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THESAURUS DEVONICO-CARBONIFERUS.

THE
FLORA AND FAUNA
OF
THE DEVONIAN
AND
CARBONIFEROUS PERIODS.

THE GENERA AND SPECIES ARRANGED IN TABULAR FORM, SHOWING THEIR
HORIZONS, RECURRENCES, LOCALITIES, AND OTHER FACTS.

WITH LARGE

ADDENDA

(FROM RECENT ACQUISITIONS).

BY

JOHN J. BIGSBY, M.D., F.R.S., F.G.S.,

FORMERLY BRITISH SECRETARY CANADIAN BOUNDARY COMMISSION (TREATY OF GHENT) ;
MEMB. AMER. PHILOS. SOC. PHILAD. ; CORRESPONDING MEMB. ACADEMIES OF NAT. SCI. PHILAD. AND
ST. LOUIS ; OF THE LYCEUM OF NEW YORK. HONOR. MEMBER ROYAL
BOHEM. MUSEUM, PRAGUE.

AUTHOR OF THE 'THESAURUS SILURICUS.'

Les pétrifications sont le grand moyen dont la nature s'est servie pour conserver à jamais les empreintes des êtres
périssables."—BUFFON. *Époques de la Nature*.

GEOLOGY

LONDON:

PUBLISHED BY JOHN VAN VOORST, PATERNOSTER ROW

MDCCCLXXVIII.

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THE AUTHOR begs to return his sincere and cordial thanks to the ROYAL SOCIETY for a grant of One Hundred and Fifty Pounds in aid of the publication of this work.

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Geology

TO

M. JOACHIM BARRANDE.

FOREIGN MEM. GEOL. SOC. LONDON; CORR. MEM. IMP. ACAD. VIENNA, ETC. ETC.

(PARIS AND PRAGUE.)

For more than a quarter of a century, my dear Sir, you have resided in a foreign land, and have even learnt a foreign tongue, in order to bring within the cognizance of your fellow men the great Fauna of Palæozoic Bohemia.

For many years you have issued, at short intervals, a large quarto volume, describing, defining, and further illustrating these strange forms of ancient life in a long series of carefully executed plates.

In every national, and in many private, libraries these priceless works are now read and appreciated. Many sons of science have done excellently; but in persevering and enlightened labour you have truly transcended. We all are your debtors.

Accept my warmest thanks for important aid on a similar occasion years ago; and especially for permitting these pages to be enriched with your name and sanction.

Believe me, my dear Sir,

Your faithful Servant,

JOHN J. BIGSBY.

London,
February 14, 1878.

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127155 Sothman 177

INTRODUCTION.

IN the following pages it is intended to collect, in the form of Tables, the Flora and Fauna, as far as is known, of two nearly related epochs, the Devonian and the Carboniferous; in other words, to give in some detail their life-statistics, for the purposes of estimate and comparison. Until the last six or seven years this could not have been done satisfactorily for want of materials; but these have been abundantly furnished both from private and public sources, and they are worthy of our unhesitating confidence.

Nearly fifteen thousand species belonging to this great horizon have been described and placed. They will be found in this volume.

The great collectors of fossil life of the last hundred years (Schlotheim, Goldfuss, Münster, Parkinson, Sowerby, &c.) gathered much; but they worked under the twilight of an unsettled science, still but in strong infancy, from the want of precise descriptions, and from the infrequency in those days of geological fieldwork. Some of these hindrances are now removed.

The plan of this 'Thesaurus,' its method and proportions are its own; and the field it occupies has dimensions of its own; so that it does not interfere with the labours of others.

Originally it was only meant to deal with the Devonian formation. To proceed to the Carboniferous was a bold afterthought, which multiplied fourfold the work, but introduced a much better arrangement of the life of the latter.

It may be allowed to mention that the author passed five summers in travelling through the Canadas, east and west, with the State of New York, and touching often on the States leading through the Great Lakes, and so on into South Hudson's Bay. Of course constant attention was paid to fossils and their circumstances; but he was not without other engagements. It was also his happiness to make valuable friends during lengthened visits at Philadelphia, New York, and Newhaven (Yale College).

After certain grateful and much-needed acknowledgments, and some general statements referring to these two formations, the 'Thesaurus' commences with the Devonian Flora and Fauna in a Table taking in forty-five countries, most of them large.

This Table gives in one horizontal line, under the genus then in hand, the name successively of each species belonging to it, with its author, horizon, recurrence (if any), locality, and the reference. Other important subjects, such as the local horizons, summaries of stratification, list of books quoted &c. are referred to in the Index, and treated in the proper places.

Entering now the Carboniferous portion of this volume, the life of this epoch as seen in thirty great countries is placed on separate and opposite pages, according as it is from the New or the Old World—an arrangement which brings out facts otherwise obscure, such as the territorial distribution of fossils, the natural history, agreements and differences of these divisions of the earth, the

absence or presence, the fertility or barrenness, the habits, solitary or gregarious, &c. of the several classes of buried existencies.

A Supplementary Table then collects, in the same manner, the extinct life of thirty other countries, which could not be included in the great Table just mentioned, but which it was impossible to leave unregistered (pp. 371–411).

To this are added the Carboniferous Horizons of Illinois and Ireland, two considerable regions which have been examined with great care and proportionate fruit.

At the last moment, when nearly all my materials had passed through the press, the last four volumes of the final Report of the Geological Survey of the State of Illinois, U. S. A., came into my hands, through the courtesy of A. H. Worthen, its able Director. By no means forgetting the admirable contributions of Logan, Rogers, Newberry, and others, it is long since a State Report has appeared so rich in discovery and with a commentary so painstaking and learned*. These interesting additions have rendered two Addenda necessary. See Index for these and similar particulars.

In the agreeable duty of expressing my warmest acknowledgments for valuable assistance, I shall never satisfy myself; for from that assistance is derived the chief value of this work; and it was only from eminent men, who, absorbed in their own studies, could ill brook interruption, that any help could come.

To Robert Etheridge, F.R.S. Lond. and Edinb.†, my thanks are peculiarly due. During the last seven years or more he has enriched this 'Thesaurus' with the great experience of his life of palæontological study, with a kindly patience not to be forgotten.

By an unwonted liberality Mr. Etheridge allowed his private MSS. Catalogue of the Devonian and Carboniferous life of Great Britain to be copied and made the framework or partial basis of these pages. Much of my Scottish material (and it is extensive and often new) comes from the diligence and ardour of Robert Etheridge, jun., F.G.S.‡. He has already done much in Australia and Scotland, and is now daily extending the limits of the science to which he is devoted.

To acknowledge the valuable facts, friendly corrections, and counsel afforded me by William Carruthers, F.R.S.§, in Palæozoic Botany, is especially gratifying to me. His time was always cheerfully and freely bestowed, although few have less to spare.

My obligations are very great to Henry B. Brady, F.R.S. In the Class Foraminifera (pp. 201 &c.) the list of the species, with various details, corrected and enlarged up to that date, was presented to me by him, and not without cost of pains and time, all being enhanced by a charming promptitude. This subject he has made his own.

To no one friend is this volume so indebted as to Prof. L. de Koninck, of Liège, except to Mr. Etheridge. The zeal and learning of M. de Koninck are powerfully felt in every department of palæontology and in every part of this book. Throughout the long preparation of it the Professor was so thoughtful as to send me information and frequent encouragement, together with his several works ('Recherches') on Belgium, Carinthia, Australia, &c., as they passed through the press.

I desire to return to M. Jules Gossélet (the modest and accomplished Professor of Lille, and the fellow-traveller of De Verneuil) my heartfelt and public thanks for numerous and special services; for this work has needed many coadjutors. The professors of geology at Breslau and Dresden (Ferd. Römer and H. B. Geinitz) have kindly furnished me with such aid as has been asked. Professor John Morris, lately of the London University, has often permitted me to consult him on these subjects, respecting which he is very highly informed.

* Last summer (1877) there were only two copies of this great work in Britain.

† Palæontologist to the Geological Survey of Great Britain.

‡ Palæontologist to the Geological Survey of Scotland.

§ Botanical Keeper at the British Museum.

I beg Messrs. Baily and Kinahan, the well-known members of the Geological Survey of Ireland, to accept my best thanks for their valuable contributions on Irish local horizons.

My indebtedness, both personal and geological, is great to Sir Roderick Murchison and M. Edw. P. de Verneuil, who have not long left us, amid the regrets of the civilized world. They were bright men, highly placed, but accessible, communicative, and companions in travel under many a rude sky.

It is only from the years 1810–15 that any general sense of the national and scientific value of fossils has existed. In Europe, as far as I remember, only two or three in a nation looked upon them with any interest—Martin and Parkinson in this country; Lamarek, Lamouroux, and Brongniart in France; Schlotheim and another in Germany; and so on. In North America it was the same: the only students devoted to the collection and consideration of life buried in the rock were Lea, Lesueur, Say, and Harlan of Philadelphia; Dekay of New York; Rafinesque and Troost of Louisiana and Tennessee.

Although it was impossible to be for any time with these able men without profit, my principal gains proceeded from the next and the succeeding generations of field-workers.

James Hall, of Albany, and Sir W. E. Logan stand at the head of the American geologists—the former for the breadth, sobriety, and accuracy of his many generalizations, and for the enormous amount of good palæontology he has produced; the latter for perceiving at once, realizing, and developing facts of great interest, which are either best seen in or are peculiar to the Canadas. Sir William, by self-sacrifice in every shape, was enabled to infuse into the Geological Commission, of which he was the head, the energy and enterprise by which it was distinguished. He was fortunate in his coadjutors. These two leading geologists, together with the late Mr. Meek, of New York, and Principal Dawson*, of Montreal, have been my chief benefactors. When shall we see their equals as narrators, as interpreters, and as undaunted explorers? I should be ashamed to forget in this the services of Professor Leo Lesquereux, of Columbus, Ohio. How well he has filled up many gaps and solved many difficulties!

In this illustrious company, and but little removed, we have a brilliant group of American geologists traversing the wide regions extending from Florida to Alasca.

The following few may be named from among many:—D. D. Owen, the Shumards, the Rogerses, Swallow, Leidy, Hayden, Worthen, Newberry, Cox. This work has fed largely on their toils, greatly to our mutual advantage.

Before entering upon the tabular details, it has been thought well to premise the following concise statements by way of introduction. A lengthened commentary had been prepared, treating on external conditions, the mutual relations of species, migration, and other topics connected with this subject; but it has been lost.

Being still in possession of the materials, it is now proposed to rewrite it with such additional matter as may be acquired (as soon as may be permitted).

1. The presence of limestone, graphites, phosphates, silix, and iron in hill-masses in the Laurentians of Canada and elsewhere is a remarkable fact, and shows how little we yet know about the beginnings of life.

2. "It would appear," says James Hall (the eminent State Geologist just spoken of), "that at a period long preceding the commencement of the Carboniferous limestone deposits, the ancient ocean began to contract its area" from an uplift of older rocks; so that inequalities of surface were established, and probably low islands of rich verdure, afterwards to become coal-fields. The numerous

* On the death of Edward Forbes, Sir Charles Lyell remarked to me, "*Now* I look chiefly to Dawson, of Montreal, for any true progress in the philosophy of Geology."

genera of sharks now found in the limestones indicate heat sufficient to enable us to build up many a semitropical scene.

3. For any geological formation to take epochal rank, it must be, in a true sense, universal, must have received and lost important forms of life, together with a new facies from the presence of peculiar creation, or even sometimes from mere crustations, chloritic, ferruginous, &c. The Silurian, Devonian, and Carboniferous formations are thus *great constants* always in the same relation to each other, and found in large masses and sheets, often removed by violence or covered up. They contain here and there *non-constants*—local *non-constants* appearing *en masse* but once, and distinctly Silurian, Devonian, &c. as the case may be*.

4. It is agreed that the Devonian and Carboniferous formations are one, or rather are parts of a unity, occupying about equal space, the first being taken as a growing, enlarging portion of the second. The latter holds most of the peculiar life of the first and is the seat of a very large vegetation, apparently never to be paralleled either in kind, quantity, or usefulness to mankind.

5. The gradual change in sediment and fossil which indicates or foreshadows the advent of a new epoch is distinct and early in these two epochs. The new aspect begins in the Hamilton Group (Hall), strengthens and intensifies through the sandstones and shales of the Chemung and Catskill of North-east America until it assumes the full Carboniferous character in the West. In the meanwhile the Orthides have become fewer, the Spirifers larger and wider, and the sutures of the Goniatites more complicated. This foreshadowing would repay careful examination.

6. The successive periods as they ascend the great sedimentary column increasingly differ from their predecessors in their organic and mineral constituents. In this way the Coal-period is much less like the Silurian than to the Devonian. The group-divisions are as strong as those of epoch; but the memory is too weak to attain more accuracy from this circumstance.

7. Although the Carboniferous strata are laid down horizontally, yet so very various and repeated, so complicated and confusing are here the operations of the volcanic force, that in the coal-fields of Pennsylvania, Kentucky, and Indiana, &c. many stratigraphical doubts have yet to be solved—the great sandstones, the Anvil Rock, and the Mahoning affording little help (Prof. E. Cox). If the different portions of the great Carboniferous deposit of Middle North America have not yet been brought together and adjusted, it cannot surprise that this has not been done for such distant basins as those of Europe and America. It must not be forgotten that all the forms of metamorphism and of denudation have waged war against these strata as originally laid down.

8. The Silurian species, vegetable and animal, may be taken at this date as 9500, the Devonian as 5600, and the Carboniferous are about 8700. This is a calculation, however, liable to daily disturbance. How vigorous and independent the life of the first-named epoch starts up at once!

9. Principal Dawson finds that the Devonian Flora is not of a lower grade than that of the Carboniferous (Acadian Geol. 2nd edit. p. 670).

10. The stages of these epochs are well marked. There is no indefiniteness, no commixture with other formations. The life is clear and recognized at once, nineteen twentieths its own (Verneuil).

11. Volcanic agency was active at this time, and caused much loss of life; but extinction of individuals chiefly came about from their serving as food, and through the establishment of a natural life-term affecting all existence,—man, barbarous or civilized, in all climates; all animals, of sea or land; all plants and trees; and it is believed to be true even of Desmids.

* See the *non-constant* intercalation at Builth: Delabeche, Mem. Geol. Surv. Great Brit. i. p. 41. Point St. Claire, Iowa, and Lake Michigan calcareous *non-constant*: J. Hall, Paleont. New York, iii. p. 29. Durness limestone an accidental deposit: Murchison, Quart. Journ. Geol. Soc. xv. p. 373. *Non-constants* many in Mesozoic rocks: Jules Martin, Bull. Soc. Géol. de Fr. xviii. n. s. p. 647. &c.

12. Primordial life, various and often plentiful, lies for hundreds of square miles in the Canadas upon the discordant Laurentian and Huronian, having at the same time little connexion with the Silurian population next above. We shall see that the life-relations of the Silurian and Devonian are singularly limited. In like manner, in the Culm and Kinderhook of the Coal-times, we enter, by a *levée des rideaux*, a rich assemblage of fossil life without known progenitors, although part of a past creation of 150,000 species, perhaps.

13. Recurrence (first defined by the lamented John Phillips) or reappearance on a higher level ranges wider in the genus than in the species, and may be extra-epochal. Fish exhibit extremely little; Subcarboniferous limestone much, and Coal-measures also, especially in Saxony (H. B. Geinitz, MSS.). See the first Analytical Conspectus.

14. Many of the considerable deposits of this dual period have their own typical genera (so far as is now known) as well as species. South Africa has its *Solenella* (Devonian), Australia its *Astartilla*, *Aphanaia*, *Clarkea*, *Eurydesma*, *Mæonia*, *Pachydomus*, *Tribrachiocrinus*, and the fish *Urosthene australis* (Dana); Iowa its crowds of beautiful Crinoids, without antecedents; and Belgium abounds in the genus *Cardiomorpha*.

15. A large community of invertebrates may occupy a sea-bed for any length of time; but if one or two important genera disappear through being thinned too fast, or through disease, that community is liable to disperse or perish. This applies to all the forms of life; of course there are many other causes of extinction.

16. The fossils come into our collections from comparatively few localities, and the same names of places crowd our pages; and this because, as on dry land, so on sea-bottoms, there always were deserts of sand and other barren grounds for long intervals, and altogether without life*, because it must have been not unfrequently cleared-off from a district by change of conditions or denudation and not renewed. As Constant Prevost said fifty years ago, and as repeated by Schimper seven years since, fossils are frequently removed *en masse* from their birthplace, and sometimes ground to powder.

17. Every fossil in these Tables has its own particular horizon of numbers, health, strength, and of enjoyment, following the same instincts as to food, security, and warmth as in other periods.

18. Genera require our notice if simply as genera, although they are only a kind of artifice, a bond in aid of the memory. Their differences are strongly marked, and they often connect by recurrence distant formations, and so may open new views. The genus reappears, but by a new species.

19. The distribution of Carboniferous plant-remains is in strict accordance with that of the surrounding states of the great Confederation—Ohio, Pennsylvania, Missouri, &c. &c. (a breadth of country whose square miles are counted by millions). This shows that the vegetation of this phase of the earth only in part depended on local influence, nor much on peculiar botanical zones. It appears to be truly in accordance with the different horizons of the Coal-measures generally, and thus to indicate successive or different formations in a general sense (Prof. Leo Lesquereux, Rept. Illin. ii. 466). We here contemplate a single portion, one trace, as it were, of an exhaustless treasury of proof upon proof of Omnipotent design.

20. Creation I am led to believe to be a normal, planned act, prescient, continuous, occurring seldom according to solar time, but often as computed by geological time—every species being an act of creation†.

The great philosopher John Hunter, fully indorsed by Prof. Richard Owen (Superint. Nat. Hist. British Museum), exclaims:—"The creative force has not deserted the earth during any of

* 'Natural History of the European Seas,' Edw. Forbes and R. A. C. Godwin-Austen.

† Bronn, 'Prize Essay,' p. 283 (1861).

the epochs of geological time that have succeeded to the first manifestation of such force; and that in respect to no one class of animals has the operation of that force been limited to one geological epoch. Perhaps the most important result of palæontological research has been the establishment of the axiom of the continuous operation of the ordained in-coming of new species of living things." ('Essays and Observations,' by John Hunter, i. p. 291; arranged by Richard Owen, F.R.S.)

21. Throughout the inconceivably long ages during which living beings have existed, there has not been the smallest space or time without full evidence in it of a personal Presiding Mind, the *Animus Mundi* of Sedgwick, preparing, by fiat, and consummating his great design, and to whom the past and the future is today. All this I believe; but some conscientious men do not; but a far greater number, their equals in mental power and in training, do believe in these momentous truths, and give their undoubting adhesion to the law of continuous creation.

22. So vast and ever active is the power of conditions (that is, of the many surrounding agencies, of long periods of time, and of original impress from without), that I am pretty well satisfied to expect from them the organic changes we observe, and without seeking further.

23. It is hoped that this work will assist in opening out a new field of inquiry into what may be called "Comparative Palæontology," whose business will be to compare the life and conditions of horizons often very far apart. We might compare the Silurian epoch with the Rhætic, the Permian with the Jurassic, the Wealden with either, &c. &c.

The additions and subtractions, the agreements and disagreements in epochal types, powers, stratifications, running through the whole sedimentary pile, must lead to something new in the mutual relations of the earth and its ancient inhabitants.

JOHN J. BIGSBY.

London. February 1878.

ERRATA.

- Page 14. *Dele* Thecostegites Bouchardi (Carboniferous).
- .. 17. Cyathocrinus megastylus, *for* p. 32 *read* p. 169.
- .. 18. Hexacrinus depressus, *for* vol. xviii. *read* xxiii.
- .. 22. Tentaculites, sp. ind., T. M. H., *for* p. 397 *read* p. 379.
- .. 29 &c. *For* Gympsie, Queensland, *read* Gympie.
- .. 54, line 3, col. 3, *for* Lock-Island Co. (Illinois), *read* Rock-Island Co.
- .. 86, line 14, col. 3, *for* Lake Skeneates *read* Lake Skeneateles.
- .. 86, line 17, col. 3, *for* Plurot.-beds *read* Pleurotomaria-beds.
- .. 101. Cephalaspis Dawsoni, *add* Geol. Mag. vii. 397.
- .. 148. *Dele* **Cauda-Galli?** Seaweed. See **Fucoides**, page 3.
- .. 180. *Dele* *filiaculmis* (Sphenophyllum).
- Pages 192-199 are cancelled for an arrangement which exhibits the Carboniferous life of thirty countries hitherto unnoticed. See Supplementary Table, pp. 370-411.
- .. 200. 318. **Acteonina**, *D'Orbigny*, minuta, Stevens, LCM., Danville, Illin. (Gasteropoda). and Clarkesville (Missouri), Kinderh. (Winchell).
- .. 218, 220, 222, &c. When referring to Burlington Limestone, *for* L' *read* L.
- Page 230. Forbesiocrinus Wortheni, *for* M. & W. *read* Hall.
- .. 258. *For* **Anthracerpes** *read* **Anthrocerpestes**.
- .. 259. *Dele* **Xyloryctes**, *Fritsch?*, planus *and* septarius.
- .. 304. Cypricardia rigida is on the Kinderhook horizon.
- .. 306. Entolium aviculatum, *for* Meek *read* Swallow.
- .. 306. Entolium Shumardianum is on the Kinderhook horizon.
- .. 310. Prothyris Meekii, Winchell, is on the Kinderhook horizon.
- .. 325. Metoptoma obliqua, LLS. (lower limestone shale).
- .. 327. Natica canaliculata, M'Coy, LLS.; N. globosus, ?, L', L''; N. spirata, Sow., L', L'', L'''.
- .. 331. Pleurotomaria subangulata, D'Orb., L''' (upper limestone).
- .. 332. *Dele* **Straparollus** Ammon, Barrisi, macromphalus, magnificus, subrugosus, umbilicatus.
- .. 333. **Trochella**, *Say*, 1822?; prisca, M'Coy, LLS., L' (lower).
- .. 340. Nautilus Forbesianus, M'Chesney, UCM., La Platte Co.
- .. 347. Amphicentrum granulosum, *for* Huxley *read* Young.
- .. 348. Cladodus Hertzeri is from the Kinderhook horizon.
- .. 353. Ctenoptychius cristatus, Dawson, LCM., M.; Ct. pectinatus, Agassiz, UCM.
- .. 365. *Dele* Pygocephalus Cooperi, Salter? See page 253.
- .. 365. Uronemus lobatus, Agassiz, LLS.
- .. 420. Acantholepis pustulosus, *for* Delaw. *read* Delaware Co.
- .. 421. *For* Kama's Farm *read* Rama's Farm.
- Pages 424-426. The 120 species on these pages are new, 87 being from Illinois, and the others from Indiana and Ohio. More than three fourths are new in every respect, and the rest are so in important points.
- Page 426. **Ulodendron**, *dele* majus, punctatum.

KINGDOM PLANTÆ. (DEVONIAN.)

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Acanthophyton , Dawson, 1862.			
spinosum, Dawson.	Ham. Gr ^p , M.	New York	Quart. Journ. G. S. L. xviii. 324.
Adiantites , Forbes.			
Hibernicus, Forbes.	U.	Ireland, N. Devonshire	Mem. Geol. Surv. Irel., Expl. Sheets [147, 157, pp. 13, 14.
Anarthrocanna , Göpp., 1859.			
Perryana, Dawson.	U.	Perry (Maine)	Quart. Journ. G. S. L. xix. 461.
Annularia , Sternberg, 1822.			
acuminata, Dawson.	U.	St. John's (New Brunswick).....	" " " xviii. 312.
laxa, " "	Sandstone, M.	Gaspé	Bakerian Lecture, 1870, Roy. Soc.
Antholites , Brongniart, 1828.			
Devonicus, Dawson.	8. Fruits	St. John's (New Brunswick).....	Acadian Geol. 2nd ed. p. 536.
floridus, " "	M.	" " "	Bakerian Lecture, 1870, Roy. Soc.
Aphyllum , Artis, 1826.	In certæ sedis :	Selagines, Stigmariæ	Palæont. Veg. Schimp. iii. 618.
paradoxum, Unger.	Cyprid. Sch., U.	Saalfeld	Foss. Flor. &c. Göpp.; Nova Act. Acad. [Cæs. &c. xxvii. 107.
Aporoxylon , Unger.			
primigenium, Unger.	Cyprid. Sch., L. M., U.	Pfaffensberg, Saalfeld	Richter, Zeit. &c. Berl. xxi. 377; Foss. [Flor. &c. Göpp. p. 123.
<i>Pissadendron Clericorum</i> , Richter, MSS.	Ham., Chem., M., U.	Seneka Lake (New York)	Quart. Journ. G. S. L. xviii. 298.
spec. indet., Dawson.	U.	Perry Co. (Maine)	" " " 306.
Archæopteris , Dawson.			
Hallianus, Göpp.	Chem. ....U.	Western New York	Foss. Flor. &c. Göpp. p. 74, 1859.
Rogersi, Dawson.	" " " "	Perry (Maine)	Quart. Journ. G. S. L. xix. 463.
Romeriana, Göpp.	Cyprid. Sch., U.	Moresnet (Aachen), Pottsville (Penns.)	Foss. Flor. &c. Göpp. p. 73.
Arctopodium , Unger.			
insigne, Unger.	" " " "	(Thuringia) Saalfeld	Richter, Zeit. &c. Berl. xxi. 288.
radiatum, " "	" " " "	" " " "	" " " " "
Arthrostigma , Dawson.			
gracile, Dawson.	M.	Gaspé	Palæont. Veg. Schimp. iii. 549.
Asterochlæna , Corda. A fern-stem, Carruthers.			
Cottai? Corda.	Red Sandstone	Saxony.....	Palæont. Veg. Schimp. i. 607.
Asterophyllites , Brongniart, 1828.			
acicularis, Dawson.	M.	Fern Ledges, Beds 2, 5, 7, 8, Lancaster,	Quart. Journ. G. S. L. xviii. 310.
coronata, Unger.	Cyprid. Sch., U.	Monchesberg, Saalfeld	Foss. Flor. &c. Göpp. xxvii. 49.
fertilis, Sternb.	?	" " " "	" " " " "
latifolia, Dawson.	M.	Fern Ledges, Beds 1, 3, Lancaster (N.B.)	Quart. Journ. G. S. L. xviii. 311.
laxa, " "	Sandstone, M.	St. John's (New Brunswick)	" " " " "
lenta, " "	M.	" " " "	Bakerian Lecture, 1870, Roy. Soc.
longifolia, Lindley.	L.	Ferrones (Asturias)	Schultze, Geol. of Oviedo, p. 44.
" Brongn.	M.	Fern Ledges, New Brunswick	Quart. Journ. G. S. L. xviii. 311.
parvula, Dawson.	M.	Shales of Carleton, New Brunswick...	Acadian Geol. 2nd ed. p. 539.
Römeri, Göpp.	Spirif. Sandst., L. ...	Rammelsberg (Harz).....	Palæont. D. & Von M. iii. 103 &c.
<i>Chondrites</i> .			
scutigera, Dawson?	M.	Fern Ledges, Lancaster (St. John's)...	Quart. Journ. G. S. L. xviii. 311.
Aulacophycus , Eichwald.			
sulcatus, Eichwald.	O. R. Sand., U.	Torghel	Foss. Flor. &c. Göpp. p. 37.
Bornia , Sternberg, 1825.			
inornata, Dawson.	Gencssee Sl., M.	New York	Palæont. Veg. Schimp. i. 336.
Buthotrephis , Hall, 1846.			
foliosus, Eichw.	O. R. Sand. (Limest.)	River Sjass (Timan Mountains)	Eichwald, Lethæa Rossica, i. 58.
<i>Chondrites</i> .			
Calamites , Suckow, 1784.			
cannæformis, Brongn.	Calamodendron (Brongn.).	Arenac. Shale ...M... Fern Ledges, Beds 1, 2, 3, 5, 6, 7, 8,	Acadian Geol. 2nd ed. p. 517.
dubius, Artis.	L.	Carlton, St. John's.	" " " " "
inornatus, Dawson?	Gencssee Sl. & M., U.	Ferrones, Arnao (Spain)	Schultze, Geol. of Oviedo, p. 44, 1858.
" " "	" " " "	Cayuga L. (N.Y.), Kettle Pt., L. Huron,	Quart. Journ. G. S. L. xviii. 310.
" " "	" " " "	Gaspé.	" " " " "
tenuissimus, Göpp.	<i>Clymenia</i> ...U.	Ebersdorf	Palæont. D. & Von M. xix. 153.
transitionis, " "	U.	Fern Ledges (all Beds but No. 5), Lan-	Acadian Geol. 2nd ed. p. 536.
spec. indet., T. M. Hall.	" " " "	caster (N. B.).	" " " " "
Calamodendron , Brongniart, 1828.			
antiquum, Dawson.	M.	New Brunswick	Bakerian Lecture, 1870, Roy. Soc.
tenuistriatum, " "	M.	" " " "	" " " " "
Calamopteris , Unger, 1856.			
debilis, Unger.	Cyprid. Sch., U.	Saalfeld	Foss. Flor. &c. Göpp. p. 39.
Calamopitys , Unger.			
Saturnii, Unger.	Cyprid. Sch., U., L.	Calamariæ,	Richter, Zeit. &c. Berl. xxi. 337; Foss.
Calamosyrinx , Unger, 1856.		Stereocalameæ.	Flor. &c. Göpp. p. 41.
Devonica, Unger.	Cyprid. Sch., U.	Saalfeld	Foss. Flor. &c. Göpp. p. 40.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Callipteris, Dawson. = Sphenopteris.			
Hartii, Dawson.	M.	Fern Ledges, Lancaster (N. B.)	Acadian Geol. 2nd ed. p. 551.
Hitchcockiana, "	M.	" Calamite Ledges, Lancaster (N. B.).	" " p. 514.
Hœninghausii, Brongn.	M.	" Beds 2 & 3, Lanc. (N. B.)	" " p. 551.
var. major, "	M.	" Bed 2.	" " "
marginata, Dawson.	M.	" Beds 2, 3, 5, 7, Lanc. (N. B.)	" " "
pilosa, "	M.	" Bed 7, Lanc. (N. B.)	" " p. 552.
spec. indet., "	M.	" 1, " " "	" " p. 517.
spec. nova, Hartt.	M.	" 2, " " "	" " p. 518.
Cardiocarpum, Dawson, 1862. Incertæ sedis.			
Baileyi, Dawson.	Shaly Sandstones	" 4, " " "	" " p. 554.
cornutum, "	" " M...	St. John's (New Brunswick)	" " "
Crampii, Hartt.	" " M...	Fern Ledges, Beds 7, 8, New Bruns...	" " "
obliquum, Dawson.	" " M...	" 2, 3, 6, 7, 8, N. B.	" " "
Carpolites, Brongniart, 1828.			
acuminatus, Dawson.	M.	" 2, 3, 7, 8, N. B.	Bakerian Lecture, 1870, Roy. Soc.
compactus, "	M.	" " "	" " "
fraxiniformis, Göpp.	O. R. Sand., U.	Pottsville (Penns.)	H. D. Rogers, Geol. Penns. p. 883.
Caulerpites, Sternberg, 1833.			
foliatus, Ludwig.	Cyprid. Sch.	Schaderthal (Saalfeld)	Palæont. Veg. Schimp. iii. 434.
Callipteris.			
pennatus, Eichw.	O. R. Sand., M., U.	Tchudovo (Livonia)	Grewingk, Geol. of Livonia, p. 34.
radiatus, Ludwig.	U.	Schaderthal (Saalfeld)	Palæont. Veg. Schimp. iii. 434.
sinuosus, "	Cyprid. Sch.	Gov. St. Petersb., Lower Velikaja val.	Grewingk, Geol. of Livonia, p. 34.
spiralis, "	U.	Schaderthal (Saalfeld)	Palæont. Veg. Schimp. iii. 526.
Caulopteris, Lindley and Hutton, 1831.			
Lockwoodi, Daws.	Chemung Gr ^p	Gilboa (New York)	" " " " " " " "
Peachii, Salter.	O. R. Sand., M.	Thurso, North Scotland	Quart. Journ. G. S. L. xv. 408.
spec. indet., Newberry.	?	Ohio	MSS. Princ. Dawson.
Chondrites, Sternberg, 1833. Algæ. Fucaceæ.			
Andrea, F. A. Römer.	Spirif. Sand., L.	Andreasburg	Palæont. D. & Von M. iii. 70 & xii. 220.
antiqua, Sternberg.	L.	Kemmonau, Condethal, Brodenbach, &c.	Sternb. Verst. Nassau, p. 423.
α. major, ?	Clay Slate, L.	Menzenberg, Billingen	Bronn, Leth. Geognost. i. 98.
β. minor, Göpp.	L.	Winnengen, Lay	Foss. Flor. &c. Göpp. p. 24.
lineata, Sternb.	L.	Menzenberg	Verhandl. &c. p. 148.
foliosa, Eichw.	O. R. Sand., U.	Sjass, Jiman Mountains	Leth. Ross. ii. 58.
Nessigii, F. A. Röm.	Spirif. Sand., L.	Rammelsberg, Goslar	Foss. Flor. &c. Göpp. p. 27.
<i>Sphærococites.</i>			
taeniola, Eichw.	Fucoid Marl	Garssen, Kokenhausen	Grewingk, Geol. Liv. p. 37.
Cladoxylon, Unger, 1856? Selaginæ IV. Cladoxylea.			
centrale, Unger.	Cyprid. Sch., U.	Saalfeld	Foss. Flor. &c. Göpp. p. 109.
dubium, "	" " "	" " "	" " "
<i>Clathropteris refracta.</i>			
mirabile, Unger.	" " "	" " "	" " p. 108.
Clepsydropsis, Unger.			
antiqua, Unger.	" " "	" " "	" " p. 54.
composita, "	" " "	" " "	" " "
robusta, "	" " "	" " "	" " "
Confervites, Göppert, 1859.			
acicularis, Sndbrg.	Orthoc. Sch., U.	Steinsberg by Diez	Foss. Flor. Nov. Act. xxvii. 436.
Coniferous wood, Salter.	L., M.	Thurso, Caithness, &c.	Verstein. Nassau, p. 422.
rootlets, Salter.	L., M.	Shetland, Kilminster	Quart. Journ. G. S. L. xiv. 73.
wood, &c., "	M.	" " "	" " xv. 407, 408.
Cordaites, Unger, 1856. = Pychnophyllum, Brongniart.			
angustifolia, Dawson.	Marcellus Sh., M.	New York, St. John's, Cape Gaspé	" " xviii. 318.
flexuosus, "	Ham. Gr ^p , M.	" " "	Palæont. Veg. Schimp. iii. 563.
Robbii, "	" " "	Cazenovia (N. Y.), St. John's	Quart. Journ. G. S. L. xviii. 316.
spec. indet., "	M.	New York	" " 318.
Cyclopteris, Brongniart, 1828.			
Boeschiana, Dawson.	Shales.....M.	St. John's, Lancaster	Acadian Geol. 2nd ed. p. 549.
Brownii, Dawson.	Portage & Chem. Gr ^p s	Perry (Maine), St. John's (N. Br.), Montrose, N. Y.	Quart. Journ. G. S. L. xviii. 320.
elegans, Unger.	Cyprid. Sch., U.	Monchesberg	Foss. Flor. &c. Göpp. p. 72.
Halliana, "	Chemung, U.	Western New York	Foss. Flor. Nov. Act. &c. xxvii.
Hibernica, Forbes.	.....	Knocktopher, Ireland	Proc. British Association.
incertæ, Dawson.	Ham. Gr ^p , M.	New York	Quart. Journ. G. S. L. xviii. 320.
Jacksoni, "	U.	Perry (Maine), Montrose (N. Y.), St. John's.	Acadian Geol. 2nd ed. p. 547.
obtusa, Lesquereux.	Catskill Gr ^p , U.	River Lehigh (Mauchunk, Pennsylv.), St. John's.	Quart. Journ. G. S. L. xviii. 319.
problematica, Dawson.	M.	New Brunswick	Bakerian Lecture, 1870, Roy. Soc.
Richter, Unger.	Cyprid. Sch., U.	Monchesberg	Foss. Flor. &c. Göpp. p. 72.
Römeriana, Göpp.	" " "	Moresnet (Aachen), Pottsville (Penns.)	" " ?
Thuringiaca, Unger.	" " "	Monchesberg	" " p. 76.
trifoliata, "	" " "	" " "	" " "

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Cyclopteris (<i>continued</i>).			
<i>valida</i> , Dawson.	Arenac. Shales, M. ...	St. John's (New Brunswick).....	Quart. Journ. G. S. L. xviii. 319.
<i>varia</i> , " "	" " " " " "	" " " " " "	" " " " " "
<i>spec. indet.</i> , " "	" " " " " "	" " " " " "	" " " " " "
" " " "	Salter. ....L.	Whitadder river, Cockburn Mill (Berwickshire).	Geikie, Geol. Berwicksh. 1864, App.
Cyclostigma , Haughton, 1860.	Dawson. Sandst. ....M.	Gaspé (also Carbonif.)	Bakerian Lecture, 1870, Roy. Soc.
<i>gracile</i> , " "	" " " " " "	" " " " " "	" " " " " "
<i>Griffithii</i> ?, Haughton.	" " " " " "	Ireland " " " " " "	? " " " " " "
<i>Kiltorkense</i> , " "	" " " " " "	Kiltorkan, Bear Island (Heer).	" " " " " "
<i>minuta</i> , " "	" " " " " "	" " " " " "	" " " " " "
Dactylopteris , Göppert, 1859.	remota, Unger. Cyprid. Sch.	Pfaffensberg (Sandstone)	Foss. Flor. &c. Göpp. p. 82.
Dadoxylon , Endlicher, 1840.	= Araucaroxydon , Strauss, = Araucarites , Presl & Göpp.	1855.	
Halli, Dawson.	" " " " " "	New York " " " " " "	Quart. Journ. G. S. L. xviii. 306.
Newberry, " "	Ham. Gr ^p , M.	" " " " " "	Bakerian Lecture, 1870, Roy. Soc.
Ouangondianum, " "	Sandst. ....M., U. ...	St. John's, Perry (Maine)	Acadian Geol. 2nd ed. p. 534.
Delesserites , Sternberg, 1833. Algæ.	antiquus, Göpp. Fine Spirif. Sand., L.	Lower Gosethal	Foss. Flor. &c. Göpp. p. 30.
Dictyophyton , J. Hall, = Hydnoceras , Conr. ad.	annulatum, J. Hall. ....U.	New York " " " " " "	XVI. Rep. Regents, N. Y. p. 90.
Conradi, " "	Chem. ? ...U.	Cattaraugus Co. (N. Y.)	" " " " " p. 89.
fenestratum, " "	Chem. ....U.	Chemung Narrows (N. Y.)	" " " " " p. 88.
filitextile, " "	" " " " " "	Steuben Co. (N. Y.)	" " " " " p. 90.
nodosum, " "	" " Shaly Sand., U.	Cattaraugus Co. (N. Y.)	" " " " " p. 90.
rude, " "	" " " " " "	Little Genessee river (N. Y.)	" " " " " "
tuberosum, " "	" " Sandst., U. ...	Howard, Addison (N. Y.)	" " " " " "
Didymophyllum , Göppert, 1859.	Brownianum, Lesq. Catskill Gr ^p , U.	Pennsylvania " " " " " "	H. D. Rogers, Geol. Penns. p. 841.
reniforme, Dawson. Marcell. Shale, M. ...		Skeneateles Lake (N. Y.), Gaspé Sa. ...	Quart. Journ. G. S. L. xviii. 309, [xix. 465.]
Drepanophycus , Göppert, 1859. (Of doubtful affinity, Schimper, Palæont. Veg. i. 201.)	spinæformis, Göpp. Clay Slate, in Spirif. [Sandst., L.	Astert, Hackenberg (Nassau)	Foss. Flor. &c. Göpp. p. 19; Sternb. [Verst. Nassau, p. 425.]
Filicites , Brongniart, 1828.	linearis, Baily. ....U.	Ireland " " " " " "	Expl. Sheets 187, 195, 196, pp. 19, 20.
Fucoides , Brongniart, 1822. Spirophyton.	cauda-galli, Vanux. Vermic. Limest., L. [M., U.	Kettle Pt., Marion, Moniteau, Chenango [Canal.	Vanux, Rept. N. Y. pp. 129, 159.
divaricatus, Eichw. Ham. cauda-G. Grit		" " " " " "	Palæont. Veg. Schimp. iii. 617.
falcatus, Ludwig. Dachschiefer, U.		Sinn (river Dill, Nassau)	" " " " " 444.
fimbriatus, " "	" " " " " "	Leutenberg (Schwarzburg)	" " " " " 443.
fruticosus, Schl., " " " " " "		Saalfeld " " " " " "	" " " " " 444.
gracilis, " "	Dachschiefer, U.	Sinn (river Dill).....	" " " " " 444.
graphicus, Vanux. ....U.		New York, Gaspé " " " " " "	Geol. Canad. 1863?
Nessigii, F. A. Röm. Grauwacke Sandst., L.		Rammelsberg " " " " " "	Verstein. Harz, p. 1, 1843.
socialis, Ludwig. ....U.		Sinn (river Dill) " " " " " "	Palæont. Veg. Schimp. iii. 443.
subantiquus, Schl. Spirif. Sand., L.		Niederlahnstein, river Wesel " " " " " "	" " " " " "
tenellus, Ad. Röm. Clay Slate ...U.		Schulenberg " " " " " "	Verstein. Harz, p. 1, 1843. "
tribulus, Eich., " " " " " "		Ems, Mentzenberg, Lay, Winningen, &c. Ohio, Ithaca, New Norwich, De Ruyter (N. Y.)	Vanux, Geol. N. Y. p. 177.
velum, Vanux, Locke. Chem.		" " " " " "	" " " " " "
verticalis, Hall. Portage Gr ^p		New York " " " " " "	Foss. Flor. &c. Göpp. xxvii. 10.
Halyserites , Sternberg, 1833. Halyserides , Schimper, 1869. (Large Fucaceæ .)	Dechenianus, Göpp. Spirif. Sand., L.	Menzenberg, Arnberg, Winningen, &c.	" " " " " 18.
Haplocalamus , Unger. Calamaria . Fam. Haplocalameæ .	Thuringiacus, Unger. Cyprid. Sch., U.	Saalfeld " " " " " "	Leonh. & Bronn, Neues Jahrb. p. 626, [1856.]
Hierogramma , Unger. mysticum, Unger & Richter. Cyprid. Sch., U.		Saalfeld " " " " " "	Palæont. Veg. Schimp. i. 695.
Hymenophyllites , Göppert, 1836. Sphenopteridæ.	curtilobus, Dawson. Sandy Shales, M. ...	Fern Ledges, Bed 2, Lancaster (N. Br.) (Pennsylvania), Mauchunk	Acadian Geol. 2nd ed. p. 552.
fureatus?, Göpp. Catskill ...U.		" " " " " "	Lesq., R. D. Rogers, G. Penns. p. 841.
Gersdorffii, " " " " " "		Sandy Shale, M.	Fern Ledges, Bed 2, Lancaster.
Hildrethi, Lesq. " " " " " "		" " " " " "	Acadian Geol. 2nd ed. p. 552.
obtusilobus, Göpp. " " " " " "		New Brunswick " " " " " "	Bakerian Lecture, 1870, Roy. Soc.
subfureatus, " " " " " "		Fern Ledges, Bed 2, Lancaster " " " " " "	Acadian Geol. 2nd ed. p. 552.
Kalymma , Unger, 1856. " " " " " "		Beds 7 & 8, St. John's (N. Br.)	" " " " " "
grandis, Unger. Cyprid. Sch., U.		Saalfeld " " " " " "	Foss. Flor. &c. Göpp. p. 39.
striata, " " " " " "		" " " " " "	" " " " " "
Knorria , Sternberg, 1825. (Imperfectly preserved stems of Lepidodendron , Göpp.)	acicularis, Göpp. ....U.	" " " " " "	" " " " " xxvii. 97.
acutifolia, " " " " " "		" " " " " "	" " " " " "
dichotoma, Haughton. Passage-bed?		Ireland. " " " " " "	" " " " " "
Gibbsii, " " " " " "		" " " " " "	" " " " " "
imbricata, Sternb. ....LCM., M. ...		Ketley (Shropshire)	Etheridge, R. Esq., MSS.
Sellonii, " " " " " "		Felling, Newcastle.	Morris, Catalogue, p. 10.
taxina, Lindl. & Hutt. ....MC., M.		Jarrow, Coalbrook Dale " " " " " "	" " " " " "

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Lepidodendron , <i>Sternberg</i> , 1821. Sagenaria .			
chemungense, Hall.	Chem. U.	Pennsylvania, Elmira (N. Y.)	Quart. Journ. G. S. L. xviii. 326.
corrugatum, Daws.	" U.	New York, Ohio, N. Michigan	Winchell, Proc. A. Ph. Soc. xi. 387.
fastigiatum, Brong.	O. R. Sand., U.	Rouvroy (Chalonnnes)	Bull. Soc. Géol. France, vii. n. s. 365.
Gaspianum, Daws.	Shales M., U.	Gaspé, St. John's, Eastport, Pennsylv.	Acadian Geol. 2nd ed. p. 541; Rogers, p. 829; Quart. Journ. G. S. L. xviii. 326.
nothum, Unger.	Cyprid. Sch., M., U.	Saalfeld, Stromness, Caithness, Harland.	
primævum, Rogers.	H. D. Genessee Sl., M.	Standing Creek, near Huntingdon (Pennsylvania).	H. D. Rogers, Geol. Penns. p. 828.
Richteri, Unger.	Cyprid. Sc. (in Sandst.)	Saalfeld, Stromness	Foss. Flor. &c. Göpp. p. 87.
Vanuxemi, Hall?	Chem. U.	Oswego, New York	Dana, Manual Geol. p. 290.
spec. indet., Huxley & Ether.	" L.	Billhaven (Dunbar)	Catalogue, Museum, Jermyn-Street.
Lepidophloios , <i>Sternberg</i> , 1823.			
antiquus, Dawson.	" M.	New Brunswick	Bakerian Lecture, 1870, Roy. Soc.
Lepidostrobus , <i>Brongniart</i> , 1828.			
globosus, Dawson.	" U.	Perry (Maine)	Quart. Journ. G. S. L. xviii. 314.
Richardsoni, "	" U.	" " "	" " "
Leptophloeum , <i>Dawson</i> , 1862.			
rhombicum, Dawson.	" U.	Perry (Maine)	" " " 316.
Lithodendron , <i>Schweiger</i> , 1820, = Conostegites .			
caespitosum, Goldf.	Iberg Limest., M., U.	Grund, Asturias, Barton (England)	Bull. Soc. Géol. France, ii. n. s. 458.
spec. indet.	" M.	Gahard	Bull. Soc. Géol. France, iv. n. s. 323.
Lycopodites , <i>Brongniart</i> , 1828.			
acicularis, Göpp.	" U.	Oberkuzendorf	Foss. Flor. &c. Göpp. p. 84.
<i>Knorria</i> .			
comosus, Dawson.	" U.	Perry (Maine)	Quart. Journ. G. S. L. xix. 462.
gracilis, Shum.	" U. ?	Missouri	Geol. Rep. Mo., ii. 208.
Mathewi, Dawson.	Graphite Shales, M.	Fern Ledges, Bed 8, Lancaster (N. Br.)	Acadian Geol. 2nd ed. p. 542.
Milleri, Salter.	Hard flags, M.	Thurso (Scotland)	Quart. Journ. G. S. L. xiv. 75.
pinastroides, Unger.	Cyprid. Sch., U.	Saalfeld	Foss. Flor. &c. Göpp. p. 84.
Richardsoni, Daws.	" U.	Eastport (Maine)	Quart. Journ. G. S. L. xix. 461.
Vanuxemi, "	Chem. U.	Ithaca (New York)	XVI. Rep. Regents N. Y. p. 108.
Megalopteris , <i>Dawson</i> , 1870.			
Dawsoni, Hartt.	" U.	Fern Ledges, Bed 4, St. John's	Acadian Geol. 2nd ed. p. 551.
Megalorrhachis , <i>Unger</i> .			
elliptica, Unger & Richter.	Cyprid. Sch.	Saalfeld	Foss. Flor. &c. Göpp. p. 59.
Megaphyton , <i>Artis</i> , 1826.			
spec. indet., Dawson.	" U.	Perry Co. (Maine)	Quart. Journ. G. S. L. xviii. 326.
Mesoneuron , <i>Unger</i> .			
Lygodioides, Unger & Richt.	Cyprid. Sch., U.	Saalfeld (as always here, in Sandst.)	Foss. Flor. &c. Göpp. p. 58.
tripes, "	" U.	" " "	" " "
Neuropteris , <i>Brongniart</i> , 1828, = Pecopteris (pars). Neuropterides , <i>Göppert</i> .			
Bocksonii, Göpp.	Chem. (Pennsylv.), U.	Pennsylvania, Silesia	H. D. Rogers, Geol. Penns. p. 841.
<i>Neggerathia Bocksi</i> .			
crassa, Dawson.	(Schimper), M.	(New Brunswick), St. John's	Bakerian Lect., 1870, Roy. Soc., Daws.
Dawsoni, Hartt.	" M.	" "	" "
polymorpha, Dawson.	" M.	Fern Ledges, Beds 2, 3, 5, 6, 7, 8, Lancaster and Carlton.	Acadian Geol. 2nd ed. p. 549.
resecta, "	" M.	St. John, New Brunswick	Bakerian Lect., 1870, Roy. Soc., Daws.
retorquata, "	" M.	Lepreau, New Brunswick	" "
Selyni*, "	(Schimper), M.	St. John, New Brunswick	Palæont. Veg. Schimp. iii. 473.
serrulata, "	" M.	Fern Ledges, Bed 2, Lancaster (N. Br.)	" "
spec. indet., "	" M.	New Brunswick	Bakerian Lect., 1870, Roy. Soc., Daws.
Nœggerrathia , <i>Sternberg</i> , 1821; <i>Geinitz</i> , 1825; <i>Göppert</i> , 1852. Zamia .			
graminifolia, Unger.	Cyprid. Sch., U.	Pfaffenberg, Saalfeld	Foss. Flor. &c. Göpp. p. 113.
minor, Lesquer.	Catskill ... U.	Lehigh Riv., below Mauchunk, Penns.	H. D. Rogers, Geol. Penns. p. 878.
obtusa, "	" ... U.	Pennsylvania	" " p. 826 or 878.
Ormoxydon , Dawson?			
Erianum, "	" M.	New York	Bakerian Lecture, 1870, Roy. Soc.
Pachytheca , <i>Hooker</i> , 1861.			
spherica, Hooker.	O. R. Sand., L.	Hagley Park, Flaxley (Gloucestersh.)	Siluria, 4th ed. p. 241.
spec. indet.	" "	Kincardinesh., Forfarsh. (Mitchell)	Quart. Journ. G. S. L. xvii. 146.
Palæopteris , <i>Geinitz</i> .			
Halliana, Göpp.	Chem. U.	New York	Palæont. Veg. Schimp. i. 475-478.
Pecopteris , <i>Brongniart</i> , 1828.			
aspidioides, Sternb.	" L.	Ferrones	Schultz, Geol. of Oviedo, p. 44.
densifolia, Daws.	Shales M.	New Brunswick	Bakerian Lecture, 1870, Roy. Soc.
discrepans, "	" M.	Fern Ledges, Beds 2, 3, 5, 6, 7, 8, St. John's, N. Br.	Quart. Journ. G. S. L. xviii. 322.
<i>Clethopteris</i> .			
ingens, Daws.	Shales M.	Fern Ledges, Bed 2, St. John, N. B.	Acadian Geol. 2nd ed. p. 552.
obscura?, Lesq.	" M.	" St. John, N. B.	Palæont. Veg. Schimp. iii. 493.
Perleyi, Hartt.	" M.	" Bed 7, St. John, N. B.	Acadian Geol. p. 554.
pretiosa, "	"	St. John's (New Brunswick)	Palæont. Veg. Schimp. iii. 496.
serrulata, "	Schimp. ... M.	" "	" " 495.

* thought L.L.S. by Schimper.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Periastron , Unger. reticulatum, Unger.	Cyprid. Sch., U.	Saalfeld, Thuringia	Foss. Flor. &c. Göpp. p. 56.
Pinnularia , Lindley, 1833. dispalans, Dawson.	U.	New Brunswick	Quart. Journ. G. S. L. xviii. 312.
elongata, "	M.	"	Bakerian Lecture, 1870, Roy. Soc.
nodosa, "	M.	"	" "
Pinorria , Lesquereux? spec. indet., Lesq.	.....	Pennsylvania	H. D. Rogers, Geol. Penns. p. 841.
Plumalia . A land plant. spec. indet., Billings.	Chem. ....U.	New York	Geol. Canada, 1863, p. 382.
Prototaxites , Dawson. Logani, Dawson.	Shales ....U.	Gaspé	Quart. Journ. G. S. L. xviii. 299.
Psaronius , Cotta, 1832. Erianus, Dawson.	M.	New York	Baker. Lect. 1870, Roy. Soc. (Dawson).
textilis, "	M.	New Brunswick	" "
spec. indet., Hall.	Fine clayey Sa., L.	Schoharie Co., New York	Geol. Mag. ix. 463.
Psilophyton , Dawson, 1859. elegans, Dawson.	Shales ....M.	St. John's, Gaspé	Acadian Geol. 2nd ed. p. 543.
glabrum, "	"	"	"
princeps, "	Ham. & Chem., L., M., U.	Perry (Maine), Fullenham, Schoharie, &c. (New York).	Quart. Journ. G. S. L. xviii. 326.
robustus, "	Shaly San., U.	Gaspé	Geol. Canada, 1863, p. 394.
Pterodictyon , Unger. annulatum, Unger and Richt.	Cyprid. Sch., U.	Saalfeld	Foss. Flor. &c. Göpp. p. 57.
Rhachiopteris , Dawson, 1862. Rhachiopteridæ. cyclopteroides, Dawson.	Catskill-base, U.	New York	Quart. Journ. G. S. L. xviii. 323.
gigantea, "	M.	"	Bakerian Lecture, 1870, Roy. Soc.
palmata, "	M.	"	"
pinnata, "	Marcell. Shale, M.	"	Quart. Journ. G. S. L. xviii. 323.
punctata, "	Port., Chem., Catsk., U.	Thuringia, Gaspé, St. John's, New York	" " "
striata, "	Ham. & Chem., M., U.	Akron, Richfield (Ohio)	" " "
tenuistriata, "	Marc. & Geness. Sl., M.	New York	" " "
Sagenaria , Brongniart and Chemungensis. Veltheimiana.	Presl, 1822.	Lepidodendron. Kettle Point (Ippelwash), L. Huron...	Geol. Canada, 1863, p. 338.
truncata, Göpp.	U.	Gunzendorf	Foss. Flor. &c. Göpp. p. 103.
Schizoxylon , Unger. Coniferæ. tæniatum, Unger.	Cyprid. Sch., U.	Saalfeld	" " p. 109.
Selaginites , Brongniart, 1828. formosus, Dawson.	L.	Gaspé Sandstone (Oriskany Sand., pars)	Geol. Canada, 1863, p. 403.
spec. indet., Peach.	.....	Harland (Wick, Scotland).	"
Sigillaria , Brongniart, 1828. Sigillariæ , Unger. annularis, Cyprid. Sch., U.	.....	Saalfeld	Foss. Flor. &c. Göpp. p. 122.
Hausmannianus, Hausman.	L.	Idra Sarna (Norway, near Sweden)...	" " p. 119.
palpebra, Dawson.	Aren. Sh. ....M.	St. John's (New Brunswick)...	Quart. Journ. G. S. L. xviii. 307.
simplicitas, Vanux.	Ham. GrP. ....M.	Buffalo (New York) ....M.	" " " 308.
Vanuxemi, Göpp.	Chem. ....U.	Oswego (")	" " " 307.
spec. indet., T. M. Hall.	U.	Top Orchard Quarry, N. Devonshire	" " xxiii. 380.
" J. Hall?	Ham. GrP. ....M.	Otsego (New York)	" " "
Sparganium , Unger, 1856. Filices, aueimoides, Unger.	Cyprid. Sch., U.	Rhachiopteridæ. Saalfeld	Foss. Flor. &c. Göpp. p. 55.
giganteum, "	" " "	"	" " " p. 54.
maximum, Unger and Richt.	" " "	"	" " " p. 55.
minus, Unger.	" " "	"	" " "
Sphærococcites , Sternberg, 1833. A Silurian and lichenoides, Göpp.	Cyprid. Sch., U.	Oolitic genus (<i>Sph. Scharyanus</i>). Steinsberg (Diez), Rammelsberg	Sandberger, Verst. Nass. p. 424.
Sphenophyllum , Brongniart, 1828. Rotularia, antiquum, Dawson.	Sandstones, M.	Sternberg. Fern Ledges, Lancaster and Carleton (St. John's).	Acadian Geol. 2nd ed. p. 540.
Sphenopteris , Brongniart, 1822. anthriscifolia, Göpp.	Cyprid. Sch., U.	Saalfeld (Thuringia)	Foss. Flor. &c. Göpp. p. 64.
curtiloba, Dawson.	M.	St. John's (New Brunswick)	Quart. Journ. G. S. L. xviii. 321.
Devonica, Unger.	Cyprid. Sch., U.	Pfaffensberg	Palæont. Thuring. p. 77.
dissecta, Brongn.	Clymen. Limest., U.	Ebersdorf (Silesia)	Palæont. D. & Von M. xix. 153.
grypophylla.	Dachschiefer, U.	Elberfeld (Prussia), Mohredorf	Palæont. Veg. Schimp. i. 407.
Halliana, Göpp.	Chem. ....U.	Western New York	Lethæa Geogn. Bronn, i. 108.
Hartii, Dawson.	M.	Fern Ledges, Bed No. 2, Lanc. (N. Br.)	Acadian Geol. 2nd ed. p. 518.
Hitchcockiana, "	M.	Perry (Maine), St. John's	Sixth Report, Maine, 1861, p. 248.
Hœninghausen, Brongn.	M.	Plant-bed No. 2, Fern Ledges	Dawson, Acadian Geol. 2nd ed. p. 518.
laxa, Hall.	Chem. ....U.	New York?	Dana, Man. of Geol. p. 289.
imbricata, Göpp.	Cyprid. Sch., Jüngste G.W., U., &c.	Saalfeld, Aforina (Altai)	Foss. Flor. &c. Göpp. p. 64.
marginata, Dawson.	M.	Fern Ledges, Beds Nos. 2, 5, 7, Lancaster (New Brunswick).	Acadian Geol. 2nd ed. p. 518.
petiolata, Göpp.	Cyprid. Sch., Jüngste G.W., U., &c.	Monchesberg, Herborn	Foss. Flor. &c. Göpp. p. 61.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Sphenopteris (<i>continued</i>).			
<i>pilosa</i> , Dawson.	M.	St. John's Beds (New Brunswick) ...	Acadian Geol. 2nd ed. p. 552.
<i>refracta</i> , Göpp.	Cyprid. Sch., U.	Saalf., Falkenb., Rothwalsdorf, C.L.	Foss. Flor. &c. Göpp. p. 60.
<i>splendens</i> , Dawson.	M.	New Brunswick	Bakerian Lecture, 1870*, Roy. Soc.
<i>sp. indet.</i> , Etheridge.	U.	Sloly Quarry, Devonshire	Quart. Journ. G. S. L. xxiii. 616.
Sporangites , Dawson, 1868.			
<i>acuminata</i> , Dawson.	M.	New Brunswick	Bakerian Lecture, 1870, Roy. Soc.
<i>Chimularia acuminata</i> .			
<i>glabra</i> , Dawson.	M.	" ?	Report Fossil Plants Canada, 1873.
<i>papillata</i> , Dawson.	M.	" ?	
Spirophyton , Hall, 1863 = Fucoides cauda-			
<i>cauda-galli</i> , Vanux.	U.H.GP&H.GP,L,M.	New York, Ohio, Indiana	XVI. Rep. Regents N. York, p. 79.
<i>typum</i> , Hall.	M., U.	New York	" " p. 80.
<i>velum</i> , Vanux.	U.H.GP&H.GP,L,M.	Cayuga, Seneca, &c. Counties	" " p. 81.
<i>spec. indet.</i> , Hall.	M., U., &c.	Madison & Otsego Cos., Cuyahoga Falls	" " "
Stephania , Unger, 1856.	Stephanida , Unger, 1856 (Filices , Brachiopteridæ).		
<i>duplicata</i> , Unger.	Cyprid. Sch., U.	Saalfeld	Foss. Flor. &c. Göpp. p. 56.
<i>gracilis</i> , Unger.	" "	" "	" "
Stephanopteris , Brongniart, 1828.		Cheilanthites , Göppert.	
<i>Land-plants</i> , Billings.	Chem. ....U.	New York, Canada	Geol. Can. 1863. p. 382.
Sternbergia , Artis, 1825.	(Angiospermous Dicotyledon) Casts of pith: Dadoxylon .		&c., Dawson, MS.
<i>spec. indet.</i> , T. M. Hall.	Sandstone, U.	Sloly Quarry, Marwood, Lerwick	Quart. Journ. G. S. L. xxiii. 380.
Stigmaria , Brongniart, 1828.	Selaginæ , Göpp.	Stigmariæ .	
<i>anabathra</i> , Unger.	Devon. & Carb., U. ?	Pennsylv., Glatzich, Falkenberg, U.S.	H. D. Rogers, Geol. Penns. p. 841.
<i>annularis</i> , Dawson.	Cyprid. Sch., U.	Saalfeld	Unger and Richt. Pal. Thuring. p. 83.
<i>areolata</i> , Dawson.	M.	Gaspé	Bakerian Lecture, 1870, Roy. Soc.
<i>exigua</i> , Lesq.	Chem. ....U.	Elmira (marine)	Quart. Journ. G. S. L. xviii. 308.
<i>minuta</i> , Dawson.	Catskill GP, U.	Near Pottsville	H. D. Rogers, Geol. Penns. p. 881.
<i>minutissima</i> , Dawson.	M.	Gaspé	Bakerian Lecture, 1870, Roy. Soc.
Syncardia , Unger. ?	?	?	?
<i>pusilla</i> , Dawson.	?	?	?
Syringodendron , Sternberg, 1820. Sigillaria .			
<i>gracile</i> , Dawson.	Ham. and Chem. Gr ^{ps} , [M., U.	New York, Akron	Quart. Journ. G. S. L. xviii. 308.
Syringoxylon , Dawson, 1862.	Ham. Gr ^p , M.	18-mile Creek, Lake Erie, New York.	XVI. Report Regents New York, 99.
<i>mirabile</i> , Dawson.	Shaly Limest., M.	Fern Ledges, Bed 2, Lancast. (N. Br.)	Acadian Geol. 2nd ed. p. 518.
Trichomanites , Göppert, 1836.			
<i>spec. indet.</i> , Dawson.	Shaly Limest., M.	Fern Ledges, Bed 2, Lancast. (N. Br.)	" " p. 555.
Trigonocarpum , Brongniart, 1828.	M.	New Brunswick.	
<i>perantiquum</i> , Dawson.	Shaly San., M.	Fern Ledges, Bed 2, Lancast. (N. Br.)	" " p. 555.
<i>racemosum</i> , Dawson.	1869 = Cyclopteris (auctorum).		
Triphyllopteris , Schimper, 1869 = Cyclopteris (auctorum).			
<i>elegans</i> , Unger.	Cypr.Sc. (or LCM), U.	Saalfeld	Palæont. Veg. Schimp. i. 480.
<i>furellata</i> , Ludwig.	Clay Slate, U.	Sinn (Valley of Dill, Herborn)	" " iii. 486.
Uphantænia , Vanuxem, 1843 ?			
<i>chemungensis</i> , Vanux.	Chem. ....U.	Steuben Co. (New York), Ohio	Van. Geol. N. Y. 3rd District, p. 181.

* See Canadian Brochure.

ANIMALIA. AMORPHOZOA. PROTOZOA.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Alcyonium , Pallas, 1766.			
<i>echinatum</i> , Ad. Röm.	Iberger Kalk, U.	Grund (Harz)	Palæont. D. & Von M. xiii. 228.
Amorphospongia , D'Orbigny.			
<i>granulifera</i> , Ad. Röm.	Stringoceph., M.	Clausthal (Harz)	" " 226, 228.
Coscinopora , Goldfuss, 1830 = Stromatopora .			
Receptaculites , De France, 1827 = Ischadites , Murchison.			
<i>Neptuni</i> , De France.	U., M.	Eifel, Oberkumzendorf (Dr. Dames), Givet, Chimay.	Silur. 4th ed. p. 399; Bull. n. s. xviii. 27 & 338.
<i>rhombifera</i> , Ad. Röm.	Iberger Kalk, U.	Grund. (An <i>Sphaerosp. tessell.</i> , Phill.?)	Palæont. D. & Von M. iii. 30, xiii. 228.
<i>spec. indet.</i> , Keyser.	Eifel Stages 4, 5, M.	Eifel	Zeitsch. Deutsch. &c. 1871, p. 373.
Scyphia , Goldfuss, 1830.			
<i>constricta</i> , Sndbrgr.	String. Limest., M.	Villmar	Verstein. Nassau, p. 420.
<i>turbinata</i> , Goldf.	M.	Torquay, Plymouth	Trans. G. S. L. v. tab. 58, n. s.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Sphaerospongia , ?? tessellata, Phill.	Limestone, M.	Torquay, Newton Bushell	Pal. Foss. Devon. p. 135.
Steganodictyum , M'Coy, 1851.	Dark Schist, L. or M.	Lantivit Bay, Polperro (Fowey)	Ann. & Mag. N. H. 2nd ser. vol. viii.
Carteri, M'Coy.	Blackish Schist "	" and Lantic Bays (Fowey) ..	" " "
Cornubicum, "			
Stellispongia . opographa, Stringoceph. Sch., M.		Clausthal (Harz)	Palæont. D. & Von M. xiii. 226.
Stromatopora , Goldfuss, 1830.			
crepitosa, Winch.	Ham. Gr ^p , M.	Little Traverse Bay (Michigan)	Geol. Rep. Mich. Append. 1866, p. 91.
capitata, D. D. Owen.	UHL L.....	Davenport, Iowa river, Maguagon, &c.	D. D. Owen, Report Minn. p. 624.
concentrica, Goldf.	Corn. L., Stringo. L., Iberg. L., M., U.	Vilmar, Harz, Saxony, Rhen. Prussia, England, Michigan, &c.	Sandberger, Verst. Nass. p. 380 &c.
erratica, Hall & Whitf.	UHL L.....	Waterloo, Iowa	Descript. New Foss. Albany 1872, p. 7.
monticulifera, Winch.	Ham. Gr ^p , M.	Little Traverse Beds (Michigan)	Geol. Rep. Mich. Append. 1866, p. 90.
nux, Ad. Röm.	" " " " " " " " " " " "	" " " " " " " " " " " "	p. 91.
patella, Ad. Röm.	Iberger Limest., U.....	Grund " (Harz).....	Palæont. D. & Von M. iii. 86.
placenta, Lonsd.	M., U.	Grund, Malagoziz, Torquay, Ply- mouth.	Phill. Pal. Foss. Devon. p. 18.
polymorpha, Goldf.	Iberger Kalk and four others, M., U.	Harz, Altai, Russia, England, Belgium, Kentucky, &c.	Quart. Journ. G. S. L. xxiii., For. Mem. p. 16.
var. γ, stellifera, "	Iberger Kalk, U.....	Rübeland (Harz)	Palæont. D. & Von M. v. 27, xiii. 228.
pustulifera, Winch.	Ham. Gr ^p , M.	Stromatophora Beds, Little Traverse Bay (Michigan).	Geol. Rep. Mich. Append. 1866.
ramosa, Limestone, L., M., U.		Looe, Liskeard, Padstow, Torquay ...	M'Coy, Brit. Pal. Foss. p. 67.
verticillata, M'Coy.	Limestone, M.	Torquay, Teignmouth	M'Coy, Brit. Pal. Foss. p. 67.
spec. nova, D. D. Owen.	Ham. Gr ^p	Winnebago Reserve (Illinois)	D. D. Owen, Report Minn. &c., p. 624.

SUBKINGDOM COELENTERATA (Frey and Leuckart). CLASS ACTINOZOA.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Acervularia , Schweigger, 18 20.			
basaltiiformis,	Ad. Röm. Iberger Limest., U....	Grund, Rübeland	Palaëont. D. & Von M. v. 31, xiii. 228.
Battersbyi,	M.-Edw. Limestone, M.	Newton Quarry, Torquay	Arch. d'Hist. Nat. v. 419.
coronata,	" " " " " "	Barton, Torquay	" " " " 416.
Davidsoni,	M. & W. Onon.L., Ham., L., M.	Ferques, Illinois, Kentucky, Iowa, Missouri, Indiana, &c.	Worthen, Hall, Winchell, Rep. &c.
Goldfussi,	De Vern. Limestone, L. ?, M., U.	Sabero, Aix-la-Chapelle, Namur, Tor- quay, Westphalia.	Bull. de France, n. s. vii. 161.
granulosa,	Ad. Röm. Iberger Linnest., U....	Grund (Harz)	Palaëont. D. & Von M. v. 30.
helianthoides,	" " " " " " " "	Ilfracombe, Plymouth	" ?
hexagona,	Hann. ....M.	Vinton (Iowa)	Hall & Whitf. Geol. Iowa, p. 263.
impressa,	Ad. Röm. Iberger Limest., U....	Grund (Harz)	Palaëont. D. & Von M. v. 39.
intercellulosa,	Phill. Limestone, M.	Torquay	Arch. d'Hist. Nat. v. 417.
irregularis,	Ad. Röm. Iberger Limest., U....	" Rübeland, Ferques	Palaëont. D. & Von M. v. 33.
Koninckii,	" " " " " " " "	Grund, Couvin	" " " " 31.
macrommata,	" " " " " " " "	" Rübeland, Ferques	" " " " 33.
Davidsoni.	" " " " " " " "	" " " " " " " "	" " " " 32, xiii. 228.
marginata,	" " " " " " " "	" " " " " " " "	" " " " 32, xiii. 228.
parallela,	" " " " " " " "	Plauen, Newton Bushell	Verstein. Harz, 1843, p. 5.
pentagona,	Goldf. Givet Limest., L., M.	Californ., Belg., France, Engl., Limburg	Arch. d'Hist. Nat. v. 418.
Pradoana,	Haine. ....L.	Chillon, Sierra Morena (Spain)	Bull. S. G. France, n. s. xii. 190, 1011.
profunda,	Hall. Ham. Grp. M.	Independence Town (Iowa)	Hall & Whitf. Report Iowa, p. 477.
Römeri,	M.-Edw. Iberger Limest., U....	Grund, Pola de Gordon, Torquay ...	Palaëont. D. & Von M. v. 32; Bull. S. G. France, n. s. vii. 162.
rugosa,	De Vern. ....L.....	Kartal (Asia Minor)	Tebihatcheff, Travels, Append. p. 13.
Troscheli,	M.-Edw. & H. ....U.....	Namur, Sotenick, Grund	Arch. Mus. d'Hist. Nat. v. 416.
tubulosa,	Ad. Röm. Iberger Limest., U....	Grund (Harz).....	Palaëont. D. & Von M. xiii. 228.
spec. indet.,	De Vern. (large species), L.	Chillon (Spain, Almaden).....	Bull. S. G. France, n. s. xii. 190.
Alveolites , Lamarck, 1801.	Family Favositidae.		
aqualis,	Gosselet? Calc. modulez, U.	Cerfontaine &c. (Belgium)	Bull. S. Geol. Lille, 1871, p. 297.
Battersbyi,	M.-Edw. & H. Limestone, M.	Torquay, Dartington	Arch. Mus. d'Hist. Nat. v. 257.
Billingsii,	Nicholson. Cornif. Limest., L....	Port Colborne, Wainfleet (Canada W.)	Geol. Mag. n. s. i. 56.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Alveolites (<i>continued</i>).			
<i>compressa</i> , M.-Edw.	Limestone, M.	Torquay	Mon. Brit. Corals Pal. Soc. p. 221.
<i>conferta</i> , Nicholson	Cornif. Limest., L.	Port Colborne, Ridgeway (Can. W.)	Geol. Mag. n. s. i. 56.
<i>cryptodens</i> , Bill.	"	Rama's Farm, P. Colb., Cayuga T'ship.	Can. Journ. n. s. iv. 115.
<i>denticulata</i> , De Vern.	Limestone, M.	Bensberg (Cologne)	Arch. Mus. d'Hist. Nat. v. 258.
<i>distans</i> , Nicholson	Cornif. Limest., L.	Port Colborne (Canada West)	Geol. Mag. n. s. i. 54.
<i>Fischeri</i> , Bill.	Ham. Shale, M.	Bosanquet Township	Can. Journ. n. s. v. 256.
<i>froudosa</i> , Nicholson	"	Bartlett's Mills, Arkona (Canada W.)	Geol. Mag. n. s. i. 15.
<i>Goldfussi</i> , Bill.	Ham. Shales, M.	Bosanquet (Canada West)	Can. Journ. n. s. v. 255.
<i>labiosa</i> , "	Cornif. Limest., L.	Lake Erie (S.E. end)	" 366.
<i>megastoma</i> , Winch.	Ham. ....M.	Little Traverse Bay (Lake Michigan)	Geol. Rep. Mich. Appen. 1866, p. 89.
<i>ramosa</i> , Ad. Röm.	Iberger Limest., U.	Grund, Wainfleet	Palæont. D. & Von M. v. 27.
<i>ramulosa</i> , Nicholson	Cornif. Limest., L.	Port Colborne (Canada West)	Geol. Mag. n. s. i. 55.
<i>Rockfordensis</i> ?, Hall.	Chem. ....U.	Rockford and Hackberry (Iowa)	Hall & Whitf. Descript. 1872, p. 10.
<i>Römeri</i> , Bill.	Ham. ....M.	Bosanquet (Canada West)	Geol. Can. 1863, p. 385.
<i>Selwyuii</i> , Nicholson	Cornif. Limest., L.	Port Colborne	Geol. Mag. n. s. i. 15.
<i>spongites</i> , var. <i>tuberosa</i> , Goldf.	M.?, L.	Bensberg (Rhenish Prussia)	Goldfuss, Petrefacta, pl. 28.
<i>squamosa</i> , Bill.	Cornif. Limest., L.	Cayuga Township (Canada West)	Can. Journ. v. 258.
<i>strigillita</i> , Winch.	Ham. ....M.	Little Traverse Bay (Michigan)	Geol. Rep. Mich. Appen. 1866, p. 89.
<i>subæqualis</i> , M.-Edw. & H.	L., M., U.	Feké, Ferques, Nehou	Tchihatcheff, Asia Minor, App. p. 13.
<i>suborbicularis</i> , "	String. Limest. &c., L., M., U.	Kartal, Vilmar, Grund, Ohio, Tennessee, Missouri.	
<i>tuberosa</i> , D'Orb.	U.	Visé	Horion, Bull. S. G. Fr. n. s. xvii. 60.
<i>vallorum</i> , Meek.	Ham. ....M.	Ramparts, river Mackenzie, Arctic America above Fort Hope.	Trans. Acad. Sc. Chicago, i. 73, 86.
<i>variabilis</i> , F. Röm.	Iberger Limest., U.	Grund	Palæont. D. & Von M. v. 28.
<i>vermicularis</i> , M.-Coy.	Chem. ....U.	Miss., Bedruthen Steps (Engl.), Torq.	Brit. Pal. Foss. p. 69.
<i>spec. indet.</i> , Winch.	Ham. ....M.	Little Traverse Bay, Michigan Bay	Geol. Report Michigan.
Amplexus , Sowerby, 1814. Cyathopsis , D'Orb. Fam. CYATHOPHYLLIDA.			
<i>annulatus</i> , De Vern.	L.	Sabero, Ferrones, Viré, Eifel	Bull. S. G. Fr. n. s. vii. 161, 784, 788.
<i>breviradiatus</i> , Ludwig.	Tentac. Limest., U.	Cramenzels, Dillenburg	Palæont. D. & Von M. xiv. 158.
<i>coralloides</i> ?, Ad. Röm.	Limestone, M.	Buckenburg (Harz)	Verstein. Harz, 1843, p. 4.
var. <i>aculeatus</i> , "	String. Limest., M.	"	Palæont. D. & Von M. v. 21, xiii. 226.
<i>inflexus</i> , Ludwig.	Cyprid. Sch., U.	Saalfeld	" " xiv. 149.
<i>infundibularis</i> , Ad. Röm.	String. Limest., M.	Buckenburg	" " v. 20.
<i>liueatus</i> , Quenstedt.	Iberger Limest., U.	Grund, Couvin	" " v. 30, xiii. 228.
<i>pauciradiatus</i> , Ludwig.	Cyprid. Sch., U.	Saalfeld	" " xiv. 149.
<i>pulcher</i> , "	Cramenzels, U.	Grafenthal (Saalfeld)	" " xiv. 150.
<i>stigmatophorus</i> , Sndbrgr.	String. ....M.	Vilmor	Verstein. Nassau, p. 413.
<i>tortuosus</i> , Phill.	String., Iberger, M., U.	Asholt, Withycombe, Newton Bushell	Mon. M.-Edw. 1853, p. 222.
<i>vannifer</i> , Sndbrgr.	Clay-slate, L., M.	Butzbach (Nassau)	Palæont. D. & Von M. xiv. 148.
<i>Yandelli</i> , M.-Edw. & H.	Cornif. Limest., L.	Ohio Falls, Woodstock (Canada W.)	Can. Journ. n. s. iv. 123.
<i>spec. indet.</i> , Meek.	Ham. ....M.	Ramparts, river Mackenzie, 40 miles [below Fort Hope.	Trans. Acad. Sc. Chicago, i. 86?
Anisophyllum , Milne-Edwards & S. Haime, 1850. Ellipsocyathus , D'Orb., 1847.			
<i>Agassizi</i> , M.-Edw. & H.	U.	Perry County	Arch. Mus. v. 351.
Anthophyllum , Schweigger, 1820.			
<i>bicostatum</i> , ?	Givet Gr ^p , M.	Givet, Heisterstein (Eifel)	Explicat. Carte Geol. France.
Arthrophyllum , Beyrich, 1862.			
<i>crassum</i> , Beyrich.	L., M.	Kahleberge, Bockweise	Palæont. D. & Von M. iii. 75.
Asterocyclus , Vanuxem, 1842.			
<i>confluens</i> , Vanuxem.	Onond. Limest., L.	Chittenango Village (New York)	Vanux. Rep. 3rd District, p. 136.
Aulacophyllum , Milne-Edwards and Haime, 1850.			
<i>Richardsoni</i> , Meek.	Ham. ....M.	Ramparts, river Mackenzie (Arctic [America, N.N.W.])	Trans. Acad. Sc. Chicago, i. 81.
Aulopora , Goldfuss, 1826. Syringopora .			
<i>alternans</i> , Ad. Röm.	String. ....M.	Kehozec, Clausthal (Harz)	Palæont. D. & Von M. iii. 22.
<i>aperta</i> , Winch.	Ham. ....M.	Little Traverse Bay (Lake Michigan)	Geol. Rep. Mich. Appen. 1866, p. 91.
<i>conferta</i> , Goldf., "	"	Acervularia Beds, Little Traverse Bay [(Lake Michigan.)	" " "
<i>spicata</i> , Goldf.	M.	Bensberg, Eifel, Ferques	Archiv. Mus. v. 313.
<i>conglomerata</i> , Bill.	Cornif. Limest., L.	Wainfleet (Canada West)	Can. Journ. March 1859, p. 22.
<i>corauta</i> , Michelin.	L., M.	Viré, Nehou, Ferques, La Cotentin	Cherbourg Mem. Soc. N. S. x. 201.
<i>cucullina</i> , Winch.	Ham. ....M.	Little Traverse Bay (Lake Michigan)	Geol. Rep. Mich. Appen. 1866, p. 92.
<i>cycloporea</i> , Bill.	Onond. Limest., L.	Wainfleet, Rama's Farm, Port Colborne	Can. Journ. n. s. iv. 119.
<i>filiformis</i> , Hall & Whitf.	Chem. ....U.?	Marl-beds, Hackberry &c.	Descript. New Foss. 1872.
<i>Iowensis</i> , M.-Edw. & H.	M.	Westphalia, Couvin, Bensberg, Rowa Slupia, &c.	Lethæa Geogu. i. 188; Quart. Journ. G. S. L. ix. 250.
<i>repens</i> , Goldf.	String. &c., L., M., U.	Kentucky, Tennessee, Gerostein, Ferrones, Nassau, &c.	Bull. S. G. Fr. n. s. ii. 458, vii. 162.
<i>serpens</i> , Goldf.	String. &c., L., M., U.	Kentucky, Tennessee, Gerostein, Ferrones, Nassau, &c.	Bull. S. G. Fr. n. s. ii. 458, vii. 162.
<i>serpuloides</i> , Winch.	Ham. ....M.	Little Traverse Bay (Lake Michigan)	Geol. Rep. Mich. Appen. 1866, p. 91.
<i>tubæformis</i> , Goldf.	L., M.	Kanlydji, Eifel, Ferques, Rowa Slupia, &c.	Compt. Rend. lxiv. 1218; Arch. Mus. v. 313.
<i>umbellifera</i> , Bill.	Cornif. Limest., L.	Wainfleet, Lake Erie (Canada West)	Can. Journ. n. s. iv. 119.
Baryphyllum , Milne-Edwards, 1851.			
<i>præcox</i> , F. Röm.	Criuid Sch., M.	Eifel	Zeitschrift &c. 1871, p. 372.
<i>Verniculanum</i> , "	U.	Per. Co. (Maine), Las Capillas (Sabero?)	Archiv. Mus. v. 352.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Battersbya , Milne-Edwards, gemmans, grandis, inaequalis, Duncan.	1851. Fam. MILLEPORIDA. Limestone, M.....	Teignmouth Torquay	Phil. Trans. Roy. Soc. 1867, p. 649.
	M.-Edw. Stringoc. Cypr. Sch. M., U.	Teignmouth, Mandelholz, Grund.....	Palæont. D. & Von M. v. 20, xiii. 228.
Beaumontia , Milne-Edwards, antiqua, Guerangeri, M.-Edw.	Columnaria , Goldfuss, 1826. Calamopora. L.....	Scheerenstiege (Harz) Brest, Brulon (France)	Ad. Röm. Verstein. Harz, p. 7. Arch. Mus. Hist. Nat. v. 277.
Blothrophylum , Billings, decorticatum, Billings.	1859. Cornif. Limest., L....	Haldimand Co., Canada W.....	Canad. Journ. n. s. iv. 136.
Buccula , Eichwald, 1860. pertusa, Eichwald.	O. R. Sandst.	Bouregli (Russia)	Lethæa Rossica, i. 517.
Calceola , Lamarck, 1801. Sandalina, Lamarck.	Incertæ sedis. Lower M.	Ogwell (South Devon), Eifel (Calc. Sch.) [Arkona].	Bronn, Index Pal. 1848, p. 202.
Callopora , Hall, 1852. incrassata, punctillata, Nicholson. Winch.	UHL & Ham., L., M. Ham. M.	Hagersville, Port Colborne, Widder Bryozoa beds, Little Traverse Bay, Lake Michigan.	Geol. Mag. i. n. s. p. 14. Geol. Rep. Mich. 1866, Append. p. 88.
spec. indet., Foster & Wh.	Argill. Limest., L.	Isle Michilimackinac (Lake Huron)...	Report L. Superior (S. side), p. 228.
Campophyllum , Milne-Edwards & Haime.	Verneuil. L.....	Yailadji (Anti-Taurus Mountains) ...	Tchihatcheff, Asia Min. p. 98.
Asiaticum, Verneuil.	Goldf. Limestone, M.	Eifel, Mons, Ferques, Torquay.....	Arch. Mus. Hist. Nat. v. p. 395.
flexuosum, Goldf.	M.-Edw. U.....	Schubelhammer	" " " p. 396.
Murchisoni, M.-Edw.	16. (Monogr. M.-Edw. & J. Haime, 1855, p. xxxii.)	Davenport (Iowa)	D. D. Owen, Rep. Minnes. &c. p. 624.
Caryophyllia , Lamarck, 18 fasciculata, rugosa, Hall?	Cornif. Limest., L....	Ohio Falls	Dana, Manual Geol. p. 273.
Chaetetes , Fischer, 1837. Barrandi, Nicholson. fibrosus, Goldf. Goldfussi, M.-Edw.	FAVOSITES. Monticulipora. Ham. M. Upper Calceola, M....	Widder (Canada W.) Eifel, Ferques, Eifel.....	Geol. Mag. n. s. i. 58. Zeitschrift, 1871, p. 373, Kayser. Bull. Soc. Géol. Fr. n. s. vii. 709.
Ceriopora. Hamiltonensis, Winch. microscopicus, moniliformis, Nichols. subfibrosus, D. D. Owen. Torrubia, Haime.	Ham. M. " " M. M.	Little Traverse Bay, Lake Michigan... Widder (Canada W.)..... Rivers Iowa and Cedar (Iowa)..... Sabero (Leon), Eifel, Ferques	Geol. Rep. Mich. 1866, Append. p. 89. " " p. 90. Geol. Mag. n. s. i. 57. " " D. D. Owen, Minnes. &c. p. 78. Vern. & Collomb, Bull. Soc. Géol. Fr. n. s. vii. 162.
Trigeri, M.-Edw. tumidus, Phill. spec. indet., M.-Edw. & H.	Ham. L..... Limestone, L. ?	Brulon (France) Braunton? (N. Devon)..... Windsor, Stewiacke (Nova Scotia).....	Bull. Soc. Géol. Fr. n. s. vii. 784. Quart. Journ. G. S. L. xxiii. 376. Acadian Geol. 2nd ed. p. 280.
Chonophyllum , Milne-Edwards, magnificum, Bill. perfoliatum, M.-Edw. & H.	1851. Helio. Cornif. Limest., L....	Walpole Township, Canada W.	
Chonostegites , Milne-Edwards & Haime. Clappi, M.-Edw. & H.	berg Limes &c., M., U. Ham. M.	Brulon, Grund?, Torquay, Fracon (L. Dev.), Dayton Drift (Ohio).....	M.-Edw. Monogr. 1853, p. 235. Archiv. Mus. Hist. Nat. v. 299.
Cladocora , Hemprich & Ehrenberg, 1834. antiqua, Bronn.	Calcar. Greywacke, M.	Bensberg, Grund, Chenciny, Kielce...	Geinitz, Verst. Sax. p. 77; Ann. des Mines, 6th ser. xii. 153.
Goldfussi, Geinitz. spec. indet., Unger & R.	H. L..... U.....	Thuringia, Wildenf., Magwitz, Stenn. Thüringerwald	Geinitz, Verst. Sax. p. 75. Neues Jahrb. 1856, p. 626.
Cliophyllum , Dana, 1846. Omaliusi, Haime. Oneidaense, Bill.	Aulophyllum , Milne-Edwards. U..... Cornif. Limest., L....	Etraungt (N. France) Rama's Farm, Haldimand (Can. W.)	Hébert, Bull. Soc. Géol. Fr. n. s. xii. 1184. Canada Journ. n. s. iv. 128.
Columnaria , Goldfuss. Beaumontia. Combophyllum, Milne-Edwards, 1858. Leonense, Haime & Vern. Marianum, Haime. multiradiatum, Meek.	L..... L..... L..... Ham. ?..... M.	Pena Venera, Sabero, Guadalp. (Spain) Guadalperal, Sabero Onion R., long. W. 125°, Arctic America	Archiv. Mus. Hist. Nat. v. 359. Bull. Soc. Géol. Fr. n. s. xii. 1012. Trans. Ac. Sc. Chicago, i. 84.
Crisperia , Milne-Edwards, 1838. Michelini, M.-Edw.	L.....	Asturias, Gahard (Fr.)	Bull. Soc. Géol. Fr. n. s. ii. 428, iv. 323, vii.
Cyathoxonia , Michelin, 1846. acuta, Ludwig? Dalmani, M.-Edw. Hiercynia, Ad. Röm. Richteri, Ludw.	Drift Stringoc. M. Cramenzels Sch., M.	Kipperhart (Pomerania) " " Buchenberg..... Saalfeld	Palæont. D. & Von M. xiv. 171. " " " 172. " " " v. 21. " " " xiv. 172.
Cyathophyllum , Goldfuss, 1826. æquisetatum, M.-Edw. & Haime.	Floscularia , Eichwald. Limest. M.	Ilfracombe, Morte, Hagginton, Torquay, &c. Bosanquet Township, L. Skeneateles, N. Y., &c., N.N.W. Arctic Amer.	Archiv. Mus. Hist. Nat. v. 389. Trans. Ac. Sc. Chicag. i. 75; Archiv. Mus. Hist. Nat. v. 464.
Americanum, Meek.	Ham. M.	Givet, Grund, Eifel	Verstein. Harz, p. 5, 1843; Carte de Fr. Beaumont & Dufresnoy, p. 732.
Ananas, Goldf.	Limest. M.	Alasca, Porcupine river on M'Kenzie river (N.N.W. Amer.).	Trans. Ac. Sc. Chicag. i. 79?
arcticum, Meek. [Lonsdale. binum, var. pluriradiata. Boloniense, M.-Edw.	L..... Limest. M.	Kartal (Asia Minor) Ferques, Ogwell, Torquay, Withcombe	Tchihatch. Asia Min. Append. p. 63. Archiv. Mus. Hist. Nat. v. 385.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Cyathophyllum (<i>continued</i>).			
Bouchardi, M.-Edw.	L., M.	Bensberg, Le Cotentin, Ferques	Quart. Journ. G. S. L. ix. 250.
Bucklandi, M.-Edw. & H.	L.	New Quay (Cornwall)	M.-Edw. Monogr. Brit. Corals, p. 226.
cæspitosum, Goldf.	Iberg Limes., L., M., U.	Feké, Gratz, Konkolodes, Kielce, Altai, Torquay.	Bull. Soc. Géol. Fr. n. s. xvii. 408; Quart. Journ. G. S. L. xxiv. 59.
celticum, D'Orb.	L.	Le Cotentin	Mém. Soc. Sc. Nat. x. 200.
ceratites, Goldf.	Stringoc. Ham., M.	Iowa, Torquay, Bad Nauheim, Vilmar, Grund, &c. [Ilfracombe.	M.-Edw. Monogr. Brit. Corals, p. 224.
Damnoniense, Lonsd.	M.	Torquay, Bensberg, Eifel, Ferques,	M.-Edw. Monogr. Cor. p. 225, 1853, &c.
Davidsoni, M.-Edw.	M.	Ferques (France)	Archiv. Mus. Hist. Nat. v. 389.
Decheni, Ad. Röm.	Limest., M.	Grund, Chimay, Eifel, Bensb., Ferques	" " " 365.
dianthus, Goldf.	Onond. Limest., L., M.	Givet, Ferques, Visé, N. York, Asia Minor	Bull. Soc. Géol. Fr. u. s. xvii. 60; Tchichatcheff, Bull. n. s. i. 684.
distortum, M.-Edw.	Ham. M.	Moscow (N. Y.), 18-mile Creek (N. Y.)	Archiv. Mus. Hist. Nat. v. 372.
explanatum, Goldf.	Limest. M.	Bensberg, Gratz	Palæont. D. & Von M. xiv. 212.
flexuosum, Abich.	" M.	" Ferques, Carverah (Armenia), &c.	Mém. Ac. Imp. Pétersb. viii. 438.
giganteum, Vanux.	Onond. Limest., L.	Iowa ?, New York	Geol. New York, 3rd Dist. p. 133, &c.
helianthoides, Goldf.	L., M., U.	Givet, Ioué, Viré, Plymouth, Thuring., Grund, Plauen, Iowa, Michigan.	Bull. Soc. Géol. Fr. n. s. i. 684, vii. 784; Monogr. Corals, 227.
heterophyllum, M.-Edw. & H.	M.	Nowa Slupia (Poland)	Zeuschner, Zeitsch. &c. xxi. 269.
hexagonum, "	Stringoc. Limest., M.	Givet, Chimay, Montignies, Lohren, Bensberg, Torquay.	Bull. Soc. Géol. Fr. n. s. i. 684, xvii. 60, &c.
humile, Ad. Römer.	Iberg Limest., U.	Grund (Harz)	Palæont. D. & Von M. v. 28.
hypocateriforme, Goldf.	Upper Calceola, M.	Bensberg, Eifel	" " " xiv. 209.
lamellosum, "	" M.	Couvin	Précis Geol. p. 56, D'Om. D'Hallo, 1868.
Lesueuri, Bill. ?	Corni. & On. Limes., L.	Rama's Farm (Can. W.), Caledon (N. Y.)	Canada Journ. n. s. v. 264.
lineatum, Quenstedt.	Stringoc. Limest., L.	Gerolstein	Palæont. D. & Von M. xiv. 206.
lituoides, Münster.	Clymen. Limest., U.	Geiser	Beiträge, &c. Heft iii. 114.
marginatum, Goldf.	" M.	Bensberg (Cologne)	Palæont. D. & Von M.
Marmiui, M.-Edw. & H.	L. Limest. L., M., U.	Kouzuetsk (Passage-bed), Feké, North America, Ferques, Torquay.	Archiv. Mus. Hist. Nat. v. 306; Bull. Soc. Géol. xi. 406.
Michelini, Vern.	Mid-Eifel Limest., M.	Blacourt, Blainghen, Ferques (France), Ferrones (Spain). [Haginton.	Bull. Soc. Géol. Fr. n. s. vii. 161; ix. 402, xii. 1185.
obortum, M.-Edw. & H.	Limestone, M.	Torquay, Dartington, Ilfracombe,	Monogr. Brit. Foss. Cor. p. 225.
panicum, Winch.	Ham. M.	Stromatopora Beds, Little Traverse Bay, Michigan.	Geol. Rep. Michig. 1866, Append. p. 90.
parasiticum, Ad. Röm.	Stringoc. M.	Hartenburg (Harz)	Palæont. D. & Von M. v. 22.
partitum, Winch.	Ham. M.	Little Traverse Bay (L. Michigan)	Geol. Rep. Michig. 1866, Append. p. 90.
priscum, Münster.	Clymen. Limest., U.	Schubelhammer	Beiträge, &c. iii. 114.
proliferum, Ad. Röm.	Iberg Limest., U.	Grund, Elbingerode	Palæont. D. & Von M. v. 29, xiii. 228.
quadrigenum, Goldf.	Eifel. stage 6, L., M.	Givet, Malmédy, Bensberg, Ilfracombe, Kartal, &c.	Bull. Soc. Géol. Fr. n. s. vi., vii., ix.; Archiv. Mus. Hist. Nat. v. 383.
radicans, "	Limestone, M.	Kouzuetsk, Altai, Eifel, Yailadji, valleys Toms and Zinief.	Tchihatcheff, Asia Min. Append. p. 13; Voyage, &c. p. 244; Quart. Journ. G. S. L. ix. 251.
rectum, M.-Edw.	Ham. M.	Moscow (N. Y.), Seneca Lake (N. Y.)	Arch. Mus. Hist. Nat. v. 372.
Römeri, Limestone, M.	"	Torquay, Bensberg, Eifel, Belgium	Monogr. Brit. Foss. Cor. p. 224.
rugosum, J. Hall.	Onond. Limest., L.	Missouri river, Ohio Falls, Sandusky, Michigan, New York.	Swall. Rep. i. 107; Archiv. Mus. Hist. Nat. v. 387.
Sedgwickii, M.-Edw.	Iberg Limest., M., U.	Grund, Rübeland, Torquay	Monogr. Brit. Foss. Cor. p. 231.
simplex ?, Winch.	Ham. M.	Little Traverse Bay, Lake Michigan	Geol. Rep. Michig. 1866.
Steiningeri, M.-Edw. & H.	Upper Calceol., M.	Bensberg, Eifel	Archiv. Mus. Hist. Nat. v. 378.
Vanuxemi, Hall.	Ham. M.	New York	Contrib. Geol. N. Y. 1857, &c. p. 89.
vermiculare, Goldf.	Cornif. Limest., &c., [L., M., U.	Etræungt, Bensberg, Eifel	Archiv. Mus. Hist. Nat. v. 363.
Strombodes, "	Limestone, L., M.	Isle Andirovitho (Bosphorus), Couvin.	Quart. Journ. G. S. L. xxiv. 59.
vesiculosum, Bill.	Cornif. L.	Rama's Farm (Lake Erie, Canada W.)	Canada Journ. n. s. v. 262.
Zenkeri, Rouault.	" L.	Gahard &c. (France)	Bull. Soc. Géol. Fr. n. s. iv. 323.
spec. indet., (several).	Onond. Limest., L.	Michilimackinac Isle (Lake Huron)	Post. & Wh. Rep. L. Superior (S. side).
" Uuger & Richter.	Clymen. Limest., U.	Thüringerwald	Leonhard & Bronn, Neues Jahrb. 1856, p. 626.
" Swam.	" L.	Arnaout-koi (the Bosphorus)	Quart. Journ. G. S. L. xx. 114, xxiv. 57.
" Tietze.	Clymen. Limest., U.	Ebersdorf (Silesia)	Palæont. D. & Z. xix. 152.
Cyathopora , <i>Michelin</i> , 1843.			
Towensis, D. D. Owen.	Ham. M.	Rockingham (Iowa)	Owen, Rep. Minnesota &c. p. 624, &c.
Cyathopsis , <i>D'Orbigny</i> , 1850.			
Cystiphyllum , <i>Lonsdale</i> , 1839.			
aggregatum, Bill.	Ham. M.	Simcoe Township (Canada W.)	Canada Journ. n. s. iv. 137.
Americanum, Hall.	" M.	Bosanquet (South Lake Huron), N. York	Geol. Can. 1863, 382; XVI. Rep. Regents N. Y. p. 26.
var. areticum, Meek.	" ? M.	Oujon river (N. N. W. Arctic America)	Trans. Ac. Sc. Chicag. i. 80.
fruticosum, Nicholson.	Cornif. Limest., L.	Wainfleet, Walpole (Canada W.)	Geol. Mag. 2nd ser. i. 32.
grande, Bill.	" L.	" Burford, Townsend (Can. W.)	Canada Journ. n. s. iv. 138.
lamellosum, Goldf.	Stages 3, 4, 5, Eifel, M.	Eifel, Refrath (Rhen. Pruss.)	M.-Edw. Archiv. Mus. Hist. Nat. v. 463.
Ohioense, Nicholson.	Cornif. Limest., L.	Columbus (Ohio)	Geol. Mag. 2nd ser. i. 31.
placentiforme, D'Orb.	" M.	Bensberg, Couvin (Belgium)	Goldf. Petrefacta, pl. 18.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Cystiphyllum (<i>continued</i>).			
plicatum, D. D. Owen.	Ham. M.	Rockingham (Iowa)	Rep. Minnes. &c. p. 624.
secundum, D'Orb.	 M.	Bensberg (Rhen. Prussia), Eifel	Goldf. Petrefacta, pl. 18.
Senekaense, Bill.	Cornif. Limest., L....	Seneka, Cayuga, Oneida (N. Y.), Walpole, Wainfleet (Canada W.)	Geol. Canad. 1863, p. 369.
squamosum, Nichols.	 " L....	Columbus (Ohio)	Geol. Mag. n. s. i. p. 31.
sulcatum, Lonsd.	Orisk. Sand. &c., L....	Rama's Farm, Cayuga and Walpole Co.	Canad. Naturalist, iii. 431.
superbum, Nichols.	Ham. M.	Arkona (Bosanquet, Canada W.)	Geol. Mag. n. s. i. 32.
vesiculare, Goldf.	Stages 3, 4, 5, Eifel, M.	Eifel (Prussia)	Zeitschrift, &c. 1871, p. 372 (Kayser).
vesiculosum, Phill.	 L., M.	Bochweise, Millar (Spain), Vilmar, Torquay, Ohio Falls, &c.	Palæont. D. & Von M. iii. 72; Verstein. Nassau, p. 418; Owen, Minnes. p. 624.
Dendropora , <i>Michelini</i> , 1845.			
explicata, Michelini.	 M. or U.	Ferques	Archiv. Mus. Hist. Nat. v. 304.
Diphyphyllum , <i>Lonsdale</i> , 1845.			
Archiaci, Bill.	Ham. Shale, M.	Bosanquet Township	Geol. Canada, 1863, p. 383.
arundinaceum, " "	Cornif. Limest., L....	Rama's Farm, Walpole, Wainfl., Oneida	Canada Journ. n. s. iv. 134.
minus, Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & Von M. v. 29, xiii. 228.
stramineum, Bill.	Cornif. Limest., L....	Simcoe Towns., Wainfleet, Owl's Head, ne-Edwards and Haime.	Geol. Canada, 1863, 383; Dana, Manual, p. 270.
Discophyllum , <i>Hall</i> , 1847.			
helianthoides, D'Orb.	Limestone, M.	Couvin	Précis, &c. p. 576, D'Om. d'Hallo.
Leonense, Haime.	 L.	Pena de la Venera (Leon)	Bull. Soc. Géol. Fr. n. s. vii. 161.
spec. indet. Meek.	Ham. M.	River Anderson, W.N.W. Arctic Amer. [Delaware.	Chicago Trans. vol. i. 1869.
Emmonsia , <i>Milne-Edwards and Haime</i> , 1850.			
cylindrica?, Michelin.	Onond. Limest., L....	Caledonia (N.Y.), Tennessee, Ohio Falls, Torquay, Aviles (Spain), Williamsville, [Ohio Falls, &c. &c.	Archiv. Mus. Hist. Nat. v. 248.
hemisphærica, " "	 L....	.....	" " " 247.
Endophyllum , <i>Milne-Edwards and Haime</i> , 1851.			
additum, M.-Edw. & H.	Limestone, M.	Teigumouth Beach, Asholt, Stowey, &c.	Etheridge, Devon. Cat. Arch. v. 394.
Bowerbankii, " "	 M.	Torquay, Barton	" " " "
Eridophyllum , <i>Milne-Edwards and Haime</i> , 1850.			
Simcoeense, Bill.	Cornif. Limest., L....	Rama's Farm, Simcoe Towns. (Can. W.)	Canada Journ. n. s. iv. 132; Geol. Canada, 1863, p. 363.
strictum, M.-Edw.	 L....	Woodstock (Can. W.) Ohio Falls (Kent.)	Archiv. Mus. Hist. Nat. v. 424.
Verneuillanum, " "	 L....	Rama's Farm, Woodstock, river Saugreen, &c. (Canada W.)	
Favosites , <i>Lamarck</i> , 1816.			
Alpenensis, Winch.	Ham. M.	Little Traverse Bay (Lake Michigan)	Fam. FAVOSITIDÆ. Geol. Rep. Mich. 1866, p. 88.
alveolaris, Blainville.	Stringoe.... M.	Westphalia, Eifel, Bochweise, Ferques	Archiv. Mus. Hist. Nat. v. 234.
basaltica, Goldf.	Cornif. Limest., L....	Couvin (Belgium), Owl's Head (Canada E.), Missouri, &c. &c.	Canada Journ. n. s. iv. 110; Dana, Manual, p. 270.
<i>Gothlandica</i> .			
cervicornis, Blainville, &c.	(In 10 sedim.), L., M., U.	Ferrones, Kartal, Magwitz, Grund, Brest, Ferques.	Bull. Soc. Géol. Fr. n. s. xii. 1011; Verstein. Nassau, p. 409.
var. ramoso-divaricata, " "	 L., M., U.	Kiele, Bensberg, Chimay, Torquay, Canada, Missouri, &c.	M.-Edw. Monogr. Corals, p. 216.
cornigea, D'Orb.	 L., M.	Ohio Falls, Sabero, Viré, Eifel, Kartal, Prafrath.	Bull. Soc. Géol. Fr. n. s. vii. 162, 389, &c.; Geol. Kentucky.
divergens, N. & W.	 U.	Iowa (N. America)	Proc. Boston Soc. Nat. Hist. viii. 306.
dumosa, Winch.	Ham. M.	Little Traverse Bay (Lake Michigan)	Geol. Rep. Michig. Append. p. 89.
dubia, Blainv.	Eifelian stage 4, L., M.	Feké, Loué, Eifel, Ilfracombe, &c., Ohio Falls (United States America).	Tchihach. Asia Minor; M.-Edw. Monogr. p. 216.
fibrosa, Goldf.	 L., M.	Thuringia, Bensberg, Viré, Eifel, Torquay, Spain, Columbus, Ohio.	
var. ramosa, " "	Calceola Sch., M.	Pyrenees (French), Boulonnais	Bull. S. G. Fr. n. s. xi. 241, xii. 72.
filiformis, F. Röm.	Limestone, L....	Siewierz (Upper Silesia)	Röm. Geol. von Oberschlesien, 1870.
Forbesi, M.-Edw. & Haime.	Cornif. Limest., L....	Port Colborne, Wainfleet (Canada W.)	Geol. Mag. x. 569.
Goldfussi, D'Orb.	 Calceola Limes., L., M.	Barton, Couvin, Nehou, Leon (Spain), Ohio, Indiana, &c.	Mem. Soc. N. H. Cherb. x. 201; M.-Edw. Monogr. &c. p. 214.
gracilis, Sndbrgr.	(In 5 sedim.), L., M.	Vilmar, Kerpen, Viré, Torquay, Magwitz, Kentucky, Indiana.	Verstein. Nassau, p. 409.
dubia, " "	[Limest., L.	.....	
hemisphærica, D'Orb.	Orisk. Sands. & Cornif.	Aviles (Spain), Kentucky, Malden, &c. (Canada W.)	Bull. Soc. Géol. Fr. n. s. vii. 162; Canada Journ. n. s. iv. 105.
infundibuliformis, D'Archie?	 ?	Valleys Zinief and Tomsk (Altai)	Tchihatcheff, Bull. n. s. i. 684.
mammillaris, Castelnau.	 L., U.	Columbus (Ohio), Beargrass (Kentucky), Illinois, Tennessee.	M.-Edw. Arch. Mus. Hist. Nat. v. 240.
maxima, Troost.	Coralline bed, L....	Jefferson Co. (Kentucky), Ohio Falls.	Geol. Rep. Kentucky, ii. 100.
minor, Ad. Röm.	Iberg Limest., U.	Grund (Harz)	Palæont. D. & Von M. v. 28, xiii. 228.
nitella, Winch.	Ham. M.	Little Traverse beds (Lake Michigan)	Geol. Rep. Michig. Append. p. 89.
ramosa, Lonsdale.	 L....	Kartal, Feké (Asia Minor)	D'Archiac, Palæont. Asia Minor.
reticulata, Blainville.	Schaaistein. Stringoe. Limes., L., M.	Yailadja, Pelapaya, Torquay, Vilmar, Brest, Altai.	Bull. Soc. Géol. Fr. n. s. i. p. 684, Tchihatch.
spongites, Lonsdale.	 M.	Eifel, Ferques, S. Devonshire	Quart. Journ. G. S. L. ix. 250.
striata?, Abich.	UHL. L....	Carverah Convent, Bargarracht, Mackinac Isle, Lake Huron.	Mém. Ac. Pétersb. ser. 6, xii.; Foster, Rep. L. Superior (S. side).
Tchihatcheffi, Haime.	 L....	Feké (Asia Minor)	D'Archiac, Palæont. Asia Minor, p. 55.
turbinata, Bill.	Orisk. Sandst., UHL.	Rama's Farm, Walpole, Haldimand (Canada W.)	Canada Journ. n. s. iv. 109, v. 258.
spec. indet. Swallow.	Onond. L....	Missouri	Geol. Rep. Missouri, ii.
" Dawson.	Oriskany Sandst.	Nictau (Nova Scotia)	Acadian Geol. 2nd ed. p. 499.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Fistulipora , <i>M' Coy</i> , 1849.			
acervulosa, Rominger.	Ham. Sh., M.	Partridge Point (south-west L. Huron)	Proc. Acad. Nat. Sci. Philad. 1866, p. 120.
Canadensis, Bill.	UHL. L.	Haldimand, Wainfl., Middlet. (Can. W.)	Canadian Nat. & Geol. iii. 420.
crassa, Rominger.	Low. Ham., M.	Sandusky, Columbus (Ohio)	Proc. Acad. Nat. Sci. Philad. 1866, p. 119.
cribrosa, Goldf.			Petrefacta German. t. 1. fig. 10.
elegans, Rominger.	Low. Ham., M.	Hamburg (Lake Erie)	Proc. Acad. Nat. Sci. Philad. 1866, p. 121.
Eriensis, "	Ham. Shale, M.		" " " "
falcata, "	" M.	Partridge Point (S. Lake Huron)	" " " 120.
Helios, "	Cornif. Limest., L.	Drift?	" " " "
labiosa, Winch.	Ham. M.	Acervular beds, Little Traverse Bay (Lake Michigan).	Geol. Rep. Mich. 1866, Append. "
lunata, Rominger.	UHL. L.	Columbus, Sandusky (Ohio)	Proc. Acad. Nat. Sci. Philad. 1866, p. 119.
minuta, "	Ham. Shale, M.	Partridge Point (Lake Huron)	" " " 120.
porosa, Ad. Röm.	Iberg Limest., U.	Grund (Harz)	Palaeont. D. & Von M. v. 28, xiii. 228.
Saffordii, Winch.	Ham. M.	Bryozoa beds &c., Little Traverse Bay (Lake Michigan).	Geol. Rep. Mich. 1866, Append. p. 88.
spinulifera, Rominger.	Ham. Shales, M.	Partridge Point (Lake Huron)	Proc. Acad. Nat. Sci. Philad. 1866, p. 113.
stellifera, "	" M.	Thunder Bay (S. Lake Huron)	" " " "
sulcata, "	" M.	Partridge Point (Thunder Bay)	" " " "
utriculus, Bill. ?	Upper Ham., M.	Widder Township (Canada W.)	" " " "
Hadrophyllum , <i>Milne-Edwards and Haine</i> , 1850.			
Orbigny, M.-Edw. & H.	UHL. L.	Charleston Landing (Ind.), Clarke Co.	Archiv. Mus. Hist. Nat. v. 347.
pauciradiatum, "	Upper Calceola, M.	Pelm (Eifel)	Zeitschrift &c. p. 372, 1871.
Haimeophyllum , <i>Billings</i> , 1859.			
ordinatum, Bill.	Cornif. Limest., L.	Walpole (Canada W.)	Canada Journ. ser. 2, iv. p. 140.
Hallia , <i>Milne-Edwards</i> , 1850.			
insignis ?, M.-Edw.	Schoharie Sandst., L.	Cyathophyllidæ.	
Pengellyi, "	Limestone, M., U. ?	Columbus (Ohio)	Archiv. Mus. Hist. Nat. v. 353.
Halysites , <i>Fischer</i> , 1806.			
catenulata, D'Orb.	M.	Torquay, Ilfracombe, Petherwin?, Nowa Slupia (Poland).	Zeitschrift &c. xxxi.; M.-Edw. Monogr. p. 269.
Heliolites , <i>Dana</i> , 1846.			
interstinctus, M.-Edw.	Porites, Lonsdale.	Eifel	Goldfuss, Petrefacta Germ. p. 75.
		Palæopora , <i>M' Coy</i> .	
		Nehou (Manche), Viré (Sarthe), Tennessee, Kentucky.	Archiv. Mus. Hist. Nat. v. 215.
		Nehou (La Manche)	" " 216.
megastoma ?, M' Coy.	L.		
porosus, Goldf.	L., M., U.		
spec. indet. Etheridge.		Adcombe, Ilfracombe, Asholt, &c.	Quart. Journ. G. S. L. xxiii. 583.
Haephyllum , <i>Hall</i> .			
Canadense, Bill.	Strephodes, <i>M' Coy</i> , 1848.		
Cayugense, "	Cornif. Limest., L.	Rama's Farm, Walpole (Canada W.)	Canada Journ. n. s. iv. 125.
colligatum, "	" L.	Cayuga co. (Canada W.)	" " 124.
Eriense, "	" L.	Rama's Farm	" " 126.
exiguum, "	" L.	" Walpole	" " 124.
gracilis, M' Coy.	Orisk. Sand., UHL., L.	N. Cayuga co., Rama's Farm	" " 126.
Hallii, M.-Edw. & Haine.	Ham. M.	Torquay, Newton Bushell (Devonsh.).	
		Little Traverse Bay, Bosanquet, Moscow (New York), &c.	" " "
proliferum, Nicholson.	Cornif. Limest., L.	Ridgeway (Canada W.)	Geol. Mag. n. s. i. 59.
subcespitosum, Nicholson.	Ham. M.	Bartlet's Mills, Arkona (Canada W.)	" " 58.
fenuiseptatum, Bill.	" M.	Bosanquet (Canada W.), Little Traverse Bay (Lake Michigan).	Canada Journ. n. s. iv. 126; Geol. Rep. Mich. Append. p. 85.
Helicopora , <i>Blainville</i> , 1830; <i>Dana</i> , 1846.	See	Heliolites .	
Li dendrocyathus , <i>Ludwig</i> .			
tubæformis, Ludwig.	Cyprid. Sch., U.	Thuringia	?
Lithostrotion , <i>Lhwjyd</i> , 1699; <i>Fleming</i> , 1828.			
ananas, D'Orb.	Iberg Limest., U.	Viré, Grund, Eifel	Stylastræa. Stylaxis. Bull. Soc. Géol. Fr. n. s. xvii. 60; Röm. Verstein. Harz, p. 5.
antiquum ?, M.-Edw.	M.	Bensberg	Archiv. Mus. Hist. Nat. v. 439.
basaltiforme, Ad. Röm.	Iberg Limest., U.	Grund (Harz)	Röm. Verstein. Harz, p. 5.
cespitosum, Goldf.	Stringoc. &c., M.	Vilmar, Hoff, Grund (Harz), Bensberg, Lahnstein, Plauen, &c.	Verst. Harz, p. 4; Dames, Zeitsch. xx. 492.
Hennahi, Lonsd.	Iberg Limest., U.	Harz, South Devonshire	" 5; Trans. G. S. L. n. s. v. 58.
impressum, Ludwig.	Stringoc. Limest., M.	Languean-Bach (Dillenburg)	Palaeont. D. & Von M. xiv. 237.
profundum, D'Orb.	U.	Ferques (Boulonnais)	D'Orb. Prodrome, i. 106.
Lophophyllum , <i>Milne-Edwards and Haine</i> , 1850.			
bicostatum, M.-Edw.	M.	Heisterstein (Rhenish borders)	Archiv. Mus. Hist. Nat. v. 350.
<i>Anthophyllum</i> , Goldf.			
Lunatipora , <i>Winchell</i> , 1866.			
Michiganensis, Winch.	Ham. M.	Little Traverse Bay (Lake Michigan)	Geol. Rep. Mich. 1866, Append. p. 89.
Medusæphyllum , <i>Ad. Römer</i> , 1857.			
Ibergense, Ad. Röm.	Iberg Limest., U.	Grund, Ferques?	Palaeont. D. & Von M. v. 33, xiii. 228.
Metriophyllum , <i>Milne-Edwards and Haine</i> , 1850.			
Battersbyi, M.-Edw.	M.	Torquay	M.-Edw. Monogr. 1855, p. 222.
Bouchardi, "	" M.	Ferques, Magey, Cheneiny, Poland, [Kielce]	Bull. Soc. Géol. Fr. n. s. xxiv. 127; Ann. des Mines, ser. 6, xii. 153.
Michelinia , <i>De Koninck</i> , 1842.			
antiqua, M' Coy.	U.	Baggy Point ?, Pilton ?, Brushford	Carb. Foss. Irel. t. 26, f. 10. Michel. Icones.
convexa, D'Orb.	Onond. & Cornif., L.	Preston Co. (Virgin.), Michigan, Mal-den, &c. &c. (Canada W.).	Canad. Nat. &c. iii. 427; Can. Journ. n. s. iv. 112.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Michelinia (<i>continued</i>).			
favosidea, Bill.	L.	Rama's Farm (Canada W.)	Canad. Naturalist, iii. 428.
geometrica, M.-Edw.	L.	Viré, Loué (France)	Bull. Soc. Géol. Fr. n. s. vii. 784.
intermittens, Bill.	Upp. Held. L'st., L.	Haldimand, Woodstock, &c. (Can. W.)	Canad. Natur. iii. 428; Canad. Journ. iv. n. s. 113.
<i>Chonostegites Clappi</i> , Haimé.	L.	Kartal, Pendik, Arnaut-Koi, Kanlydji	D'Arch. Palæont. Asia Minor, p. 62; Bull. Soc. Géol. Fr. n. s. xi. 414.
Pachyphyllum , Milne-Edwards and Haime, 1850.			
Bouchardi, M.-Edw. & H.	U.	Ferques (Boulonnais)	Archiv. Mus. Hist. Nat. v. 397.
Devoniense, "	M.	Torquay, Ilfracombe	" " "
Palæocyclus , Milne-Edwards, and Haime 1849.			
Kirbyi, Meek.	Ham.	Porcupine Riv., Alaska, N.N.W. Amer.	Trans. Acad. Sci. Chicago, i. 85.
Petraia , Münster, 1839.			
bina?, Lonsdale.	L., M., U.	Elbingerode (Harz), Combe (Dr. Holl), Brushford, &c.	Cyathopsis , D'Orbigny. Br. Pal. Foss. p. 40; M'Coy, Pal. Foss. Devon. p. 4; Phillips.
celtica, "	L., M., U.	Valleys Zinief & Tomsk, Looe, Petherw., &c., Festenberg, Faon (Brittany).	Archiv. Mus. Hist. Nat. v. 373; Palæont. D. & Von M. iii. 9.
decussata, Münst.	Clymen. Limest., U.	Elbersreuth (Franconia)	Beiträge &c. Münst. i. 64.
elongata, Lonsd.	Calceol. Sch., M.	Rammelsberg, Huttenrode, Birken- thal, &c.	Palæont. D. & Von M. iii. 8.
fungites, Fleming.			
Kochii, Münst.	Clymen. Limest., U.	Elbersreuth, Schubelhammer	Beiträge &c. i. 65.
pleuriradialis, Phill.	Calcar. Sch., L., U.	Looe, Linton Brushford, Olpe, Hohen- Kehle.	Palæont. D. & Von M. iii. 9, 77, xiii. 222.
punctato-crenulata, Ad. Röm.	Wissenbach Sch., M.	Festenburg (Harz)	" " " iii. 77.
radiata, Münst.	Clymen. Limest., U.	Elbersreuth, Schubelhammer, Ebers- dorf.	Beiträge &c. i. 64.
regulus, Richter.	Drift U.	Thüringerwald	Richter, Palæont. Thuring. p. 27.
regulosa, Ad. Röm.	Wissenbach Sch., M.	Tölthales (Central Germany)	Palæont. D. & Von M. iii. 77.
semistriata, Münst.	Clymen. Limest., U.	Elbersreuth, Schubelhammer	Beiträge &c. i. 65.
16-plicata, Ad. Röm.	Wissenbach Sch., M.	Festenburg (Harz)	Palæont. D. & Von M. iii. 77.
tenuicostata, Münst.	Clymen. Limest., U.	Elbersreuth.	
turbinata, Ad. Röm.	Spirif. Sandst., L.	Schalke (Harz)	Palæont. D. & Von M. v. 10.
spec. ind., Ether.	M.	Adcombe, Stowey, Asholt	Quart. Journ. G. S. L. xxiii. 583-591.
Phillipsastræa , Milne-Edwards and Haime, 1850.			
affinis, Bill.	(Pass.-bed) L'st. No. 8	Indian Cove (Gaspé).	
Cantabrica, Haimé.	Limestone, M.	Leon (Spain), Torquay	Bull. Soc. Géol. Fr. n. s. vii. 162.
gigas, Bill.	Cornif. Limest., L.	Ohio, Haldimand, Walpole, &c. (C.W.)	Geol. Can. 1863, p. 369.
parallela, D'Orb.	M.	Torquay, Grund, Puerto de las Volcas.	
Torreana, Haimé.	Limestone, L.	(Leon) Sabero	Bull. Soc. Géol. Fr. n. s. vii. 162.
Verneuilli, M.-Edw. & H.	Corn. L. & Ham. L., M.	Rock-Island Co. (Illinois), Rainham, Haldimand.	Arch. Mus. Hist. Nat. v. 447.
Plasmopora , Milne-Edwards and Haime, 1849.			
micropora, M.-Edw. & H.		Eifel? (in the Bonn Museum)	" " " v. 223.
Pleurodictyum , Goldfuss, 1826.			
Constantinopolitum, Ad. Röm.	L.	Kanlydja, Kartal (Asia Minor)	D'Arch. Palæont. Asia Minor, p. 68.
problematicum, Goldf.	L., M.	Cramberg, Weilburg, Caub, Gahard, Perques, Sierra Morena, Kanlydja, Indiana, Ohio, &c.	Verstein. Nassau, p. 405; Bull. S. G. Fr. n. s. vii. 72, 190, 1011, xii. 785. &c.
Ptilodictya. Stictopora.			
Gilberti, Meek.	Cornif. Limest., L.	Sylvania (Lucy Co.), Marblehead (Ohio)	Proc. Ac. Nat. Sc. Philad. 1872, part i.
Ptychophyllum , Milne-Edwards, 1850.			
expansum, M.-Edw.	L.	Heliohyllum , Strephodes, M'Coy. Nehou (France)	Arch. Mus. Hist. Nat. v. 408.
Römeria , Milne-Edwards and Haime, 1850.			
infundibulifera, M.-Edw. & H.	M.	Eifel (Bensberg)	form " columella " (Milne-Edwards).
Smithia , Milne-Edwards and Haime, 1850. Differs from <i>Phillipsastræa</i> by having a styli			Arch. Mus. Hist. Nat. v. 423.
Boloniensis, M.-Edw. & H.	Limestone, M.	Ferques	M.-Edw. Mon. 1855, p. 241.
Bowerbankii, "	"	Torquay	Quart. Journ. G. S. L. xxiii. 618;
Hennahi, Lonsd.	M., U.	Grund, Rübeland, Barton, Teignmouth, California.	Palæont. D. & Von M. v. 33.
micrommata, Ad. Röm.	Limestone, U.	Ferques (France)	Lethæa Geognost. 3rd ed. i. 197.
Pengellyi, M.-Edw. & H.	"	Torquay, Plymouth, Ilfracombe	M.-Edw. Mon. 1855, p. 240.
Verrilli, Meek.	Ham.	River Anderson, N.W. Arctic America	Trans. Acad. Sci. Chicago, i. 85.
Spongophyllum , Milne-Edwards and Haime, 1851.			
Sedgwickii, Limestone, M.		Torquay, Ilfracombe	M.-Edw. Mon. Pal. Soc. p. 242.
Streptastræa , Sandberger = Smithia , Milne-Edwards and Haime.			
longe-radiata, Sandbrgr.	String. & Sch'st. C., M.	Lohnberger-Weg, Lohren, Torquay	Verstein. Nassau, p. 416.
recta, Hall.	Ham.	New York	XIV. Rep. Regents New York, p. 26.
Striatopora , Hall, 1852.			
formosa, Bill.	Cornif. Limest., L.	Woodstock (Lake Eric, Canada West)	Can. Journ. n. s. v. 254.
Linneæana, "	Ham. Sh., M.	Bosanquet Township (Canada West).	" " " 253.
rugosa, Hall.	Ham. Shaly L'st., M.	New Buffalo (Iowa)	Hall & Wh. Report Iowa, p. 479.
Strombodes , Schweigger, 1820. Acervularia.			
distortus, Hall?	Ham.	New York	XIV. Rep. Regents New York, p. 26.
pentagonus, Goldf.	UHL	Falls of river Ohio (Kentucky), Drum- mond Island?, South Lake Huron, Eifel, South Devonshire, Ferques.	Troost, 6th Report, Tennessee, 1841, p. 24; Quart. Journ. G. S. L. ix. 250.
plicatus, Sow.	Iberger Limest., U.	Grund (Harz); North America	Röm. Verst. Harz, p. 4; Can. Nat. iii. 479.
spec. ind., Grewingk.		Upper Duna valley (Livonia)	Grewingk, Geol. of Livonia, p. 39.

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SUBKINGDOM ANNULOSA. PROVINCE ANNULOIDA. CLASS ECHINODERMATA. ORDERS CRINOIDEA, BLASTOIDEA, AND ASTERIDEA.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Acanthocrinus , <i>Römer</i> , 186	2? Subgenus of	Rhodocrinus .	
<i>gracilis</i> , Hall.	Ham. Shale, M.	Ontario Co. (New York)	XV. Rep. Regents N. York, p. 127.
<i>longispinus</i> , F. Römer.	M.	Peltn, Gerolstein	Leonh. & Bronn, Neues Jahrb. &c. 1856, p. 255.
<i>nodulosus</i> , " "	M.	Ontario Co. (New York)	XV. Rep. Regents N. York, p. 126.
<i>spinosus</i> , " "	Ham. Shale, M.	" "	" " p. 127.
Achradocrinus , <i>L. Schultze</i> .	Limestone, M.	Gerolstein (Eifel).	
<i>ventrosus</i> , L. Schultze.	All the species plac	ed here belong elsewhere, except <i>A. Prumiensis</i> , Ferd. Römer, Breslau.	
Actinocrinus , <i>Miller</i> , 1821.	Limest. under black	Silver Creek (Indiana), Rock Island,	Dale Owen, Report Kentucky, iii. 479.
<i>abnormis</i> , Lyon.	Shale, U.	Beargrass Creek (Kentucky).	
<i>Calypso</i> , Hall.	Ham. ....M.	Western New York	XV. Rep. Regents N. York, p. 132.
<i>Cassedayi</i> , Lyon.	Crinoid Bed, U.	Beargrass Creek (under black shale)...	Proc. Acad. N. H. Phil. 1861, p. 410.
<i>Cauliculus</i> , Hall.	Ham. ....M.	Western New York	XV. Rep. Regents N. York, p. 132.
<i>cingulatus</i> , Goldf.	Limestone, M.	Eifel, Nowa Slupia	Leth. Ross. p. 604; Zeuchner, Zeitsch. xxi. 268.
<i>Melocrinus</i> .			
<i>Coreyi</i> , Lyon and Cass.	U.	Indiana	Amer. Journ. Sci. n. s. xxix. 75.
<i>cornigerus</i> , " "	Under Black Shale, U.	Beargrass Creek, Rock Island (Illin.).	" " xxviii. 228.
<i>cyathiformis</i> , Sndbrgr.	Stringoc. Limest., M.	Vilmar (Nassau)	Verstein. Nassau, p. 394.
<i>Eucharis</i> , Hall.	Ham. Shales, M.	Western New York	XV. Rep. Regents N. York, p. 130.
<i>Gilbertsonii</i> , Miller.	MSS. ....M. ?	Eifel, Bolland (Carb.)	Trans. G. S. L. n. s. vi. 403.
<i>granulatus</i> , Goldf.	M.	Eifel &c.	Museum Teyler, p. 34.
<i>Indianensis</i> , Lyon and Cass.	U.	Indiana	Amer. Journ. Sci. n. s. xxix. 78.
<i>Kentuckyensis</i> , " "	UHG. ....L.	Falls of the Ohio (Kentucky)	2nd Report Missouri, part ii. p. 194.
<i>lævis</i> , Miller, Goldf.	M.	Eifel, Nowa Slupia, Ratingen (Carb.)	Trans. G. S. L. ser. 2, vi. 403.
<i>latus</i> , Shum.	Ham. ....M.	New Buffalo (Iowa)	Hall and Whitney, Rep. Iowa, p. 480.
<i>Meekii</i> , Lyon.	70 feet below black	Jefferson Co. (Kentucky)	Proc. Acad. Nat. Sc. Phil. 1861, p. 411.
<i>moniliferus</i> , Goldf.	Limestone, M.	Eifel, Nowa Slupia (Poland)	Zeitsch. &c. xxi. 261; Trans. G. S. L. ser. 2, vi. 403.
<i>multicornis</i> , Lyon.	Nucleocrin. bed, M. ?	Ohio Falls	Trans. Am. Ph. Soc. Philad. n. s. xii. 455.
<i>muricatus</i> , Goldf.	Stringoc. Limest., M.	Eifel, Elbingerode, Nowa Slupia (Pol.)	Verst. Harz, 1843, p. 9; Zeits. xxi. 268.
<i>nodulosus</i> , " "	Stringoc. &c., L., M.	" " Kahleberges	Palæont. D. & Von M. iii. p. 104.
<i>Nyssa</i> , Hall.	Ham. Shale, M.	Western New York	XV. Rep. Regents N. York, p. 219.
<i>pauillum</i> , " "	" " "	" "	" " p. 134.
<i>pocillum?</i>			
<i>pentaspinus</i> , Lyon.	Nucleocrin. bed, M.	Falls, River Ohio (Kentucky)	Trans. Am. Ph. Soc. Philad. n. s. xii. 453.
<i>pistilliformis</i> , M. & W.	U.	Illinois	Proc. Acad. Nat. Sc. Phil. 1861.
<i>polydactylus</i> , Miller.	U.	Braunton (Devonshire)	Quart. Journ. G. S. L. xxiii. 379.
<i>præcursor</i> , Hall.	Ham. Shale, M.	Falls of the Ohio (Kentucky)	XV. Rep. Regents N. York, p. 131.
<i>Prumiensis</i> , Wirtg. & Zeil.	L.	Prum &c. (rare)	Leonh. & Bronn. Neues Jahrb. 1856, p. 253.
<i>pyriformis</i> , Römer, non Phill.	U.	Thuringerwald	p. 626.
<i>striatus</i> , Münst.	Marble breccia, U.	Geiser near Hoff. Thuringia, Upper Franconia.	Beitr. &c. iii. 113; Zeits. &c. xxi. 388.
<i>tenuistriatus</i> , Phill.	L., M., U.	Linton, Torquay, Pilton, Top Orchard	Pal. Foss. Devon. &c. p. 31.
<i>tesseratus</i> , Goldf.			Petref. i. 213 (pars); Schloth. i. 339.
<i>triacontadactylus?</i>	Coomhola, M., U.	Torquay, Newton Bushell	Pal. Foss. Devon. &c. p. 31.
Adelocrinus , <i>Phillips</i> , 1841.	Platycrinus , <i>Miller</i> , 1821.		
<i>hystris</i> , Phill.	U.	Pilton, Pilland, Braunton, Brushford,	" " p. 30; Quart.
Agelacrinus , <i>Vanuxem</i> , 1842.		[Top Orchard]	[Journ. G. S. L. xxiii. 379.]
<i>Hamiltoniensis</i> , " "	Ham. Shale, M.	Hamilton Village (New York)	XX. Rep. Regents N. York, p. 299.
Ancyrocrinus , <i>Hall</i> , 1862.			
<i>bulbosus</i> , Hall.	Ham. Shale, M.	South Shore, Lake Erie	XV. Rep. Regents N. York, p. 118.
<i>spinosus</i> , " "	UHL. ....L.	River Ohio Falls	" " p. 119.
Anomalocystites , <i>Hall</i> , 1859.			
<i>disparilis</i> , Hall.	Oriskany Sandst., L.	Cumberland Co. (Maryland)	Palæont. N. York Vanux. iii. 145.
Archæocidaris , <i>M'Coy</i> , 1844.	Echinocrinus , <i>Agassiz</i> , 1841.		Bronn's Index, p. 184.
<i>Drydenensis</i> , Vanux.	Chem. ....U.	Dryden (New York)	Geol. Rep. N. York, 3rd Distr. p. 184.
Aspidosoma , <i>Adolph Römer</i> , 1863.			[p. 233.]
<i>Arnoldi</i> , Goldf.	M.	Peltn, Gerolstein (Eifel)	Leonh. & Bronn, Neues Jahrb. 1856,
<i>Tishbeinianum</i> , Ad. Römer.	Dachschief. U.	Bundenbach (Harz)	Palæont. D. & Von M. ix. 144-146.
Asterias , <i>Linnaeus</i> , 1748.			
<i>asperula</i> , Ad. Römer.	" "	" "	146.
<i>constellata</i> , Thorent.	L.	Mondrepius " "	Bull. Soc. Géol. Fr. n. s. i. 208.
<i>Rhenana</i> , Wirtg. & Zeil.	L., M.	Peltn, Coblenz, Gerolstein	Leonh. & Bronn, Neues Jahrb. 1856.
<i>spinosissima</i> , Ad. Römer.	Dachschief. U.	Bundenbach	Palæont. D. & Von M. ix. 147.
Asterocrinus , <i>Münster</i> , 1843.			
<i>Murchisoni</i> , Münst.	Orthoc. Limest., U.	Elbersreuth (Franconia)	Beiträge &c. i. 33, iii. 112.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
? <i>Ataxiacrinus</i> , Sydney S. caponiformis, Syd. S. Lyon.	Lyon, 1869.	Dayton (Ohio)	Trans. Am. Ph. Soc. Philad. n. s. xiii. 464.
<i>Bursacrinus</i> , Meek and Worth.	then, 1861.	Illinois	Swall. Report Missouri, ii. 188.
<i>Cacabocrinus</i> , Troost, 1850.	Ham. Shale, M.	Pavilion Co., Genesee (Genesee Co.), Moscow (New York).	XV. Rep. Regents N. York, p. 140.
<i>glyptus</i> , Hall.	UHL. L.	Pavilion Co., Livingston Co., N. York	" " p. 141.
var. <i>intermedius</i> , "	UHL. L.	Western New York	Trans. Am. Ph. Soc. Philad. n. s. xiii. 443.
<i>lamellosus</i> , "	Ham., Chem., M., U.	Genesee (W. New York), Ohio, foot of Falls.	Amer. Journ. Sci. n. s. xii. 121.
var. <i>multilira</i> , "	Ham. M.	Genesee & c. (W. New York), foot of Ohio Falls.	XV. Rep. Regents N. York, p. 138.
<i>speciosus</i> , "	UHL. L.	Schoharie & c. Counties (New York)...	Tr. Am. Ph. Soc. Phil. n. s. xiii. 443.
<i>Troostii</i> , "	Ham., Chem., M., U.	Western N. York, foot of Ohio Falls.	
<i>Ceramocrinus</i> , Müller.	 L., M.	Pelm, Gerolstein	Leonh. & Bronn, Neues Jahrb. 1856, [p. 233.]
<i>Cheirocrinus</i> , Hall, 1859.	Ham. Shale, M.	Ontario Co., New York	XV. Rep. Regents N. York, p. 116.
<i>clarus</i> , Hall.	"	New York	XIII. " "
<i>chrysalis</i> , "	"	"	"
<i>Cidaris</i> , Lamarck, 1816. (Echinidea.)	String. M.	Vilmar (Nassau).	
<i>laevispina</i> , Sndbrgr.	"	"	
<i>scrobiculata</i> , De Kon.	"	Chinay.	
<i>Codaster</i> , M. Coy, 1855.	Codonaster, 1849.	2nd Order. Blastoidea .	
<i>alternatus</i> , Lyon.	 M., U.	Beargrass Creek (Kentucky)	D. D. Owen, Geol. Kentucky, iii. 493.
<i>Americanus</i> , Shum.	 M., U.	"	Trans. Acad. Sci. St. Louis, i. 239.
<i>pyramidatus</i> , "	UHL. L., U.	" " Columbus, [Ohio]	" " 238.
<i>Codiocrinus</i> , Ludwig Schultze, 1866.	 L.	Prum (Eifel)	Denkschr. Akad. Wissens. xxvi. 144.
<i>Cœlaster</i> , Agassiz. Asteriada.	Gedinian ... L.	Mondrepius, Montagne Noire (Lang.)	Thor. Bull. Soc. Géol. Fr. n. s. xii. 1185.
<i>constellata</i> , Thorent.	Spirif. Sandst., L.	Kemmenau (Nassau), Unkel (Bonn)...	Verstein. Nassau, p. 381.
<i>Ctenocrinus</i> , Bronn, 1840.	Goldf. Spirif. Sandst., L.	Kemmenau, Eschelbach, Houffalze, &c.	" " p. 396. [p. 233.]
<i>decadactylus</i> , Ad. Röm.	Orthoc. Sch., L.	Pelm, Gerolstein	Leonh. & Bronn, Neues Jahrb. 1856, Naumann, Lehrb. p. 382; Leonh. & Bronn, Neues Jahrb. 1856, p. 233.
<i>typus</i> , Bronn.	 L.	Houffalze, Ems, Hausling, Daun, Siegen, &c.	Bull. Soc. Géol. Fr. n. s. xii. 1017.
sp. ind., De Vern. & Barr.	 L.	Almaden (Spain)	Leonh. & Bronn, Neues Jahrb. 1856, [p. 501.]
" De Vern.	 L.	Guadalperal (Spain)	" " p. 233.
<i>Culicocrinus</i> , Müller, 1854.	A subgenus of	Platycrinus , De Koninck.	
<i>nodosus</i> , Müller.	 L., M.	Pelm, Gerolstein	
<i>Cupressocrinus</i> , Miller, 1821.	1. Halocrinus .		
<i>abbreviatus</i> , Goldf.	Eifel, stages 3 and 5, L., M.	Vilmar, Pelm, Gerolstein	Trans. G. S. L. ser. 2. vi. 403.
<i>brachydactylus</i> , Ad. Röm.	Spirif. Sandst.	Rammelsbirge (Goslar)	Palæont. D. & Von M. xiii. 205.
<i>crassus</i> , Goldf.	Limestone, M.	Torg, Newton Bush, Pelm, Gerolstein	Bronn, Lethæa Geogn. 3rd ed. i. 232.
<i>dubius</i> , Ad. Röm.	Spir. Sa., Grey Sch., L.	Schalke (Harz)	Verstein. Harz, 1843, p. 8.
<i>elongatus</i> , Goldf.	Limestone, L., M.	Kartal (Asia Minor), Schalke, Couvin, Pelm, Gerolstein.	" " p. 8; Voyage Tchihatcheff, Append. p. 61.
<i>gracilis</i> , "	Eifelian, stage 5, L., M.	Prum, Pelm, Gerolstein	Trans. G. S. L. n. s. vi. 403.
<i>hieroglyphicus</i> , L. Schultze.	Limestone, L., M.	Kerpen, Pelm	Denkschr. Akad. Wiss. Wien, xxvi. 137.
<i>inflatus</i> , "	 L., M.	" " Prum	" " " "
<i>nodosus</i> , Sndbrgr.	Stringoc. Limest., M.	Vilmar, Weilburg (Flinty Ironstone), Nowa Slupia.	Verstein. Nassau, p. 401; Zeitschrift G. G. Berlin, xxi. 268.
<i>scaber</i> , L. Schultze.	Limestone, L., M.	Pelm, Kerpen, rare (Eifel)	Denkschr. Akad. Wiss. Wien, xxvi. 137.
<i>teres</i> , Ad. Römer.	Schist L.	Rammelsberg	Verstein. Harz, 1843, p. 8.
<i>tesseratus</i> , Goldf.	 M.	Eifel	Trans. G. S. L. 2nd ser. vi. 403.
<i>tetragonus</i> , L. Schultze.	 M.	" Perry Co. (De Vera, Tennessee)	Denkschr. Akad. Wiss. Wien, xxvi. 137.
<i>Urogalli</i> , Ad. Röm.	Calceol. Sch., M.	Auerhahne and Bigge (Westphalia), Clausthal (Harz).	Palæont. D. & Von M. iii. 9, xiii. 222.
spec. indet.	Limestone, M.	Plymouth, Collumpton (Devonsh.)	Trans. G. S. L. 2nd ser. v. 708.
" (spec. 2)	Belgium	?	?
<i>Cyathocrinus</i> *, Miller, 1821.	Vasocrinus , Lyon.	Isocrinus , Taxocrinus , Phill.	Cladocrinus , Austin.
<i>brachydactylus</i> , Hall.	Spirif. Sandst., L.	Rammelsberg	Palæont. D. & Von M. xiii. 205.
<i>bulbosus</i> , Hall.	UHL. L.	Livingstone Co. (New York)	XV. Rep. Regents, N. Y. p. 123.
<i>decadactylus</i> , Lyon & Cassid.	 U.	Indiana	Amer. Journ. Sci. n. s. xxix. 73.
<i>decaphyllus</i> , Ad. Röm.	 L.	Thüringerwald, Kahleberg (Sandst.)	Verstein. Harz, 1843, p. 8.
<i>dubius</i> , Münster.	Limestone Drift	" Schubelham, Gattendorf	Trans. G. S. L. n. s. vi. 1813.
<i>ellipticus</i> , Phill.	 U.	Pilton, Top Orchard, Petherwin, Braunton.	Quart. Journ. G. S. L. xxiii. 379; Palæont. Foss. Devon. p. 32.
<i>geometricus</i> , Goldf.	 M.	Newton (Devonsh.)	Phill. Palæoz. Foss. p. 135.
? <i>Gosse</i> , Ad. Röm.	Calceol. Sch., M.	Rammelsberg, N.E. flank	Palæont. D. & Von M. xiii. 207.
<i>gracilior</i> , "	Dachschief., U.	Bundenbach (Harz)	" " ix. 149.

* An indeterminate genus,—not to be called a genus, according to the two Austins and Prof. Römer of Breslau.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
<i>læviculus</i> , ¹	Lyon.	Crinoid bed, U.	Beargrass Quarries (Kentucky) Proc. Acad. Nat. Sci. Philad. 1861, p. 409.
<i>macrodaetylus</i> ,	Phill.	M., U.	Brushford, Pilton, Baggy Point, Ilfracombe. [Bay. Palæont. Foss. Devon. p. 29; Quart. Journ. G. S. L. xxiii. 379.
<i>megastylus</i> ,	"	L., M.	Looe, Meadsfoot, Padstow, Whitesand
<i>nodolosus</i> ,	"	M., U.	Torquay, Ogwell, Newton Bush, Pilton
<i>ornatissimus</i> , ¹	Hall.	Chemung, U.	Portland, West New York (passim).... Geol. Rep. 4th Distr. N. Y. " p. 247.
<i>pentagonus</i> ,	Goldf.	.....	Montagne Noire (Languedoc) Bull. Soc. Géol. Fr. n. s. i. 786.
<i>pinnatus</i> ,	"	In 4 Sed., L., M., U.	Meadsfoot, Pilton, Pilland, Saalfeld, Daun, Valdai, &c. Palæont. Foss. Dev. p. 31; Palæont. Thuring. p. 4, &c.
<i>Rhenanus</i> ,	F. Röm.	Grauwacke, L.	Coblentz Lethæa Geogn. 3rd ed. i. 236.
<i>sculptus</i> , ¹	Lyon.	Between Black Slate & Hydraul. Cement, U.	Ohio Falls, Jefferson Co. (Kentucky) Geol. Rep. Kentucky, iii. 486.
<i>subtuberculatus</i> ,	"	Stringoc. ....M.	Clausthal (Harz) Palæont. D. & Von M. xiii. 227.
<i>tenuibrachiatus</i> , ¹	Lyon.	.....	Kentucky, Indiana (passim)..... Trans. Am. Phil. Soc. Philad. n. s. xiii. 466.
? <i>terres</i> ,	Münst.	Clymen. Limest., U.	Schübelhammer Beiträge &c. Heft iii. 113.
<i>tricarinatus</i> ,	Ad. Röm.	Iberg Limest., U.	Grund (Harz) Palæont. D. & Von M. xiii. 228; Verstein. Harz, p. 8.
<i>tuberculatus</i> ,	"	Stringoc. Limest., M.	Kehrzu (Harz) Palæont. D. & Von M. iii. 23.
<i>valens</i> , ¹	"	Limest. over Hydraulic Limestone, U.	Beargrass Creek (Kentucky)..... D. D. Owen Geol. Kentucky, iii. 485.
<i>Wortheni</i> , ¹	"	Under black Slate, U.	" Quarries (Kentucky) Proc. Acad. N. Sci. Philad. 1861, p. 410.
<i>spec. indet.</i> ,	Grewingk.	.....	Upper Welikaja valley, Dorpat, &c. Geol. of Livonia &c. 1861.
"	Richter & Unger.	U.	Thüringerwald Leonh. & Br. Neues Jahrb. &c. 1856, p. 626.
Dimerocrinus , ¹	Phillips, 1839.	Upper Limest., M.	Aratowistcher (Russia) Bull. Soc. Géol. Fr. n. s. x. 189.
<i>aptilus</i> ,	Kutorga.	Marly O. R. Sands, M.	Pleskau, Iborsk, river Schelon (Government of Novgorod). Leth. Ross. i. 597; Grewingk, Livonia, p. 35.
<i>oligoptilus</i> ,	Pacht.	.....	.....
Dolatocrinus , ¹	Lyon, 1857 =	Cacabocrinus , ¹ Troost.	.....
<i>lacus</i> , ¹	Lyon.	Limestone next above Hydraulic beds, U.	Beargrass and Silver Creeks (Kentucky) Owen, Geol. Kentucky, iii. 482.
<i>ornatus</i> , ¹	Meek.	Cornif. Limest., L.	Columbus (Ohio) Proc. Acad. Nat. Sci. Philad. 1871, p. 57.
<i>Marshii</i> , ¹	Lyon.	Nucleocrin.-bed, U. ?	Ohio Falls (Kent.), Clarke Co. (Indiana) Trans. Amer. Phil. Soc. n. s. xiii. 461.
Echinocystites , ¹	Hall, 1864.	Cystidea.	.....
<i>nodosus</i> , ¹	Hall.	Chem. ....U.	Racine (Wisconsin) XVIII. Rep. Regents N. Y. p. 12 (abstract).
Edriocrinus , ¹	Hall, 1859.	(Silurian genus.)	.....
<i>pyriformis</i> , ¹	Hall.	UHL. ....L.	Utica (New York) XV. " " p. 116.
<i>sacculus</i> , ¹	"	Orisk. Sandst., U.	Cumberland Co. (Maryland) Palæont. New York, iii. 138.
Eleacrinus , ¹	F. Römer, 1852; Brogn. 1860.	Olivenites , ¹ Troost, 1850.	Nucleocrinus , ¹ Conrad, 1843.
<i>angularis</i> , ¹	Lyon.	Between Black Slate and Hydraul. Cem.*	Silver and Beargrass Creeks, Ohio Falls Owen, Rep. Kentucky, iii. 492.
<i>Verneuilli</i> , ¹	F. Röm. & Troost.	Below (?) Hydraulic bed, L., U.	Ohio Falls, Pine Creek (Iowa), Silver and 14-mile Creeks (Indiana), Columbus (Ohio). Trans. Acad. Sci. St. Louis, i. 247, 288.
<i>Pentremites</i>.	.....	.....	.....
Eleutherocrinus , ¹	Yandell	and Shumard, 1857.	Fam. BLASTOIDEA.
<i>Cassedayi</i> , ¹	Yandell.	Pass.-b., Enc. L'st., U.	Beargrass Creek (and Carbonif.) 620.
<i>Whitfieldi</i> , ¹	Hall.	Ham. ....M.	Western New York XV. Rep. Regents N. Y. p. 131 ?
Ecoidaris , ¹	Desor.	.....	.....
<i>Drydenensis</i> , ¹	Vanux.	Lower Chem., U.	Dryden (New York) XX. " " 298.
Epactocrinus , ¹	Müller, 1855.	.....	.....
<i>virgularis</i> , ¹	Wirtgen & Zeiler.	L., M.	Pelm, Gerolstein Leonh. & Br. Neues Jahrb. &c. 1856, p. 233.
Eucalyptocrinus = Hypanthocrinus.	.....	.....	.....
Eugaster , ¹	Hall, 1867.	Asteridea.	.....
<i>Logani</i> , ¹	Hall.	Ham. ....M.	Fenner (New York) XX. Rep. Regents N. Y. p. 290.
Eugeniocrinus , ¹	Miller, 1821	.....	.....
<i>sessilis</i> ,	Münst.	Clymen. Limest., U.	Schübelhammer (Franconia) Beiträge, &c. iii. 111.
Gasterocoma , ¹	Goldf., 1838.	Ceramocrinus and Epactocrinus , ¹ Müller, 1855.	.....
<i>antiqua</i> ,	Goldf.	Limestone, M.	Eifel Abhandl. Ak. Wiss. Berlin, 1856, p. 257.
<i>gibbosa</i> ,	L. Schultze.	" L.	Pelm Denkschriften &c. xxvi. 210.
<i>Mülleri</i> ,	"	" L.	Gerolstein Trans. G. S. L. 2nd ser. p. 403 ?
Gilbertocrinus , ¹	Phillips, 1836.	Goniastero-	.....
<i>spinigerus</i> , ¹	Hall.	Ham. ....M.	Ontario Co. (New York) XV. Rep. Regents N. Y. p. 128.
Hadrocrinus , ¹	Sydney S. Lyon, 1869.	.....	.....
<i>angularis</i> , ¹	S. S. Lyon.	Nucleocr. bed (lower Crinoid.), U.	Ohio Falls (Clarke Co., Indiana, near Jefferson). Trans. Am. Phil. Soc. n. s. xii. pl. 26.
<i>discus</i> , ¹	"	" U.	" " " " p. 448.
<i>pentagonus</i> , ¹	"	" U.	" " " " 450.
<i>plenissimus</i> , ¹	"	" U.	" " " " 445.
Halocrinites , ¹	Steininger, 1830.	(A Silurian genus.)	.....
<i>pyramidalis</i> ,	Bronn.	L.	Ems (Nassau)..... Trans. G. S. L. ser. 2, vi. p. 404.
Haplocrinus , ¹	Steininger, 1834.	(A Silurian genus.)	.....
<i>Clio</i> , ¹	Hall.	Marcell. Shale, M.	Onondago Co. (New York). Lethæa Geognost. 3rd ed. i. 261.
<i>mespiliformis</i> ,	F. Röm.	Crinoid. Shale, M.	Gerolstein Lethæa Geognost. 3rd ed. i. 261.

* in a bed 1-12 inches thick, called the Olivenite bed.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
stellaris, F. Röm.	Stringoc. Limest., M.	Enkesberg (Calc. Red Ironst.), Weilburg.	Lethæa Geognost. 3rd ed. i. 261.
Aplocrinus, Steininger.		Thüringerwald	Leonh. & Bronn, Neues Jahrb. 1856, p. 626.
spec. indet., Richter & Unger.	U.	Harbertonford (Totness)	Geol. Mag. ser. 2, i. 5.
Helianthaster, Ad. Römer.	1862-64.	Bundenbach (Harz), Birkenfeld	Palæont. D. & Von M. ix. 147.
filiciformis, H. Woodw.	Slate, U.		
Rhenanus, Ad. Röm.	Dachschiefer, U.		
Heterocrinus, Hall.			
pachydaetylus, Sndbrg.	Spirif. Sand., L.	Stein by Hackenburg.	Verstein. Nassau, p. 402.
Hexacrinus, Austin, 1850.			
anaglypticus, Goldf.	Eifelian stage 5, M.	Gerolstein, Kerpen (Eifel)	Denkschr. Akad. Wissensch. xxvi. 184.
bacca, L. Schultze.	Limestone, M.	Pelm	" 186.
brevis, Goldf.	Stringoc. Limest., M.	Vilmar, Gerolstein &c. (Eifel)	Sandberger, Verstein. Nassau, p. 398.
Buchii, Ad. Röm.	"	Hartenberg	Verstein. Harz, 1843, p. 9.
callosus, L. Schultze.	Limestone, M.	Pelm	Denkschrift. Akad. Wissen. xxvi.
decaonus, Goldf.	" M.	Gerolstein, Eifel	Trans. G. S. L. n. s. vi. 403.
decoratus, Ad. Röm.	Stringoc. M.	Tonnichener Manor, Elbingerode	Palæont. D. & Von M. v. 22.
depressus, Austin.	" M.	Plymouth, Newton Bushell, Torquay	Quart. Journ. G. S. L. xviii. 619.
Eboraceus, Hall.	Ham. M.	York, Livingstone Co. (New York)	XV. Rep. Regents N. Y. p. 119.
elongatus, Goldf.	Stage 5, Eifel, M.	Pelm, Gerolstein, Kerpen	Denkschriften Akad. Wiss. xxvi. 186.
Eriensis, Hall.	Ham. M.	Hamburg, Erie and Livingstone Counties.	XV. Rep. Regents N. Y. p. 119.
exculpatus, ?		Dreimühlen, Pelm, &c.	Denkschriften Akad. Wiss. xxvi. 189.
fritillus, Müller.	Crinoid. Schist, M.	Coblenz, Eifel.	Leonh. & Br. Neues Jahrb. 1856, p. 233.
granulatus ?, Viré, Loué (France)	L.		Bull. Soc. Géol. France, n. s. vii. 783.
granuliferus, Ad. Röm.	Stringoceph., L., M.	Vilmar, Pelm, Lahenstein (flinty Ironstone).	Verstein. Nassau, p. 397.
hieroglyphicus, Goldf.	M.	Eifel.	?
limbatus, L. Schultze.	M.	Kerpen (Eifel)	Abhandl. Ak. Wiss. Berlin, 1856, p. 248.
lobatus, Müller.	Limestone, L.	Prum (Eifel)	" p. 248.
macrotatus, Austin.	" M.	Torquay, Newton Bushell, Plymouth	Phill. Palæont. Foss. Dev.
melo, "	" M.	Newton Bushell, Plymouth	Austins, Sen. & Jun., Monogr. 1856.
nodifer, L. Schultze.		Kerpen (Eifel)	Abhandl. Ak. Wiss. Berl. 1856, p. 248.
pateraformis, "	M.	Pelm (Eifel)	Denkschr. Akad. Wissensch. xxvi. 184?
pyriformis, "	Limestone, M.	?	
spinosus, Müller.	L., M.	Kerpen, Prum	Abhandl. Ak. Wiss. Berlin, 1856, p. 247.
stellaris, F. Röm.	M.	" Gerolstein	?
triradialis, L. Schultze.	M.	" (very rare)	Denkschrift. Akad. Wiss. Berlin, xxvi. 198.
ventricosus, Goldf.	Limestone, M.	Prum, Eifel	Abhandl. Ak. Wiss. Berlin, 1856, p. 247.
spec. indet., Etheridge.	" M.	Haggington (Devonsh.)	Quart. Journ. G. S. L. xxiii. 640.
" Hall.	Ham. M.	Iowa	Rep. Geol. Iowa, p. 624.
Homocrinus, Hall, 1852.			
proboscidiialis, Hall.	Oriskany Sandst., L.	Cumberland Co. (Maryland)	Palæont. N. Y. 4th district.
Hypanthocrinus, Phillips.	Eucalyptocrinus, Goldfuss, 1831.	Attendorn	Trans. G. S. L. ser. 2, vi. 403.
rosaceus, Goldf.	Crinoid. Schist, M.		
Lepidocentrus, Müller, 1856.			
Eifelanus, L. Schultze.	M.	Eifel, Rommersheim near Prum	Abhandl. Ak. Wiss. Berlin, 1856, p. 258.
Mülleri, "	M.	Rommersheim	Denkschr. Akad. Wissens. xxvi. 124.
Lophocrinus. See Poteriocrinus.			
Megistocrinus, D. D. Owen and B. Shumard, 1848.	Subgenus of ACTINOCRINUS.		
abnormis, Lyon.	Black Slate, U.	Beargrass Creek (Kentucky)	D. D. Owen, Surv. Kentucky, iv. 479.
depressus, Hall.	Ham. M.	Western New York	XV. Rep. Regents N. Y. p. 134.
Knappi, Lyon & Cass.	Upper Ham., M.	Clarke Co. (Indiana)	Proc. Ac. Nat. Sci. Philad. p. 412.
latus, Hall.	Ham. Shale, M.	New Buffalo (Iowa)	H. & Wh. Geol. Iowa, i. 480.
Ontario, "	" M.	Western New York	XVI. Rep. Regents N. Y. p. 136.
rugosus, Lyon & Cass.	" L.	Ohio Falls and Clarke Co. (Indiana)	Amer. Journ. Science, n. s. xxviii. 243.
spinulosus, Lyon.	UHG	"	Proc. Acad. Nat. Sci. Phil. 1861, p. 413.
Melocrinus, Goldfuss, 1826.	Melocrinites, Gf. 1826.	Astrocrinites, Conrad, 1840.	
fornicatus, Goldf.	Limestone, M.	Eifel.	Trans. G. S. L. n. s. vi. 403.
gibbosus, "	Eifelian stage 5, M.	" Gerolstein, Hillesheim	Denkschriften Akad. Wiss. xxvii. 176.
hieroglyphicus, "	Limest. or Schist, U.	" Aachen (Pruss.), Valcour, Convin.	Bronn, Lethæa Geogn. i. 351.
lævis, "	" M.	Schlangenberg Smeim. (Altai), Wildenfels, Grunau, &c.	Geinitz, Verstein. Grauwacke in Sachsen &c. ii. 89.
nodosus, "	UHG	Wisconsin (U.S.A.)	?
pyramidalis, Goldf.	Limestone, M.	Eifel, Mühlberg (by Gerolstein)	Trans. G. S. L. n. s. vi. 403.
rotundatus, L. Schultze.		Kerpen (rare)	Denkschriften Akad. Wiss. xxvi. 17.
stellaris, Ad. Röm.	Calcol. Sch., M.	" Ludenscheid	" " " 177.
verrucosus, "	Limestone, M.	" Gerolstein	" " " "
Mycocrinus, L. Schultze, 1867.			
boletus, L. Schultze.	" M.	Nallebach near Kerpen	Denkschriften Akad. Wiss. xxvi.
Mytillocrinus, Sandberger, 1850-56.			
Americanus, Hall.	UHL. L.	Caledonia (New York)	XV. Rep. Regents N. Y. Append. 142.
elongatus, Sndbrg.	Stringocephal., M.	Vilmar	Verstein. Nassau, p. 389.
Nanocrinus, Müller, 1856.			
paradoxus, Müller.	Limestone, M.	Gerolstein, Kerpen (Eifel)	Abhandl. Ak. Wiss. Berl. 1856, p. 249.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Nucleocrinus , <i>Conrad</i> , 1843.	Eleocrinus , <i>Römer</i> , 1851.	Olivenites , <i>Troost</i> , 1849.	
angularis, Lyon.	Shale L., U. ...	Ohio Falls, Beargrass Creek	Owen, Geol. of Kentucky, iii. 149.
Conradi, Hall?	 L.	Stafford (New York)	XV. Rep. Regents N. Y. p. 149.
elegans, Conrad	Ham. Shales, M. ...	Moscow (New York)	" " " " 148.
lucina, Hall.	" M. ...	Livingstone Co. &c. (New York)	" " " " "
" var., "	" M. ...	" " " " "	" " " " "
Verneuili, Troost & Röm.	Cornif. Limest., L. ...	Stafford (New York), Ohio Falls	" " " " 149.
Ophiocrinus , <i>Salter</i> , 1852.			
Stangeri, Salter.	In dark-col'd Sand., L.	Cape of Good Hope	Trans. G. S. L. n. s. vii. 205.
Palæaster , <i>Hall</i> , 1842.			
eucharis, Hall.	Ham. M.	Hamilton Village and Cooper's Town summit, New York, Weilburg.	XX. Rep. Regents N. Y. p. 7, footnote, and p. 289.
spec. indet., T. M. Hall.	 U.	Braunton, North Devonshire	Quart. Journ. G. S. L. xxiii. 379.
Palæchinus , <i>Beyrich</i> .			
Rhenanus, Beyrich.	 L.	Wipperfûrth? (Eifel)	Abhandl. Ak. Wiss. Berlin, 1856, p. 265.
Pentacrinus , <i>Miller</i> , 1821.	? Glyptocrinus .		
? priscus, Goldf.	Spirif. Sand., Stringoc.	Menzenberg, Nowa Slupia, Vilmar, Weilburg.	Verhandl. Vers. xiv.; Verst. Nassau, p. 402.
? rugosus, Fournet.	 U.	Montagne Noire (France)	Bull. Soc. Géol. France, n. s. i. 786.
? spec. indet., Rouault.	 L.	Gahard (France)	" " " " iv. 323.
Pentatremites , <i>Sandbrgr.</i> , 1850-56.			
planus, Stringoc. Limest., M.	Vilmar	Vilmar	Verstein. Nassau, p. 403.
Pentremites , <i>Say</i> , 1820.	Isocrinus , <i>Phillips</i> .	Cladocrinus , <i>Austin</i> .	
acutangulus, L. Schultze.	Limestone, M.	Pelm (very rare)	Denkschriften &c. xxvi. 225.
calyce, Hall.	Ham. Shale, M.	Western New York	XV. Rep. Regents N. Y. p. 150.
clavatus, L. Schultze.	Limestone, M.	Nollenbach by Kerpen	Denkschriften &c. xxvi. 225.
Eifelensis, F. Römer.	Crinoid. Sch., L., M.	Prüm, plentiful, less so at Gerolstein	" " " " 224.
Leda, Hall.	Ham. Shale, M.	Western New York	XV. Rep. Regents N. Y. p. 149.
Lycorias, "	" M.	" " " " "	" " " " 151.
macrodactylus, Phill.	 U.	Pilton (Devonshire)	Palæoz. Fossil. Devon., p. 29.
<i>Taxocrinus</i> .			
Maii, Hall.	Ham. Sch., M.	Moscow in Western New York	XV. Rep. Regents N. Y. p. 150.
ovalis, Goldf.	 U.	Pilton (Devonshire), Brushford	Quart. Journ. G. S. L. xxiii. 619.
Pailletti, Vern.	 L.	Ferrones, Sabero, Spain (north)	Bull. Soc. Géol. Fr. n. s. ii. 479, vii. 479.
Reinwardti, Troost.	 U.	Beargrass Creek (Kentucky)	Shum. Trans. Acad. Sci. St. Louis, ii. 385.
Römeri, Shumard.	Chem. U.	Bosanquet (Canada W.), Providence and Boon Counties (Missouri).	Geol. Canad. 1863, p. 283; Shum. Swallow Rep. ii. 186.
Schultzii, D'Arch. & Vern.	 L.	Ferrones, Sabero (North Spain)	Bull. Soc. Géol. Fr. n. s. ii. 479, vii. 161.
striatus, Hall.	Cornif. Limest., L. ...	New York	Hall & Whit. Geol. Iowa, p. 485.
subtruncatus, "	Ham. Shales, M.	New Buffalo (Iowa)	" " " " "
Verneuili, D'Orb. & Beadle.	 M. ?	Falls of the Ohio (Kentucky)	Prodromus, i. 102.
Whitei, "	 "	Western New York	XV. Rep. Regents N. Y. p. 150.
Phimocrinus , <i>L. Schultze</i> , 1866.			
lævis, L. Schultze.	Limestone, M.	Between Pelm and Kerpen	Denkschrift. Ak. Wiss. Wien, xxvi.
quinquangularis, "	" M.	" " and Gerolstein	" " " " "
Platycrinus , <i>Miller</i> , 1821.	? Amblacrinus , <i>D'Orb.</i>		
Leai, Sydney S. Lyon.	Upper Crin. Limes., U.	Beargrass Quarries, Jefferson Co. [(Kentucky)].	Trans. Am. Phil. Soc. n. s. xiii. 459.
nodosus, Wirtgen & Zeiler.	 L. ?	Pelm, Gerolstein	Leonh. & Br. Neues Jahrb. 1856, p. 233.
ornatus, Goldf.	 M. ?	Eifel	Trans. G. S. L. n. s. vi. 403.
pentangularis, Miller.	Limestone, M.	Torquay, Newton Bushell	Phill. Palæoz. Foss. Devon. p. 135.
rosaceus, Ad. Röm.	 "	Coblentz, Eifel	Leonh. & Br. Neues Jahrb. 1856, p. 233.
<i>Coccocrinus</i> .			
subgranulosus, Stringoc. Limest., M.	Kehrzu (Harz)	Palæont. D. & Von M. xiii. 227.	
tabulatus, Goldf.	Limestone, M.	Eifel	Trans. G. S. L. n. s. vi. 403.
trifidus, L. Schultze.	" M.	Pelm (very rare)	Denkschriften Akad. Wiss. xxvi. 182.
tuberculatus, Miller.	" M.	Torquay, Newton Bushell	Trans. G. S. L. n. s. vi. 403.
Poteriocrinus , <i>Miller</i> , 1821.	CYATHOCRINIDÆ .		
angulosus, L. Schultze.	Limestone, M.	Kerpen (rare)	Denkschriften Ak. Wiss. xxvi. 162.
curtus, Wirtgen & Zeiler.	 L.	Schönecken, Prüm	Abhandl. Ak. Wiss. Berlin, 1856, p. 233.
cylindricus, Lyon.	Nucleocrin. bed., U.	Falls of the Ohio (Clark's Co.)	Trans. Amer. Phil. Soc. n. s. xiii. 258.
diffusus, Hall.	Ham. M.	Ontario Co., New York	XV. Rep. Regents N. Y. p. 121.
dilatatus, L. Schultze.	 M.	Eifel	Verh. Nat. Vereins f. Rheinland, xii. 80.
fusiformis, F. Röm.	Stage 5 &c., M., U.	Pilton, Kerpen, Gerolstein, Berendorf, Eifel.	Bronn, Lethæa Geognost. i. 230.
geometricus, Müller.	In 5 Eifel stages, M.	Eifel, passim	Abhandl. Ak. Wissen. 1856, p. 250.
var. a. typus, L. Schultze.	" M.	"	Denkschr. Kaiser. Ak. Wissen. xxvi. 164.
b. reticulatus, "	" M.	"	" " " " "
c. ornatus, "	" M. ?	"	" " " " "
d. concentricus, "	" M.	"	" " " " "
hemisphericus, Müller.	 L.	Prüm (Eifel)	Monatsbericht &c. 1856, p. 250.
<i>geometricus</i> ?			
impressus, Richter & Unger.	Cyprid. Sch., U.	Thüringerwald	Leonh. & Br. Neues Jahrb. 1856, p. 626.
indentus, Hall.	Ham. Shale, M.	Ontario Co. (New York)	XV. Rep. Regents N. Y. p. 122.
Meekianus, Shum.	Ham. Gr?, M.	Mount Vernon (Missouri)	Swall. Geol. Rep. part 2, p. 188.
mespiliformis, Richt. & Ung.	Cyprid. Sch., U.	Thüringerwald	Leonh. & Br. Neues Jahrb. 1856, p. 626.
nanus, Ad. Röm.	Dachschiefer, U.	Grund?, Bundenbach (Harz)	Palæont. D. & Von M. ix. 150.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Nassa,' Hall.	Ham. Shale, M.	Canandaigua (New York).....	XV. Rep. Regents N. Y. p. 120.
Nereus,' "	" M.	Ontario Co. (New York)	" " "
Nyctæus,' "	" M.	" " "	" " "
pachydactylus, Müll.	 ?	Germany " "	Monatsbericht Akad. Berlin, 1858.
patulus, " Limestone, L. ....	.....	" " " .....	" " " p. 192.
Rhenanus, Wirtg. & Zeil.	 L, M.	Pelm, Gerolstein	Leonb. & Br. Neues Jahrb. 1856, p. 233.
verticillus,' Hall.	Ham. Shale, M.	Ontario Co. (New York)	XV. Rep. Regents N. Y. p. 122.
Zeaformis, L. Schultze.	 L.	Caub (Rhenish Prussia)	Denkschriften Akad. Wissen. xxvi. ?
spec. indet., T. M. Hall.	 U.	Pilton, Branton, Frankmarsh, Groyde.	Quart. Journ. G. S. L. xxiii. 379.
Pradocrinus , De Verneuil.			
Americanus,' Lyon.	 L.	Falls of the river Ohio, Kentucky ...	Trans. Amer. Phil. Soc. n. s. xiii.
Baylei, " "	.....	Le Cotentin, La Manche, Colle (Prov. Leon).	Bull. Soc. Géol. Fr. vii. n. s. 184.
<i>Pyridocrinus</i> .			
Protaster , Edward Forbes, 1849.	 U.	Pilton	Quart. Journ. G. S. L. xxiii. 619.
spec. indet., Etheridge.	.....		
Proto-euryale , F. Römer.			
confluentina, F. Römer.	 L.	Pelm, Gerolstein	Leonh. & Br. Jahrb. 1856, p. 233.
Ptilonaster , Hall, 1866-67.			
princeps,' Hall.	Chem. U.	Courtlandville (New York)	XX. Rep. Regents N. Y. p. 11.
Pyxidocrinus , Müller.	Actinocrinus.		
Prumiensis, Müller.	 L.	Prum (Eifel)	Abhandl. Ak. Wiss. Berlin, 1856, p. 253
Rhodocrinus , Miller and Goldf.	Austin, 1821. Gilbertocrinus , Phill.		
canaliculatus, Goldf.	.....	?	
crenatus, " Stage 5	Eifel.	Bronn, Lethæa Geogn. i. 242.	
gonatodes, Wirtgen.	Spirif. Sandst., L. ...	Langenschied, Eppenrod, Pelm, Niederlahnstein.	Sndbrgr. Verstein. Nassau, p. 391.
Halli,' S. S. Lyon.	Crinoid. bed. U.	Beargrass Creek (Kentucky).....	Proc. Acad. Nat. Sci. Philad. 1861, p. 412.
quintelobus, L. Schultze.	 M.	Kerpen	Denkschriften Akad. Wiss. xxvi. 169.
spinusos,' Hall.	Ham. Shale, M.	Ontario Co. (New York)	XV. Rep. Regents N. York, p. 127.
tortuosus, Ad. Röm.	Sandstone, L.	Rammelsberg (Harz).....	Verstein. Harz, 1843, p. 9.
verus, Goldf.	Marly Limest., M., U.	Volkhoff, Grund (Harz), Nowa Slupia (Poland).	Eichwald, Lethæa Ross. i. 599.
spec. indet., T. M. Hall.	 U.	Branton (N. Devonshire)	Quart. Journ. G. S. L. xxiii. 379.
" Rouault.	 L.	Gahard, France	Bull. Soc. Géol. Fr. n. s. iv. 323.
" Wirtg. & Zeiler.	 L, M. ...	Pelm, Gerolstein	Leonh. & Bronn, Neues Jahrb. 1856, p. 233.
Scyphocrinus , Zenker, 1833.	non Scyphocrinus , Hall, 1847. Schizocrinus , Hall.		
elegans, Zenker.	Ortboe. Limest., U.	Elbersreuth (Franconia)	Münst. Beiträge &c. iii. 112.
Sphaerites , E. Forbes.	Echinosphæronites , Wahlb., 1821. (Cystidea.)		
tessellatus, De Vern.	Limestone, M.	River Jolva (Altai), Newton Bushell, Plymouth.	Morris, Cat. 79; Murch., Vern. & Keyserl. Geol. Russ. ii. 381.
Synbathocrinus , D. D. Owen, Phill., 1836.		Stylocrinus , Sandberger.	
matutinus,' Hall.	Ham. Calc. Shale, M.	New Buffalo (Iowa)	Hall & Whit. Geol. Iowa, i. 482.
tabulatus, Wirtg. & Zeiler.	 L, M. ...	Coblentz, Lahnstein, Kerpen, Gerolstein	Abbaudl. Ak. Wiss. 1856, p. 257.
var. depressus, Müll.	Limestone, M.	Gerolstein	" " "
Taxocrinus , Phillips, 1843.	Subgenus of <i>Rhodocrinus</i> , = Isocrinus , Phill., non Meyer.		= Cladocrinus , Austin. [354.
affinis, H. Müll.	 M.	Kerpen and Gerolstein (Eifel)	Monatsb. Ak. Wiss. Berl. 1856, pp. 353,
Briarius, L. Schultze.	 M.	Gerolstein	" " "
gracilis,' M. & W.	Ham. M.	New Buffalo (Iowa)	Hall & Whit. Geol. Rep. Iowa, i. 142.
interscapularis,' Hall.	Ham. Sb. M.	" " "	482.
juglandiformis, L. Schultze.	 M.	Gerolstein	Monat. Ak. Wis. Berl. 1856, pp. 353, 354.
limbatus, H. Müll.	 L ?	" " "	" " "
lobatus, " "	 L.	" " "	" " "
Rhenanus, Ad. Röm.	Spirif. Sandst., L. ...	Haigerseelbach, Laubachthal, Niederlahnstein, &c.	Sandberger, Verstein. Nassau, p. 393.
spinusos, H. Müll.	 M.	Gerolstein	Monatsb. Ak. Wiss. Berl. 1856, pp. 353, 354.
ventricosus, " "	 L.	Prum (Eifel)	" " "
Technocrinus , Hall, 1859.	Subgenus of Mariocrinus , Hall, 1859.		
Andrews,' Hall.	Oriskany Sandst. ...	Cumberland Co. (Maryland)	Hall, Palæont. New York, iii. 141.
sculptus,' " "	" " "	" " "	" " " 143.
spinulosus,' " "	" " "	" " "	" " " 140.
striatus,' " "	" " "	" " "	" " " 142.
Tiarocrinus , L. Schultze, 1867.			
quadrifrons, L. Schultze.	Limestone, M.	Nollenbach by Kerpen (Eifel)	Monatsb. Ak. Wiss. Berl. 1856.
Trematocrinus , Hall, 1860 = ? Goniasteroidocrinus , Meek, 1865.			
spinigerus,' Hall.	Ham. Shale, M.	Ontario Co. (New York)	XV. Rep. Regents N. York, p. 128.
Triacrinus , Müller, 1839 (from Bronn) = Trichocrinus , Müll. Pisocrinus , Koninck, 1858.			
altus, Müll.	Eifelian stage 5, M.	Kerpen	Denkschr. &c. Wien, xxvi. 221.
depressus, " "	 M.	" near Hillesheim	" " " 220.
granulatus, Münt.	Clymen. Limest., U. ...	Schübelhammer (Franconia)	Beiträge &c. i. 33, iii. 111.
polyodonta, Ad. Röm.	Wissenb. Sch., L. ...	Bockswiese (Harz) (Iron pyrites), Lerbach (Harz).	Palæont. D. & Von M. v. 18, xiii. 224.
pyriformis, Münt.	Clymen. Limest., U.		
quadrifrons, L. Schultze.	Limestone, M.	Nollenbach (Kerpen).....	Monatsb. Ak. Wiss. Berl. 1856.
Vasocrinus , Lyon. See Cyathocrinus .			
Zeacrinus , Troost, 1849.			
excavatus, L. Schultze.	 M.	Kerpen, rare	Denkschr. Ak. Sc. Wien, xxvi. 154.

SUBKINGDOM ANNULOSA. PROVINCE ANNULATA. CLASS ANNELIDA.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.	
Cornulites , <i>Schlotheim</i> , 1829.				
flexuosus, Dawson.	Oriskany Sandst., L.	Nictau (Nova Scotia).....	Canad. Nat. & Geol. v. 140.	
spec. indet., T. M. Hall.	U.	Top Orchard Quarry.....	Quart. Journ. G. S. L. xxiii. 379.	
Ditrupa , <i>Berkeley</i> .				
Devonica, Ryckh.	Drift	Prum (Eifel)	Mélang. Pal. Ac. Roy. xxiv. 125.	
Ortonia .				
intermedia,' Nichols.	Ham. ....M.	Bartlett's Mills, Arkona (Canada W.) [brokeshire].	Geol. Mag. ser. 2, i. 199.	
Serpula , <i>Linnaeus</i> , 1756.				
advena, Salter.	M.	Sandtap Bay and West Angle (Pemb.)	Quart. Journ. G. S. L. xix. 496.	
Ammonia, Goldf.	M., U.	Couvin (Belgium)	D'Hailloy, Précis Géol. 1868, p. 576.	
corniculum, Sndbrgr.	Stringoc. ....M.	Vilmar	Verstein. Nassau, p. 38.	
Devonica, Helmers.	(blue Clay), M.	Konkolodes (river Don), Korti-Schitze	Helm. Beiträge &c. 1858, p. 107.	
epithonia, Goldf.	M.	Bensberg, Paffrath	Trans. G. S. L. n. s. vi. 402.	
lirata, Sndbrgr.	Stringoc. Limest., M.	Vilmar, Nowa Slupia, Poland	Zeit. &c. Berl. xxi. 267.	
omphalodes, Goldf.	L., M.	Kipet, Marnia, Ilmen, Pskoff, Ferrones, Ferques, &c.	Bull. Soc. Géol. Fr. n. s. vii. 161.	
"	Ham. ....M.	Little Traverse Bay (Lake Michigan)	Winch. Rep. Mich. 1866, p. 97.	
semiplicata, Sndbrgr.	Stringoc. ....M.	Vilmar	Verstein. Nassau, p. 38.	
sica, Salter.	Dark Sch., L.	Warm Bokkeweld (Cape of G. Hope)	Trans. G. S. L. ser. 2, vii. 205.	
undulata, Sndbrgr.	Orthoc. Sch., U.	Wissenbach	Verstein. Nassau, p. 39.	
new species, Holl.	L.	Looe (Cornwall)	Quart. Journ. G. S. L. xxiv. 451.	
spec. indet., " "	U.	Petherwin (East Cornwall)	" " 417.	
"	Sndbrgr.	Stringoc. ....M.	Lahnstein (Nassau)	Verstein. Nassau, p. 39.
Serpularia , <i>Adolph. and F. Römer</i> , 1843, <i>H. Müller</i> .				
bicrenata, Münst.	Orthoc. Limest., U.	Elbersreuth (Franconia)	Beiträge &c. 1843, iii. 115.	
centrifuga, Ad. Röm.	Iberger Limest., U.	Grund	Palæont. D. & Von M. xiii. 231.	
circinalis, D'Orb.	M.	Eifel	D'Orb. Prodromus, i. 66.	
crenata, Münst.	Orthoc. Limest., U.	Elbersreuth	Beiträge &c. iii. 115.	
spec. indet., Boniss.	L.	Le Cotentin (France)	Cherb. Soc. Nat. Hist. Mém. x. 200.	
Spirorbis , <i>Lamarck</i> , 1818.				
Ammon, Winch.	Ham. ....M.	Acervularia Beds, Little Traverse Bay	Geol. Rep. Michig. Append. 1866, p. 97.	
Ammonia, Desh.	Stringoc. ....M.	Vilmar, Gerolstein, Welikaja and Duna Valleys.	Verstein. Nassau, p. 36; Grewingk. Geol. Livonia, p. 34.	
angulatus,' Hall.	Ham. Sh. ....M.	Darien, Ontario Co. (New York).....	XV. Rep. Regents N. York, p. 112.	
annulatus,' " "	M.	" ?	" ?	
Arkonensis,' Nichols.	Ham. ....M.	Bartlett's Mills, Arkona (Canada W.)	Geol. Mag. ser. 2, i. 199.	
gracilis, Sndbrgr.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 36.	
obesa,' Winch.	Acervul. bed, M.	Little Traverse Bay (Lake Michigan)	Geol. Rep. Michigan, p. 188.	
Siluriensis, Eichw.	.....	Bourighi, Gov. Novgorod (on Brachiop.)	Lethæa Rossica, i. 668.	
tenuis,' Schohar.	Grit, L.	Wisconsin ?	Fost. & Wh. Rep. on South L. Superior	
spec. indet., Dawson.	Plant-beds, M.	Gaspé (Canada East).....	Canad. Nat. & Geol. v. 13.	
Styliola , <i>Lesueur</i> .				
bicaniculata, Ludw.	Cramenzel, U.	Pauschenberger, Mill, Mandersbach, [Oberscheldt.	Palæont. D. & Von M. xi. 320.	
crenato-striata, " "	in Clay-slate, U.	Beidenkopf (Hesse-Cass.), Burg-Solms (Nassau), Herzenheim.	" " xi. 320.	
fibrata, " "	Cramenzel, U.	Saalfeld	" " xi. 320.	
internissa, " "	" U.	Eisenroth	" " xii. 520.	
lubrica, " "	" U.	Beidenkopf, Mandersbach.....	" " xii. 319.	
Richter, " "	Calc. Sch. ....U.	" Hatzfeld, Sixfeldt, Oberscheldt, &c.	" " xi. 321.	
tenuicinctum, Ad. Röm.	" U.	Beidenkopf, Hatzfeld, Weilburg, Ust-Uchta.	" " xi. 320.	
Tentaculites , <i>Schlotheim</i> , 1820, = Pteropoda ,				
acicularis, Ad. Röm.	Iberger Limest., U.	according to Profs. Sandberger and Bockweise (Harz)	Tietze. Incertæ sedis, Bronn. Palæont. D. & Von M. v. 37, xiii. 230.	
acuarius, ?	U.	Saalfeldt (Thuringia)	Leonh. & Bronn, Neues Jahrb. 1854.	
alternans, Ad. Röm.	Spirif. Sandst., L.	Schalke (Harz)	Verstein. Harz, 1843, p. 36.	
anglica, Salter.	?	Rhine borders	Trans. G. S. L. ser. 2, vii.	
annulatus, Schlö.	Cyprid. Sch., Stringoc.	Cedar Mountains, S. Africa, Bunteboch, Torq., Petherwin, Kehrzu, Schalke, Kielce, Bosphorus, &c.	Palæont. D. & Von M. xiii. 225; Quart. Journ. G. S. L. ix. 1, For. Mem.	
cancellatus, Richt.	Cramenzel, U.	Hesse and Nassau	Palæont. D. & Von M. xi. 315, 318.	
conicus, Ad. Röm.	Wissenb. Sch., L.	Festenburg (Harz).....	" " iv. 80, xiii. 225.	
crocalinus, Salter.	Grey rock, L.	Warm Bokkeweld (Cape of G. Hope)	Trans. G. S. L. n. s. vii. 205.	
durus, Ludw.	Orthoc. Sch., L.	Uss-Thale (Bad Nauheim), Hesse	Palæont. D. & Von M. xi. 318.	
fissurellus,' ?	Marcell. Sh., M.	New-York State	XIV. Rep. Regents N. York, p. 26.	
Geinitzianus, Richt.	.....	Thüringerwald	Leonh. & Bronn, Neues Jahrb. 1854.	
gracillimus, Sndbrgr.	Stringoc. ....M.	Vilmar	Verstein. Nassau, p. 250.	
lavigatus, Ad. Röm.	Wissenb. Sch., Cypr., Stringoc., L., M., U.	Ronneburg, Lautenthal, Kehrzu	Murch. Silur. ed. 4, p. 385.	

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
<i>minimus</i> , <i>multiformis</i> ,	Ad. Röm. Sndbrgr.	Wissenb. Limest., L. Zorge? Cypr. Sc., Cramen., U. Braunsfels, Weilminster, Wetzlar, Lambuschbach.	Palæont. D. & Von M. iii. 21, xiii. 211. Verstein. Nassau, 249, xix. 139.
<i>ornatus</i> , <i>annulatus</i> .	Sow.	L..... Kartal, Scutari, Viré, Nehou, Daun, South Africa.	D'Arch. Pal. Asia Minor &c. p. 97.
<i>pressurella</i> , <i>pupa</i> , <i>scalaris</i> ,	Schloth.	? ? ? ? Spirif. Sandst. &c., L., Ilfracombe, Kemmenau, Enspil, Kahleberg, Cedarberg, S. Africa, Prum, Menzenberg (Dr. Krantz).	Leonh. & Bronn, Neues Jahrb. 1854. Quart. Journ. G. S. L. xxiii. 619; Verst. Nassau, p. 248.
<i>striatus</i> . <i>Styliola Richteri</i> .	Richt.	Cramenzel, U. Saalfeld	Palæont. D. & Von M. xi. 321.
<i>subcochleatus</i> ,	Sndbrgr.	Orthoc. Sch., L. Wissenbach, Cramberg (Nassau)	Verst. Nass. p. 259; Pal. D. & Von M. xi. 315.
<i>subconicus</i> , <i>subtilis</i> , <i>sulcatus</i> ,	Geinitz. Winch. Ad. Röm.	L..... Ronneburg, Plauen (Saxony) Ham. ....M. Bryozoa bed, Little Trav. Bay (L. Mich.) Spirif. Sandst., L. Manderbach, Schalke, Wissenbach, &c.	Murch. Silur. ed. 4, p. 385. Geol. Rep. Michig. Append. 1866, p. 92. Verst. Harz, p. 37; Pal. D. & Von M. xiii. 331.
<i>tenuicinctus</i> , <i>Styliola</i>.	.....	String., Clymen. Sch., M., U. Oberscheld, Weilburg (Harz)	Palæont. D. & Von M. iii. 28, xiii. 230.
<i>tenuis</i> ,	Sow.	Wissenb., Cypr. Sch., L., U. Lautenthal, Plauen, Voroneje (Russ.), Zeulenrode (Saxony?).	Geol. Russ. MKV. ii. 382; Geinitz, Grauwacke Sachsen, p. 72.
<i>tuba</i> , <i>typus</i> , <i>spec. indet.</i> ,	Richt.	Cramenz., Cypr. S., U. Saalfeld (Thuringia)	Palæont. D. & Von M. xi. 314.
"	Boniss.	L..... La Manche, La Sarthe	D'Archiac, Palæont. de Fr. pp. 45, 46.
"	D. D. Owen.	Ham. ....M. Rockingham (Iowa)	Report on Minnesota &c, p. 624.
"	?	Gahard (France)	Bull. Soc. Géol. Fr. iv.
"	Kayser.	Cultijugata-Stufe, M. Eifel	Zeitschrift &c. 1871, p. 368.
"	.....	.....L..... Woodabay, Lee, Vall. of Rocks (Devon.)	Quart. Journ. G. S. L. xxiii. 397.
"	Meek.	Ham. Gr ^p , M. Liard river-mouth (river Mackenzie), N.N.W. America.	Trans. Acad. Sci. Chicago, i. 69.

SUBKINGDOM ANNULOSA. PROVINCE ARTICULATA. CLASS CRUSTACEA. ORDER TRILOBITA.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Acidaspis , Murchison, 1839.	Odontopleura , Emmerich, 1843.		
<i>elliptica</i> , Burm.	M.	Eifel	Burmeister. Organ. der Trilob. p. 73.
<i>horrida</i> , Ad. Röm.	Wissenb. Sch., L.	Festenburg (Ilsenburg), Klosterholz...	Palæont. D. & Von M. iii. 81, xiii. 207.
<i>sp. indet.</i> , Sndbrgr.	L.....	.....	Verstein. Nassau, p. 24.
Arges , Goldfuss, 1839.		?	Dana, Manual, 1875, p. 285.
<i>arnatus</i> ,			
Asaphus , Brongniart, 1822.	Isotelus (Dekay), Basilicus, &c.		
<i>? acantholeurus</i> , Conrad.	UHL. ....L.....	Schoharie Co. (east New York)	XV. Rep. Regents N. York, p. 113.
<i>brevis</i> , Münst.	Clymen. Limest., U.	Schübelhammer, Pressek	Beiträge &c. iii. 39.
<i>Cawdori</i> , "	U.....	Elbersreuth	38.
<i>? denticulatus</i> , "	UHL. ....L.....	Schoharie Co.	XV. Rep. Regents N. York, p. 113.
<i>Hausmanni</i> , Brongn.	L.....	Kemmenau, Kalstein (Bohemia), Lake Erie (New York).	Trans. G. S. L. n. s. vi. 381.
<i>? laeviceps</i> , Dalm.	Red Limest., ? U.	Thuringia	Richter, Beitr. Pal. Thuring. p. 22.
<i>pusillus</i> , Münst.	U.....	Schübelhammer, Pressek	Münst. Beitr. &c. iii. 39.
<i>Zinkeri</i> , Ad. Röm.	L.....	Scheerenstieges in Selkthal	Verstein. Harz, p. 38.
<i>spec. indet.</i> , Phill.	L.....	Hope's Nose (Torquay)	Palæozoic Foss. Devon. p. 130.
Bronteus , Burmeister, 1843.	Brontes .		
<i>alternans</i> *, Ad. Röm.	Clymen. L'st., M., U.	Buckenbergr, near Elbingerode, &c.	Palæont. D. & Von M. v. 24, xiii. 228.
<i>Barrandei</i> , Hébert.	L.....	Roequigny (France)	Bull. S. G. Fr. n. s. xii. 1184.
<i>Brongniarti</i> , Barr.	L.....	Sablé (France), Bohemia (Verneuil)...	"
<i>canaliculatus</i> , Goldf.	Limestone, M.	Eifel, Winterberg (Grund)	Leonh. & Br. Neues Jahrb. 1843, p. 558.
<i>costatus</i> , Münst.	U.....	Elbersreuth &c.	Beiträge &c. 11eft iii. 41.
<i>flabellifer</i> , Goldf.	Stringo., Famenne Sc., Tereb. cuboides bed, Torquay, &c.	Bogoslofsk, Sandomir, Elbersreuth, Torquay, &c.	Phill. Pal. Foss. Dev. p. 131; Ad. Röm. Verst. Harz, p. 47 &c.
<i>Gervillei</i> ?, Barr.	Dark Limest., L.	Eifel	Pictet, Palæont. ii. 526.
<i>glabratus</i> , Ad. Röm.	Dark Limest., L.	Scheerenstiege (Selkthales)	Ad. Röm. Verst. Harz, p. 37.

* Also Stringoc. Limest., Cyprid. Sch., Iberger Limest.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
<i>grandis</i> , Münst.	U.	Elbersreuth	Beiträge Petref. iii.
<i>granuliferus</i> , Phill.	M.	Ogwell (G.-Austen)	Trans. G. S. L. ser. 2, vi.
? <i>granulosus</i> , Goldf.?	Stringoc. ....M.	Harz	Palæont. D. & Von M. iii. 109.
<i>insignatus</i> , Beyr.	Limestone, M.	"	" 111.
<i>intermedius</i> , Goldf.	" M.	Eifel, Hope, Newton	Leonh. & Br. Neues Jahrb. 1843, p. 544.
<i>intumescens</i> , Ad. Röm.	Black Limestone	Riesbach, Mid-Schulenberg (Harz)	Palæont. D. & Von M. iii. 75, xiii. 232.
<i>lacinatus</i> , Sndbrgr.	Orthoc. Sch., L., M.	Steinberg, Cramberg, Wissenbach, &c.	Verstein. Nassau, p. 482.
<i>macrocephalus</i> , Ad. Röm.	M.	Harz.	
<i>minor</i> , "	Wissenb. Sch., M.	Zeigenberg-Teiche, Hutthales, Zorge, &c.	Palæont. D. & Von M. iii. 19, xiii. 209.
<i>Neptuni</i> , Münst.	Clymen. black, U.	Schübelhammer, Elbersreuth	Beiträge Petref. iii. 41.
<i>radiatus</i> , "	Orthoc. Limest., U.	Elbersreuth (only)	" 40.
<i>scaber</i> , Goldf.	M.	Eifel	Pictet, Palæont. ii. 526.
<i>signatus</i> , Phill.	Dachschiefer, U.	Buntenboch (Eifel?)	" ii. 526.
"	Goldf. Clymen. Limest., U.	Schübelhammer	Ad. Röm. Verstein. Harz, 1843.
<i>subradiatus</i> , Münst.	Limestone, U.	Elbersreuth (only)	Beiträge Petref. iii. 41.
Bumastus , Murchison, 1839.	Bumastes , <i>Burmester</i> , 1843.		
<i>Francicus</i> , Münst.	U.	Elbersreuth only (Upper Franconia)	" 42.
? <i>planus</i> , "	U.	"	" 43.
Calymene ?, Brongniart, 1822.	No <i>Calymene</i> exists in Europe (Ferd. Röm. MSS. Breslau).		
<i>articulata</i> , Münst.	Clymen. Limest., U.	Elbersreuth	Beiträge Petref. iii. 38.
<i>Chrystii</i> , Hall.	?	"	"
<i>concinna</i> , Dalm.	U.	Eifel, Herborn (Nassau), Hausdorf (Carb.).	Trans. G. S. L. ser. 2, vi. 381.
<i>hydrocephala</i> , Ad. Röm.	Dark Limestone	Scheerenstiege (Selkthal)	Verstein. Harz, 1843, p. 38.
<i>intermedia</i> , Münst.	Orthoc. Limest.	Elbersreuth	Beiträge Petref. iii. 35.
<i>platys</i> , Green.	Scholarie Gr ^p , L.	Scholarie Co. (Helderberg Mounts.)	XIII. Rep. Regents New York, p. 82.
<i>propinqua</i> , Münst.	U.	Elbersreuth (Upper Franconia)	Beiträge Petref. iii. 38.
<i>rugosa</i> , Worth.?	L.	Clear Creek, Bailey's Landing (Miss.)	Geol. Illinois, i. 128.
<i>subvariolaris</i> , Böck.	L.	Elbersreuth, Barton (Devonshire)	Beiträge Petref. iii. 34.
Cheirurus , Beyrich, 1845.	Ceraurus , Green, 1833.	Subgenus Crotalocephalus , Salter, 1853.	
<i>articulatus</i> , Münst.	M.	Torquay, Newton B. Barton, Ogwell.	Salter, Mem. Geol. Surv. Dec. vii. 10.
<i>gibbus</i> , Beyr.	Stringoceph., M.	Heilburg, Elbingerode, Barton	Sandberger, Verstein. Nassau, p. 19.
<i>myops</i> , Ad. Röm.	" M.	Buckenberg (Harz)	Palæont. D. & Von M. iii. 65, v. 24.
<i>spec. indet.</i> , De Vern.	L.	Pera (the Bosphorus)	Bull. Soc. Géol. Fr. n. s. ix. 496.
"	Stringoc. Limest., M.	Buckenberg (Harz)	Palæont. D. & Von M. iii. 85.
"	U.	Barnstaple (Devonshire)	Trans. G. S. L. n. s. vi. 725.
Cryphæus , Green, 1837.	Peltura .	Pleuracanthus .	
<i>Abdullahi</i> , D'Arch. &c.	Clay-slate, L.	Nehou, Bosphorus	Comptes Rendus, lxiv. 1218.
<i>Asiaticus</i> , F. Röm.	L.?	Guenk-soi valley	D'Arch. Pal. Asia Minor, Append. p. 3.
<i>pectinatus</i> , Stein.	Calceol. Sch., M.	Kartal	" p. 22.
<i>punctatus</i> , "		Eifel, Courtoisnières, Chassegrain, &c. (France).	Comptes Rendus, lxiv. 1218.
<i>lacinatus</i> , Ad. Röm.	Spirif. Sandst., L.	Kalleberg, Waxweiler, Daleiden, Tchoubuklu (Bosphorus).	Zeitschrift &c. 1871, p. 365.
<i>sublacinatus</i> , "	L.	Viré, Nehou, Joué, Izé, La Cormerie, &c.	"
<i>spec. indet.</i> , Vanux.	Ham. ....M.	(Ludlowville), Otsego Lake (N. York)	Vanux. Geol. N. York, pp. 156, 157.
Cylindraspis , Sandberger, 1853.	Proetus .	Phillipsia , Portlock.	
<i>latispinosus</i> , Sndbrgr.	.....	Erdbach, Arnsberg, Clausthal, Goldenhausen.	Verstein. Nassau, p. 33.
<i>macrophthalmus</i>, "	.....	Dillenberg (Nassau)	Museum Teylerianum, p. 110.
Cyphaspis , Burmeister, 1843.	Stringoc. Ironst., M.	Weilberg, Gerolstein, Selkthale	Sandberger, Verstein. Nassau, p. 23.
<i>ceratophthalma</i> , Goldf.	L.	St. Aubin du Cormier, Gahard, D'Izé	Bull. Soc. Géol. Fr. n. s. viii. p. 382.
<i>Gualtieri</i> , Rouault.	U.?	Scheirenstieges (Harz)	Palæont. D. & Von M. v. 7.
<i>hydrocephala</i> , Ad. Röm.	Wissenb. Sch., L.?	Harz	" iii. 82.
<i>longe-cornuta</i> , "	" M.	Festenburg, Lerbach (Harz)	" iii. 82.
<i>spinulosa</i> , "	Stringoc. ....M.	Buchenberg (Harz)	" v. 24, xiii. 228.
<i>truncata</i> , Sndbrgr.	Orthoc. Sch., L.	Cramberg (Nassau)	Sandberger, Verstein. Nassau, p. 482.
<i>spec. indet.</i>, "	.....		
Dalmania , Emmerich, 1843.	Cryphæus , Green.	Phacops , Emmerich. Acaste , Goldfuss, 1843.	
<i>adspectans</i> , Hall.	UHL. ....L.	Scholarie Co. (Helderberg Mounts.)	XIII. Rep. Regents N. York, p. 88.
<i>Ægeria</i> , "	"	Williamsville, Clarence Hollow, Chittenango.	" p. 85.
<i>Anchiops</i> , Green.	"	Scholarie Co. (Helderberg Mounts.), North Cayuga (Canada West).	" p. 83.
<i>var. armata</i> , Hall.	"	Scholarie Co. (Helderberg Mounts.)	" p. 84.
<i>bifida</i> , "	"	Stafford (New York), Virginia?	" p. 91.
<i>Boothia</i> , Ham.	M.	"	"
<i>calliteles</i> , Green.	Tully L'st., M.	N. York, Can. W., Grand Tower (Miss.), Aviles &c. (Spain), Viré (France).	Bull. S. G. Fr. n. s. x. 127; Dana, Man. p. 286; D'Arch. Pal. France, p. 45.
<i>Calypso</i> , "	UHL. ....L.	Ohio Falls (Kentucky)	XIII. Rep. Regents N. York, p. 89.
<i>coronata</i> , "	L.	"	" p. 86.
<i>Dana</i> , M. & W.	Clear Creek L'st., L.	Thebes (Alexander Co., Illinois)	M. & W. Geol. Illinois, i. 127.
<i>Erina</i> , Green.	UHL. ....L.	Williamsville (New York)	XIII. Rep. Regents N. York, p. 90.
<i>Helena</i> , "	"	Columbus (Ohio)	" p. 89.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
laciniata,	De Vern.	L., M., U.	Chimay (Belg.), Chillon, Guadalupe (Spain), the Rhine.	Bull. Soc. Géol. Fr. n. s. xii. 999.
macrops,	Hall.	UHL. ....L.	Schoharie Co. (New York)	XIII. Rep. Regents N. York, p. 87.
myrmecophorus,	"	L.	"	" p. 88.
Ohioensis,	Meek.	Cornif. Limest., L.	Marblehead (Ohio)	Proc. Acad. Nat. Sci. Phil. 1871, p. 91.
Pleionia,	Hall.	UHL. ....L.	River-Ohio Falls	XIII. Rep. Regents N. York, p. 90.
punctata,	Stein	Boulders ...U.	Thüringerwald	Leonh. & Br. Neues Jahrb. 1856, p. 625.
selenurus,	Conrad.	Cornif. Limest., L.	Louisville (Kentucky), Schoharie and Auburn Counties (New York).	XIII. Rep. Reg. N. Y. p. 84; Yandel & Sh. Contrib. Kentucky, p. 33.
stellifer,	Burm.	Spirif. Sandst., L.	Guadalperal, La Sarthe Department, Eifel.	Bull. Soc. Géol. Fr. n. s. xii. 1000.
sublaciniata,	De Veru.	L.	La Manche, La Sarthe, Cotentin (Fr.), Almaden &c. (Spain).	" " 999.
tridentifera,	Worth.	Clear Creek L'st., L.	Bailey's Landing (Missouri)	M. & W. Geol. Illinois, i. 128.
spec. indet. (2).'	"	Cornif. Limest., L.	Canada West	Geol. Canada, 1863, p. 361.
"	Boniss.	Green Sandst., L.	Perques (La Manche)	Mém. Soc. Sci. Nat. Cherb. x. 177.
"	Sndbrgr.	Orthoc. Sch., L.	Cramberg (Wissenbach)	Verstein. Nassau, p. 482.
Ellipsocephalus , Zenker, 1833.				
Hoffii, var. pygmaeus.		U.	Beraun (Bohemia), Schübelhammer	Münst. Beiträge Petref. v. 114.
Gerastos , Goldfuss, 1843.				
levigatus,	Goldf.	M., U.	Couviu (Belgium)	D'Hallo, Préc. de Géol. 1868, p. 576.
Harpes , Goldfuss, 1841.				
gibbosus,	Münst.	U.	Schübelhammer (Fraucouia)	Beiträge Petref. iii. 47.
gracilis,	Sndbrgr.	Cyprid. Sch. &c., U.	Eibach and Laubuseckbach (Nassau)	Verstein. Nassau, p. 28.
macrocephalus,	Goldf.	Clymen. L'st., M., U.	Oberscheld, Elbersreuth, Oggwell, Plymouth, &c.	Siluria, ed. 4, p. 278.
reflexus,	Hœningh.	M.	Eifel (adhering to a <i>Cyathophyllum</i>)	Leonh. & Br. Neues Jahrb. 1849, p. 370.
speciosus,	Münst.	U.	Elbersreuth only	Beiträge Petref. iii. 43.
spec. indet.,	Tietze.	Goniatis. Limest., U.	Klosterholz (Ilseburg) ?	Palæont. D. & Von M. iii. 61?
Homolanotus , König, 1825.			Burmeisteria , S. alter. Dipleura , 1833. Trimerus , Green &c. 1833.	
Alreudi,	Ad. Röm.	Spirif. Sandst., L.	Adensburg (Harz), Coblenz &c., river Rhine.	Verstein. Harz, 1843, p. 39; Siluria, ed. 4, p. 395.
armatus,	Burm.	" and Clay-slate, L., M.	Houffalize (Ardennes), Daun, Harz...	Verstein. Harz, 1843, p. 398.
Barrandei,	Ad. Röm.	Spirif. Sandst., L.	Rammelsberg & Sophienhutte (Harz).	
Brongniarti,	Rouault.	L.	La Manche, Le Cotentin	Mém. Soc. Nat. Hist. Cherb. x. 200.
Buchii,	De Vern.	L.		
crassicauda,	Sndbrgr.	Spirif. Sand., L.	Aubrie, Gladenbach, Coblenz, Lahnstein, &c.	Bull. Soc. Géol. Fr. n. s. xiv. 371; Verstein. Nassau, p. 27.
Dekayi,	Hall.	Ham. Chem., M., U.	Sherburne, Cherry valley, Cazenovia (New York), &c.	Vanux. Geol. New York, pp. 151-156.
elongatus,	Salter.	Sandst.....L.	Meadsfoot (S. Devon), Rozendale (Cape Good Hope).	Monogr. Palæont. Soc. 1864, p. 122.
Forbesii,	Rouault.	L.	St. Sauveur la Vicomte, Pontaux-Bouchiers, &c.	Mém. Soc. Nat. Hist. Cherb. x. 186; Bull. Soc. Géol. Fr. n. s. xii.
Gervillei,	Vern.	L.	Le Cotentin, St. Ceneré, La Cormerie, Viré, Izé, Nehou, Kanlydji, &c.	Bull. Soc. Géol. Fr. n. s. vii. 778; Tchihatcheff, Asia Minor, Append. p. 17; D'Archiac, As. Min. p. 1.
gigas,	Ad. Röm.	Spirif. Sand., L., M.	Rammelsberg ? , Kahleberg (Harz)	Verstein. Harz, p. 39; Palæont. D. & Von M. xiii. 222.
Hausmanni,	Rouault.	L.	Izé, La Sarthe, La Manche, Gydow Pass, &c. (S. Africa).	Bull. Soc. Géol. Fr. n. s. viii. 379; Quart. Journ. G. S. L. ix. For. Mem.
<i>Asaphus</i> ,				
Herschellii,	Phill.	Sandst.....L.	Meadsfoot (S. Devon)	Phill. Palæont. Foss. Dev. p. 253.
Knightii,	König.	L., M.	Nehou, Torquay, Dauu, Altenahr, Braubach.	Trans. G. S. L. n. s. vi. 381.
latifrons,	Ad. Röm.	.....	Kahleberg	Palæont. D. & Von M. v. 15.
Legraverendi,	Rouault.	L.	Gahard, Izé, St. Sauveur, LeVicomte	Bull. Soc. Géol. Fr. n. s. viii. 381.
longicaudatus,	Vern.	L.	Kanlydji (Bosphorus)	D'Archiac, Palæont. Asia Minor, p. 2.
minor,	Ad. Röm.	Spirif. Sand., L.	Schalke, Rammelsberg (Harz)	Palæont. D. & Von M. iii. 70, xiii. 222.
obtus,	Sndbrgr.	" Orthoc.	Wissenbach, Waxweiler, Daleiden, &c.	Verstein. Nassau, pp. 26, 484.
<i>Naumanni</i> .		Sch., L.		
planus,	"	Spirif. Sand., L.	Caub (St. Goarhausen. Rhen. Prussia)	Siluria, 4th ed. p. 395.
Pradoanus,	Vern.	L.	Vallengrillo, Colle, Sabero, Alcocer (Andalusia).	Bull. Soc. Géol. Fr. n. s. vii. 159, xii. 190, 1000.
punctatus,	Ad. Röm.	Spirif. Sand., &c., L., M., U.	Caub (Schists), St. Goarhausen, Iberg, Rammelsberg.	Verstein. Harz, 1843, p. 39.
Salteri,	Vern.	L.	Kartal	Tchihatch. Asia Minor, Append. p. 10.
Sandbergerii,	?	Spirif. Sand., L.	Vireux (river Meuse, Belgium)	Prof. Gosselot, MS.
Schusteri,	Vern.	" L.	Kahlenberg, St. Andreasberg (Harz)	Palæont. D. & Von M. v. 14.
subtyrannus,	Vern. & D'Arch.	L.	Waxweiler, Daleiden	Trans. G. S. L. n. s. vi. ?
spec. indet.,	Kaysers.	L.	Stadfeldt, Dauu (Eifel)	Zeitschrift &c. 1871, p. 365.
Ilænus , Dalman, 1827.			Bumastus , Nilæ us, <i>Dalm.</i> 1826. Entomostracites , Wahlenberg, 1821.	
articulata,	Münst.	Clym. Limest., U.	Elbersreuth	Beiträge, &c. iii. 38.
concinua,	Dahu.	" U.	Eifel	"
crassicauda,	"	" (grey), U.	Pressek (Bavaria)	Münst. Beiträge &c. iii. 39.
spec. indet.,	Shumard.	Orisk. Saud., L.	Saline Creek (Missouri)	Trans. Ac. Sc. St. Louis, i. 409.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Ionotus , <i>H. von Meyer</i> , 1851. reflexus, H. von Meyer.	Grauwacke	Eifel	Palaeont. D. & Von M. i. 182.
Lichas , <i>Dalman</i> , 1826. armatus, Hall.	Platynotus , <i>Conrad</i> . UHL. ....L.....	Metopias , <i>Eichwald</i> . Nuttiana , Williamsville (New York), Schoharie Co.	<i>Portlock</i> . XV. Reg. Regents N. Y. p. 109.
crassirhachis, Ad. Röm.	M.	Buchenberg (Harz)	Palaeont. D. & Von M. iii. 64, xiii. 228.
grandis, Hall.	Schohar. Grit, L.....	Schoharie Co. (N. York)	XV. Rep. Regents N. Y. p. 110.
granulosa, Ad. Röm.	Stringoceph. M.....	Buchenberg (Elbingerode)	Palaeont. D. & Von M. iii. 85, v. 24.
spec. indet., Shum.	Oriskany Sand, L.....	Saline Creek (Missouri).....	Trans. Ac. Sc. St. Louis, i. 409.
Otarion , <i>Zenker</i> , 1833. elegans, Münst.	Griffithides , <i>Portl</i> . Clymen. Limest., U.	Phillipsia , <i>Portlock</i> . Schübelhammer (Franconia)	Beiträge &c. v. 115.
pygmaeum, "	U.	"	
spec. indet., "	Limest. boulder, U.	Thüringerwald	Leonhard & Bronn, Neues Jahrb. 1856. [p. 625.]
Phacops , <i>Emmerich</i> , 1839. Africanus, Salter.	Trimeroccephalus.....L.....	<i>M'Coy</i> , 1849. Dalmania , &c. Cedar Berg, Gydow Pass, Hottentot's Kloof (S. Africa). New York (passim), Isle Mackinac (Lake Huron). Albany Co., Helderb. Mountains..... Wissenbach, Hauseberg, Lerbach.....	Trans. G. S. L. n. s. vii. 205. Foss. & Wh. L. Superior (S. side), p. 124. XIII. Rep. Regents N. Y. p. 96. Verstein. Nassau, p. 14.
Anchiops, Green.	UHL. ....L.....	.....	
bombifrons, Hall.	"L.....	.....	
brevicauda, Sndbrgr.	Spirif. Sand., Wissenb. L.	.....	
bufo, Green.	UHL., Tully Limest., M.	Eifel, Grand Tower (Missouri), Helderb. Mountains, Rock Island, &c. (Ill.). Kentucky, Ohio, N. York, Virginia, Isle Mackinac.	XIII. Rep. Regents N. Y. p. 93; Geol. Pennsylv. p. 829; Winch. Rep. Mi- chig. p. 63.
cacopona, Hall.	L. or M.	Capon-River mouth (Virginia).....	XV. Rep. Regents N. Y. p. 96.
crassimarginata, D.D. Owen.	Ham. ....M.	New Buffalo, Parkhurst (Iowa), Louis- ville (Kentucky)	Owen, Minnes. &c. p. 599.
eristata, Hall.	Schohar. Grit, L.	Schoharie Co. (N. York)	XV. Rep. Regents N. Y. p. 95.
cryptophthalmus, Emmer.	L., M., U.	Torquay, Petherwin, Gattendorf, Weil- burg, Runkel, Pressek, Sandomir, Lohmberg, &c.	Richter, Verstein. Nassau, p. 15; Pa- laeont. Thuring. p. 20; Tietze, Pa- laeont. D. & Von M. xix. 126.
granulatus, Münst.	Wissenb. & Clym. Limest., L., M., U.	Zorge, Pressek, Schübelhammer, Meads- foot, Chagnay, Malagoziz (Poland).	Siluria, 4th ed. p. 386; Salter, Quart. Journ. G. S. L. xix. 484; Phil. Foss. Dev. p. 128.
incisus, Ad. Röm.	Iberg. Limest., U.	Rübeland (Harz)	Palaeont. D. & Von M. xiii. 212.
<i>trimeroccephalus</i> .			
Kaffir, Salter.	Soft Micac. bed, L....	Gydow pass, Leo Hook (S. Africa) ...	Trans. G. S. L. ser. 2, vii.
lacinatus, Ad. Röm.	Orth. Sch., Spirif. San., Calceol. Sch.	Haiger, Kemmenau (Nassau), Looe (Cornw.), Dill (Nassau), Boppart, Torquay, Petherwin, &c.	Ether. Quart. Journ. G. S. L. xxiii. 620. Sndbrgr. Verstein. Nassau, p. 63.
laevis, Münst.	Iberg. Limest., U.	Schülenberg, Torquay, Ilfracombe, Magey.	Palaeont. D. & Von M. v. 38; Ether. Quart. Journ. G. S. L. xxiii. 620.
latifrons, Bronn.	6 sediments, L., M., U.	Moscow, Buffalo (N. Y.?), Daleiden, Etraungt, Sanda bay, Pilton, Gerol- stein, Gahard, Zmeef, Condros, Al- maden (Spain), Skaly (Poland), &c.	Palaeont. D. & Von M. iii. 38, 61, xi. 312. Verstein. Nassau, p. 16; Siluria 4th ed. 385, &c.
var. <i>a</i> , Bronn?	.....	Eifel	Trans. G. S. L. n. s. vi. 381.
limbatus, Richter.	U.	Thüringerwald	Palaeont. Thuring. 1848, 1856, p. 21.
longe-caudatus?, Murch.	L.....	Kanlydji (Asia Minor)	Tchihatcheff, Asia Min. p. 495.
macrophthalmus, D.D. Ow.	Ham. ....M.	New Buffalo, Red Cedar river, Rock- ingham (Iowa), river-Ohio Falls, Louisville, Izé, Eifel, Zmeef, &c.	Trans. Ac. Sc. St. Louis, i. 620; Shu- mard, Contrib. p. 33.
"	Richter.	Cyprid. Sch., U.	Zeitschrift &c. xxi. 391.
mastophthalmus, "	"	"	
Michelini, Rouault.	L.....	Gabard, Izé (Fr.)	Bull. Soc. Géol. Fr. n. s. viii. 352.
micromma, Ad. Röm.	Wissenb. ....L.....	Upper Lerbach	Palaeont. D. & Von M. iii. 81.
nupera, Hall.	Chem. ....U.	New York	Contrib. Palaeont. N. Y. 1857, p. 91.
occidens, " Ham.	M.	New Buffalo (Iowa)	?
Pentlandii, Salter?	U.....	Aygatehi (Bolivia, S. Amer.)	Quart. Journ. G. S. L. xvii. 64.
rana, Green.	Ham. ....M.	Seneca, Ontario Co. (New York)	XV. Rep. Regents N. Y. p. 93.
Römeri, Geinitz.	Cyprid. Sch., U.	Grobsdorf (Saxony or S.W. Germany)	Verstein. Grauwacke Sax. p. 85.
stellifer, Burnmeister.	Spirif. Sand., L.....	St. Andreasburg (Harz)	Palaeont. D. & Von M. iii. 62.
subornatus, Ad. Röm.	Calceola. Sch., M.	Schalke, Oker (Harz).....	Verstein. Harz, 1843, p. 38.
spec. indet., Tietze.	Clymen. Limest., U.	Ebersdorf (Co. Glatz)	Palaeont. D. & Zeiler, xix. 126.
" (2)	Sandst. ....L.....	Gydow Pass, Leo Hook (S. Africa)...	Trans. G. S. L. n. s. vii. 205.
Proetus , <i>Steininger</i> , 1831. angustifrons, Hall.	Forbesia , <i>M'Coy</i> . Schoharie Grit, L.	Trigonaspis , <i>Sandberger</i> . Schoharie Co., Helderberg Mountains (N. Y.). Licking Co. (Ohio)	XV. Rep. Regents N. Y. p. 98. "
auriculatus, Barrandii, Ad. Röm.	Chem. Shale, U. Spirif. Sandst., Wis- senb. Sch., L., U.	Zeigenberger Teiche, Huththal	Palaeont. D. & Von M. iii. 20.
caniculatus, Hall.	UHL. ....L.....	Ohio falls (Kentucky)	XV. Rep. Regents N. Y. p. 101.
clarus, " U.	U.	Stafford, Batavia, Genesee (West N. Y.)	"
Conradi, " Schohar. Grit, L. ....	.....	Schoharie Co., Helderb. Mountains...	"

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
cornutus, Goldf.	Stringoc. ... M.	Lahnstein (Nassau)	Verstein. Nassau, p. 31.
crassimargo, Ad. Röm.	" ... M.	Elbingerode (Harz)	Palæont. D. & Von M. iii. 65, xiii. 223.
Cuvieri, Steining.	Calceol. Limes., L., M.	Le Cotentin, La Sarthe (Bonissent)	Mém. Soc. Nat. Hist. Cherb. x. 200.
elegans, Münst.	Clymen. Limest., U.	Thuringia	Zeitschrift &c. Berlin, xxi. 391.
fureatus, Cyprid. Sch.	"	"	"
granulosus, Steining.	" ... M.	Gerolstein	Pictet, Palæont. ii. 496.
haldimanni, Hall.	Ham. ... M.	Pennsyl., Cherry valley and Manlius (N.Y.)	XV. Rep. Regents N. Y. p. 102.
Hesioni, " "	Schohar. Grit, L.	Schoharie Co., Helderberg Mountains	" " 98.
Huhayi, Rouault.	" ... L.	Gahard (France)	Bull. Soc. Géol. Fr. n. s. viii. 383.
levigatus, Goldf.	Stringoc. ... M.	Vilmar, Daleiden, Bigge, Waldbrol...	Verstein. Nassau, p. 30.
longicaudus, Hall.	Ham. ... M.	N.E. of Desmoines (Iowa)	XV. Rep. Regents N. Y. p. 108.
macrocephalus, " "	" ... M.	Moscow, Genessee, Pavilion Co., Canandaig and Skeneat. Lakes (N.Y.)	" " 105.
var. a, " "	Shale & Limest., M.	Moscow, Bloomfield, 18-m. Creek, N.Y.)	" " 107.
marginalis, Hall.	Tully Limest., M.	Ovid, Seneca Co. (N.Y.)	" " 104.
Münsteri, Richter.	Cyprid. Sch., U.	Thuringia	Zeitschrift &c. Berlin, xxi. 391.
occidens, " "	Ham. Sch. & L'st, M.	New Buffalo (Iowa)	XV. Rep. Regents N. Y. p. 108.
orbicularis, Ad. Röm.	Spirif. Sandst., L.	Zeigenberger Teiche	Palæont. D. & Von M. iii. 20.
Phocion, Bill.	Limest. no. 8, L.	(Gaspé) Indian Cove	Palæont. Foss. ii. pt. 1, 1874, p. 63.
planimarginatus, Meek.	UHL. ... L.	Sylvania, Lucas Co. (Ohio)	Proc. Acad. Nat. Sci. Philad. 1871, p. 90.
Proutii, Shum.	Ham. &c. ... M.	Davenport (Iowa), Upper Mississ. river	Trans. Acad. Sci. St. Louis, ii. 150.
Rowi, Hall.	" Shale, M.	Schoharie and Otsego Counties, and Fly Creek (N.Y.)	XV. Rep. Regents N. Y. p. 103.
tenellus, Richter.	Clymen. Limest., U.	Thuringia	Zeitschrift &c. Berlin, xxi. 391.
Verneuilli, Hall.	UHL. ... L.	Williamsville (N.Y.)	XV. Rep. Regents N. Y. 101.
spec. indet. (2), Tietze.	Clymen. Limest., U.	Ebersdorf (Glatz, Silesia)	Palæont. D. & Z. xix. 127.
" " (1), Winch.	UHL. ... ?	Monguagon (Wayne Co.)	Geol. Rep. Michigan, 1854.
" " Foster & Whitn.	UHL. ... L.	Mackinac Island (Lake Huron)	Report L. Superior (S. side), p. 224.

SUBKINGDOM ANNULOSA. PROV. ARTICULATA [MEROSTOMATA (Dana)]. CLASS CRUSTACEA.

ORDERS 1. PHYLLOPODA. 2. OSTRACODA.

[CRUSTACEA.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Amphipeltis , Salter, 1862.			
paradoxus, Salter.	2nd Fern beds, M.	Lancaster Plant-bed, St. John's (New Brunswick).	Quart. Journ. G. S. L. xviii. 347, xix. 76.
Archæocaris , M'Coy, 1842.			
vermiformis, Meek.	Waverl. Sand. base, U.	Danville (Kentucky)	Proc. Acad. Nat. Sci. Philad. 1871, p. 335.
Archæonectes .			
portusius, " ... M.	"	(Eifel), Gerolstein	Palæont. D. & Von M. vii. 12.
Bairdia , M'Coy, 1844.			
curta, M'Coy.	O. R. Sandst., L.	Borowitchei (Kalouza), Sloboda (Novgorod), &c.	Lethæa Rossica, ii. 1338.
Beyrichia , M'Coy, 1846.			
aurita, Richter.	" ... M., U.	Thuringia	Zeitschrift deutsch. g. Gcs. 1869, p. 775; Zeitschr. &c. Berl. xxi. 391.
dorsalis, " "	Cyprid. Sch., U.	"	"
Hardouiniana, Rouault.	" ... L.	Izé (La Sarthe)	Bull. Soc. Géol. Fr. n. s. viii. 377.
nitidula, Richter.	Cyprid. Sch., U.	Thuringia	Zeitschrift &c. Berl. xxi. 391.
punctulifera, Hall.	Ham. Shale, M.	Ontario Co., New York	XV. Rep. Regents N. Y. p. 111.
spec. indet., F. Röm.	" ... L.	The Bosphorus	Leonh. & Br. Neues Jahrb. 1863, p. 513.
Campecaris , Page, 1864.			
Forfarenensis, Page.	" ... L.	Balruddery Den (Forfar.), Canterland Den (Kincard.).	Quart. Journ. G. S. L. xx. 415.
Ceratiocaris , M'Coy, 1850.			
armata, Hall.	Ham. Shales, M.	Ontario Co., New York	XVI. Rep. Regents N. Y. p. 73.
Bradleyi, Meek.	Base Waverl. Sand., U.	Danville (Kentucky)	Proc. Acad. Nat. Sc. Philad. 1871, p. 332.
(Colpocaris.)			
elytroides, " ... U.	"	"	"
longicaudus, Hall.	Upper Geness. Sl., M.	Ontario Co., New York	XVI. Rep. Regents N. Y. p. 73.
macrophthalmia, Sndbrgr.	Orthoc. Sch., L.	Mandersbach, Dillenburg, Wissenb., &c.	Sndbrgr. Verstein. Nassau, p. 33.
punctata, Hall.	Ham. ... M.	Cayuga Lake, New York (one fragment only).	XVI. Rep. Regents N. Y. p. 74.
strigata, Meek.	(Base) Waverl. Sand., M.	Danville (Kentucky)	Proc. Acad. Nat. Sc. Philad. 1871, p. 332.
Cypridina , Milne-Edwards, 1838; De Koninck, 1841.			
buprestis, Rolle.	Cyprid. Sch., U.	New York State	Leonh. & Br. Neues Jahrb. 1851, p. 666.
digitalis, Richter.	" ... U.	Thuringia	Zeitschrift &c. Berlin, xxi. 391.
elliptica, Ad. Röm.	Stringoc. Limest., M.	Buchenberg (Harz)	Palæont. D. & Von M. v. 25, xiii. 238.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
fragilis,	Ad. Röm.	Wissenb. Shale, L. ?	Upper Lerbach (Harz)	Palaeont. D. & Von M. iii. 19, xiii. 226.
globulus,	Richter & Unger.	Cyprid. Sch., U.	Thüringerwald	Leonh. & Br. Neues Jahrb. 1856, p. 626.
nitida,	Ad. Röm.	Cyprid. Sch., U.	Altenau (Harz)	Palaeont. D. & Von M. iii. 28.
oculata,	"	Stringoc. L'st., M. ...	Buchenberg	" " " v. 25, xiii. 228.
serrastriata,	Sndbrgr.	Clymen. Cyprid.	Hahnstätten, Allendorf, Burg, Petherwin, &c. Belgium.	" " " iii. 42, xi. 312.
"	"	Iberg. Schists	Saasfeld, Budesheim, Oos, Karlsberg, Setters, Diez.	Verstein. Nassau, p. 4.
subfusiformis,	"	Stringoc. ... M.	Lahnstein, Paffrath, Vilmar, Bensb., &c.	" " " 5 (in flinty red
tæniata,	Richter & Unger.	Cyprid. Sch., U.	Thuringia, Nassau, Harz, Hoff, Gera	Leonh. & Br. Neues Jahrb. 1856, p. 626.
tenella,	Richter.	" U.	"	" " " "
villosa,	"	" U.	"	Zeitschrift &c. Berlin, xxi. 390.
spec. indet.,	"	"	France (in the Gedinian of Mondrepuis)	?
"	Sndbrgr.	"	Cramberg, Wissenbach, Lerbach	Verst. Nass. p. 482; Zeitsch. &c. xxi. 391.
Cythere , Müller, 1785.				
? costata,	Richter.	Clymen. L., U.	Hoff, Thuringia	Zeitschrift deutsch. g. Ges. 1869, p. 773.
dorsalis,	"	" & Limest. U.	"	" " " 774.
nitidula,	"	Clymen. Limest., U.	"	" " " 775.
? striatula,	"	" L., U.	"	" " " 772.
Tulensis,	Sem. & Möll.	Marl. dolom., U.	Districts Toul, Bogoroditsa, &c. (Russ.)	Helmerts. Expl. Carte Geol. Russ.
Cytherina , Lamarck, 1818.		Cythereis.	Cytherella.	
costata,	Richter.	" ?	" ?	
hemisphærica,	"	Clymen. Limest., U.	Thüringerwald (drift)	Palaeont. Thuring. 1856, p. 20.
striatula,	"	" U.	Weilburg (Harz)	" " " 19.
spec. indet.,	Vern.	" M.	Ulubue, Kipet (river Oka, Russia) ...	Murch., Vern. & Keyser. Geol. Russ. p. 11.
Dithyocaris , Scouler, 1835.		A Carboniferous genu	s in Europe (Hall), appearing earlier	in America.
Belli,'	H. Woodw.	" M.	Gaspé (E. Canada)	Geol. Mag. viii. 106.
brevicauleata,	Ludw.	Spirif. Sandst., L.	Butbach (Nassau)	Palaeont. D. & Von M. xi. 309.
Kochi,	"	Goniatic. Limest., U.	Burger-Eisenhütte, Dillthal (Nassau)	" " " "
Neptuni,'	Hall.	"	New York (in sandy shale)	XVI. Rep. Regents N. Y. p. 75.
striata,'	H. Woodw.	" L., M.	Gaspé (E. Canada)	Brit. Assoc. Report, 1870, Sect. p. 90.
Entomis , R. Jones, 1860.		Cypridina.		
Estheria , Rüppell, 1838.		Asmusia.		
membranacea,	Pacht.	" L., M.	Kokenhausen, Caithness, Orkney Isle	Rupert Jones, Monogr. Foss. Estheria.
Eurypterus , DeKay, 1826.		Eidothea , Scouler.	(In passage-beds.)	[xv. 234.]
abbreviatus,	Salt.	Sandst. L.	Downton, Kingston (Heref. Co.)	Geol. Mag. ix. 563; Quart. Journ. G. S. L.
acuminatus,	"	"	Ludlow Railway-cutting	Quart. Journ. G. S. L. xv. 233.
? Belli,'	H. Woodw.	" M.	Gaspé (E. Canada)	Canad. Naturalist, vi. 18.
Brewsteri,	Powrie, MSS.	" L.	Kelly Den near Arbroath (N.E. Scotl.)	Geol. Mag. 1864, i. 200.
Brodiei,	H. Woodw.	" L.	Purton (Stoke Edith, Herefordshire)	Quart. Journ. G. S. L. xxviii. 521.
Murchisoniana,	R. Jones.	" L.	" ?	"
pulicaris,'	Salter.	" M.	Bed 2, Fern Led., St. John's (N. Brunsw.)	Quart. Journ. G. S. L. xviii. 346, xix. 78.
pygmaeus,	"	Sandst. base, L.	Downton, Kingston, Ludl. Ludford Lane	" " " xv. 232.
Scouleri,	Hibbert.	O. R. Sandst., U.	Kiltorkan (Kilkenny, Ireland)	" " " 235, xix. 82.
spec. indet.,	F. Röm.	"	N. America, Prof. Emmons's Cabinet	Palaeont. D. & Von M. i. 189.
Gitocrangon , Richter.		" U.	Thüringerwald	Leonh. & Br. Neues Jahrb. 1856, p. 625.
Leperditia , Rouault, 1851.				
Britannica,	Rouault.	" L.	LaManche, Ile et Velaine, Izé, Gahard	Mém. Soc. Nat. Hist. Cherb. x. 200.
Cayuga,'	Hall.	Cornif. Limest., L.	Springport (Lake Cayuga)	XV. Rep. Regents N. Y. p. 111.
Friburgensis,	Dumas.	Limest. breccia	Freiburg	Zeitschrift &c. Berlin, xx. 504.
marginata,'	R. Jones.	" L.	"	Pal. Foss. Woodw. Mus. Camb. p. 177.
punctilifera,'	Hall.	Iam. M.	Western New York (passim)	XIII. Rep. Regents N. Y. p. 92.
Senecaensis,'	"	" M.	Ontario Co., New York	XV. " " 111.
spinulifera,'	"	" M.	Western New York	" " " 112.
spec. indet.,	Tietze.	Clymen. Limest. ? U.	Ebersdorf (Silesia)	Palaeont. D. & Z. xix. 128.
Parka , Fleming		"	Egg Packets of <i>Pterygotus</i> ?	Siluria, ed. 4, p. 239.
decipiens,	Page.	" L., U.	Tealing (Dundee), Carmylie (Montrose)	" " " pp. 238, 239, 251.
Præarcturus , Henry Woodward, 1870.				
gigas,	H. Woodw.	O. R. Sandst., L.	Kowlestone, Brecknockshire	Geol. Mag. viii. 521.
Proricaris , W. H. Baily.				
M'Henrici,	W. H. Baily.	Passage-bed, U.	Kiltorkan, Kilkenny Co. (Ireland) ...	" ix. 91.
Pterygotus , Agassiz, 1839.				
Anglicus,	Agassiz.	O. R. Sandst., L.	Laysmill, Reswallie, Tealing, Carmylie	Monogr. Mem. Geol. Surv. p. 67.
Ludensis,	Salter.	" L.	Railway-cutting (Ludlow).	"
minor,	H. Woodw.	" L.	Carmylie, Farnell (Scotland)	Geol. Mag. i. 1864, p. 199.
problematicus,	Salter.	" (in Lud-	Kendal (Westmoreland), Hereford-	Monogr. Mem. Geol. Surv. Great Brit
		low Group), L.	shire, Hagley Park.	"
Taurinus,	"	O. R. Sandst., L.	Ledbury Series, Ewyas Harold, Here-	Palaeont. Soc. xxv. 75.
Richteria , T. Rupert Jones, 1874.				
ava,	Richter.	Cyprid. Sch., U.	Thuringia	Zeitschr. d. Geol. Ges. Berl. 1869, xxi. 391.
Barrandei,	"	" U.	"	" " " "
calcarata,	"	" U.	Hoff (Bavaria), Thuringia	" " " "
costata,	"	" U.	" Gera, Weilburg (Harz)	" " " "
gyrata,	"	" U.	" Thuringia	" " " "
labyrinthica,	"	" M., U.	(sporadic) Thuringia	" " " "

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Sandbergeri, Richter.	Cyprid. Sch., U.	Thuringia	Zeitschr. d. Geol. Ges. Berl. 1869, xxi. 391.
serobiculata, " "	" " U.	Hoff, Schleitz, Gera, Thuringia	" " " " 390.
serratostriata, " "	" " M., U.	" " " " " " " " " " " "	" " " " " " " "
taniata, " "	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " "
tenella, " "	Shales M., U.	" " " " " " " " " " " "	" " " " " " " "
Stylonurus , Page, 1856.	Eurypterus , DeKay.		
ensiformis, Woodw.	O. R. Sandst., L.	(Forfarshire) Turin-Hill Quarries ...	Geol. Mag. i. 198.
megalops, Salter.	Base O. R. Sand., L.	Ludlow Railway-cutting	Quart. Journ. G. S. L. xv. 233.
Powrei, Page.	O. R. Sandst., L.	Turin Hill, Pitscandly, &c. (Forfarsh.)	" " xviii. 146.
punctatus, Salter.	" " L.	Britain	" " xxiii. 620.
Scoticus, H. Woodw.	" " L.	Montroman Moor (Forfarsh. & Montr. Pike),	" " xxi. 484.
Symondsii, Salter, 1852.	Upper Cornstones ...	Rowlstone (Brecknockshire)	" " xv. 230.
Typhloniscus , Salter, 1852.	Sandst. ... L. ?	Gydow Pass, Leo Hook (S. Africa)...	Trans. G. S. L. n. s. vii. 205.
Bainii, Salter.	" " ?		
orbiculoides, " "			

SUBKINGDOM MOLLUSCA. PROVINCE MOLLUSCOIDA. CLASS POLYZOA.

[POLYZOA.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Berenicia , Lamoureux, 1821.			
M'Coyi, spec. indet., M. A. Noques.	 M.	Padstow (Cornwall)	Quart. Journ. G. S. L. xxiii. 621.
Botryllopora , Nicholson, 1874.	 M.	Valleys Tech and Tet (Pyrenees)	Comptes Rendus, 1856, lvi. 1123.
socialis, Nichols.	Ham. M.	Bartlett's Mills, Arkona (Canada W.)	Geol. Mag. dec. 2, i. 160.
Cellepora , Gmelin, 1789.			
favosa, Goldf.	 M.	Eifel	Goldf. Petref. Germ. pl. 64.
spec. novæ 2, D. D. Owen.	Ham. M.	Rockingham (Iowa)	Geol. Report Minnesota &c. p. 624.
Ceramopora , Hall. See	Limaria .		
Ceriopora , Goldfuss, 1826.			
Boloniensis, Sndbrgr.	 U.	Ferques (France)	Michel. Icon. Zooph. p. 189.
dentiformis, Michelin.	Stringoc. M.	Vilmar (Nassau)	Verstein. Nassau, p. 379.
Goldfussi, Phill.	 U.	Ferques	Michel. Icon. Zooph. p. 190.
gracilis, Goldf.	 U.	Baggy Point, Brushford, Braunton, Pilton, &c.	Pal. Foss. Devon. p. 20.
granulosa, Nichols.	Calceol. Sch., M.	Eifel	Murch. Silur. Syst. pl. xv.
? Hamiltonensis, Goldf.	Ham. M.	Widder (Canada West)	Geol. Mag. dec. 2, i. 167.
oculata, Ad. Röm.	 M.	Eifel	Petref. Germ. pl. 64.
? patina, Goldf.	Calceol. Sch., M.	Hohen-Kehle (Goslar, Harz)	Palæont. D. & Von M. iii. 8.
punctata, Phill.	 M.	Eifel	Petref. Germ. pl. 64.
radiatula, Phill.	Wissenb. Sch., L.	Sulteberg by Sophienhütte (Harz) ...	" " pl. 77.
similis, Rouault.	Limestone, M.	Torquay, Bradiford, Frankmarsh ...	Pal. Foss. Devon. p. 21.
spec. indet., Rouault.	 L.	Gahard (France)	Bull. Soc. Géol. Fr. n. s. iv. 323.
Cladopora , Hall, 1852.			
dichotoma, Hall.	Ham. M.	New Buffalo (Iowa), Hamburg (Illin.)	Hall & Whitn. Report Iowa, p. 475.
magna, " UHL.	 L.	Waterloo (Iowa)	Descript. New Foss. Iowa, 1872, p. 12.
palmata, " " " " " " " " " " " "	 L.	" " " " " " " " " " " "	" " " " " " " " " " " "
prolifera, " " " " " " " " " " " "	 L.	" " " " " " " " " " " "	" " " " " " " " " " " "
spec. indet., Fost. & Wh.	 L.	Isle of Mackinac (Lake Huron)	Fost. & Wh. Geol. Rep. S. Lake Super. p. 228.
Clathropora , Hall.			
intertexta, Hall.	Cornif. Limest., L.	Jarvis (Walpole Township)	Geol. Mag. dec. 2, i. 125.
Coscinium , Keyserling, 1846.			
cribriformis, Prout.	Shell-bed, Devon ? ...	Falls of the Ohio (Kentucky)	Trans. Acad. Sci. St. Louis, i. 269.
cyclops, Keyserling.	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " " " "
Shumardi, " " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " " " "
Dictyonema , Hall and Goppert.			
fenestrata, Winch.	UHL. L.	Isle of Mackinac (Lake Huron)	Fost. & Whitn. Geol. Rep. S. Lake Sup. p. 223.
gracilis, Hall.	 L.	Menzenberg (Prof. Krantz), America (Niagara group).	Verh. Verst. xiv. Jahrb. Neue Folge, iv. 148 &c.
splendens, Bill.	Passage-bed	No. 8 Gaspé L'stones, Grand Grève, Gaspé Bay.	Pal. Foss. Can. ii. 12 (Canad. Survey).

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Fenestella , <i>Lonsdale</i> , 1839.	Fenestrella , <i>Lonsdale</i> .	Retepora , <i>Lamarck</i> , 1816.	
aculeata, Sndbrgr.	Stringoc. Limest., M.	Vilmar (Nassau)	Verstein. Nassau, p. 376.
antiqua, Goldf.	L., M., U.	Feké, Bosphorus, Looe (Cornwall), Linton, Torquay, Givet, Ferques, Heisterstein (Eifel), Petherwin, &c.	Comptes Rendus, lxiv. 1218; Trans. G. S. L. n. s. v. 703, vi. 407.
arthritica, Phill.	Limestone, M., U.	Torq, Ilfracombe, &c., Belg. (Up.Dev.)	Pal. Foss. Devon. p. 24.
bifurcata, Ad. Röm.	Calceol. Sch., M.	Hahnenklee (Harz)	Palæont. D. & Von M. iii. 8.
"', Prout.	Ham. ....M.	Illinois (exact place unknown)	Trans. Acad. Sci. St. Louis, ii. 411.
Braunii, Ad. Röm.	Dark Limest., L.	Scheerenstieg (Harz)	Verstein. Harz, p. 7.
concentrica, "	Calceol. Sch., M.	Festenburg (Harz)	Palæont. D. & Von M. iii. 71.
conica, "	M.	Graethales (Hahnenklee)	7.
Davidsoni, Nichols.	Ham. ....M.	Bartlett's Mills, Arkona (Bosanquet)..	Geol. Mag. dec. 2, i. 36.
Devonica, Sem. & Moll.	Yell. & wh. Marls, M.	Districts of Toula, Odoey, &c.	Helmers. Expl. Carte Geol. Russ. p.16.
dilata, Prout.	Ham. ....M.	Illinois (exact locality unknown)	Trans. Acad. Sci. St. Louis, ii. 411.
eximia, Winch.	" (magnesian), M.	Little Traverse Bay (Lake Michigan).	Geol. Rep. Mich. Append. 1866, p. 92.
explanata, Ad. Röm.	Calceol. Sch., M.	Schalke (Harz), Eifel, Hesse, Westphal.	Palæont. D. & Von M. iii. 7.
filiformis, Nichols.	UHL. ....L.	Waynfleet	Geol. Mag. dec. 2, i. 197.
flitexta, Winch.	Ham. ....M.	Little Traverse Bay (Lake Michigan).	Geol. Rep. Mich. Append. 1866, p. 92.
flustriformis, Martin.	Cyprid. Sch., L., U..	Rammelsberg, Thuringia	Verstein. Harz, p. 7.
fossula, Lonsd.	"	Gympsie (Smithfield, Queensland) ..	Quart. Journ. G. S. L. xxviii. 332.
Hamiltoniensis, Prout.	Ham. ....M.	Illinois (exact locality unknown)	Trans. Acad. Sci. St. Louis, ii. 412.
hexagonalis, Ad. Röm.	Calceol. Sch., M.	Hogge (Brilon, Westphalia)	Palæont. D. & Von M. iii. 6.
infundibuliformis, Goldf.	(Slate)	Bouffalize (Belgium)	D'Omal. d'Halloy, Précis Géol.
Keyserlingii, D'Orb.	"	Lassicha (Altai)	Cotta, Der Altai, 1871, p. 99.
magnifica, Nichols.	Cornif. Limest., L.	Port Colborne (Lake Erie, Can. W.)..	Geol. Mag. dec. 2, i. 197.
marginalis, "	"	"	"
micropora, Ad. Röm.	Iberg. Limest., U.	Grund (Harz)	Palæont. D. & Von M. v. 34.
Milleri, Lonsd.	Calceol. Sch., M.	Bigge (Westph.). Rockingham? (Iowa)	"
nodosa, Prout.	Hau. ....L.	Illinois (exact place unknown)	Trans. Acad. Sci. St. Louis, ii. 410.
oculata?, M'Coy.	Calceol. Sch., U.	Hope (Torquay)	Catal. Lond. Mus. Prac. Geol. p. 96.
plebeia, "	"	Petherwin, Pilton, Branton, Irish Coomhola.	Carbon. &c. Fossils (Ireland), p. 203.
pluma, Phill.	Calceol. Sch., M.	Olpe (Westphalia)	Palæont. D. & Von M. iii. 7.
prisca, Goldf.	Limestone, M.	Torquay, Newton Bushell, Plymouth..	Phil. Pal. Foss. Devon. p. 25.
repisteria, D. D. Owen.	"	Iowa	Geol. Rep. Minnesota &c. p. 624.
retiformis, De Vern.	"	Valleys Zinief and Toms (Altai) ..	Tchihatch. Bull. S. G. Fr. n. s. i. 684.
subrectangularis, Sndbrgr.	Stringoc. ....M.	Sitka (Poland)*, Vilmar, Menzenberg (Bonn), Thuringia.	Verh. Verst. xiv. Jahrb. &c. p. 148 &c.; Verst. Nassau, p. 376.
trifaria, Ad. Röm.	Calceol. Sch., M.	Harz	Palæont. D. & Von M. xiii. 223.
tubulipora, "	Calceol. Sch. & L'st., M.	Bockweise (Harz)	"
Verneuilliana, Michelin.	"	Ferques (Boulonnais)	Iconogr. Zoophyt. p. 193.
spec. indet., Fost. & Whitn.	UHL. ....L.	Isle Mackinac (Lake Huron)	Geol. Rep. South-east Lake Superior.
"', D. D. Owen.	Ham. ....M.	Rockingham (Iowa)	Geol. Rep. Minnesota &c. p. 624.
"', Kayser.	Criuoid Sch., M.	Eifel	Zeitschrift &c. 1871, p. 373.
Fenestrellina , <i>Adolph Römer</i> .			
dichotoma, Ad. Röm.	Calceol. Sch., M.	Festenburg	Palæont. D. & Von M. v. 16, xiii. 222.
Glaucanome , <i>Münster</i> , 1839.	Acanthocladia , Goldf.	Vincularia , <i>De France</i> . Eifel	?
disticha, "	"	"	"
<i>penniretepora</i> .			
bipinnata, Phill.	"	Baggy Point, Pilton, Branton, Croyde,	Pal. Foss. Devon. p. 21.
spec. indet., Ether.	Limestone, M.	Ilfracombe (N. Devonshire)	Catal. Mus. Geol. Lond.
Hemitrypa , <i>Phillips</i> , 1841.			
oculata, Phill.	"	Newton (Devonshire), Boulonnais?..	Verstein. Nassau, p. 379.
Heterodictya , <i>H. A. Nichols</i> .			
gigantea, H. A. Nichols.	"	Jarvis (Walpole, Canada West)	Geol. Mag. dec. 2, ii. 34.
Ichthyorachis , <i>M'Coy</i> .			
Lichenalia , <i>Hall</i> , 1852.			
spec. indet., Fost. & Whitn.	"	S.E. Lake Superior (N. America)	Geol. Rep. on S.E. Lake Super. p. 288
Limaria , <i>Steininger</i> , 1831.	Ceramopora , <i>Hall</i> .	Cœnites , <i>Eichwald</i> . Eifel	Mem. G. S. L. No. 1, pl. xx.
clathrata, Stein.	Ham. ....M.	Arkona (Bosanquet, Canada West) ..	Geol. Mag. dec. 2, ii. 37.
Huronensis, Nichols.	Calceol. Sch., M.	Olpe (Westphalia)	Palæont. D. & Von M. iii. 8.
Steiningerensis, Ad. Röm.	"	"	"
Nullipora , <i>Lamarck</i> , 1801.	A plant?	"	"
granulifera, Ad. Röm.	Stringoc. ....M.	Kehrzu (Harz)	23.
opographa, "	"	"	"
Polypora , <i>M'Coy</i> , 1844.			
Hamiltonensis, M. & W.	Ham. ....M.	Rock Isl. Co. (Illin.), New Buff. (Iowa)	Rep. Illin. ii. 423; Trans. Ac. Sci. St. Louis, ii. 412.
intermedia, Prout.	(Sh.-beds), Ham., M.	Falls of the Ohio (Kentucky)	Trans. Acad. Sci. St. Louis, i. 272.
laxa, Sndbrgr.	Stringoc. ....M.	Vilmar (Nassau)	Verstein. Nassau, p. 378.
Psyche, Bill.	Pass.-bed No. 8, L'st.	Indian Cove, Gaspé Bay (Canada E.).	Can. Surv. Pal. Foss. ii. p. 11.
pulchella, Nichols.	Cornif. Limest., L.	Waynfleet (Canada West)	Geol. Mag. dec. 2, i. 161.
rigida, Prout.	"	Locality not given	Trans. Acad. Sci. St. Louis, ii. 412.
Shumardi, "	Shell-bed ...M.	Falls, Ohio river (Kentucky)	"

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
striatella, Sndbrgr.	Stringoc. ...M.	Vilmar, Menzenberg, Altai (Cotta) ...	Verst. Nass. p. 378; Verh. Verst. xiv. Jahrb. p. 148 &c.
tenella,' Nichols.	Cornif. Limest., L....	Wainfleet (Canada West)	Geol. Mag. dec. 2, i. 162.
tuberculata,' Ham. ....M.	Ham. ....M.	Bartlett's Mills, Arkona (Bosanquet [Township])	" " "
Ptilodictya , Lonsdale, 1839.	Stictopora , Hall.	" (Canada W.)	" " ii.
cosciniformis,' Nichols.	Ham. ....M.	"	" " "
Gilberti,' Meek.	Cornif. Limest., L....	Sylvania, Marblehead (Ohio)	Proc. Ac. Nat. Sci. Philad. 1871, p. 63.
lanceolata?, Goldf.	Goningen (Germany)	Goningen (Germany)	Petref. German. pl. 37.
Mceki,' Nichols.	Cor. L'st., Ham., L., M.	P. Colborne, L. Arkona, Bosanq. (C.W.)	Geol. Mag. dec. 2, i. 123.
tarda,' Bill.	Pass.-bed No. 8, L'st.	Grand Grève, Gaspé Bay (Canada E.)	Palæoz. Foss. ii. pt. 1, p. 13.
spec. indet., Ether.	M.	Padstow (Cornwall)	Huxley & Ether. Museum Cat. p. 97.
Ptylopora , M'Coy, 1844.	Limestone, M.	Torquay &c., Harz, Thüringerwald ...	Pal. Foss. p. 26; Leonh. & Br. Neues Jahrb. 1856, p. 626.
flustriformis, Phill.	Gorgonia , Goldfuss.	Kartal (Asia Minor)	Bull. Soc. Géol. Fr. n. s. xi. 413.
Retepora , Lamarck, 1816.	L.	Scheerensteig (Harz)	Verstein. Harz, 1843, p. 7.
antiqua, Goldf.	L.	(Harz), Schälke, Eifel	" " "
Brauni, Ad. Röm.	L.	Illinois.....	Trans. Acad. Sci. St. Louis, ii. 413.
explanata, Prout.	Ham. ....M.	Near Brillon, Bigge, Rammelsberg ...	Palæont. D. & Von M. iii. 6.
Hamiltonensis,' Ad. Röm.	Calceol. Sch., M. ...	Siberia	Tchihatcheff, Voy. Altai, p. 273.
hexagonalis, ?	L.	Port Colborne	Geol. Mag. dec. 2, i. 163.
infundibuliformis, Phillipsi,' Nichols.	L.	Mudstone Bay (Devonshire). ?	" ?
Phillipsianus, D'Orb.	L. ?	Siberia (Altai)	Tchihatcheff, Voy. Scient. p. 273.
? prisca, Goldf.	L.	Eifel	Zeitschrift &c. 1871, p. 373.
reteformis, Michelini.	Kayser.	Eifelian stages 4, 5...	"
spec. indet., Rosacilla, Adolph Römer, 1843.	Ad. Röm.	Calceol. Sch., M. ...	Palæont. D. & Von M. iii. 6.
emersa, Ad. Röm.	"	" M. ...	" " "
subtilis, "	"	" M. ...	" " "
Semicoscium , Prout, 1860.	UHL. ....L.	Cunningham's Island (Lake Erie) ...	Trans. Acad. Sci. St. Louis, i. 579.
Eriensi,' B. Shum.	M.	Falls of river Ohio (Kentucky)	" " 443.
rhomboidum,' Prout.	L. ?	" " " " " " " "	" " 579.
Tæniopora , Nicholson, 1874.	Ham. ....M.	Arkona (Bosanq., C.W.), Canandaigua	Geol. Mag. dec. 2, i. 122.
exigua,' Nichols.	"M.	" " "	" " 123.
penniformis,' Winch.	Pass.-beds	Sciotoville (Ohio)	Trans. Amer. Phil. Soc. xii. 247.
Trematopora , Hall, 1852.	fincyeell.Sa.	" " "	Proc. Acad. Nat. Sci. Phil. 1863, p. 3.
fragilis,' Hall.	UHL. ....L.	Isle of Mackinac.....	Foster & Whitn. Report on S.E. Lake Superior.
vesiculosa,' spec. indet.,'			

(NEUROPTERA.) INSECTÆ ALLIED TO THE EPHEMERÆ (*Dawson*).

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Dyscritus , <i>Scudder</i> .			
<i>vetustus</i> , ['] Scudder.	M.	Fern Ledges, Bed 2 or 7 or 8, Lancaster (New Brunswick).	Geol. Mag. viii. 388.
Gerephemera , <i>Scudder</i> .			
<i>simplex</i> , ['] Scudder.	M.	New Brunswick	" "
Homothetus , <i>Scudder</i> .			
<i>fossilis</i> , ['] Scudder.	M.	Fern Ledges, Bed 2 or 7 or 8, Lancaster (New Brunswick).	Acadian Geol. ed. 2, p. 525.
Lithentomum , <i>Scudder</i> .			
<i>Hartii</i> , ['] Scudder.	M.	" "	" "
Platephemera , <i>Scudder</i> .			
<i>antiqua</i> , ['] Scudder.	M.	" "	" "
Xenoneura , <i>Scudder</i> .			
<i>antiquorum</i> , ['] Scudder.	M.	" "	" "

SUBKINGDOM MOLLUSCA. PROVINCE MOLLUSCOIDA. CLASS BRACHIOPODA.
ORDERS 1. ARTICULATA. 2. INARTICULATA.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Ambocelia , Hall, 1858-59.			
<i>præumbona</i> , ['] Hall.	Ham. M.	Seneca, Canandaigua, Cayuga Lakes...	Palæont. New York, iv. 262.
<i>umbonata</i> , ['] " "	Marcell. Sh., M.	Avon &c. (New York, passim)	" " 259.
var. <i>gregaria</i> , ['] " "	Chem. Sandst., U.	Jasper, Chem., Elvira, Olean, &c. (N. Y.)	" " 261.
<i>spee. indet.</i> , ['] " "	Chem. U.	Binghamtown (New York)	XIII. Rep. Regents N. York, p. 82.
" " ['] " "	Marcell. Sh., M.	" " " " " " " " " "	" " " " " " " "
Amphigenia , Hall, 1867.			
<i>elongata</i> , ['] Hall.	Schoh. Gr ^p & UHL.	Schoh. Co., Vienna, Otsego, Williamsv., Clarence Hollow, &c., and Can. W.	XX. Rep. Regents N. Y. p. 164; Pal. N. Y. iv. 383; Swal. Rep. Miss. p. 101.
var. <i>undulata</i> , ['] Vanux.	UHL. L.	Mackinac Isle (L. Huron) & Michigan.	Hall, Palæont. New York, iv. 384.
Anastrophia , Hall, 1867.	Pentamerus.		
<i>interplicata</i> , ['] Hall.	?	New York	Palæont. New York, iv. 369, 374.
<i>reversa</i> , ['] Bill.	?	" Canada West	" " " "
<i>Verneuili</i> , ['] Hall.	?	" " " " " " " " " "	" " " "
Anoplotheca , Sandberger, 1854.			
<i>lamellosa</i> , Sndbrgr.	Spirif. Sandst., L.	Haiger-Seelbach, Condethal, Hont- Eifel (passim)	Verstein. Nassau, p. 351. Zeitschrift &c. 1871, p. 369.
<i>lepidia</i> , Goldf.	 M.	" Daun, Waxweiler	Kayser, Zeitschrift &c. 1871, p. 366.
<i>venusta</i> , Sehnur.	 L.	" " " " " " " " " "	" " " "
Athyris , M ^c Coy, 1844.			
<i>Angelica</i> , ['] Hall.	Chem. U.	Phillipsburg (Alleghany Co.) &c.	XIV. Rep. Regents N. York, p. 99.
<i>Bartoniensis</i> , Davids.	Limestone, M.	Torquay, Barton (S. Devon.)	Mono. Brach. Dev. Pal. Soc. p. 19.
<i>Blackii</i> , Rouault.	.....	Izé, Le Cotentin	Mem. Soc. N. H. Cherbourg, x. 200.
<i>Budleighensis</i> , Davids.	.....	" " " " " " " " " "	" " " "
<i>Campomanesii</i> , Ver. & D'Arch.	 L.	Pelapaya, Ferrones (Spain)	Bull. S. G. Fr. n. s. ii. 465, vii. 160.
<i>Cassidea</i> , Dalm.	 M., U.	Eifel, Grund, Devons., N. Ural, Touraya (Russia).	Leth. Ross. i. 734; Verst. Harz, p. 19.
<i>elara</i> , ['] Bill.	UHL. L.	Goderich, Malden, &c. (Can. W. passim)	Logan, Geol. Canada, 1863, p. 370.
? <i>Clusia</i> , ['] " "	 L.	Cayuga, Haldimand (both Can. W.).	" " " " " " " " " "
<i>eoneentrica</i> , ['] Von Buch.	(in 6 sed.), L., M., U.	Prum, Wellin, Couvin, Grund, Refrath, Croyde, Ilfrac., Torq., Armen. (Sp.), Ottrada, the Bosphorus, Iowa, N. Y., Can. W., Indiana, Kentucky, &c.	Bull. S. G. Fr. n. s. vii. xiv. xvii. xviii. xx.; Palæont. D. & Von M. iii. 191; Röm. Verst. Harz, 1843; Davids. Mono. Brach. Dev. Pal. Soc. p. 19.
<i>hispidia</i> .		Schonecken, Gerolstein (rare)	Palæont. D. & Von M. iii. 193.
<i>atrypa</i> .		" " " " " " " " " "	" " " "
var. α , <i>Eifelensis</i> , " "	 M.	Eifel	" " " "
" β , <i>globosa</i> , " "	 M.	" " " " " " " " " "	" " " "
" γ , " "	L'st. nodules &c., M.	" " " " " " " " " "	" " " "
" δ , " "	" " " " " " " " " "	" " " " " " " " " "	" " " "
<i>Cora</i> , ['] Hall.	" " " " " " " " " "	" " " " " " " " " "	" " " "
<i>erratica</i> , Davids.	?	Delphi (New York)	Palæont. New York, iv. 291.
<i>Ezquerria</i> , D'Arch. & Vern.	 L.	Budleigh-Salterton (Devon.)	Quart. Journ. G. S. L. xxvi. 80.
<i>Ferronensis</i> , " "	 L.	Sabero, Arnao, Ferrones, Viré, Nehou, &c.	Mém. Soc. Cherb. x. 200; Bull. Soc. Géol. Fr. n. s. ii. 467, vii. 160.
<i>gracilis</i> , Sndbrgr.	 M.	Pelapaya, Daun, Arnao, Ferrones, Puerto de Cubillas.	Schnur, Pal. D. & Von M. iii.; Bull. Soc. Géol. Fr. n. s. vii. 160.
<i>Helmerseni</i> , Von Buch.	(ferr. Limest.), M.	Couvin (Belgium)	D'Halloy, Précis Géol. p. 576; Bull. Soc. Géol. Fr. n. s. ii. 466.
<i>Hispanica</i> , D'Arch. & Vern.	 L.	[S. Livonia.]	" " " "
<i>incerta</i> , Davids.	?	Ieletz, Piatina (riv. Don), Lake Ilmen, Ferrones, Sabero, Viré, Nehou (Le Cotentin).	Mureh., Veru. & Keys. Geol. Russ. ii. 58. Mém. Soc. Sci. Nat. Cherb. x. 200; Bull. Soc. Géol. Fr. n. s. vii. 160, 780.
<i>indentata</i> , Sow.	 U.	Budleigh-Salterton	Quart. Journ. G. S. L. xxvi. 80.
? <i>laeryma</i> , " "	 M., U.	Petherwii, Barnstaple (N. Devon.) ...	Davids. Mono. Br. Dev. Pal. Soc. p. 17.
<i>Maia</i> , ['] Bill.	Cornif. Limest., L.	Torquay, Ilfracombe, the Rhine, France St. Mary's, river Maitland, Blanchard Township.	Trans. G. S. L. ser. 2. v. Geol. Can. 1863, p. 372; Can. Journ. n. s. v. 376.
<i>mueronata</i> , De Vern.	 L.	Sabero (N. Spain)	Bull. Soc. Géol. Fr. n. s. vii. 171.
<i>Newtoniensi</i> , Davids.	(Terebrat. ?), M.	Nehou, Newton Abb., Torq., Woodboro'. Pilton, Braunton (T. M. Hall), Barn- staple, Coomhola (Ireland).	Davids. Mono. citat. Pal. Soc. p. 8. " " " " " " " " " "
<i>oblonga</i> , Sow.	 U.	Toula, Bogoroditsa, &c. Districts (Russ.)	" " " "
<i>peetinata</i> , Sem. & Moll.	 L.	Pelapaya, Ferrones, Houffalze, Sere- brianka.	Helmorsen, Explie. Carte Russ. p. 16. Bull. S. G. Fr. n. s. ii. 464, vii. 160.
<i>Pelapayensis</i> , De Vern.	(Phyllad.), L.	Bolivian Andes (S. America)	" " " "
<i>Peruviana</i> , ['] D'Orb.	Sandstone, L.	Hope's Nose, Ferrones, Nehou (France)	D'Orb. Voyages S. Amer. iii. 227.
<i>phalæna</i> , ['] Phill.	 L.	Jasper, Steuben Co., Randolph, Albion.	Phill. Pal. Foss. Devon. p. 71.
<i>polita</i> , ['] Hall.	Chem. U.	Gerolstein, Schonecken, Dalciden, &c.	Palæont. New York, iv. 293.
<i>prunulum</i> , Schnur.	Grauw. L'st., M., L.	Toula, Bogoroditsa, &c. Districts (Russ.)	Palæont. D. & Von M. iii. 190.
<i>Puschiana</i> , Do Vern.	Marl & Dolomite, M.	Bosanquet (Canada West)	Helmersen, Explie. Carte Ross. p. 16.
<i>rostrata</i> , ['] Hall.	Ham. Sh. M.	Haldimand, Cayuga (Canada West) ...	Can. Journ. 1861, p. 32.
<i>scitula</i> , ['] " "	Cornif. Limest., L.	Sandusky (Ohio)	" " " " " " " " " "
<i>spiriferoides</i> , ['] " "	Cornif. & Ham., L., M.	Couvin (Belgium), Houffalze?	Geol. Rep. Ohio, 1873, i. 144.
<i>squamigera</i> , Stein.	Sh. & Limest., L.	" " " " " " " " " "	D'Om. d'Halloy, Précis Géol. p. 575.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
subconcentrica, D'Arc.&Vern.	L.....	Sabero, Ferrones, Pordetras de la Pena	Bull. Soc. Géol. Fr. n. s. vii. 160.
? subundata, Münst.	Clymen. Limest., U.	Schübelhammer (Franconia)	Beiträge &c. iii. 76.
toreno, D'Arch. & De Vern.	L.....	Ferrones, Cerro de los Palacios	Bull. S. G. Fr. n. s. ii. 469, vii. 160.
? tumida, Dalm.	L.....	.....	Can. Journ. vi. 142.
undata, De France.	L.....	Vallenegrillo, Levanza, &c., Brulon, Tchuboukla.	Bull. S. G. Fr. n. s. vii. 160, xviii. 30; Tchihat. Asia Minor, Append. p. 38.
unisulcata, Conrad.	Cornif. Limest., L.	Haldimand	Can. Journ. n. s. v. 279.
ventrosa, var. concentrica, Schnur.	M.....	Eifel (passim in Greywacke)	Palæont. D. & Von M. iii. 193.
vittata, Hall.	Corn. L's., Ham., L., M.	New Buffalo, Iowa Co., Ohio Falls, [Charlston Landing,	Palæont. New York, iv. 289.
spec. indet., Davids.	L.....	Looe (Cornwall)	Davids. Mono. Br. Dev. Pal. Soc. p. 19.
Athyra, Dalman, 1827.	Spirigerina, D'Orbigny.	Couvin	D'Om. d'Hallo, Précis Géol. p. 576.
affinis, Schloth.	Sch. & Limest., M.	Aliana (Gov. Voroneje)	Murch., Vern. & Keys. Geol. Russ. ii. 95.
Alinensis, De Vern.	M.....	Eifel, Barton (Devonsh.)	D'Orb. Prodr. i. 92.
amsodonta, D'Orb.	M.....	Cochabamba (S. America)	" i. 95.
Antisensis, " "	M.....	Bogoslowsk, Tomsk, river Inja	Lethæa Rossica, i. 743.
Arinaspis, De Vern.	Red Sandstone, U.	Cochabamba (S. America)	D'Orb. Prodr. i. 95.
armigera, D'Orb.	M.....	N. York, Pennsylvania, Ohio, Iowa, riv.	Davids. Mono. Br. Dev. Pal. Soc. p. 53;
aspera, Schloth.	Shales	Mackenzie (N.N.W. Amer.), Alaska, Petschora, Russ ^a Pol ^d , Rhine, Spain, France, Britain, Harz, Belgium, &c.	Trans. Acad. Sci. Chicago, i. 73, 96.
reticularis, Linn.	Calcar. Sh., M.	New Buffalo, Davenport, Independence Rock, Isle Co.	Owen, Report Minnesota &c. p. 624.
spinosa, Hall.	.....	Ferques (France)	D'Orb. Prodr. i. 92.
var. occidentalis, " "	.....	River des Moines, Louisville (Ohio) ...	Troost, 5th Ann. Report, Tennessee.
Boloniensis, D'Orb.	Cornif. Limest., L.	Looe, Plym., Newton Abbot, Petherw., &c., Poland.	Davids. Mono. Br. Dev. Pal. Soc. p. 58.
comis, D. D. Owen.	Limestone, L., M., U.	Newton Bushell (Devonsh.)	Quart. Journ. G. S. L. xix. 492.
desquamata, Sow.	.....	Petschora-Land (passim)	Helmersen, Explic. Carte Russ. p. 17.
dumosa, Phill.?	" M.	Springfield (New York), Izé (France)	Vanux. Geol. N. York, 3rd Distr. p. 123.
Duboisii, De Vern.	L., M.	Petherwin, Barnstaple	Trans. G. S. L. ser. 2, v. pl. 4.
elongata?, Conrad.	Oriskany Sandst., L.	Ebersdorf (Saxony) (or pass-bed) ...	Palæont. D. & Z. xix. 148.
fallax, Phill.	Slate & Limestone, U.	East Bethany (New York)	Amer. Journ. Sci. n. s. xli. 121.
fibrosissima, Tietze.	Clymen. Limest., U.	Torquay, Woolbro, Belg., Rhen. Prussia	Davids. Mono. Br. Dev. Pal. Soc. p. 58.
fimbriata, Ham.	M.....	Petherwin (Cornwall)	Trans. G. S. L. n. s. vi. 393.
flabellata, Goldf.	Limestone, M.	Bath (N. Y.), Newton Bush. (Devons.)	Palæont. N. Y. iv. 326; Quart. Journ. G. S. L. xix. 492.
hispidia, Schloth.	U.....	Plymouth (Devonsh.)	Trans. G. S. L. ser. 2, vi. 393.
hystrix, Hall.	Chem. ....U.....	Schoh., Knox, Clarksv., Coeymans, &c.	Palæont. New York, iv. 315.
impleta, Schloth.	Limestone, M.	Nehou (France)	Prodrome, i. 92.
impressa, Hall.	Schoh. Gr ^p , L.	Torquay, Hope's Nose (Devonsh.) ...	Trans. G. S. L. n. s. vi. 396.
inornata, D'Orb.	L.....	Schalke, Prum, Pendik, Mont Géant,	Davids. Mono. Br. Dev. Pal. Soc. p. 52;
lens, Phill.	M.....	Kouroutchesme, Sablé, Joué, Barton, &c.	Palæont. D. & Von M. iii. 180; Bull. Soc. Géol. Fr. n. s. iv. 322.
lepidia, Goldf.	Calceol. Sch., L., M.	Bosphorus (passim)	Comptes Rendus, lxi. 1218.
var. a, De Vern.	(fine striæ), L.	River Volkboff, Boureggh, river Inya.	Lethæa Rossica, i. 745.
micans, Von Buch.	Old Red Sandst., M.	Barton (Devonsh.)	Prodr. i. 33.
multidens, D'Orb.	M.....	Hierges (France), Vireux, Ferrones.	Schultze, Geol. Oviedo, p. 40; Bull. S. G. Fr. ii. pl. xiv.
Oliviani, De Vern.	(Gosselet, MS.), L.	Almaden, Sierro Moreno, Asturias? (Spain).	Murch. Siluria, ed. 4, p. 418.
Orbiguiana, " "	L.?	Kahleberg	Palæont. D. & Von M. xiii. 220.
ovalis, Schnur.	Spirif. Sandst., L.	Falkland Islands (S. America)	Quart. Journ. G. S. L. ii. 276.
<i>Terebr. dividua.</i>	?	? New York	Annual Report, 1841.
palmata, Morr. & Sharpe.	?	Cochabamba (S. America)	Prodr. i. 95.
peculiaris, Conrad.	Oriskany Sandst., L.	Cilicia, Nicomedia, Schalke, Givet, Eifel, Huy, Couvin, Blacourt, Prussino, &c.	Tchihat. Bull. S. G. Fr. n. s. i. 684, vii. 389, ix. 402; Röm. Ver. Harz, p. 18.
Peruviana, D'Orb.	L.....	Basins Zinief and Tomsk	Tchihat. Bull. S. G. Fr. n. s. i. 684, vii.
prisca, Schloth.	(in 5 horiz.), L., M., U.	Jefferson Co. (Kent.), riv. Des Moines	Report Minnesota &c. p. 624.
var. explanata, De Vern.?	U.....	Jasper, Steuben Co. (N. York), &c. ...	Palæont. New York, iv. 293.
" " " D. D. Owen.	Ham. ....M.....	Torquay (S. Devonsh.)	Phill. Pal. Foss. Devon. pl. 34.
? polita, Hall.	U.....	Schoharie Co. (New York)	Palæont. New York, iv. 327.
proboscoidalis, D'Orb.	UHL. ....L.....	Barton (Devonsh.), Bensberg (Rhine)	Pal. Foss. Devon. p. 87.
pseudomarginalis, " "	M.....	See Appendix. (Almost universal in Devonian, Hall.)	Davids. Mono. Br. Dev. Pal. Soc. p. 53;
? pugnus, Sow.	L., M., U.	Eifel, Ulbiusk (Altai), Gcinitz	Bronn, M'Coy, &c.
reticularis, Linn.	L., M., U.	(See above.)	Hall, Palæont. N. York, iv. 322.
affinis, Schlot.	Stringoc. ....M.....	Refrath, Paffrath (Rhenish Prussia) ...	Trans. G. S. L. n. s. vi. 391.
var. aspera, Schlot.	L., M., U.	Belg., Rhen. Pruss., Torquay, Woolboro	Davids. Mono. Br. Dev. Pal. Soc. p. 58.
" ? desquamata, Kayser.	M.....	Petschora, Erquelines, Couvin, Gerolst.	Gosselet, MS.; Pal. D. & Von M. iii. 183; Helmers. Expl. Carte Rus. p. 17.
" explanata, Schlot.	Calceol. Sch., M.	New Buffalo, Davenport, Virginia, Marylaud, New York.	Hall & Whitn. Geol. Rep. Iowa, p. 515.
" flabellata, Goldf.	Calceol. Sch., M.	Eifel	Zeitschrift &c. 1871, p. 369.
" latelinguis, Schnur.	Upp. Calc. Sch., L., M.	.....	.....
" occidentalis?, Hall.	Ham. ....M.....	.....	.....
" plana, Kayser	Crinoid Sch., M.	.....	.....

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
Schnurii,	D'Orb.	M.	(Eifel), Schönecken, Pelm.	Palæont. D. & Von M. iii. 169 &c.
spinosa,'	Hall.	L., M., U.	With <i>A. reticularis</i> generally, Hall	Palæont. New York, iv. 322.
aspera,				
squamifera,	Schnur.	M.	Eifel (passim), Bensberg, Menzenberg	Palæont. D. & Von M. iii. 181.
reticularis.				
striatula,	Schnur.	U.	Fowey, Petherwin, Barnstaple	Trans. G. S. L. ser. 2, v. 704, vi. 393.
subdentata,	Kayser.	Clymen. Limest., U.	Petherwin, Schübelhammer	pl. 54; Münst. Beiträge &c. p. 78.
sublepidata,	De Vern.	M.	River Sosva (Ural), Voroneje (Russia)	Murch., Vern. & Keyserl. Geol. Russ. ii. 96.
subundata,	D'Orb.	Clymen. Limest., U.	Schübelhammer (Franconia)	Beiträge &c. iii. 76, Münster.
tenuilineata,'	Hall.	U.	Petherwin (New York)	Quart. Journ. G. S. L. xix. 492.
unguiculus,		M., U.	Barton, Petherwin, Barnstaple, Pilton	Trans. G. S. L. ser. 2, vi. 393.
unguiformis,'		L.	Oriskany Falls (N. Y.), Pennsylvania, Nictau (Nova Scotia).	Canadian Nat. v. 140; Rogers, Geol. Pennsylv. p. 826.
venusta,	Schnur.	Grauwacke, L.	Hontheim, Daun, Bensberg	Palæont. D. & Von M. iii. 180.
anoplotheca.				
vetusta,	"	L.	Daleiden, Irrhausen (Eifel)	" " " 240.
zonata,	"	Limest. & Sch., M.	Oberkuzend., Schönecken, Weinsheim	" " " 182.
new spec. (2),'	Owen.	Shell-beds, M.	New Buffalo, Rockingham (Iowa)	Geol. Rept. Minnesot. &c. p. 624.
spec. indet.,	Salter?	L.	Hottentot's Kloof, Cedar Berg, S. Africa	Trans. G. S. L. ser. 2, vii. 205.
Aulosteges , <i>Helmersen</i> , 1847.		Subgenus of <i>PRODUCRUS</i> , Davidson.		
Cammarophoria , <i>King</i> , 1844.		Subgenus of	Terebratula (pars) , Rhynchonella (pars) , <i>D'Orbigny</i> .	
Eucharis,'	Hall.	Cornif. Limest., L.	Canada West	Palæont. N. York, iv. 368.
formosa,	Schnur.	Sch. & Limest., M., U.	Virelles (Belg.)	D'Omal. d'Hallo, Précis, &c. p. 577.
microrhyncha,	Steining.	M., U.	Couvin (Belg.), Eifel (Dr. Kayser)	p. 576.
? Polonica,	Ferd. Röm.		Kielce (Upper Silesia)	Geol. Upper Silesia, p. 37.
protracta,	Sow.	Calceol. Limest., M.	Eifel.	
rhomboidea,	Phill.	M., U.	Grund (Harz), Petherwin, Barton, &c. (Devonsh.) (Carbonif. in Engl. &c.)	Palæont. Foss. Devou. p. 88.
Schlotheimi?,	Hall.			
subreniformis.	Schnur.	Goniat. Sch., U.	Eifel, Nassau, Belgium	Zeitschrift &c. 1871, p. 374.
Centronella , <i>Billings</i> , 1849.				
alveata,'	Hall.	Onond. Limest., L.	New York	Palæont. N. York, iv. 401.
Billingsii,'	"			
Glansfagea,'	"	Orisk.Sand., UHL., L.	Albany and Schohar. Counties (N.Y.), Rama's Farm (Canad. West).	Canadian Nat. iv. 131; Canada Journ. n. s. iv. 271.
Glaucia,'	"	Ham. ....M.	Schohar. Co.	Palæont. N. York, iv. 403.
Hecate,'	Bill.	Orisk.Sand., UHL., L.	Union Co. (Illin., Worthen), Cayuga (Canada West).	" " 420.
impressa,'	Hall.	Ham. ....M.	Bellona, York, Pavilion, Hamburg (N. Y.).	" " 402.
ovata,'	"	UHL. ....L.	Cayuga (Canad. West)	" " 419.
tumida,'	Bill.	Orisk.Sand.&Cornif. Limest., L.	Haldimand, Rama's Farm (Can. West)	Geol. Canada, 1863, p. 374.
Charionella , <i>Billings</i> , 1859.				
rostrata,'	Billings.	Cornif. Limes. & Ham., L., M.	Bosanquet (Canada West)	" " 253.
spec. indet.,	"		South-east shore of Lake Huron	" " 374.
Chonetes , <i>Fischer de Waldheim</i> , 1837.				
acutiradiata,'	Hall.	Cornif. Limest., L.	Williamsville, Clarence Hollow, Stafford (N.Y.), Ohio Falls (Kentucky).	Palæont. N. York, iv. 120.
Antiope,'	Bill.	L.	Mount Jolli, Split Rock (Gaspé)	Canad. Surv. Pal. Foss. ii. 19.
arcuata,'	Hall.	Cornif. Limest., L.	Williamsville, Clarence Hollow	Palæont. N. York, iv. 119.
armata,'	Bouchard.	Sch. & Famenne, M., U.	Rhisné, Bas Boulonnais, Amblain, Virelles, &c., Franchimont (France), Devil's Back-bone (Illinois).	Gossclot MS.; Koninck, Recherches, p. 216; Journ. Acad. Nat. Sc. Philad. iii. 28.
Boblayei,	"	L.	Brulon, Viré, Kartal, Guenk-sou (Bosphorus).	Bull. Soc. Géol. Fr. n. s. vii. 783, xi.; Tchihatcheff, Asia Min. Append. p. 12.
Boulangeri,	Rouault.	L.	Gahard, D'Izé, Vitré (Le Cotentin)	Bull. Soc. Géol. Fr. n. s. iv. 323; Mém. Soc. Nat. Hist. Cherbourg, x. 201.
Bretzii,	Schnur.	L., M.	Gerolstein, Rommersheim (Eifel)	Palæont. D. & Von M. iii. 243.
Canadensis,'	Bill.	L.	Roche Percé, Baiedes Chaleurs, Gaspé	Canad. Surv. Palæont. Foss. ii. 17.
comoides,	Sow.	Givet Limest., M.	Visé (Belgium) (usually Carbonif.)	Bull. Soc. Géol. Fr. n. s. xx. 767.
complanata,'	Hall.	Orisk. Sandst., L.	Schoharie and Albany Counties	Hall, Palæont. New York, iii. 418.
coronata,'	Conrad.	UHL., Ham., L., M.	Cayuga, Canandaig. & Seneca Lakes &c. (N. Y.).	Palæont. New York, iv. 133.
var. Konincki,'	Nor. & Pr.	M.	Jonesboro' (Illinois)	" " 136.
var. Littoni,'	"	Ham. & Famenne, M.	Rock Island, Bake-oven (Illinois)	Geol. Rep. Illinois, i. 122.
var. Maclurei,'	"	M.	Bake-oven (Illinois)	Palæont. New York, iv. 136.
var. Martini,'	"	M.	"	" " "
var. Tuomeyi,'	"	M.	"	" " "
crenulata,	Ferd. Röm.	Stringoc. ....M.	Keldernick, Chinay, Blankenheim, &c.	Koninck, Recherch. 1847, p. 228; Palæont. D. & Von M. iii. 226.
Dawsoni,'	Billings.	L.	Percé Bay, Chaleurs (Gaspé)	Canada Surv. Palæont. Foss. ii. 19.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.	
<i>deflecta</i> , <i>gibbosa</i> , <i>dilatata</i> ,	Hall. Ferd. Röm.	UHL., Ham., L., M. (4 sediments), L., M.	Cayuga and Canandaigua Lakes, York, Moscow, &c. (N.Y.). Masburg, Pesch, Magey, Avesnes, Weilburg, Hierges, Houffalize, Diez, Coblenz, &c.	Palæont. New York, pp. 14, 126. Gosselet, MS., 1870; Bull. Soc. Géol. Fr. n.s. xiv., xxiv.; Kon. Recherch. p. 196; Palæont. D. & Von M. iii. 227.
<i>Emmetensis</i> , <i>Falklandica</i> , <i>Galatea</i> , <i>Hardrensis</i> , <i>sarcinulata</i> , <i>sordida</i> , <i>Leptæna semiradiata</i> .	Winchell. Morr. & Sharpe. Billings. Phill.	Ham. M. L. M. Limest. no. 8, pass.-b. (5 sedim.). L., M., U.	Little Traverse Bay (Michigan) Falkland Isles (S.S.E. Amer.) Indian Cove (Gaspé Bay) Looe, Meadfoot, Linton, Baggy, Braunton, Bosphorus, Kanlidjii, Ural, Spain, Nassau, Singofen, St. Goar, Prum, &c., Indian Cove (Gaspé).	Geol. Rep. Mich. 1866, Append. p. 92. Quart. Journ. G. S. L. ii. 274. Geol. Surv. Canad. Pal. Foss. ii. 21. Comptes Rendus, lxiv. 1018; Verst. Nassau, p. 367; Siluria, 4th ed. p. 398; Murch., Vern., & Keyser. Geol. Russ. ii. 242; Phill. Palæoz. Foss. Devon. p. 138.
<i>hemisphærica</i> ,	Hall.	Orisk. Sand., UHL., L.	Helderberg Mountains (Schohar.), Haldimand (Canada West).	Palæont. New York, iv. 118.
<i>Iowensis</i> , <i>Laquessiana</i> ?, <i>laticosta</i> ,	D. D. Owen. " Hall.	Ham. M. " M. Limest. no. 8, L.	Iowa river Three miles below Rockingham (Iowa) Little Gaspé, Grand Greve, Indian Cove, Darien, Ogden, Conewango.	Rep. Minnes. &c. p. 624. Geol. Surv. Canad. Pal. Foss. ii. 20.
<i>lepidæa</i> ,	"	4 sedim. ... L., M., U.	Lake-Cayuga Ferry, Crooked Lake, Hamburg, Darien, Ludlowville, &c.	Palæont. New York, iv. 132.
<i>lineata</i> , <i>glabra</i> , <i>Logani</i> ,	Vanuxem. Norw. & Pr.	Cornif. Limest., L.... UHL., Ham., L., M., U. Chemung.	Oneida Falls, Manlius, Cherry valley, Marcellus, Jamesville (N.Y.), &c. Tully, De Ruyter (N.Y.), Licking and Medina Counties (Ohio), Des Moines, Burlington, Quincy (Iowa), Michigan.	" " 123. Winchell, Proc. Acad. Nat. Sc. Philad. 1865, p. 116.
var. <i>aurora</i> , <i>melonica</i> , <i>miuuta</i> ,	Hall. Billings. Goldf., Von Buch.	Tully Limest., M. Passage-bed, Limest. Black Limest., Cal-	Tully, De Ruyter, Medina, &c. Counties. Little Gaspé (Canada East) Hierges, Vilmar, Schonecken, Bigge, Olpe, Riesbach, Monmignies, Dailly, Nowa Slupia, Saxony, Les Cour-	Hall, Palæont. New York, iv. 139. Canad. Surv. Pal. Foss. 1874, ii. 16. Gosselet, MS.; Pal. D. & Von M. iii. 9, 227; Verst. Nassau, p. 367; David- son, Mon. Br. Dev. Pal. Soc. p. 96; Bull. Soc. Géol. Fr. n. s. vii. 783.
<i>mucronata</i> ,	Hall.	Cornif. Limest., Mar-	Manchester, Williamsville, Clarence	Palæont. New York, iv. p. 124.
var. <i>laticosta</i> , <i>muricata</i> , <i>nana</i> ,	" De Vern.	cellus Shale, Ham. Group, L., M. Chem. Calc. Sand., U. UHL., Cornif. Limes, Ham. Group, Green-	Hollow, Buffalo, Avon, Pratt's Falls (N.Y.), &c., Illinois. Ellington (N.Y.), Meadville (Pennsylv.) Missouri, Rockingham, Ohio Falls, Charleston, Lauding, Thuringia, Schubelhamm, Magwitz, Feké, Ural, Lassiche (Altai).	XX. Rep. Regents N. Y. p. 148. Owen, Rep. Minnesota &c. p. 624; Swal- low, Rep. Miss. i. 107; Bull. Soc. Géol. Fr. n. s. iv. 705, xi. 409; Tchiach. Asia Minor, Append. p. 12.
<i>obtusangula</i> , <i>papilionaceus</i> , <i>Pechoti</i> , <i>pectinata</i> , <i>plicata</i> , Sow. <i>pusilla</i> ,	Ad. Röm. Phill. Rouault. Ad. Röm.	Wissenb. Sch., L. Limestone, U. M. Wissenb. Sch., L.	Festenberg (Harz) Ferques Gahard, Izé Festenberg	Palæont. D. & Von M. iii. 78. Quart. Journ. G. S. L. ix. 235. Bull. S. G. Fr. n. s. ix. 323, viii. 392. Palæont. D. & Von M. iii. 78, xii. 224.
<i>scitula</i> ,	Hall.	Ham. M.	Bake-oven, Rock-Island Co. (Illin.), Fort Resolution, N.N.W. Amer.	Worthen, Rep. Illinois, i. 122.
<i>setigera</i> ,	"	UHL., Ham. Chem., L., M., U.	Seneca, Canand., Cayuga Lakes, Mos- cow, Hamburg, Ithaca, Chataque Co., Meadville, &c. (N.Y., Pennsylv.).	XX. Rep. Regents N. Y. p. 148; Palæont. New York, iv. 129.
<i>Shumardiana</i> , <i>simplex</i> , <i>subquadrata</i> , <i>Yaudellana</i> , <i>spec. indet.</i> ,	Koninck. Ad. Röm. Spirif. Sand., L. Hall. Meek.	Portage Group, U.... Calceol. Sch., M. L. Cornif. L'st., &c., L., M. Ham.?, Bituminous Limest., M.	Union Branch Co. Rammelsberg (Harz) Kahleberg (Harz) Ohio Falls, Jeffersonville Fort Resolution (N.W. Arctic Amer.)	Proc. Acad. Nat. Sc. Phil. 1862, p. 411. Palæont. D. & Von M. xiii. 306. " " " iii. 2. Palæont. New York, iv. 123. Trans. Ac. Sc. Chicago, i. 68.
" " (2), " (2), " (2),	Worthen. Salter? D. D. Owen. Billings.	" M. Sandstone, L. Ham. M. Sandstone	Rock Island (Kentucky) Warm Bokkeweld, S. Africa Iowa river Gaspé (E. Canada)	Geol. Rep. Illinois, i. 121. Trans. G. S. L. ser. 2, vii. 205. Rep. Minnesota &c. 624. Geol. Canada, 1863, p. 398.
Cœlospira , <i>Camilla</i> ?, <i>concava</i> ,	Hall. "	UHL., Cornif. L'st., L. Cornif. Limest., L.	? Caledonia &c., Western N. York, Can. W.	XV. Rep. Regents N. Y. p. 159. Palæont. D. & Von M. iv. 329.
Crania , Retzius, 1781. <i>anomala</i> , <i>aurora</i> , <i>bella</i> , <i>crenistriata</i> , <i>gregaria</i> , <i>Hamiltoni</i> ,	Winchell. Hall. Billings. Hall. " "	Ham. M. Shoharie Grit, L. Passage-bed no. 5 ... Ham. M. Shale, M. M.	Pseudocrania , McCoy, 1851. (Acervularia beds), Grand Traverse Bay Knox, Albany Co. (N. Y.) Cape Bon Ami (Canada East) Ontario, Geness. Co., 18-m. Creek (N.Y.) Bristol, Ontario and Geness. Co., N. York Maryland, Virginia, W. New York (passim).	Geol. Rep. Michigan, 1866. Palæont. New York, iv. 27. Canad. Surv. Pal. Foss. 1874, ii. 15. Palæont. New York, iv. 28. " " " 29. " " " 27.
<i>Leoni</i> , <i>obsoleta</i> ,	" Goldf.	Chem. U. L., M.	Leon, Cattaraugus Co. (N.Y.) Gees, Ferques, Nehou, &c., Kwang-si, China.	" " " 30. Palæont. D. & Von M. iii. 229.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
<i>prisca</i> , Goldf.	Limestone, M.	Couvin (Belgium)	Palæont. D. & Von M. iii. 230.
<i>proavia</i> , " "	" M.	Gees by Gerolstein (in Stages 3 & 5)	" " 238.
<i>radicans</i> , Winch.	Ham. ....M.	(Acervularia beds) Little Traverse Bay	Geol. Rep. Mich. 1866, Append. p. 92.
<i>reposita</i> , C. A. White.	"M.?	Iowa (only 3 valves known)	Proc. Boston Soc. Nat. Hist. ix. 30.
<i>Sheldoni</i> , " "	Ham. ....M.	New Buffalo, Iowa city	" " 29.
? <i>transversa</i> , Davids.	"?	Budleigh-Salterton Pebble-beds, Devon	Quart. Journ. G. S. L. xxvi. 75.
<i>spec. indet.</i> , Sharpe.	"U.	Ferques (Boulonnais)	" " ix. 253.
Cryptonella , Hall, 1859.			
<i>Eudora</i> , " "	"U.	Ithaca, Chemung Narrows (N. Y.), Licking Co. (Ohio).	Palæont. New York, iv. 398.
<i>Iphis</i> , " "	Cornif. Limest., L.	Cayuga (Canada West)	" " 396.
<i>lens</i> , " "	" " "	" " "	" " 397.
? <i>Linklæna</i> , " "	Ham. ....M.	Hamilton, Delphi Falls, Kelloggsville	" " 397.
<i>planirostra</i> , " "	"M.	Genesee, Pavilion, Seneca, Canandaigua Lakes (N. Y.).	" " 395.
<i>rectirostra</i> , " "	"M.	Bellona, York, Moscow, &c. W. N. Y.	" " 394.
Cyrtina , Davidson, 1858.	Cyrtia (pars), Dalm.		
<i>affinis</i> , Bill.	Limestone No. 8, L.	Grand Greve, Gaspé (Canad. E.)	Canad. Surv. Pal. Foss. ii. 49.
? <i>amblygona</i> , Phill.	Limestone, M.	Torquay, Lummaton, &c. (Devonsh.)	Davidson, Mon. Br. Dev. Pal. Soc. p. 51.
<i>Billingsii</i> , Meek.	Ham. ?M.	Clearwater-river mouth (Arctic Am. W.)	Trans. Acad. Sc. Chicago, i. 64, 90.
<i>biplicata</i> , Hall.	Schohar. Grit &c., L.	Schohar. and Albany Counties	XX. Rep. Regents N. Y. p. 151.
<i>crassa</i> , " "	Cornif. Limest., L.	Vienna (New York)	Palæont. N. Y. iv. 267.
<i>curvilineata</i> , C. A. White.	Ham. ....M.	Iowa City	" " 270.
<i>de Marlii</i> , Bouchard.	"M.	Ferques, Torquay, Woolboro', &c.	Davidson, Mono. Brach. Devon. Palæontogr. Soc. p. 58.
<i>Spirifera subconica</i> .			
<i>Hamiltoniensis</i> , Hall.	Schohar. Grit, Cornif. Limest., Ham. Sh., Chemung Group, L., M., U.	Fort Resolution, River-McKenzie rapids, rivers Anderson and Porcupine, N. N. W. Amer., New York and Canad. W. passim, Ohio, Michigan.	Trans. Acad. Sc. Chicag. i. 75, 100; Canad. Nat. & Geol. n. s. vi.; Geol. Rep. Michig. Append. p. 86.
<i>var. recta</i> , " "	"U.	Phillipsburg (New York)	Palæont. N. Y. iv. 270.
<i>heteroclyta</i> , Defrance.	Cornif. Limest., Calceol. Sch., Frasnian Schist and Limest., Stringo. Limest., Ham. G ^p , Famenne G ^p , Iberg Limest., L., M., U.	Barton, Ilfracombe, Newton, Sabero, Ferrones, Vilmar, Blankenheim, Kerpen, Auerbahn, Grund, Chimay, Izé, Kanlidja, Arpatchai (Armen.), Ural, New York, Iowa, Kentucky.	M'Coy, Brit. Pal. Foss. p. 377; Bull. Soc. Géol. Fr. n. s. iv. 709, vii. 781, xii. 190, xvii. 59; Davidson, Mon. Br. Dev. Pal. Soc. p. 48; Comptes Rendus, lxiv. 1218; Siluria, ed. 4, p. 399.
<i>var. multiplicata</i> , Davids.	Stringoc. ....M.	Torquay, Barton, Lummaton	Davidson, Mono. citat. Pal. Soc. p. 49.
<i>var.</i>	Iberg Limest., U.	" ?	" ?
<i>Missouriensis</i> , Shnm.	Ham. ....M.	Callaway Co. (Missouri)	Trans. Acad. Sc. St. Louis, i. 647.
<i>Murchisonia</i> , Gosselet.	(Famenne) Sch., M., U.	Sains, Firon, Neuville, Comblenay, &c.	Gosselet, MS. 1870.
<i>occidentalis</i> , Swallow.	Ham. ....M.	Callaway Co. (Missouri)	Trans. Ac. Sc. St. Louis, i. 648.
<i>Panda</i> , F. B. Meek.	"M.	Onion river (Arctic Amer. long. W. 125°)	Trans. Ac. Sc. Chicago, i. 100.
<i>rostrata</i> , Hall.	Orisk. Sandst., Cornif. Limest., L.	Albany and Cumberl. Co's, Blanchard and North Cayuga (Canada West).	Palæont. N. Y. iii. 428, iv. 263; Geol. Canada, 1863, 361.
<i>triquetra</i> , " "	Ham. ....M.	Rock Island (Illinois)	Worthen, Geol. Rep. Ill. i. 121.
<i>umbonata</i> , " "	"M.	New Buffalo (Iowa)	" " " "
<i>undosa</i> , Schnur.	Crinoid. Schist, M.	Eifel	Kayser, Zeitschrift &c. 1871, " 370.
<i>spec. nova</i> , Grewingk.	? ?	Velikaja valley (Livonia)	Grewingk, Geol. Livonia &c. p. 32.
" "	Winchell.	Ham. ....M.	Little Traverse Bay, Lake Michigan.
Davidsonia , Bouchard-Chantereux, 1859; Brown.			
<i>Bouchardiana</i> , Vern.	Crinoid. Schist, L., M.	Schonecken, Chimay, Vilmar, &c.	Verstein. Nassau, p. 358; Palæont. D. & Von M. iii. 220.
<i>Verneuilli</i> , Bouchard.	"M.	Rivers Lenne, Agger, Vohne, Torquay, Newton Abbott, &c.	Siluria, 4th ed. p. 396; Davidson, Mono. citat. Pal. Soc. p. 74.
<i>Woodwardiana</i> ?, Koninck.	"M.	Chimay (Belgium)	Mém. Soc. Royale de Liège.
Delthyris , Dalm.	Spirifera , Sowerby, 1815.		
Discina , Lamarck, 1819.	Orbicula , Owen, &c.		
<i>acuticosta</i> , Sndbrgr.	Stringoc. Limest., M.	Vilmar (Nassau)	Verstein. Nassau, p. 373.
<i>Allegghania</i> , Hall.	Chemung, U.	Hobbeville (New York)	Palæont. N. Y. iv. 25.
<i>ampla</i> , " "	Oriskany Sandst., L.	New York	" " " "
<i>Doria</i> , " "	Ham. ....M.	Hamilton, Seneca Lake, and Canada W.	" " " "
? <i>Edgellii</i> , Davids.	"M.	Pebble-beds Budleigh-Salterton	Quart. Journ. G. S. L. xxvi. 78.
<i>Elmira</i> , " "	Chem. Shales, U.	Elmira (N. York), Wellsboro' (Pennsylv.)	Palæont. N. Y. iv. 24.
<i>grandis</i> , Vanuxem.	Ham. ....M.	Cazenovia, Pratt's Falls, Moscow	" " 17.
<i>humilis</i> , Hall.	Marcell. Sh., Ham., M.	Canandaigua Lake, Bridgewater	" " 16.
<i>incerta</i> , Davids.	"M.	Pebble-beds Budleigh-Salterton (Devon.)	Quart. Journ. G. S. L. xxvi. 77.
<i>Lodensis</i> , Hall.	Genesee Slate, M.	Lodi, Bigstream Point, Bear Creek (Canada West).	Palæont. N. Y. iv. 22.
<i>marginata</i> , Sndbrgr.	Orthoc. Sch., L.	Wissenbach, Cramberg (Nassau)	Verstein. Nassau, pp. 372, 482.
<i>media</i> , Hall.	Ham. Chem., M., U.	Ovid, Seneca and Canandaiga. Lakes Troupsburg.	Palæont. N. Y. iv. 20.
<i>minuta</i> , " "	Ham. in Shale &c., M.	Avon (New York), Pennsylvania	" " 16.
<i>neglecta</i> , " "	"U.	Ithaca (New York)	" " 24.
<i>nitida</i> , Phill.	Also Carb. & Perm., U.	Muddiford, Sloy quarr. &c. (N. Devon.)	Davidson, Mono. citat. Pal. Soc. p. 104.
<i>Randalli</i> , Hall.	Ham. Shale, M.	Schoharie Co. (New York)	Palæont. N. Y. iv. 18.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Seneca,' Hall.	Ham. Upper, M.	Seneca Lake (eastern shore)	Palæont. N. Y. iv. 20.
truncata,' "	Genessee Slate, M.	Lodi, Bigstream Point	" " 23.
tullia,' "	.....	Ovid (New York)	" " 22.
Vicaryii,' Davids.	.....	Budleigh-Salterton Pebble-beds	Quart. Journ. G. S. L. xxvi. 77.
spec. indet.,' Keyser.	Stages 2, 3, 4, 5, M.	Eifel	Zeitschrift &c. 1871, pp. 368-370.
" Hall.	.....	Bridgewater (Oneida Co., New York)	Palæont. N. Y. iv. 21.
Eatonia , Hall, 1856.			
peculiaris,' Hall.	Oriskany Sandst., L.	Albany, Schohar., Green Counties, &c.	Palæont. N. Y. iii. 436.
	L.	Limestone No. 8, Gaspé &c. (Can. East).	
pumila,' "	L.	Albany Co. (N. Y.)	" " 437.
sinuata,' "	L.	Cumberland Co. (Maryland).....	" " 438.
Whitfieldi,' "	L.	" "	" " "
Gypidia , Dalman. Pentamerus , Sowerby.			
Gypidula , Hall, 1867.			
leviuscula,' Hall.	UHL. ....L.	Waterloo (Iowa)	Palæont. N. Y. iv. 381.
occidentalis,' Ham.	M.	Independence Town (Iowa), Little Traverse Bay.	" " 380; Winch. Rep. Michigan.
<i>Pentam. occidentalis.</i>			
Hoplothea , Schnur.			
venusta,' Schnur.	Phyllade ...L.	Houffalize (Belgium)	D'Omal.D'Hailoy, Précis Géol. p. 515.
Ithyris , D'Orbigny. Rhynchonella .			
Leiorhynchus , Hall, 1860.			
dubius,' Hall.	Marcell. Sh., M.	New York State	XX. Rep. Regents N. Y. p. 161.
globuliformis,' Vanux.	Chem. ....U.	Otsego Co. and South-east New York	" " "
Huronensis,' Nichols.	Ham. Shale, M.	Widder (West Canada).....	Geol. Mag. n. s. i. 120. " "
Kelloggi,' Hall.	Ham. ....M.	Northern Ohio, New York State	Palæont. N. Y. iv. 361.
limitaris,' Vanuxem.	Marcell. Sh., Goniati.	Schohar., Marcellus, Avon, Alden, Limest., M., U.	" " 356.
	Chem. ....U.	Morgan &c. (Ohio), Steuben Co. &c. (Mid. New York).	" " 362.
mesocostalis,' Hall.	Ham. Shale, M.	New York State (passim), Widder, Ennskillen, &c. (Canada West).	" " 358; Winch. Rep. on Grand Trav. Reg. Mich.
multicosta,' Rhynch. Laura.	Goniatite Limest., U.	Schoharie, New York.....	Palæont. N. Y. iv. 357.
mysia,' "	.....	Ashtabula (Ohio).	" " "
Newberryi,' "	Genessee Sl., M.	Seneca and Cayuga Lakes, Ogden's Ferry, &c.	" " "
quadriscopulata,' Atrypa mesocostalis.	Ham. ....M.	Bryozoa beds, Little Traverse Bay Michigan.	Geol. Rep. Mich. 1866, Append. p. 86.
sesquipedatus,' Winch.	Chemung ...U.	Ithaca, Chemung Narrows &c., South New York.	Palæont. N. Y. iv. 362.
sinuatus,' Hall.	Stages 4, 5, M.	Eifel	Zeitschrift &c. 1871, p. 1371.
Leptæna , Dalman, 1827-28.	Marls, flags	River Ulabue (Russ.), Tula, Linchvin, Hope's Nose? (England).	Murch., Vern. & Keyser. Geol. Russ. ii. 59.
anaglypha,' Keyser.			
arcuata,' Vern.			
Bielensis, Ad. Röm.	Famenne Sch., Frasné Sch., Iberg Limest., M., U.	Bielschöhle, Harz, Lampret, Barvaux, (Belg.), Firon (France).	Palæont. D. & Von M. iii. 34; Gosselet, MS. 1870.
bifida, "	Calceol. Sch., M.	Festenburg (Harz)	Palæont. D. & Von M. v. 17.
Bohemica, Barrande.	L.	Viré (France), Bohemia	Siluria, ed. 4, p. 411.
Bouci, "	M.	La Manche, Le Cotentin (Fr.).....	D'Arch. Palæont. France, p. 45.
Calliaudi, Rouault.	Gahard (St. Aubin)		Bull. Soc. Géol. Fr. n. s. iv. 323.
caudata, Schnur.	Limestone, M.	Blankenheim, Emmersheim, Gerolstein	Palæont. D. & Von M. viii. 224.
clathrata, Rouault.	M.	Gahard, d'Izé	Bull. Soc. Géol. Fr. n. s. viii. 393.
clausa, Verneuil.	U.	" Viré.....	D'Archiac, Palæont. de Fr. p. 46.
colombaria, "	U.	Touwa (Elbourz Mountain, Armenia)	Bull. Soc. Géol. Fr. n. s. vii. 501.
coucentrica, Pacht.	White Calc. Sch.	Ussinsky Kurgan (Russ.)	Pacht, Untersuchung, p. 180.
crinita, Ad. Röm.	Calceol. Sch., M.	Bockwiese (Clautal)	Palæont. D. & Von M. iii. 73.
Davousti, Vern.	L.	Les Courtoisiers (Fr.)	Bull. Soc. Géol. Fr. n. s. vii. 782.
deltoidea, "	?	Nowa Slupia (Poland).	" " "
englypha, Winkler.	Limestone, M.	Eifel	Museum Teyler, p. 42.
Fischeri, Vern.	L., M., U.	River Don (Voroneje), Ferques, Gahard, Izé (Fr.).	Murch., Veru. & Keyser. Geol. Russ. ii. 233; Bull. Soc. Géol. Fr. n. s. iv. 323, viii. 377.
gigas (Strophomena), M'Coy.	Shale ....L., U.	Looe, Polruan (Cornwall).....	Brit. Palæont. Foss. 1855, p. 386.
Gualteri, Rouault.	M.	Izé, Gahard, &c.	Bull. Soc. Géol. Fr. n. s. iv. 323, viii. 393.
inaequistriata,' D'Orb.	UHL., Ham., L.	Parkhurst, New Buffalo (Iowa), Charleston landing (Indiana), Ohio Falls, Moscow (New York).	D. D. Owen, Rep. Minnes. &c. p. 599.
inflata (Strophom.), Ad. Röm.	Spirif. Sandst., L.	Schalke, Kahleberge (Harz)	Palæont. D. & Von M. iii. 69.
interrupta, Sow.	Limestone, M.	Plymouth	Trans. G. S. L. ser. 2, vi. 397.
interstitialis,' Phill.	Calceol. Sch., Eifel stages 1, 2, 3, 4, Chemung, L., M., U.	Prüm, Bükenh., Daleiden, &c., Glageon (North Fr.), Couvin, Dailly, Honney, Oberkuzendorf (Dr. Dames), Torquay, Bradley, Ogwell, &c., Chemung Narrows, Ithaca, Homer, &c.	Palæont. D. & Von M. iii. 12, 222; Palæoz. Fossil. Deron. &c. p. 61; Vanuxem, Geol. Rep. N. Y. 3rd Distr. p. 175.
irregularis, F. Röm.	Stages 3, 4, M.	Goes, Blankenheim, Gerolstein, &c.	Palæont. D. & Von M. iii. 224.
Strophom.		[of Good Hope.	[Bull. Soc. Géol. Fr. n. s. i. 684.
lata, Vern., Sow.	Grey Sandst., L.	Valleys of Zinief and Tomsk, Cape	Quart. Journ. G. S. L. ix. 1, For. Mem.;

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
laticosta, ¹ <i>Tropidoleptus</i> , Conrad.	Ham. L., M.	Looe, Meadsfoot, Gahard, Daun, Nowa Slupia, Hamilton Co. (N. Y.), Kelder (Bosph.), Cedarberg.	Davidson, Mono. citat. Pal. Soc. p. 87; Bull. Soc. Géol. Fr. n. s. iv. 705, xi. 413; Palæont. D. & Von M. iii. 220.
latissima, Leblancii, lepis, Bronn.	Bouchard. M. Rouault. L. Stages 2, 3, 4, L., M., U.	Ferques (Boulonnais) Izé, Gahard Prüm, Schöneck, &c., D'Avesnes, Bas-Boulonnais.	Quart. Journ. G. S. L. ix. 253. Bull. Soc. Géol. Fr. n. s. viii. 393. Palæont. D. & Von M. iii. 223; D'Arch. Palæont. de Fr. p. 46.
Lonsdalei, Rouault.	 L.	Rennes, St. Aubin du Cormier &c.	D'Arch. Palæont. de Fr. p. 46; Bull. Soc. Géol. Fr. n. s. viii. 394.
Llwydi, Mastrana, minor (Strophom.), Ad. Röm. Murchisoni, D'Arch. & Vern.	 M. L. Wissenb. Sch., L. L., M.	St. Aubin, Vitré (France) Sabero (Léon) Zeigenberger Teiche (Harz) Argenté, Chassegrain, Sabero, Rhen. Borders, Cerro del Hierzo, Siegu, Daleiden, Prüm, Bas-Boulonnais, Montigny-sur-Meuse.	Bull. Soc. Géol. France, n. s. viii. 393. 183. Palæont. D. & Von M. iii. 12. Bull. Soc. Géol. Fr. n. s. ii. 477, vii. 161, 782, x. 127, xii. 190, xix. 503, xxi. 306; Mém. Soc. Hist. Nat. Cherb. x. 201.
var. Naranjuana, Vern.	 L. Calceol. Sch., L., M.	Loué, Viré, &c., Sierra Morena Eifel (passim), Ferrones, Sabero (North Spain).	Bull. Soc. Géol. France, n. s. vii. 782. " " " 182.
var. plana, nobilis, nodulosa, pectinata, Phillipsii, Barrande.	Schnur. M'Coy. Phill. Goldf. Sandst. & Psammite, L., M.	Grauwacke, L. Limestone, M. Newton Bishop, Hope Eifel. Loué, Gahard, Bouillon, Eifel, Guadalperal, Bohemia, &c.	Palæont. D. & Von M. iii. 223. Brit. Palæont. Foss. p. 386. Palæont. Foss. Devon. &c. p. 56. Musée Teyler, Haarlem. Bull. Soc. Géol. Fr. vii. 782, xviii. 30; Mém. Soc. Hist. Nat. Cherb. x. 204.
plicata, polytricha, productoides, Murchison.	Sow. Ad. Röm. Goni. Limest., U. Rough Red Limes, M.	Spirif. Sand., L. Harz Pskoff, L. Ilmen, river Volkhoff, Prussino	Siluria, ed. 4, p. 395. Palæont. D. & Von M. iii. 26, xiii. 229. Murch., Vern. & Keyserl. Geol. Russ. ii. 44.
? reticulata, rugosa, Sedgwickii, D'Arch. & De Ver.	Hannah. Dalm. Spir. Sand., Calc. Sch.	M. ? Anor, Brulon, Izé, Prüm, Daleideu, Houffalize, Birkenthal, Guadalperal, Vallengrillo (Spain).	Trans. G. S. L. n. s. v. 704. Palæont. D. & Von M. iii. 105. Bull. S. G. Fr. n. s. vii. 782, xii. 1017; Palæont. D. & Von M. iii. 72, 221.
semiradiata, Sow.	 L.	Meadfoot, Fowey, Hierges (Ardennes), Daun, Prüm.	Trans. G. S. L. ser. 2, vi. 409.
sericea, signifera, squamula, subarachnoidea, Ver. & D'Arch. subplana, De Vern.?	 L. Schnur. Schist. L. M.	Braubach, Prüm, New-York State ... Gerolstein (only one valve known) ... River Tsilna (Voroneje Government) ... Eifel (stages 1, 2) Nehou (Le Cotentin) (N. York, U. S. A., Silur.).	" " " 397. Palæont. D. & Von M. iii. 242. Dr. Kayser, Petschora Reise, p. 218. Zeitschrift &c. 1871, p. 371. Bull. Soc. Géol. Fr. n. s. iv. 704.
subtetragona, subtransversa, Tchihatcheffi, D'Arch. & Vern.	Ferd. Röm. Schnur. Crinoid Sch., M. L.	Stringoc. Limest., M. Gerolstein (Eifel) Kartal, Arnaout-koi, Kanlydja.	Palæont. D. & Von M. v. 22. " " " iii. 223. Tchihatch. Voy. Asie Minor, Append. p. 56.
tæniolata, Thisbé, spec. indet. (2), " (2), " D'Arch. & De Vern.	Sndbrgr. D'Orb. Ad. Röm. Wissenb. Sch., L. L.	Phyllade ... L. M. M. ? Zeigenberger, Teiche, Festenburg Both sides of the Bosphorus.	Houffalize (Belgium) Nehou (France) Bockweise (Harz) " " " 78. Comptes Rendus, lxiv. 1218.
Leptocelia , Hall, 1856. acutiplicata, Conrad.	UHL. L.	Waterville, Cassville, Drylots, East Victor, &c.	Palæont. New York, iv. 365.
concava, Calospira, dichotoma, Calospira, fimbriata, flabellites, Conrad.	Hall. " Oriskany Sandst., L. " " Cornif. Limest., L.	Haldimand (Canada W.), Whitehead (Gaspé). Cumberland Co. (Maryland) Percé (Gaspé), Albany, Schoh., Green & Ulster Cos. (N. York), Virginia.	Can. Geol. & c. n. s. vi. 353; Geol. Can. 1863, p. 439. Palæont. New York, iii. 452. " " " 450. Hall, Palæont. New York, iii. 449; Can. Journ. n. s. vi. 351.
imbricata, propria, Lingula, Bruguière, 1789. alveata, Anayana, Ryckholdt.	Worth. Hall. Ham. Shale, M. U.	Clear Creek L'st., L. Oriskany Sandst., L. Canada. Ludlowville, Fulton Green (N. York) Amay (Liège), Namur (Belgium) ...	Geol. Illinois, i. 128. Hall, Descript. New Foss. 1857, p. 68. Palæont. New York, iv. 12. Mélange. Pal. pt. 2, p. 169; Mém. Acad. Belg. xxiv.
Artemis, bicarinata, Kutorga.	Billings. Pass.-bed, I'st. 5, L. Marly O. R. Sandst., M.	(Gaspé) Cap Bon Ami Krassnaja, Govt. St. Petersb. (passim), Fellin, Dorpat, &c. (Livonia).	Geol. Surv. Can. Pal. Foss. 1874, ii. 14. Bull. S. G. Fr. n. s. x. 189; Grewingk. Geol. Livonia &c. p. 22.
circularis, coryx, concentrica, Vanux.	T. M. Hall. Hall. Genessee Sh., M.	Cucullæa-bed, U. Schoh. Gr ² , L. Clarkesville, Albany Co. (N. York) ... Louisville, Ogden's Ferry, Cayuga Lake	Quart. Journ. G. S. L. xxiii. 377. Palæont. New York, iv. 6. Vanux. Geol. N. York, p. 168; Yand. & Shum. Contrib. Kentucky, p. 33.
cornica, Sow.	 M., U.	Verlevo (Govt. St. Petersb.), Dorpat, Elbersreuth, Wenlock, &c.	Lethæa Ross. i. 921; Trans. G. S. L. ser. 2, v. 424.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
<i>Delia</i> , [']	Hall. Ham. Sh....M.	Canandaigua Lake (New York)	Palæont. New York, iv. 12.
<i>densa</i> , [']	" " M.	Summit, Ontario Co. (New York) ...	" " 11.
<i>desiderata</i> , [']	" Cornif. Limest., L....	Lapham's Mill, Ontario Co. (N. York)	" " 6.
<i>exilis</i> , [']	" Marcell. Sh., M.	Bridgewater (N. Y.), and in Schoh. Co.	" " 7.
<i>Koninckii</i> , [']	Schnur. Grauw. with L'st., L. Goniatic Sch., U.	Daleiden?, Budesheim (Eifel)	Palæont. D. & Von M. iii. 229.
<i>Leana</i> , [']	Hall. Ham. Shale, M.	Bristol (New York)	Palæont. New York, iv. 8.
<i>Ligea</i> , [']	Bill. Port&Che.Gr ^{ps} , M, U.	Trumansburg, Seneca Lake (N. York)	" " 7.
var., [']	Hall. Ham. ....M.	New-York State	Geol. Surv. Can. Pal. Foss. 1874, ii. 7.
<i>Lucretia</i> , [']	Bill. Pass.-bed, Limest. 5, L.	Cap Bon Ami (Gaspé)	" " 14.
<i>Maida</i> , [']	Hall. Moscow Sh., M.	Moscow, Livingstone Co. (New York)	Palæont. New York, iv. 9.
<i>Manni</i> , [']	" UHL. ....L.	New-York State, Delaware Co. (Ohio)	" " 7.
<i>Marcellensis</i> , [']	Vanux. Marcell. Sh., M.	Marcellus, New-York State	Geol. New York, 3rd Distr. p. 149.
<i>Melia</i> , [']	Hall. Chem. ....U.	New-York State, Chagrin Falls (Ohio)	Palæont. New York, iv. 14.
<i>minima</i> , [']	Ad. Röm. Grey Marl, M.	Ilsenberg, Lower Duna, river Livonia	Grewingk, Geol. Livonia &c. p. 39.
<i>minuta</i> , [']	F. B. Meek. Genessee Sl., M.	Fort Resolution (Gt. Slave L.), Arct. Am.	Trans. Acad. Sci. Chicago, i. 87.
<i>Murchisoni</i> , [']	Rouault. ....M.	Gahard	Bull. Soc. Géol. Fr. n. s. viii. 398.
<i>nuda</i> , [']	Hall. Ham. Sh....M.	Monteith's Point, Canandaigua Lake.	Palæont. New York, iv. 10.
<i>palseaformis</i> , [']	" " M.	Cayuga Lake (New York)	" " 8.
<i>punctata</i> , [']	" " M.	Monteith's Point, Canandaigua L. (N.Y.)	" " 10.
<i>Salteri</i> , [']	Dauids. ....M., U. ...	Budleigh-Salterton pebble-bed	Quart. Journ. G. S. L. xxvi. 77.
<i>spatula</i> , [']	Schnur. Grauwacke, L.	Daleiden (Eifel)	Palæont. D. & Von M. iii. 229.
<i>spatulata</i> , [']	Worth. Black Slate, top Devon. bed, U.	Lodi, Ogden's Ferry (N. York), West and South Illinois.	Geol. Rep. Illinois, i. 119; Palæont. New York, iv. 13.
<i>squamiformis</i> , [']	Phill. <i>Cucullæa</i> -beds, Coom- hola in Ireland, U.	Baggy Point, Marwood, Pilton, Soly, Pleistow.	Quart. Journ. G. S. L. xix. 480.
<i>subdecussata</i> , [']	Sndbrgr. Orthoc. Limest., L....	Wissenbach, Cramberg (Nassau)	Sandberger, Verstein. Nassau, p. 480.
<i>subparallela</i> , [']	Richt. Cyprid. Sch., M., U.	Uckersdorf, Oberscheld, Magwitz (Sax.)	Zeitschr. &c. Berl. xxi. 388.
<i>subspatulata</i> , [']	M. & W. Low. Waverley Sa., U.	Illinois, Tennessee, Ohio, Kentucky...	Geol. Rep. Illinois, iii. 437.
<i>spec. indet.</i> , [']	Geinitz. ?	Ulbinsk (Altai)	Cotta, ?
"	Richt. Cyprid. Sch., U.	Thuringia	Zeitschr. &c. Berl. xxi. 388.
Martinia , <i>M'Coy</i> , 1855.	Subgenus of	Spirifera .	
<i>athyroides</i> , [']	Winch. Ham. ....M.	Little Traverse Bay (Lake Michigan).	Geol. Rep. Mich. Append. 1866, p. 86.
<i>Urii</i> , [']	Flem. Slate and Limest., U.	South Petherwin (Cornwall)	M'Coy, Brit. Palæoz. Rocks, p. 377.
Meganteris , <i>Hall</i> , 1856-57.	A subgenus.		
<i>Archiaci</i> , [']	De Vern. Spirif. Sandst., L. ...	Prüm, Waxweiler, Sabero, Aviles, Fer- rones, LeCotentin, Mt. Géant, Scutari, &c., Inia, Bogoslowks (Ural).	Palæont. D. & Von M. iii. 191; Bull. Soc. Géol. Fr. n. s. vii. 175, xii. 1016; Comptes Rendus, lxiv. 1218.
<i>elongata</i> , [']	Hall. See Amphigenia .		
Merista , <i>Suess, Hall</i> , 1860.	Camarium , <i>Hall</i> .		
<i>Houghtoni</i> , [']	Winch. Huron Gr ^p , U.	Lighthouse, Point aux Barques (Lake Huron).	Proc. Acad. Nat. Sc. Phil. 1862, p. 407.
<i>lata</i> , [']	Hall. Oriskany Sandst., L....	Schoharie and Albany Cos. (N. York), Cumberland Co. (Maryland).	Palæont. New York, iii. 431.
<i>lens</i> , [']	Winch. Ham. ....M.	Pleurotomaria & Stromatoporia beds, Little Traverse Bay.	Geol. Rep. Mich. Append. 1866, p. 86.
<i>plebeia</i> , [']	Sow. Cultrijugata Stufe (L.), L., M., U.	Torquay, Mountain Wise, Gerolstein, Elbersreuth.	Siluria, ed. 4, p. 278.
<i>polita</i> ? [']	Hall. Chem. ....U.	New-York State	Contrib. Pal. N. York, 1857, p. 91.
<i>scalprum</i> , [']	Ferd. Röm. Limestone, M.	Paffrath, Eifel, Viré	D'Arch. Pal. Fr. p. 89; Bull. S. G. Fr. n. s. vii. 780; Pal. D. & Von M. iii. 31, 64.
<i>scitula</i> ? [']	Hall. Cornif. Limest., L. ...	New York	Hall, Palæont. New York, iii. 175.
Meristella , <i>Hall</i> , 1859.			
<i>Barrisi</i> , [']	Hall. Marcell. Sh., M.	Leroy Co. (New York)	Palæont. New York, iv. 304.
<i>canalis</i> , [']	Murch. ....U.	Elbersreuth (Franconia)	Münst. Beiträge &c. iii. 77.
var. <i>corculum</i> , [']	Münst. ....U.	" "	" " "
" <i>reflecta</i> , [']	" " U.	" "	" " "
<i>Doris</i> , [']	Hall. UHL. ....L.	Williamsville, Schoh. Co. (N. Y.), Little Pine Brook, Haldimand (Can. W.).	Palæont. New York, iv. 303; Can. Journ. n. s. vi. 273.
<i>charionella</i> , <i>Bill</i> .	"	Seneca Lake, 18-mile Creek, Leroy, Livingstone Co.	XIII. Rep. Reg. N. York, p. 81, XX. p. 154.
<i>Haskinsi</i> , [']	" Ham. Sh....M.	Delphi (New York)	Palæont. New York, iv. 308.
<i>meta</i> , [']	" " M.	Albany & Schoh. Cos., Clarence Hollow, &c., Ohio-river Falls, Columbus, Milford, Haldimand, Malden, Port Colborne, Canada West.	" " 299; Canad. Journ. n. s. v. 274.
<i>nasuta</i> , [']	Schohar. Gr ^p , Cornif. Limest., L.	18-mile Creek, Ovid, Seneca Co.	Palæont. New York, iv. 307.
<i>Elissa</i> , [']	"	Clarence Hollow, Williamsville (N. Y.), Litt. Pine Brook, Haldimand (C. W.).	" " 302; Cana- dian Journ. n. s. vi. 273.
<i>Athyris clara</i> &c.	"	Buchenberg, near Elbingerode, Harz, Croyde, Devonshire.	Palæontographica, D. & Von M. iii. 64; Quart. Journ. G. S. L. xxiii.
<i>rostrata</i> , [']	" Tully Limest. &c., M.	Albany & Schoh. Cos., L. Canandaigua, Falls of river Ohio (I'stone), Can. W.	Palæont. New York, iv. 309.
<i>scitula</i> , [']	" Cornif. Limest., L. ...	New York	" " 311.
<i>Charionella Circe</i> .	"	Ohio-river Falls and West New York	" " 311.
<i>tumida</i> , [']	Dahn. Stringoc. Limest., M.	Le Cotentin?	Mém. Soc. Hist. Nat. Cherb. x. 200.
<i>unisulcata</i> , [']	Conrad. Orisk. Sands., Cornif.	New York	Palæont. New York, iv. 308.
<i>Rhynchonella</i> .	" L'st., Ham., L., M.		
var. <i>biplicata</i> , [']	Hall. Ham. ....M.		
" <i>uniplicata</i> , [']	" UHL. ....L.		
<i>upsilon</i> , [']	Bonissent. ....L.		
<i>spec. indet.</i> , [']	Hall. Chem. ....U.		

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Mystrophora , Kayser, 1871.			
areola, Kayser.	Crinoid Sch., M.....	Eifel?	Zeitschr. &c. Berl. 1871, p. 370.
Quenstedensis, "	" M.....	" ?	" "
Nucleospira , Hall, 1859.	Scholar. Gr ^p , Cornif.	Albany, Schoharie and Ontario Cos.	Palæont. N. York, iv. 279; D. D. Oweu,
concinna, Hall.	Limest., Ham., L., M.	Williamsville, Apulia, Seneca and Cayuga Lakes, Genessee, &c. (N.Y.), Falls r. Ohio (Kent.), Fairport (Ohio).	Geol. Rep. Minnesota &c. p. 624.
lens, Schnur.	Upp. Calc. Limest., M.	Eifel	Zeitschr. &c. Berl. p. 369.
Vicaryi, Davids.	" M.....	Budleigh-Salterton pebble-bed	Quart. Journ. G. S. L. xxvi. 70.
Obolus , Eichwald, 1829.	Orbicula , Orbiculoides , D'Orb. , 1847.	Ungula , Pander.	Aulonotreta , 1848. Schizotreta , [Kutorga.
Orbicula , Cuvier, 1798.			
Alexandrina, Rouault.	M.....	Gahard (France)	D'Archiac, Palæont. de France, p. 45.
Arduennensis, Ad. Röml.	L.....	Daleiden, Eifel	Palæont. D. & Von M. iii. 229.
Avriliana, Rouault.	M.....	Gahard	Bull. Soc. Géol. Fr. n. s. viii. 398.
Bainii, Sharpe.	Sandstone, L.....	Cedarberg, Gydow Pass, Hottentot Kloof.	Trans. G. S. L. ser. 2, vii. 205.
Cantraineana, Ryckh.	Limestone, L.....	Luxembourg	Mélang. Palæont. Mém. Cour. xxiv. 92.
Cimacensis, " Cyprid. Sch., U.....		Chimay (Belgium)	" "
Daleidensis, Schnur &c.	Grauwacke, L.....	Daleiden	Palæont. D. & Von M. iii. 236.
lata?, " Quartzose Sandst., L.		Cape of Good Hope (Africa)	Taus. G. S. L. ser. 2, vii. 204?
laevigata, Münst.	Orthoc. Limest., U.....	Elbersreuth	" vi. 391.
Lodensis, Vanux.	Genessee Sh., M.....	Louisville (Kentucky)	Yand. & Shum. Contr. Kent. 1847, p. 33.
plana, Münst.	Clymen. Limest., U.....	Schübelhammer	Beiträge &c. iii. 80.
subrugosa, " U.....		Elbersreuth	" "
spec. indet., Rouault.	" M.....	Gahard, Izé, &c.	Bull. Soc. Géol. Fr. n. s. viii.
" ?	" L.....	Les Courtoisiers (France)	" vii. 783.
" Boniss.	" L.....	La Manche (France)	D'Archiac, Palæont. de France, p. 45.
Orbiculoides , D'Orbigny, 1847.	Discina .		
plicata, Dunker.	Clymen. Limest., U.....	Elbersreuth	Palæont. D. & Von M. i. 131.
Orthis , Dalman, 1827. (123 species placed here.)			
Alsus, Hall.	Scholar. Gr ^p , L.....	Clarkville, Knox, and Schoharie Co.	Palæont. New York, iv. 36.
antiquata, Limest., M.....		Chimay, Couvin (Belgium)	Trans. G. S. L. ser. 2, vi. 395.
arachnoidea, Phill.	Psammite, M.....	D'Avesnes, Bas-Boulonnais, Ogdwell, Newton Bushell.	D'Archiac, Palæont. de France, p. 45.
areolata, " L., M.		Looe, Foreland, W. Lee, Linton, Woodabay, Torq., Plym., Newton Bush, &c.	Phill. Pal. Foss. Devon. &c. p. 64 &c.
Aurelia, Bill.	Pass.-bed Limest. S.....	Indian Cove (Gaspé Slates), Can. East	Can. Surv. Pal. Foss. ii. 35.
aspera, ?	" M., U.....	Givet, Condros, Famenne, Elreungt, &c.	Gosselet, MS. 1870; Explic. Carte de Fr. p. 732.
basalis, Dalm.	" L.....	Kartal, Gulf of Nicomedia	Bull. Soc. Géol. Fr. n. s. vii. p. 389; Trans. G. S. L. ser. 2, v. 387.
Baylei, Rouault.	" M.....	Gahard (La Manche)	Bull. Soc. Géol. Fr. n. s. iv. 322.
Beaumontii, De Vern.	" L., M.	Sabero, Aviles, Almaden, Izé, Nehou, Perques, Chassegraine, Eifel (passim), Kanlydjii.	Palæont. D. & Von M. iii. 215; Bull. S. G. Fr. n. s. vii. 180, 781, xii. 190, 1016; Mém. Soc. Cherb. x. 180.
canalicula, Schnur.	Crinoid Sch., M., U.....	Sehanecken, Daun, Waxweiler, Prüm, Flohimont, Couvin (Belgium).	Palæont. D. & Von M. iii. 213.
carinata, Hall.	Portage & Chem., U.....	Painted Post (New York)	Palæont. New York, iv. 58.
circularis, Sow.	Spirif. Sandst., L.	Coblentz, Caub, Fowey, Daun, Menzenberg, near Bonn.	Siluria, ed. 4, p. 395; Pal. D. & Von M. iii. 218; Krantz, Verh. Verst. xiv. Jahrb. &c.
Cleobis, Hall.	Onond. Limest., L.....	Clarence Hollow, Williamsville (N.Y.)	Palæont. New York, iv. 41.
concentrica, Münst.	Orthoc. Limest., U.....	Elbersreuth (Upper Franconia)	Beiträge &c. iii. 79.
concinna, Morr. & Sharpe.	" ?	Falkland Isles (South America)	Quart. Journ. G. S. L. ii. 275.
congrua?, Eichw.	Black Limest. of <i>Pentamerus</i> .	Bogoslovsk (Ural)	Lethæa Rossica, i. 845.
eostata, Münst.	Bright Clym. L'st., U.....	Geiser near Hof, Presseck (Bavaria)...	Beiträge &c. iii. 79.
erenistria?, Phill.	Huron Gr ^p , U.....	Point aux Barques (Lake Huron), Voroneje, Petschora.	Leth. Ross. p. 847; Proc. Acad. Nat. Sci. Philad. 1862, p. 410.
Cumberlandia, Hall.	Oriskany Sandst., L.....	Cumberland Co. (Maryland)	Palæont. New York, iii. 481.
euneata, Owen?	Ham. M.	New Buffalo (Iowa)	Owen, Rep. Minnesota &c. p. 610.
eyclas, Hall.	Ham. Sh. M.	York, Pavilion, Bellona, Canandaig. L.	Palæont. New York, iv. 52.
Devonica, D'Orb.	" L., M.	Siberia, Touwa, D'Elbourg Mountain, Kanlydjii, Kartal, Mt. Géant, Veneros, Arnao, &c., Ferques, Izé.	Tchihat. Pal. Asia Min. Append. p. 55; Bull. Soc. Géol. Fr. n. s. vii. 161, xii. 1016.
<i>erenistria</i> , var., Keyserl.			
dilatata, F. Röml.	" L., M.	Waxweiler, Daun, Daleiden, Coblentz.	Das rhein. Ueberg. p. 74.
Dumontiana, De Vern.	Sh. of Famenne, <i>Terebrat.-cuboides</i> beds, U.....	Trelon, Barvaux, Verlaine, Famenne.	Bull. S. G. Fr. n. s. vii. 181; D'Arch. Geol. & Pal. 1866, p. 456.
Dutertrii, Murch.	Limestone, M.	Chillon, Castillejo, Ferques, Fieunes, Nowa Slupia, Great Voroneje.	Trans. Geol. Soc. Lond. ser. 2, vi. 395; Beaum. Explic. Carte de Fr. p. 782.
Eifelensis, De Vern.	Calceol. Sch., stages 3, 4, 5, M., U.....	Veneros (Spain), Eifel, Condros, Le Co-tentin, Etraungt, Dailly, D'Avesnes.	Schulz, Geol. Oviedo, p. 45; Pal. D. & Von M. iii. 213; Bull. S. G. Fr. n. s. vii. 161, xii. 1184; Mém. Soc. Cherb. x. 201.
elegans, " U.....		Ferques (Bas-Boulonnais)	Gosselet, MS. 1870.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.	
<i>Eryna</i> , <i>Ida</i> , fascicularis, flabellulum, Gervillii, var., gigantea, grandis, granulata, granulosa, hians*, Hamoni, hipparionyx,' hybrida?,' idonca,' impressa,' Inca, inaequalis,' interlineata, Iowensis,' Keokuki,' <i>Streptorhynch. crenistria</i> . Kielciensis, <i>Amphitoma</i> , Von Buch. (p laticosta, <i>Productus orbicularis</i> . lenticularis,' <i>lentiformis</i> . Leonensis,' lepida,' lepis. <i>Strophomena</i> . lepis, Leucosia,' Lewisii, Livia,' Lucia,' lunaris, lunata, McFarlani,' macroptera, micans, mitis,' Monieri, Murchisoui, <i>Leptæna</i> . musculosa,' nucleus,' obovata, opercularis,	Hall. D'Orb. ? Barr. Boniss.? Ad. Röm. ? Münst. Phill. Von Buch. Rouault. Schn., Vanux. Hall. " " D'Orb. Hall. Sow. F. B. Meek. ? Ad. Röm. D'Orb. Hall. " " " Bronn. De Vern. Hall. Davids. Billings. " F. Röm. Sow. Meek. F. Röm. Von Buch. Hall. Rouault. De Vern. Hall. " Sow. De Vern.	Coruif. Limest., L.... .....L..... .....L..... .....L., M. .... .....L..... .....U. Clymen. Limest., U.... .....L., M., U. Stringoc. Limest., M. .....L., M. Oriskany Sandstone. Spirif. Sandst., L. M. Ham. ....M. Port. & Chem., U. Sandstone, L..... .....U. Slate &c., Clym. L'st., Chem., M., U. Cornif. Limest., Ham. Gr ^p , Chem. Gr ^p , L., M., U. ? Brown Sandst., L. ?... Sandstone, L..... Cornif. Limest., L.... Port. & Chem. Gr ^p s, U. Ham. Sh....M. Calceol. Shale, M. ... " M. Ham. Sh....M. Limestone, M. ? Cornif. Limest., Pass- bed, L. Limestone 8, L. Sch. & Limest., M.... .....L..... Ham. ....M. .... .....M. .... .....M. Schoharie Gr ^p , L. ... .....L..... Grauwacke, L..... Oriskany Sandst., L.... Marcell. Sh., M. Spirif. Saudst., L. ... Calceol. Sch., String. Limest., L., M.	Williamsville (New York) Ferrones (Asturias) Siegen, Unkel (Rhenish Prussia)..... Bohemia, Sabero, Aleje, Viré, Nehou, Fergues, Arnoutkoi, Yenikoi, Mont Géant, &c. La Sarthe (France) Falkenburg (Silesia?) Fiennes, Fergues (Bas-Boulonnais) ... Schübelhammer (Franconia) Meadfoot, Hope's Nose, Linton, Wood- abay, Petherwin. Givet, Couvin (Belg.), Serebrianka?,&c. Gahard, New York (De Verneuil) ... Albany, Schoh., Herkimer, and Oneido Cos. (N. Y.), Cumberland Co. (Mary- land), Castillejo, Guadalperal, Prüm, Weinsheim, Menzenb., La Manche, Looe, Meadfoot, Arnout-koi, Kartal, Orta-koi, &c. Chimay, Couvin. 18-mile Creek, Moscow (New York)... Ithaca, Cayuta Creek, Elmira, Philips- berg, &c. East Slopes of Bolivian Andes..... Burlington (Iowa)..... Petherwin, Launceston, Morebath, Pilton, Thuringia, Ebersdorf, New York. Riv. Saugeen, Pt. aux Barques (L. Hur.), Rock Isl., Moline, Lime Creek (Iowa), Red riv., Liard riv. (riv. Mackenzie, N.N.W. America), Clearwater river (Athabaska, N.N.W. Amer.), Inde- pend., New Buff., Shellburg (Iowa). Kielce, Russian Poland..... Bolivian Andes Leroy, Caledonia, Vienna, Shortsville (New York). Leon, Conewango, Randolph (N. York) Ontario Co. (New York) Eifel, Couvin, Chimay, Ferrones (Sp.) Russia..... Ontario Co. (New York) Gerolstein (Eifel) Gaspé (Limest. No. 8), West N. York, Walpole (Canada West). Indian Cove (Gaspé)..... Bodzentin (Poland) River Sosva (Russia), Daun, Ems, Grüneswald. Mackenzie river below fort Good Hope, and on rivers Lockhart & Anderson (N.N.W. America). Refrath (Rhenish Prussia) Tschudovo, river Volkhoff (Russia)... Albany and Schoharie Cos. (N. York) Pont D'Aizy (La Manche) Siegen and Menzenberg (Rh. Pruss.).. North Cayuga Co. (Can. W.), Schoharie & Albany Cos. (New York). New-York State Daun, Haiger-Seebach, Menzenberg... Volkhoff, Nowa Slupia, Borszewow (Silesia), Kartal, Sabero, Weilburg, Waldbröl, Viré.	Palæont. New York, iv. 42. D'Orb. Prodrome, i. 90. Trans. G. S. L. ser. 2, vi. 257. Bull. Soc. Géol. Fr. n. s. vii. 161, 781; Pal. Asia Min. Append. 1866, p. 12. Mém. Soc. Nat. Hist. Cherb. x. 201. Palæont. D. & Von M. xiii. 206. De Beaum. Expl. Carte de Fr. p. 782. Beiträge &c. iii. 79. Phill. Pal. Foss. Dev. p. 65. Pal. D. & Von M. iii. 232; J. Schnur. Bull. Soc. Géol. Fr. n. s. iv. spec. 323. Hall, Pal. N. Y. iii. 407; Davids. Mon. cit. Pal. Soc. p. 90; Bull. S. G. Fr. xii. 72 & 1016; Pal. D. & Von M. iii. 217; Mém. Soc. H. N. Cherb. x. 201; Krantz, Verh. Verst. xiv. Jahrg. Palæont. New York, iv. 52. " " 60. Voy. Amér. du Sud, iii. 227. Palæont. Iowa, p. 490. Davids. Mon. cit. Pal. Soc. p. 91; XIV. Rep. Reg. N. Y. p. 36; Leonh. & Br. Neues Jahrb. 1856, pp. 490 & 626. Geol. Illin. i. 121; Geol. Can. 1863, p. 372; Hinde, Exped. Rupert's L. p. 187; Hall & Whitn. Rep. Iowa, pp. 87, 263; Trans. Ac. Sc. Chicago, i. 63. Quart. Journ. G. S. L. xxiii., For. Mem. p. 16. Voy. Amér. du Sud, iii. 227. Palæont. New York, iv. 36. " " 62. XIII. Rep. Regents New York, p. 78; XV. " p. 183. Trans. G. S. L. ser. 2, vi. 372; Leth. Geogn. i. 365. Trans. G. S. L. ser. 2, v. pl. 36. Palæont. New York, iv. 63. Palæont. D. & Vou M. iii. 217. Can. Surv. Pal. Foss. ii. 32; Palæont. New York, ii. 38. Can. Surv. Pal. Foss. ii. 35. Beobacht. Zeitschr. 1866. Murch., Vern. & Keyserl. Geol. Russ. ii. 190, 387. Trans. Acad. Sci. Chicago, i. 89. ? Trans. G. S. L. ser. 2, vi. 396. Palæont. New York, iv. 37. Mém. Soc. Hist. Nat. Cherb. x. 201. Geol. Russia, ii. 396; Krantz, Verh. Verst. xiv. Jahrg. &c. Palæont. New York, iii. 409. XIV. Rep. Regents N. York, p. 26. Palæont. D. & Von M. iii. 218; Krantz, Verh. Verst. xiv. Jahrg. &c. Murch., Vern. & Keyserl. Geol. Russ. ii. 187; Bull. S. G. Fr. n. s. vii. 161; Verstein. Nassau, p. 353; Lethæa Geogn. i. 359.

* A young *Stringocephalus Burtini*, De France.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
orbicularis, D'Arch. & De Vern.	Iberger Limest. &c., L., M., U.	Pelapaya, Alejo, Castillejos, Brulon, Viré, Ferques, Gahard, Grund, Touwa, Pendek, Kartal.	Palæont. D. & Von M. iii. 29, 30; Bull. Soc. Géol. Fr. n. s. ii. 478, vii. 161, 501, 788.
var., Murch.	U.	Ferques	Murch., Vern. & Keys. Geol. Russ. ii. 396.
ovalis, Ad. Röm.	Sandstone, L.	Kahleberg (Harz)	Verstein. Harz, 1843, p. 10.
palmata, Morr. & Sharpe.	Ferruginous rock, L.	Cold and warm Bokkeveld, Cedarberg, Kokman and Hottentot's Kloofs, the Knysna river (S. Africa).	Trans. G. S. L. n. s. vii. 204.
papilio,	Krantz. Spirif. Sandst., L.	Menzenberg, Siegen, Unkel, Hesselstein.	Verh. d. n. Verst. xiv. Jahrg. neue Folge, iv. 156.
partita?, Sow.	U.	Petherwin, Pilton, Haiger-Seelbach, near Dissemburg.	Phill. Pal. Foss. Devon.; Trs. G. S. L. n. s. vi. 409.
pectinata,' D'Orb.	Sandstone, L.	Bolivian Andes	Voy. Amér. du Sud, iii. pl. ii.
peloris,' Hall.	Schohar. Gr ^p , L.	Clarksville and Knox (New York)	Hall, Palæont. New York, iv. 34.
Penelope,' "	Ham. Sh. ....M.	18-mile Creek, Hamburg, Erie Co., Alexander, York, Moscow, Pavilion, Seneca, &c. Lakes.	XIII. Rep. Regents New York, p. 79; XVI. " " p. 184.
plano-convexa,' Worth.?	Clear Creek L'st., L.	Bailey's Landing (Missouri)	Geol. Illinois, i. 128.
prisca, Schnur.	Limestone, M.	Couvion (Belgium)	J. J. d'Halloy, Préc. Géol. 1868, p. 576.
propinqua,' Hall.	UHL. ....L.	Ohio, New York	Palæont. New York, iv. 43.
pulvinata, Salter.	Pebble-beds,	Buddleigh-Salterton (Devonsh.)	Quart. Journ. G. S. L. xx. 294.
(Strophomena) rugosa,' Von Buch.	Tully Limest., M.	Pennsylv., Tully, Tinker's Falls, Ovid, &c., New York, Sotenich, Verviers, Hubnerkopfes, Siegen, Unkel, Plymouth, Newton (Devonsh.).	Trans. G. S. L. n. s. vi. 396; Palæont. D. & Von M. iii. 10.
sacculus, Eifelensis.	Sndbrgr. Stringoc. Limest., M.	Weilburg (flinty ironst.), Gerolstein, Oberkuzendorf (Dr. Dames), Veneros (Spain).	Verstein. Nassau, pp. 6, 354.
Semele,' Hall.	Onond. Limest., L.	Clarence Hollow, Erie Co. (N. York)	Palæont. New York, iv. 40.
Serrurieri, Rouault.	M.	Gahard (France)	Bull. Soc. Géol. Fr. n. s. iv. 323.
similis, Schloth.	Limestone, U.	Fiennes (Bas-Boullonnais)	Elie de Beaum. Expl. Carte Fr. &c. p. 782.
solitaria,' Hall.	Ham. Sh. ....M.	York (Livingstone Co., New York)	Palæont. New York, iv. 45.
spatulata, Ad. Röm.	Grey Limestone	Wolfsburg (Harz)	Verstein. Harz, 1843, p. 11.
striatula, Schloth.	Spirif. Sandst., Sandst. of Anor., Calc. Sch., Givet L'st., Psamm. Condros, Famenne Sch., Iberg. Limestone, L., M., U.	Newton Abbot, Barton, Ilfracombe, Pilton, Izé, Ferques, Verviers, Huy, Namur, &c., Almaden, Arnao, Val d'Ossau, &c., Ems, Braubach, Daleiden, Grund, Uchta, Volkhoff, Prussino, &c., Kielce (Poland), Livonia, Bosphorus, &c.	Bull. S. G. Fr. n. s. iv. 322, vii. 160, 778, viii. 395, x. 126, xi. 454, xii. 1016, xxi. 306; Sndbrgr. Verstein. Nassau, p. 355; Mém. Soc. H. N. Cherb. x. 201, &c.
strigosa, D'Arch. & De Vern.	Spirif. Sandst., L.	Haiger-Seelbach, Menzenberg	Trans. G. S. L. n. s. vi. 408; Verh. d. n. Verst. xiv. Jahrg. &c.
stringorhyncha, Kayscr.	Cuboides Sch., U.	Budesheim (Eifel)	Zeitschrift &c. 1871, p. 374.
subcordiformis, Cultrijugatus Stufe, M.	Eifel		p. 370.
subumbona,' Hall.	Calceol. Sch., M.	Seneca Lake (New York)	Descript. New Spec. 1857.
testudinaria, Sow.	" & Iberg. Limest., M., U.	Mondrepuis, Schönecken, Grund, &c.	Verstein. Harz, 1843, p. 10.
tetragona, Schnur.	Calc. Sch. (4 stages), M.	Schönecken, Fournies, Couvin, D'Ailly	Palæont. D. & Von M. iii. 214.
Tioga,' Hall.	Port. & Chem., U.	Jefferson (Ohio), Factoryville, Elmira, Phillipsburg, Leon (New York).	Palæont. New York, iv. 59.
transversalis, De Vern.	?	France	Bull. Soc. Géol. Fr. n. s. xi. 241.
non Leptena.			[&c.]
Trigeri, " "	L.	Kanlydja, Kartal, Nehou, Joué, Brulon	Comptes Rendus, lxiv. 1218.
umbonata,' Conrad.	Ham. Sh. ....M.	Moscow, Darien, Aurora, &c., river-Ohio Falls, Gahard (France).	Hall, New Foss. 1857, p. 127; Bull. Soc. Géol. Fr. n. s. iv. 322-325.
undifera, Schnur.	Spirif. Sandst., L.	Menzenberg, Blankenheim, &c.	Krantz, Verh. Verst. xiv. &c.
Vanuxemi,' Hall.	Cornif. Limest., Ham. Sh., Chem. Gr ^p , L., M., U.	Rock Isl. (Illin.), Davenport (Iowa), Point aux Barques (Mich.), Canand. Lake (New York), Bosanquet &c. (Can. W.), Scutari, Kartal, &c.	Palæont. N. York, iv. 40, 47, 49; Proc. Acad. Nat. Sc. Philad. 1862, p. 409; Comptes Rend. lxiv. 1218; Worth. Rep. Illinois, i. 121.
ventricosa, Ad. Röm.	Wissenb. Sch., M.	Festenberg Teiche (Harz)	Palæont. D. & Von M. iii. 78, xiii. 224.
ventroplana, " "	Eifel, stages 2, 3, 4, M.	?	
venusta, Schnur.	Crinoid Sch., L., M.	Schönecken, Gerolstein	" " iii. 212.
virgulata, Ad. Röm.	Blackish Limest.	Hilkenschwende (Harz)	Verstein. Harz, 1843, p. 11.
voisini, Sow.	L.	Haiger-Seelbach	Trans. G. S. L. n. s. vi. 396.
vulvaria, Rouault.	M.	Izé, Gahard	Bull. S. G. Fr. n. s. iv. 323, viii. 377.
Witryana, Schloth.	Phyllade ...L.	Houffalize (Belg.), Waxweiler, Prüm.	D'Omali. D'Halloy, Précis Géol. p. 575.
spec. indet. (2), Koninek.	U.	Chimay, Couvin (Belg.)	Trans. G. S. L. n. s. vi. 396.
" "	Ham. Group, M.	New Buffalo (Iowa)	D. D. Owen, Rep. Minnesot. &c. p. 640.
" "	Hall. Cornif. Limest., L.	Western New York	Palæont. N. Y. iv. 39.
" "	Tietze. Passage-bed, U.	Ebersdorf (Saxony)	Palæont. D. & Zeiler, xix. 149.
Orthisina, D'Orbigny, 1847.			
umbaculum, Von Buch.	Spirif. Sand., L.	Kahleberg (Ad. Röm.), Harz	Palæont. D. & Von M. xiii. 220
Pentagonia, Cozzens, 1846.	Subgenus of Meristella.		
Peersi,' Cozzens.	UHL., Ham., L., M.	Falls of Ohio (Kentucky, Canada W.), Albany and Schoharie Counties.	Annals N. Y. Lyceum, 1846, iii. 158.
Atrypa unisulcata, Conrad.			

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Pentamerella , Hall, 1867.			
arata,' Hall.	Schohar. Grit, Cornif.	Schoharie and Albany Counties, Water-	Palæont. N. Y. iv. 375; Geol. Canada,
<i>Pentamerus aratus</i> , Conrad.	Limest., L.	ville, Lima, Babcock's Hill, Caledonia, Leroy, Stafford, Clarence Hol-	1863, pp. 69, 361.
<i>Atrypa octocostata</i> , "		low, river-Ohio Falls, North Cayuga Co., Haldimand (Canada West).	
dubia,' Hall.	Ham. Schist, M.....	Iowa City (Iowa)	Palæont. N. Y. iv. 379.
<i>Spirifera</i> .			
micula,' "	M.....	" "	" " 378.
obsolescens,' "	UHG ^p .....L.....	Waterloo (Iowa)	" " 379.
papilionensis,' "	Ham. ....M.....	Seneca & Canandaigua Lakes, Pavilion, &c. (N. Y.).	" " 377.
Pentamerus , Sowderby, 1813.	Gypidia , Dalman.		
acutolobatus,' Sndbrgr.	Stringoc. ....M.....	Vilmar, Gerolstein, Konieprus (Bohem. Upper Silurian), Macoa near Chimay, French frontiers, north.	Bull. Soc. Géol. Fr. n.s. xiv. 368; Bull. Soc. Géol. Lille, 1871, p. 294.
formosus.			
biplicatus,	Schnur.	Limestone, L., M. ...	Sndbrgr. Verstein. Nassau, p. 345; Davids. Mono. citat. Pal. Soc. p. 72.
borealis,' F. B. Meek.	Ham. ....M.....	Anderson river, N.N.W. Arctic America	Trans. Acad. Sc. Chicago, i. 75.
brevirostris,	Phill.	Stringoceph., L., M.	De Koninck, Zeuschner, Notices, &c.; Sndbrgr. Verstein. Nassau, p. 344; Gosselet, MS. 1870; Palæont. D. & Von M. iii. 29, 30; Bull. Soc. Géol. Fr. n.s. vii. 160, 781; D'Archiæ, Palæont. de France, p. 46; Trans. G. S. L. n. s. vi. 391.
cassideus,	Dalm.	M.....	Phill. Palæoz. Foss. Devon &c. p. 148.
<i>Atrypa</i> .			
galeatus,' "		Calceola. Sch., Stringoceph. Limst. and Sch., Iberg, Limest., L., M., U.	Meek, Swallow, Rep. Missouri, p. 104; Palæont. D. & Von M. xiii. 227.
multiplicatus,	F. Röm.	Crinoid Sch., M.....	Bull. Soc. Géol. Fr. n.s. vii. 160, 778; F. Röm. Beobacht. polnisch.; Mém. Soc. Hist. Nat. Cherb. x. 201.
var.,	Ad. Röm.	M.....	Palæont. D. & Von M. v. 23.
var.,	?	Couvin Schist, M. ...	Gosselet, MS. 1870.
intralineata,' Winch.	Ham. ....M.....	Little Traverse Bay (Bryozoa beds)...	Geol. Rep. Mich. 1866, Append. p. 94.
Knightii,' Sow.	L., M. ...	Couvin (Belg.), &c. (see <i>Uncites gryphus</i>)	Röm. Verstein. Harz, p. 19.
oblonga,' Yand. & Shum.	Silurian and Devon?	Kentucky.....	Contrib. Geol. Kentucky, pp. 33, 147.
occidentalis,' Hall.	Ham. ....M.....	Iowa	Palæont. Iowa, p. 514.
optatus,' Barrande.	Limestone, L.....	Weinsheim, Hohé by Prüm	Schnur, Palæont. D. & Von M. iii. 196.
orientalis?, Eichw.	Black Limest., M. ...	Ustkataf (Ural) and river Karatschoum-katsch (Altai).	Lethæa Rossica, i. 786.
St. Hilarii,' Rouault.	M.....	Gahard	Bull. Soc. Géol. Fr. n.s. iv. 322.
new spec. (2),'	Swallow.	Onond. Limest., L....	Geol. Rep. Missouri, ii. 219.
"	D. D. Owen.	Cornif. Limest., L....	Geol. Rep. Minnesot. &c. p. 640.
"	Gosselet.	Schistes Noires, L. ...	Gosselet, MS. 1870.
Pholidops , Hall, 1859.	Pseudocrania , M ^c	<i>Coy</i> (Hall).	
areolata,' Hall.	Schohar. Grit, L.	Clarkesville, Knox, Albany Co.	Palæont. N. Y. iv. 31.
Hamiltonii,' "	Ham. Shales, M.....	Darien (Erie Co.), Moscow (Livingston Co.), New York.	" " 32.
terminalis,' "	Oriskany Sand., L....	Cumberland Co. (Maryland)	" " iii. 490.
Productella , Hall, 1867.	A	subgenus. The	nian Period.
aretirostrata,' Hall.	Chem. (Calc. Sands.), U.	Cadiz (N. York), Jasper, Steuben Co. (N. York).	Palæont. N. Y. iv. 182.
<i>Productus</i> .			
bialveata,' "	Chem. Sands., U.....	Keadville (Pennsylvania)	" " 183.
Boydii,' "	" U.....	Phillipsburg, Elmira (N. York)	" " 169.
<i>Productus</i> .			
costulata,' "	" U.....	Chemung Narrows, Randolphs (2), Napoli, Conewango, New Albion, &c.	" " 180.
var. strigata,' "	Chem. Arenac., U. ...	Cadiz (New York)	" " 181.
dumosa,' "	UHL. Ham., L., M.	Tinker's Falls, Bellona, Moscow, Hamilton, &c.	" " 162.
<i>Productus</i> .			
Eriensis,' Nicols.	Cornif. Limest., L....	Port Colborne (Canada West), Hagersville (Canada West).	Geol. Mag. 2nd ser. i. 119.
exanthemata,' Hall.	Ham. Shale, L.?, M.	Seneca Lake, Tinker's Falls (N. York)	Palæont. N. Y. iv. 163.
<i>Productus</i> .			
hirsuta,' "	Green Sh., Chem., U.	Phillipsb., Rockville, Covington (N. Y.), Corning & Blossburg Railw. (Penns.).	" " 166.
<i>Strophom. membranacea</i> .			
var. rectispina,' Hall.	Shaly Sandst., U.....	Troup's Creek near Pennslv. North Line	" " 168.
hystricula,' "	Chem. Sandy, U.....	Forestville, Conewango, Randolphs (2)	" " 178.
lacrymosa,' Conrad.	"U.....	Factoryville, Chemung Narrows, Painted Post, Bath, Conewango, Randolph, Ellington.	" " 172.
<i>Strophomena</i> .			
var. lima,' Conrad.	"U.....	South Valley (N. Y.), Randolph, El-	" " 174.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
<i>lacrymosa</i> v. <i>stigmata</i> , ['] Conr.	Chem. paleSandst., U.	Olean, Conewango, Napoli, New Albion	Palæont. N. Y. iv. 184.
<i>navicella</i> , ['] Hall.	Cornif. Limest., Ham.	Schoharie Co., Moscow, Pavilion.....	" " 156.
<i>Productus</i> .	L., M.		
<i>onusta</i> , [']	Chemung... U.....	Conewango, Napoli, New Albion	" " 184.
<i>rarisipina</i> , [']	" Shales, U...	Phillipsburg, New York, Corning and Blossburg Railway.	" " 170.
<i>Productus</i> .			
<i>Shumardiana</i> , [']	Cornif. Limest., Marcell. Shale, Ham., Tully Limest., Chemung Group, L., M., U.	Lake Erie (north-east end), Pratt's Falls, Moscow, Williamsville, Ohio, Hamburg (Illin.), Louisiana Town (Missouri), Burlington (Iowa) in Carboniferous bed.	" " 157.
<i>speciosa</i> , [']	Chem. U.....	20-mile Creek, Léon, New Albion, Olean, Burlington (Iowa).	" " 176.
<i>Productus</i> .			
<i>spinulicosta</i> , [']	Marcell. Shale &c., M.	Lakes Erie, Cayuga, Seneca, &c.	" " 160.
<i>Productus</i> .			
<i>striatula</i> , [']	Chem. (Calc. bands), U.	Cherry Creek, New Albion, Conewango, &c.	" " 177.
<i>Productus</i> .			
<i>subaculeata</i> , [']	Cornif. Limest., Ham., L., M., U.	" " Jeffersonville, Charleston Landing (Indiana).	" " 154.
<i>subalata</i> , [']	UHL., Ham., L., M.	Rock Island (Illinois), Iowa (passim)	Palæont. N.Y. iv. 165; H. & Wh. Geol. Iowa, p. 500.
<i>Productus</i> .			
<i>truncata</i> , [']	Ham., Marcell. Shale, M.	Schoharie, Manlius, Tully, Buffalo (New York).	XX. Rep. Regents N. Y. 1868, p. 149.
<i>Productus</i> &c.			
<i>Tullia</i> , [']	Ham., Tully L'st., M.	Tully, Delphi Falls	Palæont. N. Y. iv. 165.
Productus , Sowerby, 1814.			
<i>auritus</i> , Sharpe?	 U.....	Ferques (Boulonnais)	Quart. Journ. G. S. L. ix. 231 & 235.
<i>Callawayensis</i> , ['] Swallow.	UHL. L.....	Callaway Co. (Missouri)	Trans. Ac. Sc. St. Louis, i. 640.
<i>caperatus</i> , Sow.	Calceol. flags, M.	Rivers Don and Devitz (Russia).....	Trans. G. S. L. n. s. v. 704.
<i>convolutus</i> , Phill.	Slate U.....	Croyde Bay (Devons.), Thuringia, Eifel	Phill. Palæoz. Foss. Devon, p. 57.
<i>Cora</i> , D'Orb.	?	New Caledonia Reef, Gypsie (Queensland).	Etheridge, Quart. Journ. G. S. L. xxviii. 328.
<i>dissimilis</i> , ['] Meek.	Ham. M.	Lime Creek, river-Clearwater Mouth (Rupert's Land).	Trans. Acad. Sc. Chicago, i. 63, 91.
	Koninck. M.	Chimay (Belgium)	Koninck, Mono. Productus, 255.
<i>fallax</i> , ['] Pander.	Dolomite... U.....	Toula, Krapivna, Bogoraditsa districts	Helm. Expl. Carte Géol. Russ. p. 16.
<i>hirsutus</i> , ['] H. D. Rogers.	Genesee Slate, M.	Pennsylvania	H. D. Rogers, Geol. Pennsylv. p. 526.
<i>longispinus</i> , Davids.	 U.....	Baggy Point, Top Orchard, &c. (Devons.)	Davids. Mono. citat. Pal. Soc. p. 103.
<i>Martini</i> , Sow.	Yellow Sands., U.	Ferques (enters Carboniferous in Iowa)	Sow. Mineral Conch. iv. 285; Proc. Acad. Nat. Sc. Philad. 1863, p. 4.
<i>membranaceus</i> , Phill., Vern.	Low. Clymen. Limest., Chemung G ^p , U.	Octrada, Volkhoff, Jeletz, Zadonsk, Pilton, Petherwin, Ebersdorf, New York.	Murch., Vern. & Keyserl. Geol. Russ. ii. 388; XIV. Rep. Regents N.Y. p. 36.
<i>Strophomena</i> .			
<i>microgemma</i> , Ryckholt.	 M.	Mazee (Namur, Belgium)	Mélang. Palæoz. part ii. 171.
<i>Murchisonianus</i> , ['] Koninck.	Limest., Bluish-black Limest., Greenst. Tuff, L., M., U.	Guadalperal, Chillon, Etraungt, Ferques, Chimay, Couvin, Gerolsteiu, Hof, Magwitz, Ebersdorf, Thuringia, Vitepsk (Livonia), Valdail Hills, Lake Ilmen, rivers Wol and Ouchta, &c., Lassieha (Altai), Armenia (Abieh), Iianlydji, Feké (Asia Minor), Devil's Backbone (Illinois), Lamine, Cooper's Co. (Missouri) (Carb. also).	Bull. Soc. Géol. Fr. n. s. iv. 709, xi. 408, xii. 1185, xiv. 365; Koninck, Recherches, p. 141; Compt. Rendus, lxxiv. 1218; Mém. Ac. Sc. St. Pétersb. sér. 6, vii. 438; Helm. Explie. Carte Russ. p. 16; Swallow, Rep. Missouri, i. 102.
<i>navicella</i> , ['] Hall.	Cornif. Limest., Ham. Shale, L., M.	Schoharie Co., Moscow (New York)...	Palæont. N. Y. iv. 156.
<i>Newberryi</i> , [']	Chemung... U.....	Medina Co. (Ohio)	Descript. new Foss. 1857, p. 140.
<i>Panderi</i> , Auerbach.	Marly Dolom., M., U.	Krapivna, Volkhoff, Orel (Russia) ...	Helm. Explie. Carte Russ. p. 16.
<i>praelongus</i> , Sow.	Sandst..... U.....	Croyde Bay, Piltou (Slate), Marwood, &c. (Devons.).	Davids. Mono. citat. Pal. Soc. p. 102.
<i>Product. Christiani</i> .			
<i>productoides</i> , Murch.	 M., U.	Volkhoff (Baltic), Government Voroneje, Bouregghi, Zadonsk, Labedian, rivers Duna, Welikaja, Ferques, Tasmania (D'Orb.).	Murch., Vern. & Keys. Geol. Russ. ii. 283; Grewingk, Geol. Livonia, pp. 33-40.
<i>pustulosus</i> , [']	Hall.	Marcell. Shale, M.	XIV. Rep. Regents N. Y. p. 26.
<i>pyxidatus</i> , [']	" Ham. &c.... M., U.	New York (not of European authors)	Hall & Whitn. Rep. Iowa, p. 498.
<i>rarisipinus</i> , [']	" Sandy Chem., U.	Illinois, Iowa	Palæont. N. Y. iv. 170.
		Phillipsburg (New York), Blossburg Railway (Pennsylv.).	
<i>scabriculus</i> , ['] Sow.	Condros Psammite, U.	Ferques, Etraungt, Brushford, Barnstaple, Top Orchard (Devons.).	Sow. Miner. Conch.; D'Archiac, Pal. Fr.; Trans. G. S. L. n. s. vi. 397.
<i>sericeus</i> , Von Buch.	Cuboides Schist, U...	Eifel (Dr. Kayser), Kunzendorf	Zeitschrift &c. 1871, p. 374; Zeitsch. &c. Berlin, xx. 500.
<i>Shumardianus</i> , ['] Hall.	Ham. Chem., M., U.	Clarkesville (Missouri), Burlington (Iowa), Devil's Backbone (Illinois), Lewis Creek (Indiana).	Hall, Geol. Iowa, 1858, i. 500; N. & Pratt, Journ. Acad. Nat. Sc. Philad. iii. ser. 2, 1858.
<i>spinulacostatus</i> , [']	" ? Cornif. Limest., L....	Sylvania (Ohio) (also Carbonif. in Ohio)	Newberry, Geol. Ohio, i. 577.
<i>spinulosus</i> , Sow.	 M.	Prussino, river Volkhoff (Russia) ...	Miner. Conch.; Lethaea Rossica, i. 884.
<i>sublævis</i> ?, Koninck.	Hauptkalk, U.	Ebersdorf (Silesia)	Palæont. D. & Zeiler, xix. 149.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
Twamleyi, undatus, spec. indet., " " " " " "	Rouault, Defrance, Vern., F. B. Meek, " " " " " "	M. Limestone, U. L. Ham. Group, M. Bituminous L'st., M. ? Hall. Subgenus of Rhynchonella .	Gahard (France) Ferques (Boulonnais) Chillon, Guadalperal (Spain) River Lockhart, N.N.W. Arctic Amer. Fort Resolution (Great Slave Lake, N.N.W. America). Tasmania (fide M. Leguillon) Bellona (New York)	Bull. Soc. Géol. Fr. n. s. viii. 392. Quart. Journ. G. S. L. ix. 235, 236. Bull. Soc. Géol. Fr. n. s. xii. 1017. Trans. Acad. Sc. Chicag. i. 92. " " " " 91. Recherches, Animaux Foss. 1847, p. 25. Palæont. N. Y. iv. 165.
Renssellaria , Hall, 1858.	M'Chesney.	Orisk. Sand., L.	5 miles N.W. from Jonesboro' (Illin.)	Trans. Acad. Sc. Chicag. 1867, i. 37.
Cumberlandii, intermedia, ? Johanni, lævis,	" " " " " " " " " " " "	" " " " " " " " " " " "	Cumberland Co. (Maryland)..... " " " " " " " " " " " " Waterloo (N. Y.) " " " " " " M'Kenzie river below Fort Hope, Lockhart and Onion rivers, N.W. Arctic America.	Palæont. N. Y. iii. 461. " " " " 463. " " " " iv. 385. Trans. Acad. Sc. Chicago, i. 108.
Marylandica, ovalis, ovoides, <i>Atrypa elongata</i> .	Hall, Billings & " " " "	Orisk. Sand., L. "	Cumberland Co. (Maryland) North Cayuga (Canada W.), Salem, Albany and Schoharie Counties. North Cayuga (Can. W.) and in Can. E., Indian Cove, Gaspé, Albany, Ulster, Schoharie, Cayuga, Green, and Herkimer Counties, Pennsylvania, Maryland, Virginia, 40 miles below Fort Hope, river M'Kenzie, N.N.W. Arctic America.	Palæont. N. Y. iii. 461. " " " " 458; Geol. Canada, 1863, p. 360. XIV. Rep. Regents N.Y. p. 20; Geol. Canada, 1863, p. 360; Palæont. N. Y. iii. 457; Meek, Trans. Acad. Sc. Chicago, i. 74.
stringiceps, var., " Davidsoni,	Ferd. Röm. D'Arch. & Vern. " " " "	Avienla Sch., Spirif. Sand., L., M. "	Gahard, Nehoa (Fr.) &c., Prüm, Daun Singhofen, Siegen, Bergebersbach, Niederlahnstein, Coblenz, &c. Kanyldji, Tchauchbachi, Scutari &c. (Bosph.). Torquay, Ilfracombe, Hagginton, Combe-Martin.	Mém. Soc. Hist. Nat. Cherb. x. 200; D'Archiac, Pal. de France, p. 46; Schnur, Palæont. D. & Von M. iii. 183. Comptes Rendus, lxiv. 1218. Davidson, Mono. citat. Pal. Soc. p. 10.
Suessana, spec. indet.,	Hall, Meek.	Orisk. Sand., L. Ham. (bitum.), M.	Cumberland Co. (Maryland) River M'Kenzie (Rampart's District), N.N.W. Arctic America.	Hall, Palæont. N. Y. iii. 459. Trans. Acad. Sc. Chicago, i. 74.
Retzia , King, 1849.	Spirigera , D'Orbigny;	Adriani, Bouchardi, Chloe, dividua, <i>Atrypa lens</i> , Davids. Eugenia ?,	Verneuil, M. Ham. Shale, M. Limestone, M. Cornif. Limest., L.	Acambona ?, 1862. C. A. White. Sabero, Ferrones, Viré, Eifel Izé (France) Bosanquet (Canada West) Weinsheim, Gerolstein, Blankenheim (Eifel). Walpole, near Point Douglas, S.E. Lake Huron (Canada West).
ferita, var. a, var. b, longirostris, novemplicata, Oliviani,	Von Buch, Verneuil, Kayser, Sndbrgr. D'Arch. & Vern.	Calceol. Limes., Stringoc. Limest., M. " Upp. Calceol. Sch., M. Orthoc. Sch., L. Clayey Limest., Bur- not Puddingst., Coblenzian strata, L., M.	Vilmar, Weilburg (Siliceous Ironst.), Schönecken, Goslar, Kartal, Mont Géant, Torquay, Barton, &c. Eifel Devonshire, Vilmar, Weilburg (Nassau) Cramberg (Dicz), Wissenbach D'Avesnes, Bas-Boulonnais, Anor, French Ardennes, Aubrive (river Meuse), Villenegrille, Chillon, Ferrones, Mountains Léon, Prüm. Schönecken, Weinsheim, &c.	Bull. Soc. Géol. Fr. n. s. ii. 471. " " " " viii. 397. Geol. Canada, 1863, p. 383. Palæont. D. & Von M. iii. 234. Geol. Canada, 1863, p. 373; Tehi-hatch. Voy. Asia Minor, Append. p. 35 (Vernil). Sndbrgr. Verstein. Nassau, p. 330; Comptes Rendus, lxiv. 1218; Davidson, Mon. citat. Pal. Soc. p. 21. Trans. G. S. L. n. s. vi. 391.
Pelmensis, polypultura, prominula, subferita, Tulensis,	Kayser, Winch. Ferd. Röm. De Verneuil, Pander.	Lower Stringoc., M. Huron Group, U. Calceola Group, M. " Dolomite Limest., U.	Lighthouse, Point aux Barques (Lake Huron). Nehon, Viré, Le Coudray, &c. (France), Gerolstein. Sabero (Asturias) Toula, Odoev, and Riazau Districts, river Don (Russia).	Palæont. D. & Von M. iii. 184; Zeitschrift &c. 1871, 370. Proc. Acad. Nat. Sc. Philad. 1862, p. 406. Bull. Soc. Géol. Fr. n. s. vii. 780. Bull. Soc. Géol. Fr. n. s. vii. 174. Helmens. Explic. Carte Russ. p. 16.
Rhynchonella , Fischer, 1809.	Eatonia .	acuminata, Martin.	Stringoc. Limestone, Schists, Frasn Sch., Famenne, L., M., U.	Hemithyris , D'Orbigny, 1847. Mariembourg, Sains, Trelon, Vilmar, Aachen (Kayser), Torquay, Plymouth, Petherwin, Kochary by Sadonsk, Cosatchi-Datchi (Russia), Sandomir, Malagoszez, Kielce (Green Coralline Limestone). Bogolowsk (Ural) Grund, Charlemont and Wellin (Belg.)
acutidens ?, aquiconvexa, Alinensis,	Eichw. Ad. Röm. Vern.	Black L'st. (Pentam.) Limest., Givet Limest., U.	Iborsk by Pskow, Alina (Sadinsk) ...	Lethaea Rossica, p. 763. Bull. Soc. Géol. Fr. n. s. xvii. 25; Palæont. D. & Von M. iii. 86. Lethaea Rossica, p. 772.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
amblygona,	Phill.	Limestone, M.	Barton, Babbicombe (Devonsh.)	Palæoz. Foss. Devon, p. 88.
angularis,	"	" M.	" Torquay, Dartington	" " 89.
angulosa,	Schnur.	" L.	Gerolstein, Schönecken, Weinsheim...	Palæont. D. & Von M. iii. 185.
var. minor,	"	" L.	Blankenheim	" " "
Antisensis,'	D'Orb.?	?	Bolivian Andes	Voyage Amér. du Sud, iii. 227.
lacunosa.	"	"	"	" " "
aptycta,	Schnur.	Calceol. Limest., Go-	Gerolstein, Budesheim, Viré, Visé ...	Palæont. D. & Von M. iii. 189; Bull.
		niat. Sch., M., U.	"	S. G. Fr. n. s. xvii. 59.
Barrandei,'	Hall.	Orisk. Sandst., L. ...	Schoharie and Albany Counties, N.Y.	Palæont. N. Y. iii. 442.
bifera,	Phill.	Limestone, M., U. ...	Torquay, Hope's Nose, Eifel, Famenne	Palæoz. Foss. Devon, &c. p. 84.
			Schist (Belg.).	" " "
bifida,	Ad. Röm.	Wissenb. Group, M.	Zorge (Harz)	Palæont. D. & Von M. xiii. 210.
Stenocisma.	"	"	"	" " "
Billingsii,'	Hall.	Cornif. Limest., L. ...	Western New York, Woodstock (Ca-	Palæont. N. Y. iv. 336.
Thalia, Bill.	"	"	nada West).	" " "
bijugata,	Schnur.	Limestone, M.	Schönecken, Pelm, Visé, river Berwine	Palæont. D. & Von M. iii. 234.
			(Belgium).	" " "
Bodana,	Ad. Röm.	Greyberg Limest., U.	Rübeland (Harz)	" " ix. 4, xxiii. 229.
Bolonensis,	D'Orb.	Condros Psammite, U.	Antitaurus Mountain by Yailadji,	D'Archiac, Palæont. de France, p. 46;
(only one specimen).	"	"	Ferques, Magey, D'Avesnes, Con-	D'Arch. & Vern. Palæont. Asia Minor,
			dros, Etrœungt (France &c.).	Append. p. 12 (Tchihatcheff, Voy. &c.);
			"	Bull. Soc. Géol. Fr. n. s. xxiv. 127.
brachyptycha,	Schnur.	Limestone, L.	Blankenheim (Eifel)	Palæont. D. & Von M. iii. 178.
brevirostris,	Murch.	" L.	French Ardennes, Mondrepus	Bull. Soc. Géol. Fr. n. s. xii. 1184.
carica,'	Hall.	Ham. M.	Hamilton, Madison Co., N. Y.	Palæont. N. Y. iv. 344.
Stenocisma.	"	"	"	" " "
Carolina,'	"	Cornif. Limest., L. ...	Sandusky, Columbus (Ohio)	" " 337.
castanea,'	Meek.	Ham. M.	Lockhart river, N.N.W. Arctic Amer.	Trans. Acad. Sc. Chicago, i. 93.
Conradi,	Rouault.	" M.	Gahard, Izé (only one valve known)...	Bull. Soc. Géol. Fr. n. s. viii. 397.
congregata,'	Hall.	Ham. Shale, M.	Fultonham and summit (Schoharie	Palæont. N. Y. iv. 341.
Stenocisma.	"	"	Co.), Forks of Unadilla river, Alden,	" " "
			Tinker's Falls (N. Y.).	" " "
contracta,'	"	Chem. Shale &c., M.	Tioga Co., Olean, Bath, Howards,	" " 351.
Atrypa laticosta.	"	"	Phillipsburg, &c. (N. Y.), Bradford	" " "
			(Pennsylv.), Licking Co. (Ohio).	" " "
contraria,	Ad. Röm.	Iberg. Limest., U. ...	Grund (Harz)	Palæont. D. & Von M. iii. 31.
cordiformis-sulcata,	Von Buch.	Limestone, M.	"	" " " ?
coronata,	Kayser.	Upper Calceol. Sch., M.	Eifel	Zeitschrift &c. 1871, p. 369.
? crispata,	Sow.	" L., M.	Viré (France), Couvin (Belgium, M.	Trans. G. S. L. n. s. vi. 391.
Stricklandii.	"	"	or U. Devon.).	" " "
cuboides,	Phill., Sow.	Red Pentamer. Lime-	Bogoslofsk &c., Petschora-land, Mag-	Eichw. Lethæa Rossica, p. 762; Bull.
subcuboides, D'Orb.	"	stone, Iberg. Lime-	witz, Brendelar, Oberkuzendorf,	Soc. Géol. Fr. n. s. xiv. xvi. 862,
(Silur. in Engl., Gothl.,	"	stone, Famenne Sl.	Upper Velikaya (Livon.), Römmer-	xvii. 59, 793; Siluria, 4th ed. pp.
N. Amer.).	"	L., M., U.	sheim, Frasnès, Schönecken, Mead-	399, 411; Palæoz. Foss. Devon &c.
			foot, Barton, Petherwin, Ilfracombe,	p. 84; Ad. Röm. Verstein. Harz,
			Barvaux, Longpret (France).	1843, p. 16.
var. a, crenulata, Gosselet.	"	" M.	Trelon, Feron (France)	Prof. Gosselet, MS., 1870, mcccum.
var. b,	"	" U.	Marienbourg (Belgium)	" " "
cuneata,	Verneuil?	" L.	Ferrones (Spain)	Bull. Soc. Géol. Fr. n. s. i. 214.
Daleidensis,	F. Röm.	Spirif. Sandst., Givet,	Andreasberg, Daleiden, Waxweiler,	Palæont. D. & Von M. iii. 172; Kranz,
	"	L., M.	Daun, Menzenberg &c., Givet, Mon-	Verhandl. d. n. Ver. xiv.; Bull.
			tigny sur Meuse, Houfallize, Bouil-	Soc. Géol. Fr. n. s. ii. 438, xviii. 30,
			lon, Vireux, Davesnes, Bas-Boulon-	xxi. 305, 306.
			nais, Asturias.	" " "
"	Beyrich.	"	Mourzuk, Central Africa	Zeitschrift d. geol. Gesell. 1852, Band
			"	iv. 156.
diluviana,	Steininger.	Limestone, M.	Couvin (Belgium)	D'Omali D'Hallo, Précis Géol. p. 576.
dotis' (Stenocisma),	Hall.	Upper Ham., M.	18-mile Creek, Gennessee, York, N. Y.	Palæont. N. Y. iv. 344.
Dryope,'	Billings.	Passage-bed, Gaspé	Grand Grève, Canada East	Geol. Surv. Canad. Pal. Foss. ii. 37.
	"	Limest. No. 8.	"	" " "
duplicata,'	Hall.	Chemung, U.	East Randolph, Conewango, Howard,	Description of new Fossils, New York,
Atrypa.	"	"	Dexlerville, &c.	1857.
elliptica,	Schnur.	Upper Calceol. Lime-	Gees.	Palæont. D. & Von M. iii. 174.
		stone, M.	"	" " "
Eucharis,	Barrande.	Red Pentam. Limest.,	Gherikoff (Altai), Bogoslofsk (Ural),	Eichw. Lethæa Rossica, p. 754.
	"	L. ?	Cotentin, Bohemia.	" " "
excellens,'	Bill.	Gaspé Limest., No. 8,	Indian Cove (Gaspé)	Canada Surv. Pal. Foss. ii. 36.
	"	Passage-bed.	"	" " "
eximia,'	Hall.	Chem. U.	Ithaca (N. Y.), Pennsylv.	Palæont. N. Y. iv. 348; Geol. Penns.
Atrypa.	"	"	"	p. 829, H. D. Rogers.
fissur-acuta,	Vern.	Limestone, M.	Bjeleff (Orel), Nicolo-gastounki	Geol. Russ. Murch., Veru. & Keyserl.
	"	"	"	ii. 98; Lethæa Rossica &c. p. 774.
Fitehana,'	Hall.	Orisk. Sandst., L. ...	Carlisle, Schoharie Co. (N. Y.)	Palæont. N. Y. iii. 441.
formosa,	Sow.	Clay, Quartz, and	Rivers Vajaye, Scette, Poratchnaya,	Helmers. Explic. Carte Russ. p. 17.
Canarophoria.	"	Limest., L.	&c.	" " "

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
formosa,	Schnur.	Limest. and Goni.	Budesheim (as Pyrites or Ironstone)	Palæont. D. & Von M. iii. 173.
fornicata,	"	M.	Gerolstein	 175.
Guarangeri,	Vern.	L.....	Kartal, Scutari, &c., Nehou, La Bac-	D'Arch. & Vern. Palæont. Asia Minor,
			conière, Cotterets, St. Ceneré, Le	p. 10; Bull. Soc. Géol. Fr. n. s.
			Cotentin, &c. (France), Schöneck,	vii. 780; Comptes Rendus, lxiv.
			Daleiden, Weinsheim, &c., Cerro	1218; Mém. Soc. Hist. Nat. Cherb.
			del Hierro.	x. 200.
Goldfussi,	Schnur.	L'st. & Gr. wacke, L., M.	Schöneck, Daleiden, Weinsheim	Palæont. D. & Von M. iii. 29, 188.
Greenii,	Rouault.	M.	Izé	Bull. Soc. Géol. Fr. n. s. viii. 395.
Hanburi,	Dauids.	M. ?	Kwang-si (China)	Quart. Journ. G. S. L. ix. 357.
Huronensis,'	Winch.	Portage Group, U....	Lighthouse, Point aux Barques (South	Proc. Acad. Nat. Sc. Philad. 1862,
			Lake Huron).	p. 409.
hexatoma,	Schnur.	Limestone, M.	Gees, Palm (Eifel).....	Palæont. D. & Von M. iii. 176.
Horsfordii,'	Hall.	Ham., Marcell. Sh., M.	Genesee, Moscow, Avon, &c. (N. Y.)	Palæont. N. Y. iv. 339.
Hubbardi,'	Winch.	Chemung, U.....	Napoleon Cut, Tallmadge (Michigan)	Proc. Ac. Nat. Sc. Philad. 1862, p. 408.
Huotina,	Verneuil.	M. ?	River Don, Zadonsk (Voroneje), Yeletz	Murch., Vern., & Keyser. Geol. Russ.
			(Orel).	ii. 81.
Huronensis,'	Winch.	Portage Group, U....	Lighthouse, Point aux Barques (Lake	Proc. Acad. Nat. Sc. Phil. 1862, p. 409.
			Huron).	
var. precipua,	"	?	?	
implexa,	Sow.	Schist, Limest., Sands.	Torquay, Newton Abbot, Lummaton;	Phill. Palæoz. Fossil. Devon, " p. 89;
Atrypa.		M.	Hope's Nose, Mount Wise, &c. (De-	D'Omal. d'Halloy, Précis Géol. p. 576.
comta, Phill.			von), Couvin (Belgium).	
inaurita,'	Sndbrgr.	Spirif. S'st., Stringoc.	Mandebach, Widselters, Usinghen,	Verstein. Nassau, p. 337; Bull. Soc.
		L'st., Avicula Sch.,	Dies Singhofen, Daleiden, Magey,	Géol. Fr. n. s. xxiv. 125; Grewingk,
		L., M.	Nehou, Bas-Boulonnais, riv. Uchta,	Geol. Livonia, &c.; H. D. Rogers,
			&c. (Petchora), Livonia, pebble-bed	Geol. Penns.
			Budlei-Saltert., Meadville (Penns.)	
incisiva,	Ad. Röm.	Iberger Limest., U....	Grund (Harz).....	Palæont. D. & Von M. iii. 32, xiii. 229.
laticosta,'	Phill.	M., U....	Torquay, Barton, Pilton, Croyde.....	Descr. New Foss. 1857, p. 91.
limitaris,'	Vanux.	Cadent black Slate, U.	Pennsylvania	H. D. Rogers, Geol. Penns. p. 826.
Livonica,	Von Buch.	In Gr. wacke, Cultriju-	Upp. Duna and Velicaja valleys, Lower	Grewingk, Geol. Livon. p. 35; Lethæa
		gata-Stufe, Lower	Velicaja valley, Adzel, riv. Volkhoff,	Rossica, p. 756.
		& Upper Calceola,	Louga prov., Mitzewsk, &c., Nehou	
		Crinoid Sch., L., M.	(France).	
Daleidensis.				
Lummatonensis,	Dauids.	Limestone, M.	Lummaton, Torq, Barton, Dartington	Mono. citat. Pal. Soc. p. 70.
macrorhyncha,	Schnur.	Grauwacke, L.....	Daleiden, Waxweiler, Daun, &c., Men-	Pal. D. & Von M. iii. 194; Krantz.
			zenberg.	Verh. d. n. Ver. xiv.
Mantiaë,	Sow.	(Carb. Ireland)	Plymouth, Newton Bushell, Blanken-	Trans. G. S. L. n. s. vi. 392; Koninek,
			heim.	Anim. foss. Carb. tab. 19.
Mariana,	De Vern.	Yellow Sandst., L. ?	Casa de la Vega, Carbadillo (Almaden,	Bull. S. G. Fr. n. s. xii. 190, 1007.
			Spain).	
Medea,'	Bill.	Cornif. Limest., L....	Rainham (Canada West)	Canad. Journ. n. s. v. 271.
mesagona,	Phill.	U.	Petherwin (Cornwall)	Trans. G. S. L. n. s. v. 704.
Meyendorffii,	Keyserl.	Marly Limest., M....	Upper Velicaja, Volkhoff, Pskow, rivers	Lethæa Rossica, p. 751; Grewingk,
			Tsima, Vol. Uchta; Joriew, Nossock,	Geol. Livonia, p. 33; Murch., Vern.
			Konozerje, Prussino, Welsii on riv.	& Keyserl. Geol. Russ. ii. 74.
			Volsow.	
micropleura,'	Winch.	U.	Battle Creek (Michigan)	Proc. Acad. Nat. Sc. Phil. 1865, p. 122.
microrhyncha,	Ad. Röm.	L., M....	Schöneck, Gerolstein, Kerpen (Eifel)	Palæont. D. & Von M. iii. 173.
multistriata,'	Hall.	Oriskany Sandst., L....	Helderberg Mountains (New York)...	Palæont. New York, iii. 440.
obcordata,	Ad. Röm.	Iberger Limest., U....	Grund	Palæont. D. & Von M. ix. 4.
oblata,'	Hall.	Oriskany Sandst., L....	Albany and Schoharie Counties	Palæont. New York, iii. 439.
Ogwelliensis,	Dauids.	M.	Ogwell, Torquay, Ramsleigh	Mono. citat. Pal. Soc. p. 69.
Omalusi,		Limest. & Sch., U....	Frasne, Senzeilles (Dr. Heer), Givet	
			(France), Santour.	
orbicularis,'	Hall.	Higher Chem., U....	Steuben and Chataque Cos. (N. Y.),	Palæont. New York, iv. 353.
			Oil Creek, Meadville (Pennsylv.).	
Orbignanus, Vern. & Schnur.		Calceol. Sch., Cultri-	Formies, Wigneries, Mommigries,	Bull. S. G. Fr. n. s. vii. 160, x. 126, xii.
		jugatus Sch., L., M.	Hampclau, La Forgette, Schöneck,	1006, 1185; Pal. D. & Von M. iii.
			Gerolstein, Alejico, Mellar, Viescaz,	187; D'Arch. Pal. de France (by
			&c., Anor, Hieres, d'Avesnes, Bas-	Prof. Gosselet).
			Boulonnais.	
ovalis,	Dauids.	Silurian ?...M.	Budleigh-Salterton	Quart. Journ. G. S. L. xxvi. 82.
parallelopipeda,	Bronn.	Stringoc., Cultriju-	Vilmar (Nassau), Weilburg (limest.),	Sandberger, Verstein. Nassau, p. 339;
		gata-Stufe, Calceol.	Lahnstein (ironst.), Bensberg (Köln),	Palæont. D. & Von M. xiii. 227.
		L'st. or Sch., Crinoid	Palm, Gerolstein, Chimay, Couvin,	
		Limest., M.	Enkebar (Bredelar), Barton, &c.	
var. pentagona,	Goldf.	Cultrijugatus - Stufe,	Eifel, Belgium	Tietze, Zeits. d. Geol. Gesell. xxiii. 509.
		&c.		
Pareti,	De Vern.	Spirif. Sandst., L., M.	Nehou, Viré, Joué, Gahard, &c., Sabero,	Bull. S. G. Fr. n. s. vii. 780, xii. 1016;
			Ferrones, Asturias, Chillon, Arnout-	Mém. Soc. Hist. Nat. Cherb. x. 200;
			koi (Bosphorus).	Palæont. Asia Minor.
Hemithyris.				
peculiaris,'	Conrad.	Limestone No. 8, L....	(Gaspé), Indian Cove	Geol. Canada, 1863, p. 393.
Pengelliana,	Dauids.	Ochreous Sandst., L....	Looe (Cornwall).....	Mono. citat. Pal. Soc. p. 61.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Peruviana, Pila,	D'Orb. Sandstone, L. Schnur. Spirif. Sandst., L. ...	Bolivian Andes Daleiden, Waxweiler, Frohnhausen, Montabaur, Lahnstein, Boppard, &c., Houffalize, &c. (Belgium), Nehou, Brest, Izé.	Voy. Amér. du Sud, iii. 227. Sandberger, Verstein. Nassau, p. 340; Palæont. D. & Von M. iii. 186.
pleiopleura, pleurodon, (Carb. in Coalbrook dale.)	Conrad. Limestone No. 8. Phill. Limestones, Slates, L., M., U.	Indian Cove, Gaspé (Canada East) ... Meadfoot (Holl), Torquay, Newton Abbot, Ilfracombe, Croyde, Tintagel, Pilton, La Cédule, Serins, Avesnes, Valdai Hills, Lake Seliger (Russ.).	Geol. Surv. Pal. Foss. ii. 38. Davids. Mono. citat. Pal. Soc. p. 62; Trans. G. S. L. ser. 2, vi. 392; Prof. Gosselet, MS. 1870.
porrecta, primipilaris,	Bonissent? L. Von Buch. M., U. ...	Le Cotentin, La Manche (France) ... Forgette (Avesnes), Flohimont, Dailly Hamptean, Ferrières, Grund, Gerol- stein, Schönecken, Torquay, Lum- maton, Dartington, Sandomir, Skaly near Nowa Slupia (Poland).	Mém. Soc. Hist. Nat. Cherb. x. 200. Gosselet, MS. 1870; Bull. Soc. Géol. Fr. n. s. xiv. 370 (Gosselet); Schnur, Pal. D. & Von M. iii. 187; Siluria, ed. 4, p. 399; Koninek, Notices &c. Poland, 1868.
var. major, principalis,	" ? Hall. Oriskany S't., L., U.	Bensberg (Cologne) Carlisle, Auburn, &c. (New York), France (Up. Dev.).	Trans. G. S. L. ser. 2, vi. 393. Palæont. New York, iii. 443.
procuboides,	Kayser. Up. Calceol. & Crinoid Schist, M.	Eifel	Zeitschrift &c. 1871, p. 369.
prolifera, protracta,	Phill. Ham. M. Sow. Limestone, M.	Fultonham, Cooperstown (New York) Torquay, Hope's Nose, Stonehouse Hill, Petherwin (Devon. & Cornw.).	Palæont. New York, iv. 343. M'Coy, Brit. Pal. Foss. p. 382; Pal. Foss. Devon. p. 84.
pugnoides, Schnur, Schmidt.	" L.	Pelm, Gees, Schönecken, Daleiden, Viré, Virelles, Visé (Belg. dolomite).	Palæont. D. & Von M. iii. 177; Bull. Soc. Géol. Fr. n. s. xvii. 59.
pugnus, =acuminata (Irel.)	Martin, Sow. Stringoc. L's., Condros Psammite, Iberger Limest., Famenne Sch., Frasn Sch., M., U.	Copehous, Bredelar, Vilmar, Oranien- stein, Diez, Weilburg (ironstone), Gerolstein, Grund, Noques, Rübe- land, Ebersdorf (Silesia), Couvin, Wellers, Bas-Boulonnais, Avesnes, Inca river (Toms).	Bull. S. G. Fr. n. s. xiv. 368, xviii. 25; D'Arch. Pal. de France (Gosselet); Compt. Rend. 1856, lvi. 1123 (Gos- selet); Ad. Röm. Verst. Harz, p. 15; Murch., Vern. & Keyserl. Geol. Russ. ii. 396.
Anisodonta. (Carb. at Tournai, and in Ireland.)	Ad. Röm. Iberger Limest. ? U. C. A. White. Beds 1, 2, 4, 5, 7, U. Hall. Genessee Sl., M. Oriskany Sandst., L. Sow. M., U. Dames. Iberger Limest., U. Hall. Cornif. Limest., L. " Ham. Sh. M.	Bockweise, Herscher Quarry (Harz) ... Burlington (Iowa) New York Cumberland Co. (Maryland) Newton Abbot, Lummaton, Barton... Oberkuzendorf (Silesia) Leroy (New York) " Genessee, York, Madison Cos...	Palæont. D. & Von M. v. 37. Journ. Bost. Nat. Hist. Soc. vii. 226. Descript. New Foss. 1857, p. 90. Palæont. New York, iii. 446. Phill. Pal. Foss. Devon, p. 88. Zeitsch. Geol. Gesch. Berlin, xx. 498. Palæont. New York, iv. 338. " " 340.
Stenocisma. Schnurri, secale, sella, semilævis,	De Vern. Stringoc. Limest., M. Eichw. L't. in Old Red S't. Stringoc. M. Ad. Röm. Iberger Limest., U....	Schönecken, Pelm, Gerolstein, Couvin Gastino-polskaya-pristar (r. Holkhof) ? Grund, Avesnes, Bas-Boulonnais, Ma- rienburg (Belg.), Baives, Lomput, Martenbourg, Givet.	Palæont. D. & Von M. iii. 179. Lethæa Rossica, p. 772. Palæont. D. & Von M. xiii. 227. Verst. Harz, 1843, p. 16; Palæont. D. & Von M. iii. 32, xiii. 229; Bull. S. G. Fr. n. s. xviii. 29.
seminula, septata, speciosa, spherica, Stephani,	Phill. " U.... Hall. Oriskany Sandst., L. " " L. Sow. M. Hall. Chem. U.	Grund, Tula, riv. Ulabue ? (Russia)... Albany Co. (New York) Cumberland Co. (Maryl ^d), S. Illinois. Torquay, Plymouth ? Ithaca, Phillipsburg, Courtland Co., Bedford (New York).	D'Arch. Pal. Fr.; Gosselet, MSS. 1870. Palæont. New York, iii. 443. " " 444. Davids. Mono. citat. Pal. Soc. p. 66. Palæont. New York, iv. 349.
Stenocisma. Stricklandii, Strajeskiana, subacuminata, Stenocisma. subcoarctiformis, subreniformis,	Sow. Gr. wacke (pyritic), L. De Vern. M. Ad. Röm. Stringoc. or Iberger Limest., M., U.	Daun, Daleiden, Waxweiler, Prüm ... River Iowa, Bogolofsk (Ural) Iberg, Elbingerode (Harz)	Palæont. D. & Von M. iii. 172. Murch., Vern. & Keys. Geol. Russ. ii. 85. Palæont. D. & Von M. iii. 86.
subtetragona, subwilsoni,	Schnur. Limestone, L., M. Lowest Cyprid. Sch., M., U. " Limestone, L. ? D'Orb. L., M.	Pelm, Gerolstein, Couvin, Menzenberg Lohnberg, Budesheim, Virelles, Pether- win, Lanlake (Cornwall). Holé near Prüm Kartal, Val d'Ossau, Le Cotentin, Nehou, Viré, Brulon, &c., Hierges, Daleiden.	" " 186. Sandberger, Verstein. Nassau, p. 342; Palæont. D. & Von M. iii. 174. " " 177. Mém. Soc. H.N. Cherb. x. 200; Gosselet, MS. 1870; Tchihat. Pal. Asia Min. Append. p. 9.
sulcirostris, var. ??, tenuistriata, Tethys,	Phill. M. Sndbrgr. Stringoc. Limest., M. Bill. Cornif. Limest., L....	Grund Vilmar, Paffrath Stafford, Williamsville (New York), Falls river Ohio.	Ad. Röm. Verstein. Harz, 1843, p. 16. Verstein. Nassau, p. 341. Canad. Journ. n. s. v. 270.
tetraptix, tetratoma, triloba,	Winch. Ham. M. Schnur. Upp. Calceol. Sow. Calceol. & Crinoid Sc. M.	Rockford ? (Iowa) Prüm (Eifel) Eifel, Woolboro' Quarry, Barton, Ply- mouth.	Proc. Acad. Nat. Sc. Phil. 1865, p. 120. Zeitschrift &c. 1871, p. 368. " " p. 369; Trans. G. S. L. n. s. v. tab. 56.
tumida, venustula,	Dalm. ? Stringoc. M. Hall. M., U.	Elbingerode (Harz) Tully, Tinker's Falls, Ovid, Benton, &c. (New York).	Palæont. D. & Von M. xiii. 227. Palæont. New York, iv. 346.
Voltzii,	De Vern.	Eifel, Paffrath (Cologne)	?

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Wahlenbergii, Goldf.	Famenne-bed, M., U.	Avesnes, Bas-Boulonnais, Izé, Rübeland, Asturias.	Verstein. Harz, 1843, p. 17; D'Arch. Pal. de Fr. (Gosselet).
var. signata, Schnur.	Iberger Limest., U.	Harz	?
Warrenensis,' Swallow.	Callaway Co. (Missouri)	Callaway Co. (Missouri)	Trans. Acad. Sci. St. Louis, i. 653.
Wilsoni,' Rouault.	Psammite, M., U.	Le Cotentin, Nehou, Izé, &c., Chimaï, Couvin, Khotine, Jaroslaws, Kentucky, Ohio, Tennessee.	Mém. Soc. H. N. Cherb. x. 200; Trans. G. S. L. n. s. vi. 392; Bull. S. G. Fr. n. s. vii. 389, viii. 397; Leth. Ross. p. 762.
Wirtgeni, Schnur.	M.	Gerolstein	Palæont. D. & Von M. iii. 174.
Wurmii, Davids., Ad. Röm.	Iberger Limest., U.	Grund	Verstein. Harz, 1843, p. 19.
Yuennamensis, De Kon.	.....	Yuennam Province (China)	Quart. Journ. G. S. L. ix. 359.
spec. indet., Meek.	Ham. ....M.	River Mackenzie, below the ramparts, N.N.W. America.	Trans. Acad. Sci. Chicago, i. 74.
"	De Vern.	Arnout-koi, the Bosphorus, &c.	Tchihatcheff, Asia Minor, p. 495.
"	Gosselet.	Famenne Sch., U.	Condros (Psammite), Comblain le Tour, Givet, &c.
Rhynchospira, Hall, 1858.	Subgenus	Waldheimia, Fischer, 1850.	Trematospira, Hall, 1855.
lepidi,' Hall.	Ham. Shales, M.	Bellona, Canandaigua Lake	XIII. Rep. Regents New York, p. 83; XV. Rep. Regents N. York, p. 188.
nobilis,' "	" M.	Livingstone, Genesee (Erie & Harbon Counties).	Palæont. New York, iv. 412.
Trematospira?			
rectarostra,' Oriskany Sandst., L.		Maryland	" " iii. 217.
Valpyana, Davids.	M.	Budleigh-Salterton pebble-bed	Quart. Journ. G. S. L. xvi. 75.
Vicaryi, ?		"	" " 79.
Spirifera, Sowerby, 1815.	Delthyris, Dalman, 1827.		
acanthoptera,' Courad.	Ham. ....M.	New York	Vanux. Geol. N. York, 3rd Distr. p. 162.
acanthota,' Hall.	Chem. ....U.	"	Trans. Acad. Sci. Chicago, i. 101.
aculeata, Schnur.	Condros Sch., U.	Estræungt, French Ardennes, Rocquignies, &c., Gerolstein, &c.	Bull. S. G. Fr. n. s. xii. 1184; Palæont. D. & Von M. iii. 203.
acuminata,' Grewingk.	Chem., grey dolomite, U.	Garssen, Oknist (Livonia), West Hamilton (New York).	Grewingk, Geol. Livonia, p. 47; XIV. Rep. Regents New York, p. 36.
Sp. prora?, Conrad.	Cornif. L'st., Onond.	Albany & Schoharie Cos., Cazenovia, Madison, Williamsville, Clarence	Palæont. N. York, iv. 198, 234; Vanux. New York, pp. 158, 162; Winchell, Rep. Michig. 1861, p. 65.
acuminata,' Conrad.	L'st., Ham., L., M.	Hollow, Little Traverse Bay, Sandusky, &c., Indiana.	
cultrijugata, Winch.			
æquali-arata, Sndbrgr.	Stringoc. Limest., M.	Vilmar	Sandberger, Verstein. Nassau, p. 315.
alata, Schloth.	Compact Sandst., M.	Basins of Zinief and Toms (Altai) (with fish), Rammelsberg, Schalke, Schierenstieg.	Bull. S. G. Fr. n. s. i. 684; Ad. Röm. Verstein. Harz, 1843, pp. 13, 14.
alta,' Hall.	Chem., iron Sandst., U.	N. York, Big Creek (Ohio), Meadville (Pennsylvania).	Palæont. New York, iv. 248.
amara,' Swall.	Ham. ....M.	Callaway Co. (Missouri)	Trans. Acad. Sci. St. Louis, i. 642.
angusta,' Hall.	"M.	Coriugton and Livingstone Cos. (N.Y.)	Palæont. New York, iv. 230.
Anna,' Swall.	"M.	Callaway Co. (Missouri)	Traus. Acad. Sci. St. Louis, i. 642.
Anossofi, De Vern.	L., M.	Divjatina, Ottrada, Kon-kolodes, Voroneje Government, Jendowischtsche (river Weduga).	Bull. S. G. Fr. n. s. xi. 408; Murch., Vern. & Keyserl. Geol. Russ. ii. 153.
antarctica, Sharpe & Morr.	Sandst. S. Africa, L.	Falkland Isles, Warm Bokkeweld (S. Africa).	Quart. Journ. G. S. L. ii. 276.
Archiaci, Murch.	Dolom. Sch., M.	Timan Range, Valdai Hills, Upp. Duna and Velikaja Valleys (Livonia), Tsi-Chuen (China), Feke (Asia Minor), Almaden (Spain), Budesheim (Eifel), Famenne, &c.	Grewingk, Geol. Livonia, pp. 33, 205; D'Om. d'Hallo, Précis Géol. p. 577; Siluria, ed. 3, p. 297; Vanux. Geol. New York, 3rd Distr. p. 297.
var. major, " minor,	M.	Pokroi, Touwa, Lower Duna valley	Grewingk, Geol. Livonia, p. 47.
aretiseguenta,' Hall.	Onond. Limest., L.	Lower Duna valley	" " "
Arduennensis, Schnur.	Ham. ....M.	Shortville, Stafford (New York)	Palæont. New York, iv. 208.
arenosa,' Courad.	Oriskany Sandst., L.	North Cayuga Co. (Can. W.), Nictau (Nova Scotia), Virginia, Pennsylv., Cumberland Co., Maryland, St. Geneviève, Marion, &c. Cos., Oriskany Falls.	Palæont. D. & Von M. iii. 199. Geol. Can. 1863, p. 361; H. D. Rogers, Geol. Penns. p. 826; Canad. Natur. v. 140; Hall, Palæont. N. York, iii. 422, 425; Tr. Acad. Sci. St. Louis, i. 409.
arrecta,' Hall.	"M.	Cumberland Co. (Maryland)	Hall, Palæont. New York, iii. 422.
aspera,' "	Ham. ....M.	Independence (Iowa), Rock-Island Co. (Illinois)	Hall & Whitu. Rep. Iowa, p. 105.
attenuata, Sow. ?	M., U.	Gahard, Givet, Condros (also Carbon.)	De Beaum. Expl. Carte de Fr. &c. p. 732; Bull. S. G. Fr. n. s. iv. 702, xi. 240.
audacula?, Conrad.	Ham. ....M.	New York	Vanux. Geol. New York, p. 262.
auriculata, Sndbrgr.	Spirif. Sandst. &c., L.	Singhofen, Dillenburg, Weilburg, Lahnstein.	Verstein. Nassau, p. 315.
avirostris, Krautz.	Crinoid Sch., M.	Menzenberg, 8 miles from Bonn	Verhandl. d. n. Ver. xiv. 148.
Baptista, Rouault.	M.	Izé, St. Aubin, &c.	Bull. Soc. Géol. Fr. n. s. viii. 396.
Bellouini, Schists & Sa'stones, L.		Carteret (La Manche)	" " xii. 1044.
bidorsalis,' Winch.	Ham. (Acervularia beds), M.	Grund ? , Traverse Bay (Michigan)	Geol. Rep. Michig. Append. 1866, p. 93.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
bifida,	Ad. Röm.	Iberg. L'st., Stringoc. L'st. & Sch., Frasn Sch., M., U.	Grund, Vilmar, Trelon (Fr.), Agimont and Bailièvre (Belg.), Thuringia.	Verstein. Harz, 1843, p. 13; Sndbrgr. Verstein. Nassau, p. 322; Palæont. D. & Von M. iii. 29.
bimesialis,'	Hall.	Cornif. Limest., Ham., L., M.	Maitland, Blanchard (Can. W.), Rock-Is. Co. (Ill.), Independence (Iowa).	Geol. Illinois, i. 121; Geol. Canada. 1863, p. 372.
biplicata,'	"	Chem. U.	Burlington, Quincy (oolitic), Scottoville.	Hall & Wh. Rep. Iowa, p. 519; Amer. Philos. Soc. xii. 252.
bisinus,	M. H. Litton.	Givet Limest., M.	Charlemont (Belgium)	Bull. Soc. Géol. Fr. n. s. xxvii. 493.
bisulcata,	Sow.	Psammite, U.	Condros, Petherwin (Salter)	De Beaum. & Dufr. Explic. Carte de Fr. p. 773.
d'Archiaci.				
var. acuta,	Ether.	?	Gympsie (Queensland)	Quart. Journ. G. S. L. xxviii. 329.
Boliviensis,	D'Orb.	?	Tomina &c., Bolivian Alps	" " xvii. 64.
speciosa.				
Bouchardii,	Murch.	 M.	Gahard, Izé, Rhisné, Fiennes, Chinay, Condros, Almaden, Veneros, Pelapaya, Ferrones, Moorzook (Africa), Dr. Beyrich.	Bull. S. G. Fr. n. s. ii. 473-475, iv. 322, vii. 160 & 161, xii. 190, 1016; Zeits. deuts. geol. Ges. 1852, p. 156; Trans. G. S. L. ser. 2, vi. 393.
comprimata, F. Röm.				Bull. S. G. Fr. n. s. ii. 475, vii. 160.
Cabanillas, D'Arch. & Vern.		 L.	Ferrones, Pelapaya (Spain)	" " vii. 161.
Cabedana,	"	Limestone, L.	" &c.	" " " "
canalifera,	Valenciennes.	Grauw., Givet L'st. & Psammite, Frasn L'st. & Sch., Crinoid Sch., L., M.	Daleiden, Bensberg, Blankenheim, Paffrath, Condros, Avesnes, Etraungt, Wallers, Bailièvre, Linton, Torquay, Ilfracombe, Osgwell, &c.	De Beaum. & Dufr. Expl. Carte de Fr. p. 732; Pal. D. & Von M. iii. 296; Bull. S. G. Fr. n. s. xii. 1184, xxi. 305 or 505; Davids. Mono. citat. Pal. Soc. p. 26.
capax,'	Hall.	Chem. (yell. Sa'st.), U.	Pine-Creek mouth (Iowa)	Hall & Whitn. Rep. Iowa, p. 520.
carinata,	Schnur.	Grauw. (Montigny), black Schists, L.	Montigny (Belgium), Daleiden, Waweller, Daun, Avesnes, Hamptean, Fourmies, Amberloup, Bas-Boulonnais, Grupont, St. Hubert, Hierges.	Pal. D. & Von M. iii. 202; D'Arch. Pal. France; Gosselet, MS. 1870; Bull. Soc. Géol. Fr. n. s. xviii. 30.
camerata,'	Newberry?	?	Ohio	D. D. Owen, Rep. Ohio, p. 20.
Cedarensis,'	D. D. Owen.	Ham. M.	Rockingham (Iowa)	Geol. Rep. Minnesota, p. 624.
Cheekiel,	De Koninek.	Grey Limestone	Yunnan (China)	Quart. Journ. G. S. L. ix. 358.
Cheiropteryx,	De Vern.	Limestone, M.	Paffrath (Rhenish Prussia)	Trans. G. S. L. n. s. vi. 393.
Chemungensis,'	Conrad.	Chem. U.	New York (Third district)	Vanux. Geol. New York, p. 185.
Clintoni,	Hall.	Ham. M.	Little Traverse Bay (Michigan)	Append. to Rep. on Gt. Traverse Bay.
compacta,'	Meek.	Ham. M.	River Lockhart (N.N.W. Amer.)	Trans. Acad. Sci. Chicago, i. 103.
comprimata,	Schloth.	Limestone, L., M.	Linton, Ilfracombe, Torquay, Huy, Rammelsberg.	Quart. Journ. G. S. L. xxiii. 645.
concentrica,	Schnur.	Schists 2, 3, 4, lower M.	Couvin, Ferrières, Dailly, Hamptean, Skaly (Pol ^d), Schönecken, England.	Palæont. D. & Von M. iii. 210.
connivens,	Phill.	(In Yorkshire and at Visé, Carbon.), M.	Gahard, Fiennes, Ferques, Paffrath...	De Beaum. Expl. Carte de Fr. p. 782; Trans. G. S. L. ser. 2, vi. 393.
conoideus,	Ad. Röm.	Iberg. Limest., U.	Grund, Avesnes, Feron, Bas-Boulonn.	Verst. Harz, p. 12; D'Arch. Pal. Fr.
consobrinus,'	D'Orb.	" M.	Moscow (New York West)	Prodrome, i. 98.
consors,'	Winch.	Ham. M.	Little Traverse Bay (Michigan)	Geol. Rep. Mich. Append. 1866, p. 86.
zigzag, Hall.				
corticosa,'	Hall.	"	Darien (New York West)	Palæont. New York, iv. 236.
crispa,	Sow.	Calceol. Sch., M.	Sotenich (SarsPoteries), Visé &c. (Carb.)	Trans. G. S. L. n. s. vi. 393.
cultrangulata?,'	Lyon.	Limestone, L.	Ohio river, Louisville (Kentucky) ..	Lyon, Trans. Ac. Sci. St. Louis, ii. 620.
cultrijugata,'	F. Röm.	Spirif. Sa'st., Oriskany Sands., Cornif. L'st., Calceol. Sch., Givet Limest., Ham., 4th bed below Hydraulic Limest., L., M.	Sabero &c. (Leon), Magee (or Mazee), Hierges, Ebray, Forgette, Fourmies, Chassegraine, &c., riv. Meuse, Houffallize, riv. Lenne, Vohne, & Agger, Schönecken &c., Schoharie &c. Co., W. Hamilton (N. York), Columbus (Ohio), Ohio-river Falls.	Gosselet, MS. 1870; Yand. & Shum. Contrib. Kentucky, p. 34; Davids. Mono. citat. Pal. Soc. p. 35; Bull. Soc. Géol. Fr. n. s. x. 128, xviii. 20; Quart. Journ. G. S. L. xxi. 305; Schnur, Pal. D. & Von M. iii. 200.
Cumberlandia,'	Hall.	Oriskany Sandst., L.	Cumberland Co. (Maryland)	Palæont. New York, iii. 421.
cuneata,	Ad. Röm.	Iberger Limest. and Greenst. Tuff, U.	Grund, Planchwitz, Chrieschwitz (Saxony).	Verst. Harz, p. 12; Geinitz, Verstein. Grauwacke (Saxony), p. 61.
cycloptera,'	Hall.	Limestone No. 8.	Split rock, Indian Cove, Grand Grève, Gaspé (Canada East).	Billings, Geol. Surv. Pal. Foss. ii. 48.
cyrtinaformis,'	Hall & Wh.	Chem., Marly beds, U.	Rockford and Hackberry (Iowa)	Deser. New Foss. Dev. Iowa, 1872, p. 19.
Cytherca,	D'Orb.	"	Ferrones (Spain)	Prodrome, i. 95.
d'Archiaci,'	Murch.	(Psammite), L., M., U.	Almaden, Veneros, Puente de Ciervo, &c., Ferques, Rhisne, Tatimont, &c., Chinay, Condros, Budesheim, Feké, Antitaurus, Arpathecai, &c. (Armenia), Valdai Hills, Labedian, river Don, Olonetz and Voroneje Govts., Zadousk, Volkhof, Lake Ilmen, Otrada, Duna and Velicaya valleys (Livonia).	Bull. S. G. Fr. n. s. vii. 781, x. 126, xi. 8, xii. 190; Grevink, Geol. Livonia &c. p. 32; Murch. Vern. & Keyserl. Geol. Russia, ii. 387; Abich, Mém. Akad. St. Pétersb. sér. 6, vii. 430; D'Arch. Pal. de France (Gosselet).
Davidsoni,	Schnur.	Crinoid Sch., M.	Schönecken, Prum, Gerolst., Bensberg.	Palæont. D. & Von M. iii. 206.
Davousti,	De Vern.	 L., M.	Kartal, Kelender, Nehou, Viré, Brulon, Le Cotentin, La Manche.	Bull. Soc. Géol. Fr. n. s. vii. 781; Mém. Soc. Hist. Nat. Cherb. x. 201.
deflexa,	Ad. Röm.	Iberg. Limest., U.	Grund (Harz)	Palæont. D. & Von M. xiii. 228.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
<i>disjuncta</i> , <i>Verneuilli</i> *, <i>D'Archiaci</i> , <i>distans</i> , <i>cuspidata</i> , <i>gigantea</i> (Salter), <i>protensa</i> , var. <i>Barumensis</i> , Salter. <i>calcarata</i> , Sow. <i>extensa</i> , var. <i>gigantea</i> , " <i>grandæva</i> , " <i>inornata</i> , <i>disjuncta</i> , <i>disparilis</i> , <i>divaricata</i> ,	Sow. 		

* The name "*Verneuilli*" (Murch.) claims priority over that of *disjuncta*, Davidson, MS.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Greeni, Grievi,'	Rouault. M. Hall. UHL. L.	Izé, Gahard (France)..... Schoharie, Clarence, Williamsville (New York), Sandusky, Columbus (Ohio).	Bull. Soc. Géol. Fr. n. s. viii. 377. Palæont. N. Y. iv. 194.
gregaria,'	Clapp. & Hall. Onond. L'st., Cornif. Limest., L.	Dayton (Ohio), Ohio-river Falls (Ken- tucky), Genesee and Erie Co., N. Y., Little Traverse Bay (Michigan), Goderich, Middleton, Saugeen river (Canada West).	Hall, Palæont. N. Y. iv. 195; Owen, Geol. Kentucky, ii. 99; Winch. Rep. Michigan, 1860, p. 64; Geol. Canada, 1863, p. 372; Canada Journ. n. s. vi. 260.
Guyoti, Hungerfordi,' Huronensis,' hysterica,	Rouault. M. Hall. Ham. Shale, M. Winch. Chem. U. Schloth. Spirif. Sand. &c., L., M., U.	Gahard Lime Creek (Iowa)..... Point aux Barques, Lake Huron South Looe, Linton (Yellow Grit), Padstow, Woolboro', Mont Revenu, Houffa- lize, Magey (Mazey?), Belgium.	Bull. Soc. Géol. Fr. n. s. iv. 322. Hall & Wh. Rep. Iowa, p. 501. Proc. Acad. Nat. Sc. Philad. 1863, p. 405. Davidson, Mono. citat. Pal. Soc. p. 34; Bull. Soc. Géol. Fr. n. s. xxiv. 128.
imbricata lamellosa, Sndbrgr. inflata,	Stringoceph., M. Schnur. Frasné Limest. Schist, Givet L'st., M., U.	Vilmar, Gerolstein, Couvin (Belgium) Schönneck, Gerolstein, Visé, Lompret, Alvaux, Toula, Bogoroditsa, Riaz- zan, &c.	Sandberger, Verstein. Nassau, p. 319. Gosselet, MS. 1870; Horion, Bull. Soc. Géol. Fr. n. s. xvii. 59; Palæont. D. & Von M. iii. 211; Helmers. Expl. Carte Russ.
intermedia,' inutilis,'	Hall. Oriskany Sandst., L. " Ham. M.	Cumberland Co. (Maryland)..... Independence (Iowa), Rock Island Co. (Illinois).	Hall, Palæont. N. Y. iii. 424. Hall & Wh. Rep. Iowa, p. 505; Worthen, Rep. Illinois, i. 121.
Iowensis,' Kennicotti,' labellum,	D. D. Owen. " M. Meek. " M. Vern. U.	Iowa river (Iowa) Liard river, N.N.W. America, Arctic. Krjuto-berochka (Ural).....	Owen, Rep. Minnesota &c. p. 624. Trans. Acad. Sc. Chicago, i. 65. Murch., Vern. & Keyserl. Geol. Russ. ii. 143.
lævicausta,'	Valenciennes. Grauwacke, Calceola, upper and lower, L., M.	Prum, Daun, Weinsheim, &c. (Eifel), Chimay, Huy, &c. (Belg.), Grund, Kielce, Dubrowa, Armenia, Fowey, Lee, Looe, Torquay, Ogdell, &c. (Indiana).	Palæont. D. & Von M. iii. 201; Röm. Verstein. Harz, p. 12; Siluria, 4th ed. p. 399; Mém. Acad. Imp. St. Pétersb. ser. 6, vii. 428; Davids. Mono. citat. Pal. Soc. p. 28; Quart. Journ. G. S. L. xiii. For. Mem. p. 16.
var. alata,	F. Röm. Limestone, U.	Budesheim, Weinsheim.....	Palæont. D. & Von M. iii. 201; Verst. Nassau, p. 496.
lævigata,	Schloth. Famenne and Iberg Schist, M., U.	Trelon, Couvin, Visé, Grund, Corn- wall, &c.	Verstein. Harz, 1843, p. 16; D'Arch. (Gosselet). Palæont. de Fr.
lævis,' lens, lenticulum, Vern. & Kutorga.	Hall. Portage Group, U. Schnur. Limestone, M. Stringoceph. Limest., L., M.	Ithaca, Courtlandville (N. Y.) Prüm, Weinsheim, Couvin, &c. Vilmar, river Velicaja, upper and lower Ilmen-See, Goriew, Zudonsk, Kono- zerze (Government of St. Petersburg).	Palæont. N. Y. iv. 241. Palæont. D. & Von M. iii. 211. Sndbrgr. Verstein. Nassau, p. 323; Grewingk, Livonia, pp. 34 &c.; Bull. Soc. Géol. Fr. n. s. x.
ligus,' lineatus,'	Owen? Ham. M. Martin. Iberg Limest., Givet Limest., Psammite, M., U.	2½ miles south of Rockingham..... Torquay, Hope, Newton Abbot, Pether- win, Pilton, &c., Grund, Givet, Con- dros, Nowa Slupia, Missouri?	Rep. Minnesota &c. p. 624. Davids. Mono. citat. Pal. Soc. p. 45.
linguifera,	Sndbrgr. Orthoc. Sch., L.	Wissenbach, Ebersdorf (Clymen. Lime- stone), Dr. Tietze.	Verstein. Nassau, p. 313.
Lonsdalei,	Murch. Limestone, M.	Fiennes, Ferques (= Givet), Chimay .	Bull. Soc. Géol. Fr. n. s. xi. 251; Trans. G. S. L. n. s. vii. 394.
Loriger,'	Keyserling. ?	River Inia, Tomsk (Altai).....	Murch., Vern. & Keyserl. Geol. Russ. ii. 396.
macra,'	Hall & Meek. Schohar. Grit, Cornif. Limest., L.	Neil's Valley, Humboldt Mountains (long. W. 115° 36'), Helderberg Mountains, Albany and Schoharie Counties, Williamsville, Erie Co.	Palæont. N. Y. iv. 190; Proc. Acad. Nat. Sc. Philad. 1866, p. 309.
macronota,'	Hall. Onond. Limest., Ham. Shale, L., M.	Parkhurst, New Buffalo, Aloe (Iowa), river-Ohio Falls, Darien, Moscow, Bristol, Genesee, Seneca Lake, Ham- burg, and 18-mile Creek.	Proc. Acad. Nat. Sc. Philad. 1860, p. 221; Vern. Bull. Soc. Géol. Fr. n. s. iv. 700; Owen, Rep. Minnesota &c. p. 599.
macroptera, Goldf. & D'Arch. (Leading species of Spirif. Sandstone.)	Sandst. of Anor, Spirif. Sandstone, Avicula Schists, Grauwacke of Montigny, L.	Vireux, Menzenberg, Montigny, Anor, Mouffalaise, Hinajenos, Joué, Argen- tré, Izé, Brest Roads, Magey, Kar- tal, Kelendria, Singhofen, Dillen- burg, Altweilnau, Idstein, Kem- menau?, Coblenz, Daleiden, Prüm, Karleberg, Andrewsburg, &c., Durr- berg (Silesia) &c., Torquay, Cedar Mountains, S. Africa.	Krantz, Verhandl. Vers. xiv. Jahr.; Germ. &c. Annales des Mines, ser. 6, xii. 595; D'Omal. d'Hallo, Précis Géol. p. 575; F. Röm. Zeitsch. d. Geol. Jahrg. 1865; Quart. Journ. G. S. L. ix. 3, For. Mem.; Bull. Soc. Géol. Fr. n. s. vii. 781, xii. 1185, xx. 125; Sndbrgr. Verstein. Nassau, p. 317.
var. mucronata, macrohyncha,	Sndbr.? Sandstone, L. Schnur. Stages 4, 5, M.	Cedar Mountains, S. Africa Gerolstein, Nimes (Namur), Sitka (Zeusner).	Quart. Journ. G. S. L. ix. 3, For. Mem. Palæont. D. & Von M. iii. 237.
macrothyris,'	Hall. Cornif. Limest., L.	Williamsville, Clarence Hollow, Co- lumbus.	Palæont. New York, iv. 202.
Manni,'	" " Onond. Lime- stone, L.	Williamsville, Sandusky, Columbus..	" " " 211.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
Marcy,	Hall.	Ham. Shale, M.	Cayuga and Seneca Lakes, Dresden, Genesee.	Palæont. New York, iv. 226.
Marylandica,	"?	Orisk. Sandst., L. ...	Cumberland Co. (Maryland)	" " " 252, 257.
medialis,	"	Ham. Shale, M.	Otsego, Madison, Livingstone, Genesee and Erie Counties, Cayuga, Crooked and Seneca Lakes, Point aux Barques (south Lake Huron).	" " " 227; Proc. Acad. Nat. Sc. Philad. 1862, p. 406; Hall, Descr. New Foss. 1857, p. 110.
var. Eaton,	"	" M.	Seneca Lake, Livingstone, &c. (N. Y.)	Palæont. N. Y. iv. 229.
mediotextus,	Vern.	LowStringoc. L'st., M.	Eifel, Refrath, Blankenheim, Sotenich	Trans. G. S. L. ser. 2, vi. 394.
megaloba,	Phill.	 U.	Brushford, Pilton, North Devonshire	Phill. Palæont. Foss. Devon. p. 79.
meristoides,	Meek.	Ham. M.	Anderson and Lockhart rivers (N.N.W. Amer., Arctic).	Trans. Acad. Sc. Chicag. i. 106.
Martinia, subgen.				
mesacostalis,	Hall.	Chem. U.	Ithaca, Philipsburg by Angelica, Olean, Rockville, Painted Post, Troupsburg, Randolph.	Palæont. N. Y. iv. 240.
mesastrialis,	D'Orb.	 U.	Schoharie and Delaware Counties, Courtlandville, Elmira, Cayuta Creek.	" " 242.
mesomalus,	Phill.	 U.	Brushford, Pilton (North Devon) ...	Palæoz. Foss. Devon. &c. p. 79.
micropterus,	Goldf.	 L., M.	Fowey, Torquay, Vireux, Montigny sur Meuse, Upper Velikaja Valley, Dailly, Flohimont, Wellin (Luxemburg), Hamptean.	Siluria, 4th ed. p. 277; Grewingk, Geol. Livonia &c. 1861; Bull. Soc. Géol. Fr. n. s. xix. 560, xxi. 306.
Minerra,	D'Orb.	 M. or U.	Ferques (Bas-Boulonnais)	D'Orb. Prodrome, i. 95.
minimus,	Sow.?	Limestone, L.	Blankenheim (Eifel)	Trans. G. S. L. ser. 2, vi. 394.
muconata,	Conrad.	 L., M., U.	Schoharie, Otsego, and Madison Co., Cherry Valley, Cayuga Lake (N.Y.), Pennsylvania, Ohio, Parkhurst, New Buffalo, Little Traverse Bay (Michigan), Maryland, Virginia, Missouri?, Louisville (Kentucky), Bosanquet, Enniskillen, Plympton (Canada West), Eifel.	Palæont. N. Y. iv. 216; H. D. Rogers, Geol. Pennsylv. p. 828; Owen, Rep. Minnesota &c. p. 599; Winch. Rep. Michigan, Append. 1861, p. 86; Geol. Canada, 1863, pp. 382, 386; Verneuil, Bull. Soc. Géol. Fr. n. s. iv. 700.
comprimata.				
muralis,	Kutorga, Vern.	Stringoceph. Limest., M., U.	Rivers Tsilma, Voll and Ouchta, Ilmen-See, Volkhof, Tchudovo, Jorisiw, Nossok, Konozerje (Russ.), Couvin, Vilmar, Upper river Velicaja.	Bull. Soc. Géol. Fr. n. s. iv. 109; Murch., Vern. & Keyserl. Geol. Russ. ii. 171; Sndbrgr. Verstein. Nassau, p. 319; Grewingk, Geol. Livonia, 1861, p. 65; Helmers. Explic. Carte Russ.
cyrlia.				
Murchisonia,	Koninek.	Famenne Sch., U. ...	Kynosc, Tchisma, Petschoraland, Marienburg, Chinnay, Kwang-si (China).	Murch., Vern. & Keyserl. Geol. Russ. i. 387, ii. 160; Quart. Journ. G. S. L. ix. 335.
nacra,	Hall.	Cornif. Limest., L.	Ohio	Newberry, Geol. Ohio, i. 577.
Nerei,	Barrande.	Limestone, ?	Klosterholzes (Harz), Konieprus, Bohemia.	Palæont. D. & Von M. iii. 58.
Newtonensis,	"	" M.	Torquay, Newton Abbot, Dartington.	Dauids. Mono. citat. Pal. Soc. p. 40.
Nictavensis,	?	Orisk. Sandst., L.	Nictau (Nova Scotia)	Acad. Geolog. 2nd ed. p. 499.
Norwoodi,	Meek.	Upper Limest., U., L.	Utah, west side of Buell Valley, Humboldt Mountains.	Proc. Ac. Nat. Sc. Philad. 1860, p. 308.
nuda,	Phill. & Sow.	 L., M.	Plymouth, Torquay, Ilfracombe, &c., Frasné, Lompref, Givet, Gerolstein, Buchenberg, Rothe-Hutte, Avesnes, Bas-Boulonnais, Marienburg, Skaly by Nova Slupia (Sandomir).	Phill. Palæoz. Foss. Devon, p. 78; Palæont. D. & Vou M. iii. 208, v. 23, xiii. 227; D'Arch. (Gosselet), Palæont. de France; Koninek, Notice des Foss. de Sandomir.
oblatus,	Sow.	 M.	Newton, Torquay, Eifel	Palæont. Foss. Devon, 1841, p. 68.
obliterata,	Phill.	 U.	Brushford, Pilton	Dauids. Mono. citat. Pal. Soc. p. 27.
Orbeliana,	Abich.	Green Clayey Limest.	Armenia	Mém. Ac. Imp. St. Petersb. ser. 6, vii. 638.
Orestes,	Hall?	Chem. U.	Marly lands, Iowa, Rockford and Hackberry.	Hall & Wh. Descr. New Foss. 1872, p. 18.
Oweni,	"	Cornif. Limest., L.	Ohio-river Falls, Charleston Landing (Indiana).	Palæont. N. Y. iv. 197.
pachyrhynchus,	Vern.	Cuboides Sch., L., U.	Serebranka (Ural), Pskow (Baltic Russ.); Schelon, Budesheim (Eifel).	Murch., Vern. & Keyserl. Geol. Russ. ii. 142, 143; Lethaea Ross. i. 696.
Parryana,	Hall.	Ham. M.	Enniskillen and Bosanquet Towns (Canada W.), New Buffalo (Iowa), Rock Island Co. (Illinois).	Canadian Nat. n. s. iv. 261; Hall & Wh. Rep. Iowa, p. 509; Worth. Rep. Illinois, i. 121.
Pailletti,	Vern.	 L. ?	Sabero (Spain)	Bull. Soc. Géol. Fr. n. s. vii. 177.
paradoxus,	Schlott.	 L.	Val d'Ossau (France), Guadalperal, Herrera del Duque, Rhisne, Prüm, Daleiden, Waxweiler, &c.	" " " 101?, xii. 72, 1016; Schnur, Palæont. D. & Von M. iii. 198.
macroptera, Goldf.	Quenstedt?			
paucicostatus,	M'Coy?	Clymen. Limest., U.	Ebersdorf, Derbyshire	Palæont. D. & Zittel, xix. 148.
Pattersoni,	Hall.	Cornif. Limest., L.	Sylvania (Ohio), Meek	Newberry, Rep. Ohio, i. 577, ii. 207 (Shumard).
Pellico,	D'Arch. & Vern.	 L.	Hierges (Black Sch. France), La Manche, Le Cotenin, La Forgette (Fr.), Ferronos, Arnao, Puerto de Cabellas, Reynosa &c., Kartal, Yailadji.	Tchihatcheff, Asia Min. Append. p. 19; D'Arch. & Vern. Palæont. de France, p. 45 (D'Arch.); Bull. Soc. Géol. Fr. n. s. ii. 472, vii. 160.
var.,	Bureau.	 L.	Ebray (Lower Loire)	Bull. Soc. Géol. Fr. n. s. vii. 389, xviii. 337.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
<i>pennatus</i> , ['] D. D. Owen.	Ham. ....M.	New Buffalo, Independence, Iowa City, Little Traverse Bay (Michigan).	Owen, Rep. Minn. &c. p. 624; Winch. Rep. Mich. Append. 1866, p. 86.
<i>pertenuis</i> , ['] Hall.	Ham. Shales, M.	Cumberland Co. (Maryland)	Hall, Deser. Pal. Foss. 1857, p. 122.
<i>pharovicina</i> , ['] Winch.	Chem. ? ...U.	Point aux Barques, Lake Huron, south.	Proc. Acad. Nat. Sc. Philad. 1862, p. 406.
<i>pinnatus</i> , ['] Worthen.	Ham. ....M.	Rock Island and Co.	Report Illinois, i. 121.
<i>Pinonensis</i> , ['] Meek.	UHL. ....L.	Pinon Station, Nevada Mountains ...	Proc. Acad. Nat. Sc. Philad. 1870, p. 60.
(<i>porambonites</i> ?), var. <i>rotunda</i> , [']	" ?	" ?	?
<i>præmatura</i> , ['] Hall.	Marcell. Sh., Chem. M., U.	Seneca and Cayuga Lakes, Covington, &c. (N. Y.), Oil Creek, Meadville (Pennsylv.).	Palæont. N. Y. iv. p. 251.
<i>prolata</i> , ['] Conrad.	Chem. ....U.	New York	Vanuxem, Geol. N. Y. p. 185.
<i>productoides</i> , Ad. Röm.	Calceol. Sch. & L'st., M.	Black Limestone of Riesenbach	Palæont. D. & Von M. iii. 10.
<i>pulchella</i> , Sow.	Limestone, M.	Plymouth	Trans. G. S. L. v. pl. 27. f. 9.
<i>pyramidalis</i> , Schnur.	(Dolomite L'st.), U.	Budesheim, Visé ?	Palæont. D. & Von M. iii. 206; Bull. Soc. Géol. Fr. u. s. xvii. 59.
non Hall.			Hall, Palæont. N. Y. iii. 420.
<i>pyxidata</i> , ['] Hall.	Orisk. Sandst., L.	Cumberland Co. (Maryland)	Verstein. Nassau, p. 323.
<i>quadruplicata</i> , Sndbrg.	Stringoc. Limest., M.	Lahnstein, Weilburg (Silic. Ironstone)	Prodrome, i. 98.
<i>Quichua</i> , ['] D'Orb.		Tomina (Bolivia)	Geol. Surv. Canad. Pal. Foss. ii. 47;
<i>ruricosta</i> , ['] Conrad.	Limest. No. 8, L.	Grand Grève (Gaspé), Helderb ^e Mountains, Schoharie Co., river Maitland, Sandusky (Ohio), Haldimand, Port Colborne (Canada West), Stafford, Caledonia, Williamsville, Col-lumbus.	Palæont. N. Y. iv. 19; Canad. Journ. 1861, p. 258; Geol. Canada, 1863, p. 378.
<i>undulatus</i> , Vanux.			
<i>Richardsoni</i> , ['] Meek.	Ham. ....M.	Fort Good Hope (N. N. W. Arctic Amer.)	Trans. Acad. Sc. Chicago, i. 104.
(<i>Martinia</i>).			
<i>Rojuzi</i> , Vern.	Limestone, L.	Guadalperal, Colle, Houffalize	Bull. Soc. Géol. Fr. n. s. 178, xii. 1016; D'Omal. D'Hailloy, Préc. Géol. p. 575.
<i>rotundata</i> , Sow.	M.	Barton by Torquay	Trans. G. S. L. n. s. vi. 395.
<i>Rousseau</i> , Rouault.	M.	Cierro del Hierro, le Cotentin, Gahard, &c., La Baconnière, Viré, &c.	Bull. Soc. Géol. Fr. n. s. iv. 322, vii. 781; Mém. Soc. Hist. Nat. Cherb. x. 201.
<i>subspeciosa</i> , Vern.			
? <i>rudis</i> , Phill.	L., U.	Linton (T. M. Hall), Baggy Point, Croyde Bay.	Palæoz. Foss. Devon &c. p. 78.
<i>rugacosta</i> , ['] ? Hall.	Orisk. Sandst., L.	Canaan Beds (Nova Scotia)	Canadian Nat. v. 100.
<i>Schultzii</i> , Kayser.	Cultrijugata-Stufe, M.	Eifel	Zeitschrift &c. 1871, p. 370.
<i>seulptilis</i> , ['] Hall.	Ham. Shale, M.	Enniskillen (Canada W.), 18-mile Creek Ludlowville; Lake Seneca, York.	Palæont. N. Y. iv. 221.
<i>segmentata</i> , ['] "	Cornif. and Ououd. Limest., L.	Ohio Falls, Charleston Landing (Ind.)	" " 207.
<i>sella</i> , Ad. Röm.	Wissenb. Sch., L.	Festenburg (Harz)	Palæont. D. & Von M. v. 19, xiii. 224.
<i>Seminoi</i> , Vern.	Limest. Sch., L.	Feké, Nekka Valley (Caucasus)	Bull. Soc. Géol. Fr. n. s. vii. 501, xi. 7.
<i>Sillana</i> , ['] Winch.	Fine Ferrug. Sands, U	Valley Forge (Ohio)	Proc. Acad. Nat. Sc. Philad. 1865, p. 119.
<i>simplex</i> , Phill.	Upper Calceol., Stringocceph., Cuboides Sch., Iberg Limest., Goni. Marl., M., U.	Lahnstein, Weilburg, Bredelar, Gerolstein, Budesheim, Bensberg, Sitka, (Poland), Grund (Harz), Houffalize, (Belg.), Plymouth, Newton Bushell, North Abbot.	Sndbrgr. Verstein. Nassau, p. 324; Ad. Röm. Verstein. Harz, 1843, p. 12; Phill. Palæoz. Foss. Devon &c. p. 71.
<i>socialis</i> , Krantz.	Spirif. Sand., L.	Menzenberg near Bonn	Verhandl. d. n. Ver. xiv. Jahr. &c.
<i>solitaria</i> , "	L.		
<i>speciosa</i> , Schloth., Kayser.	Beds 1, 2, 3, 4, Eifel, Stringoc. Sch. and Limest., Calceol. Sch., L., M., U.	Looe, Fowey, Meadfoot, Polruan, St. Veep Sch., Torquay, Oghwell, Padstow, Hagginton, Tintagel (Holl.), Hierges, Hampteau, Dailly, Montigny, Aubrive, Couvin, Fourmiers, Gerolstein, Prüm, &c., Kielce, Sandomir, Skaly, near Nowa Slupia (Zeuchner), Basius Tomsk and Zinief, rivers Ob and Jenissey (Siberia), South Africa, Asturias, Schalke, Goslar.	M'Coy, Br. Pal. Rocks, p. 376; Phill. Pal. Foss. Devon &c. p. 77; Siluria, ed. 4, p. 399; Tchihatcheff, Bull. Soc. Géol. Fr. n. s. i. 684, xviii. 20, xxi. 305; Gosselet, MS. 1870; Trans. G. S. L. ser. 2, vi. 408; Schnur. Palæont. D. & Von M. iii. 197; Hempel, Ann. des Mines, ser. 6, xii. 152; Koninek, Notices &c.; Schultz, Geol. Oviedo, 1858; Ad. Röm. Palæont. D. & Von M. iii. 1, xiii. 220.
var. <i>alata</i> , Von Buch.	Schist & Sandst., L.	Rammelsberg, Schalke (Harz)	Ad. Röm. Verstein. Harz, p. 14.
var. <i>compressata</i> , Schlot.	In Sandst., L.	" in nodules	" " "
var. <i>intermedia</i> , "	Limestone, L.	Tanne, Schalke	" " "
<i>Terebratula</i> .			
var. <i>microptera</i> ? Goldf.	M.	Shaly, Sandomir (Poland)	Koninek, Notices, Foss. Devon, 1868.
var. <i>triangularis</i> , "	L.	Kahleberg, Ilseburg	Röm. Verstein. Harz, p. 14.
<i>spinosus</i> , "	Schist .....U.	Etraungt, France, north	Gosselet, Bull. Soc. Géol. Fr. n. s. xiv. 365.
<i>squamosa</i> , Ad. Röm.	Calceol. Sch., low. M.	Olpe ? Hahnenklec ? Auerhahne	Palæont. D. & Von M. iii. 10, 106, xiii. 223.
<i>striato-sulcata</i> , "	Iberg Limest., U.	Grund, Rübeland	" " " 30, "
<i>striata</i> , ['] D. D. Owen.	Ham. ....M.	Cordilleras (S. America), river Des Moines (Iowa), Moniteau Co. (Missouri), Ural (Philip Carpenter).	Rep. Minnesota &c. p. 624.
<i>striatula</i> , Schloth.	Iberg. L'st. & Greenstone Tuff, U.	Chimay, Huy, Daun, Grund, Ferques, Magwitz, Volkhoff, Ural.	Trans. G. S. L. ser. 2, vi. 395; Ad. Röm. Verst. Harz, 1843, p. 14.
<i>resupinata</i> , Phill.			

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
strigoplocus,	Vern.	Devonian ?	River Volkanka (Onral), Alexine (Government Toul).	Murch., Vern. & Keyser. Geol. Russ. ii. 151.
subattenuata,'	Worthen.	Ham. Sch., M.	Lock-Island Co. (Illinois), Little Traverse Bay (Michigan), Independence, New Buffalo, Rockingham (Iowa), Point aux Barques (Lake Huron).	Rep. Illinois, i. 121; Rep. Michigan. Append. 1866, p. 86; Gosselet, MS. 1870.
subeuspidata,	Schnur.	Givet L'st., M., Black Sch., Hierges, Calceol. Sch., Cultrijugata-Stufe, L.	Torquay, Hope's Nose, Woolboro', &c., Dann, Priim, Daleiden, Blankenheim, &c., Hierges, Pontdrome, Flohimont, Ozo (Luxemb.), Masbourg (Luxemb.).	Dauids. Mono. citat. Pal. Soc. 1863, p. 33; Palæont. D. & Von M. iii. 202.
var. alata,	Kayser.	Cultrijugata-Stufe, L.	Blankenheim	Zeitschrift &c. 1871, p. 373.
sublaevis,	Ad. Röm.	Spirif. Sands, L.	Reisenbach Thal, Kahleburg	Palæont. D. & Von M. v. 10, xiii. 220.
sublineata,'	Meek.	Bituminous L'st., M.	Fort Resolution (N.N.W. Arctic Amer.)	Trans. Acad. Sc. Chicago, i. 103.
<i>Martinia</i> .				
submacronata,'	Hall.	Orisk. Sandst., L. ...	Cumberland Co. (Maryland)	Hall, Palæont. N. Y. iii. 419.
subrotundata,'	"	Yellow Sands, U. ...	Burlington and bed 4 Sciottville (Ohio).	Hall & Wh. Rep. Iowa, p. 521.
subspeciosa,	Vern.	 L.	Vallenegrello, Ferrones (Spain), Mont Géant, Tchauchbachi, Kelender, Yenikoi, Therapia, &c., Brittany, Normandy.	Bull. Soc. Géol. Fr. n. s. vii. 179, xii. 190, 1016; Comptes Rendus, lxiv. 1218; Mém. Soc. Hist. Nat. Cherb. x. 201; D'Arch. Palæont. France, p. 45.
subspinosa,	"	.....	Kelender (Bosphorus)	Bull. Soc. Géol. Fr. n. s. xi. 413.
subumbona,'	Hall.	Ham. M.	Lake Erie (N.Y.), Tully Town, Seneca Co.	Palæont. N. Y. iv. 234.
<i>Ambocelia</i> .				
subvaricosa,'	Hall & Wh.	Cornif. Limest., L.	Waterloo Village (Iowa)	Descr. new Devon. Foss. 1872, p. 18.
superba,'	Billings.	Limest. No. 8, L.	Indian Cove, Gaspé (Canada East) ...	Canad. Surv. Pal. Foss. ii. 45.
tenticulum,	Vern.	Red rough Limestone, U., Famenne Schist, Stringoc. Limest., M.	Ilmen-See, rivers Don and Volkhoff Zadonsk, Upper Duna and Velicaia rivers, Chillon (Spain), Cerfontaine, Waller (Belgium), Avesnes, Bas-Boulonnais, Vilmar, Nassau.	Bull. Soc. Géol. Fr. n. s. xii. 1016; Murch., Vern. & Keyser. Geol. Russ. ii. 159; Grewingk, Geol. Livonia &c. p. 39; Sndbrgr. Verstein. Nassau, p. 323; D'Arch. Palæont. Fr. (Gosselet).
<i>Cyrtia</i> .				
tenuis,'	Hall.	Ham. Shale, M.	Cumberland Co. (Maryland)	Descript. Pal. Foss. 1857, p. 122.
trapezoidalis,'	Sow.	Dalm. M., U. ...	Newton Bush., Ilmen-See, Eifel, Beargrass Creek (Kentucky).	Trans. G. S. L. n. s. vi. 370; Yandel &c. Contrib. p. 24.
tribulis,'	Hall.	Orisk. Sandst., L. ...	Cumberland Co. (Maryland)	Palæont. N. Y. iv. 420.
Trigleri,	Vern.	 L., M., U.	Feké, Mont Géant, Kanlydja, Kartal, &c., Avesnes, Brulon, Les Courtoisures, Chassegraine, &c., Famenne, Castellejo, Sabero.	Comptes Rendus, lxiv. 1018; D'Arch. Pal. France, p. 46; Bull. Soc. Géol. Fr. n. s. vii. 781, xi. 408, xii. 1016, xiv. 369.
triplicata,'	Hall.	Ham. ?	Weston (Utah, N.W. America)	Strasburg. Travels to Utah.
Tullia,'	"	Ham. Sh. ?, M.	Owasko, Skeneateles Lakes; Borodino, Tullia, &c.	Palæont. N. Y. iv. 218.
umbonata,'		 M.	New York, Europe	Dana, Manual Geol. p. 284.
<i>Martinia</i> .				
undecomplicata,	Ad. Röm.	Iberg Limest., U. ...	Grund (Harz)	Palæont. D. & Von M. v. 34, xiii. 228.
undifera,	"	Givet Limest., Stringocceph Limest., L., M.	Meadfoot, Torquay, rivers Lenne, Vohde, Agger (Nassau), Gerolstein, Daleiden, &c. (Eifel), Vilmar, Weilburg (Nassau), Bensberg, Erque- linnés (Belg.), Upper river Velicaia (Livon.), Avesnes, Bas-Boulonnais.	Palæont. N. Y. iii. 202; Sndbrgr. Verstein. Harz, p. 314; Siluria, ed. 4, p. 396; Grewingk, Geol. Livon. p. 32.
var. undulata,	"	Limestone, M.	Torquay, Newton Abbott, Gympsie (Queensland).	Dauids. Mono. citat. Pal. Soc. 1863, pp. 36, 37; Quart. Journ. G. S. L. xxviii. 330.
undusos,	Schnur.	 L. ?	Gerolstein (rare)	Schnur, Palæont. D. & Von M. iii. 214.
unica,'	Hall.	Cornif. Limest., L.	Clarence Hollow (N. Y.)	Palæont. N. Y. iv. 202.
Urii,'	Fleming.	Eifel, stages 5, 6, 7, 8, M., U.	Grund, Torquay, Newton Bush., Petherwin, Pilton (slate), Baggy Point, Barnstable, Eifel.	Davidson, Mono. citat. Pal. Soc. 1863; Kayser, Zeitschrift &c. 1871, p. 368.
(Devon., Carb., Perm., Davidson.)				
Utahensis,'	Meek.	.....	(California) White-Pine District	In Clarence King's collection.
varicosa,'	Hall.	Corn. & Onond. Limestone, L.	Woodstock (Canada W.), Williamsville (N. Y.), Charleston Landing (Ind.).	Palæont. N. Y. iv. 205.
var. 'Venus,'	D'Orb.	Cornif. Limest., L.	Williamsville (N. Y.)	" 206.
respertilio,	Sow.	 L.	Nehou (La Manche)	Prodrome, i. 95.
vetulus,	Eichw.	Red Pentam. Limest., U.	Gympsie Goldfield (Queensland)	Quart. Journ. G. S. L. xxviii. 329.
<i>Uralo-altaicus</i> .			Bogosloffsk Lake and Yolva river (Ural), Thuringia.	Murch., Vern. & Keyserl. Geol. Russ. ii. 385; Richter, Pal. Thuring. p. 45.
Walferdini,	Rouault.	 M.	Gahard, Izé (France)	D'Arch. Palæont. Fr. p. 46; Bull. Soc. Géol. Fr. n. s. viii. 396.
Whitney,'	Hall.	Ham. Shale, M.	Lime Creek (Iowa)	Hall & Whitn. Rep. Iowa, p. 502.
Wortheni,'	"	Limestone, M.	Calhoun Co. (Illinois)	Hall, Descrip. Pal. Foss. 1857, p. 116.
ziczag,'	Ad. Röm.	Iberg Limest., M., U.	Moscowa, York, Genessee, Darien, Seneca and Cayuga Lakes (N. Y.), Louisville (Kentucky), Grund	Palæont. N. Y. iv. 222; Ad. Röm. Verstein. Harz, p. 14.
spec. indet.,	Herbert.	Gedinian of Mondre- pnis.	Nehou, Viré (France)	Bull. Soc. Géol. Fr. n. s. xii. 1185.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
spec. indet., Lonsd.	M.	Bas-Boulonnais, Devonshire.....	Bull. Soc. Géol. Fr. 1839, xi. 241.
" " " " " "	M.	" " " " " "	" " " "
Spiriferina, D'Orbigny, 1847.			
cristata, Schloth.	L, M, U.	Looe, Meadfoot, Torquay, Dartington,	Dauids. Mono. citat. Pal. Soc. 1863,
(Irish Coomhola), Perm.		Ilfracombe, Baggly Point, Pilton,	p. 47; Tchihat. Asia Minor, Append.
Jurass.?		Kartal.	p. 47.
var. octoplicata,	L.....	Meadsfoot (Devonshire South).....	Etheridge, Catal. Museum.
aculeata, Schnur.	Calceol. & Stringoc., M.	Belgium, Vilmar (Nassau)	Kayser, Zeitschrift, 1871, p. 592.
insculpta, Phill.	(Passage-bed), M., U.	Torquay, Lummaton	Dauids. Mono. citat. Pal. Soc. 1863,
			p. 48.
macrorhyncha, Schnur.	Calc. & Crin. Sch., M.	Budesheim &c. (Eifel)	Palæont. D. & Von M. iii. 237.
Spirigera, D'Orbigny, 1847,	Billings. Retzia,	King. Athyris, M'Coy.	
ambigua, Sow.	M.	Boureggi (Lake Ilmen), Valdai Hills...	Lethæa Rossica, p. 738.
concentrica, Von Buch & Bronn.	Cornif. L'st. & Ham., L., M., Ham. Shale, Spirif. Sandst., L., Calceol. Shale, M., Stringoc. L'st., M., Iberger Limest., U., Clymenia Limest.?, U.	Cayuga and Seneca Lakes, 18-mile Creek (New York), Louisville (Kentucky), Charleston Landing (Ind.), Cayuga, & Bosanq. (Can. W.), Little Traverse Bay (Michigan), Touwa (Teheran, Persia), Bogoslovsk (Ural), Volkhoff & Don rivers (Russ.), Pleskau, Isborsk (Livonia), Oberkuzendorf (Silesia), Thuringia, Ebersdorf, Magwitz, &c. (Saxony), Bensberg, Blankenheim, Elberfeldt (Rhen. Pruss.), Waldbrol (Westph.), Eifel (passim), Ferrones, &c. (Spain), Menzenberg, Chimay, Ferques, Viré, Gahard, &c., Newton, Dartington, Hope's Nose (S. Devon).	Canad. Natur. n. s. vi. 146; Verstein. Nassau, p. 327; Geol. Rep. Mich. Append. 1866, p. 86; Eichw. Leth. Ross. p. 735; Bull. Soc. Géol. Fr. n. s. iv. 325, vii. 162, xii. 1016; Palæont. D. & Von M. ix. 4; Krantz, Verh. d. n. Verst. xiv. &c.; Dauids. Mono. citat. Pal. Soc. 1863.
var. globosa, Von Buch.	U.	Rübeland (Harz)	Palæont. D. & Von M. ix. 4.
crassicaudalis, Swall.	U.	Iowa	Proc. Bost. Soc. Nat. Hist. vii. 299.
decussata, D'Orb.	U.	Petherwin (Cornwall)	Phill. Pal. Foss. Devon. pl. 28.
cborea, Winch.	M.	(Bryozoa bed) Little Traverse Bay ...	Geol. Rep. Mich. Append. 1866, p. 86.
Fultonensis, Swall.	M.	Callaway Co. (Missouri)	Trans. Acad. Sci. St. Louis, i. 648.
gracilis, Sndbrgr.	Stringoc. Limest., M.	Lahnstein, Weilburg (siliceous ironst.), Gerolstein.	Verstein. Nassau, p. 329.
Helmersen, De Vern.	M. ?	Pleskau, Iborsk (Livonia).....	Grewingk, Geol. Livonia, p. 34.
minima, Swall.	Ham. ....M.	Callaway Co. (Missouri)	Trans. Acad. Sci. St. Louis, i. 649.
prunulum, ?	Schist & Limest., M.	Salles, Aubriva, Ferrières, Jemelle, Hamptean (Belgium).	Gosselet, MS. 1870 (mecum).
Puschiana, De Vern.	M.	Upper river Velicaia, Pleskau, Isborsk (Livonia).	Grewingk, Geol. Livonia, p. 35.
Roissys, Goss.	U.	Etraungt (North France).....	Gosselet, MS. 1870 (mecum).
silicula, Riebt.	Cyprid. Schist, U. ...	Thuringia	Zeitschrift &c. Berlin, xxi. 389.
undata, ?	L.....	Houffalize (Luxemb.), Anor (France)	Gosselet, MS. 1871 (mecum).
Spirigera, D'Orbigny, 1849.			
reticularis. See <i>Atrypa reticularis</i>			Hall, Palæont. New York, iv. 317.
Streptorhynchus, King, 1850.	Orthisina,	D'Orbigny, 1847.	
analogus, ?	(Carb.) ...M., U. ...	Torquay, Ilfracombe, Pilton, Marwood	Dauids. Mon. cit. Pal. Soc. 1863, p. 107.
bifurcatus, ?	U.	" " " " " "	" " " "
Chemungensis, Conrad.	U.	Chemung Narrows (New York)	Journ. Acad. Nat. Sc. Phil. 1843, p. 357.
var. A, Pandora, Bill.	Cornif. Limest., L.	Knoxville, Clarksville, Utica, Clarence	H. D. Rogers, Geol. Penns. p. 827.
" " " " " "	Hall.	Hollow, Williamsville (New York), Pennsylvania, Lime Creek, and in Canada West.	
" B, arctostriatus, "	Ham. ....M.	York, Moscow, Pavilion, Darien, Tully, &c.	Palæont. New York, iv. 71, pl. x.
" C, perversus, "	Cornif. L'st., L., Ham., M.	Williamsville, Erie Co. (New York); Seneca and Cayuga Lakes, Fabius, Hamilton, Moscow.	" " " 73.
" D, pectinaceus, "	Ham., Chem. (also Carb.), U.	Chemung, Alleghany, Cattaraugus Cos. (New York).	Hall, Pal. N. York, p. 73, pl. x. fig. 6.
crenistris, Phill.	Limestone, L., M., U.	Looe, Watersmeet, Torquay, Black	Dauids. Mono. citat. Pal. Soc. 1863,
<i>Orthis compressa.</i>		Hall, Ilfracombe, Chamberscombe,	p. 125; Gosselet, MS. 1870 (mecum).
" <i>calcareo.</i>		Combe-Martin, Braunton, Lanlake,	
(In LLS. & Coomhola & C.L.)		Baggy Point, Pilton, &c., Ferques, Etraungt, Haumont, Senzeilles.	
gigas, M'Coy.	Shale	Looe, Pobruan, Padstow, Owell? ..	Etheridge, MS.; Dauids. Mono. citat. Pal. Soc. 1863, Table to p. 123.
lepidus, Schnur & Kayser.	Crinoid Sch., M. ...	Pelm, Gerolstein? (<i>Orthis</i> ?)	Pal. D. & Von M. iii. 218; Zeitschrift &c. 1871, pp. 371, 618.
persarmentosus, M'Coy.	Schist	East Looe, Fowey, Pobruan	Dauids. Mono. citat. Pal. Soc. 1863, p. 84.
plicatus, Sow.	U.	Baggy Point, Pilton, Petherwin, Barnstaple, &c.	" " " p. 82.
semicircularis, Phill.	U.	Baggy Point, Schübelhammer	" " " p. 76.
tenuistriatus, Phill. & Sow.	M.	Plymouth, Hope, Dartington, South Devon.	" ? " "

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
umbraculum,' Schloth. (Carb. in Yorksh.)	Calceol. Sh., L., M., U.	Saline Creek, St. Genev. Co. (Missouri); Warreu, Ohio Falls (Kentucky), Looe, Linton, Meadsfoot.	Proc. Ac. Nat. Sci. Phil. 1865, p. 117; Siluria, ed. 4, p. 399.
var. biconvexa, ,, gigas, M'Coy.	Sandstone Givet Limestone ...	Hope's Nose, Padstow, East Ogwell... Combe-Martin, Morebath, &c., Ailly, Couvin, Ferrières (Belg.), Ferques, Fiennes, &c., Gulf of Nicomedia, Eifel (passim), Kahleberg, Schalke, Shaly, Russian Poland.	David's Mono. cit. Pal. Soc. 1863, p. 125. Bull. S. G. Fr. n. s. xiv. 365 (Gosselet); Gosselet, MS. 1870; Palæont. D. & Von M. iii. 56, 216; De Koninck, Notices Foss. Devon. Poland, 1868.
Stricklandia , Billings, 1859. elongata,' Vanux.	Stricklandinia , Oriskany S't., Cornif. Limest., L.	Haldimand, North Cayuga (Can. W.)	Geol. Can. 1863, p. 360; Can. Journ. 1861, p. 267.
Stringocephalus , De France Burtini, De France.	e, 1824. (Not known Stringoc. Limest. &c., L., M., U.	in America.) Plymouth, Newton Bush., Ilfracombe, &c., Torquay, Bradley, Sandebay, &c. (Devonsh.), Kehrzu, Weinshenke, Buntebock, Hartenberg, Friefels, Vilmar, Arfurth, Wetzlar, Brilon, Meschede, Paffrath, Aachen, Schö- necken, Pelm, Kerpen, Iserlohn, Madfield, Prüm, Oos, Chinay, Ver- vières, Trelon, &c., Almaden (Spain), Serebrianka riv. (Ural), rivers Volk- hof and Siass, &c.	M'Coy, Brit. Palæozoic Rocks, p. 38; Pal. D. & Von M. iii. 24, 63, 195; Bull. S. G. Fr. n. s. x. 126, xii. 1016, xvii. 789; Sndbrgr. Verst. Nassau, p. 309; Trans. G. S. L. n. s. vi. 269, 293; Gosselet, MS. 1870; Eichw. Lethæa Ross. i. 690; Murch., Vern. & Keyserl. Geol. Russa. ii. 105, 383.
Strophalosia , King, 1844. caperata, Sow.	Subgenus Orthothyrax , Calceol. Sc. & Stringoc. Limest., M., U.	Geinitz , 1848. Aulosteges , Prussino, Bouregghi, L. Ilmen, Labedian (Gov. Voroneje), Orel, Ottrada, Blan- kenheim, Ferques, S.W. Petherwin, Pilton, Croyde, Marwood, &c.	Holmerson , 1847. Trans. G. S. L. ser. 2, vi. 397; Murch., Vern. & Keyserl. Geol. Russ. ii. 61; Quart. Journ. G. S. L. xxiii. 624.
<i>productoides</i> , Murch. fragaria, Sow. Murchisoniana, De Kon. subaculeata, Murch.	M., U. ... .....upper M. Limestone, M., U. ...	Cornwall, N. Devon Skaly near Slupia, Sandomir (Poland) Newton Bushell, Hope, Petherwin ...	Trans. G. S. L. ser. 2, v. pl. 56. Notice des Foss. Dévon. Pol. Bull. Soc. Géol. Fr. n. s. xi. 255.
Strophodonta , Hall, 1852. aequicostata,' Swall. altidorsata,' UHL. alveata,' Hall. ampla,' Billings, "	An American genus. Ham. ....M. UHL. ....L. Schoh. Grit, L. " Onondag. Limest., L., Ham., M.	Callaway Co. (Missouri) Clarksville, Knox, Albany Co. (N. Y.) Albany and Schohar. Cos., Helderberg Mountains, Cherry Valley, Onondag, and Clarence Hollows, Williamsv., &c. (N. York), Little Traverse Bay (Michigan).	Trans. Acad. Sci. St. Louis, i. 637. Hall, "Pal. New York, iv. 81. " " 93; Winch. Geol. Rep. Michig. Append. 1866, p. 85.
arctostriata,' Leptæna. arcuata,' bifurcata,' Boonensis,' Callawayensis,' callosa,' var. ' Cayuta,' interstitialis, Phill.	,, Limestone, U. ,, Ham. ....M. ,, Chem. ....U. Swall. UHL. ....L. ,, Ham. ....M. Hall. Schoh. Grit, L. ,, L. ,, Chem. ....U. Winch. Ham. ....M. Hall. Chem. ....U. ,, Ham. (Mosc. Sh.), M. D. D. Owen. Cornif. Limest., L. Conrad. Schoh. Grit, L. Swall. UHL. ....L. Hall & Conrad. " Schohar. Grit, Ham. Group, M., Chem., L., M., U.	Hobbierville, Alleghany Co. (N. York), Ohio. Lime Creek, Rockford (Iowa) Napoli, Cattaraugus Co. (N. York) ... Callaway Co. (Missouri) " Clarksville, Knox (New York) Cayuta Creek near Elmira, Bath, &c. (N. Y.), Blossburg Railway (Penns.). (Bryozoa bed) Little Traverse Bay ... Elmira (New York) From L. Cayuga to L. Erie (passim) ... Davenport (Iowa) Clarksville, Knoxville (New York) ... Callaway Co. (Missouri) Malden, Blanchard (Can. W.), Pine & Lime Creeks, Independence Townsh., &c. (Iowa), Darien, Seneca & Cayuga Lakes, Rock Island, Jackson Co. (Illinois), Pennsylvania, Louisville (Kentucky), &c., Clearwater river, Fort Resolution, N.N.W. Amer.	Hall, Palæont. New York. Hall & Whitney, Rep. Iowa, p. 492. XIV. Rep. Regents New York, p. 36. Trans. Acad. Sci. St. Louis, i. 638. Hall, "Palæont. New York, iv. 82. " 83. " 110. Geol. Rep. Mich. Append. 1866, p. 92. Hall, Palæont. New York, iv. 111. " 96. Geol. Rep. Minnesota &c. p. 624. Palæont. New York, iv. 86. Swall. Trans. Ac. Sci. St. Louis, i. 636. Canad. Journ. n. s. vi. 371; Hall & Whitu. Report Iowa, pp. 485, 496; Palæont. N. York, iv. 81, 101; H. D. Rogers, Geol. Penns. p. 827; Worth. Rep. Illinois, pp. 121, 122; Meek, Trans. Acad. Sci. Chicago, i.
erratica,' Galatea,' hemisphaerica,' imitata,' inacquiradiata,' Strophomena, Conrad. inacquistriata,' Conrad.	Winch. (in 4 sedts.), U. Bill. L'st. No. 8, Oriskany Sandst., L. Hall. Schoh. Grit, L., Cornif. Limest., L. Winch. Ham. (Acerv. beds), M. Hall. Oriskany Sandst. and UHL., L. Conrad. Cornif. L'st., Moscow Sh., L., M.	Little Traverse Bay (Lake Michigan). Indian Cove, Gaspé Bay (Can. E.) ... Albany & Schoh. Cos., river-Ohio Falls, Port Colborne (L. Erie), Can. W. Little Traverse Bay (Lake Michigan). Albany and Schoharic Cos., Cherry valley, &c. Caledonia, Livingstone Co., Seneca and Cayuga Lakes, Moscow, Genessee &c. (N. York), Louisville, Malden, Blan- chard, Goderich, &c. (Can. W.).	Geol. Rep. Mich. Append. 1866, p. 93. Geol. Canada, 1863. Palæont. New York, iv. 91. Geol. Rep. Mich. Append. 1866, p. 93. Palæont. N. York, iv. 87. " 93, 106; Yand. & Shum. Contrib. Kentucky, p. 33; Can. Journ. n. s. vi. 388.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
<i>inflexa</i> ,	Swall.	UHL. ....L.....	Callaway (Missouri)	Trans. Acad. Sci. St. Louis, i. 636.
<i>intermedia</i> ,	Hall.	Oriskany Sandst., L.	Cumberland Co. (Maryland)	Palæont. New York, iii. 482.
<i>Junia</i> ,	"	Cornif. Limest., Ham.	Cayuga and Seneca Lakes, Mud Creek	" " iv. 108.
<i>textilis</i> , Hall.		Gr ^p , Tully Limest.,	W., Bloomfield W., York, Moscow,	
<i>Kemperi</i> ,	Swall.	UHL. ....L.....	Darien, Bethany, Covington (N. Y.).	Trans. Acad. Sci. St. Louis, i. 636.
<i>Lincklaeni</i> ,	Hall.	Oriskany Sandst., L.	Albany and Schohar. Cos., Cumberland	Palæont. New York, iii. 415.
<i>Strophomena</i> .			Co. (Maryland).	
<i>magnifica</i> ,	"	" " L.	Albany & Schoh. Cos. (N. Y.), Haldimand	" " ; Canad.
<i>Strophomena</i> .			(C. W.), Cumberland Co. (Maryl.).	Natur. n. s. vi. 348.
<i>magniventra</i> ,	"	" " L.	" " "	Hall, Palæont. New York, iii. 411.
<i>Strophomena</i> .				
<i>mucronata</i> ,	Conrad?	Chem. ....U.	Chem. Narrows, Ithaca, Bath, Elmira.	Palæont. New York, iv. 104.
<i>nacrea</i> ,	Hall.	Cornif. L'st., L., Ham.	East Victoria, Darien, Canandaigua L.	Geol. Can. 1863, p. 313; Geol. Rep.
		Shale, M.	Rock Isle, riv. Maumee (Ind.), Little	Michig. Append. 1866, p. 86.
<i>lepidia</i> .			Trav. Bay, Bosanquet, Haldimand.	
<i>navalis</i> ,	Swall.	UHL. ....L.....	Callaway Co. (Missouri)	Trans. Acad. Sci. St. Louis, i. 635.
<i>parva</i> ,	Hall.	Schoharie Grit, L. ...	Albany and Schoh. Cos., New Buffalo	Palæont. New York, iv. 85.
			(Iowa).	
<i>Patersoni</i> ,	"	Cornif. L'st., L., Schoh.	Helderberg Mounts., Schoh. & Ontario	" " 89.
		Grit, L.	& C. Cos., Stafford, Williamsville	
<i>perplana</i> ,	Conrad.	Schohar. Grit, Cornif.	(New York) Bakeoven (Illinois).	
		Limest., Ham. Gr ^p ,	Cherry valley, Clarksville, Williams-	" " 91, 98.
		Chem., L., M., U.	ville, Knox, Cayuga and Seneca Lakes	
<i>Strophom. perplana</i> .			(New York), Calhoun, Pine Creek,	
" <i>crenistris</i> .			Independence, Rock Island, New	
" <i>delthyris</i> .			Buffalo (Iowa), Blossburg Railway	
" <i>fragilis</i> .			(Penns.), riv. Saugeen, North Cayuga	
var. <i>nervosa</i> ,	Conrad.	Chem. ....U.	Co., Malden, Bosanquet, &c. (C. W.),	
			Louisville (Kentucky), Indiana.	
<i>plicata</i> ,	Hall.	Ham. Sh. & Limest., M.	Bath, Campbelltown, Steuben & Tioga	" " 113.
<i>quadrata</i> ,	Swall.	Ham. ....M.	Cos., Ithaca, &c. (New York).	" " 114.
<i>Quichua</i> ,	D'Orb.	Ham. ....L.....	Independence, Iowa city	Trans. Acad. Sci. St. Louis, i. 639.
<i>reversa</i> ,	Hall.	Sandstone, L.	Callaway Co. (Missouri)	Voy. Amér. du Sud, iii. 227.
<i>subcymbiformis</i> ,	Swall.	Ham. ....M.	Bolivian Andes	Hall & Whitn. Rep. Iowa, p. 494.
<i>subdemissa</i> ,	Hall.	UHL. ....L.....	Lime Creek, Rockford (Iowa)	Trans. Acad. Sci. St. Louis, i. 636.
			Callaway Co. (Missouri)	Winch. Geol. Rep. Mich. 1866; Hall,
			Grand Traverse Bay, Lake-Erie Shore	New Spec. 1857.
			(New York).	Hall, Palæont. New York, iii. 412.
<i>vascularia</i> ,	"	Oriskany ...L.....	Albany and Schoharie Cos.	Geol. Rep. Michig. 1861, p. 65.
spec. indet.,	Winch.	UHL. ....L.....	Michigan.....	
Strophomena , Rafinesque, 1820,				
<i>acutiradiata</i> . See Chonetes .				
<i>Bainei</i> ,	Sharpe.	Silic. Sandst., L.....	Warm Bokkefeld (S. Africa).....	Quart. Journ. G. S. L. ii.
<i>bifurcata</i> ,	Hall.	Chem. ....U.	New York	Palæont. New York, iv. 67, 73.
<i>Streptorhynchus</i> .				
<i>Blainvillei</i> ,	Bill.	Oriskany Sandst., L....	Gaspé (Canada East).....	Geol. Surv. Can. Pal. Foss. ii. 28.
<i>Bouei</i> ,	Barr.	L.....	Mont Géant, Arnaout-koi, Kanlidja,	Comptes Rendus, lxi. 1218; Vanux.
			Port Crane, Ludlowville, &c.	Geol. New York, pp. 155, 180.
<i>Budleighensis</i> ,	Dauids.	?	Budleigh-Salterton pebble-beds	Quart. Journ. G. S. L. xxvi. 86.
<i>caudata</i> ,	Schnur.	Upp. Calceol., M. ...	(Eifel), Blankenheim, Rommersheim.	Palæont. D. & Von M. iii. 238.
<i>convexa</i> ,	Bill.?	Ham. ....M.	Bosanquet (Canada West), West New	Geol. Can. 1863, p. 381.
			York (passim).	
<i>Dutertrii</i> ,	De Vern.	Passage-beds, L., U...	La Manche, Chaudfontaine, Verviers.	Siluria, ed. 4, p. 400.
			Huy (Belgium).	
<i>Edgelliana</i> ,	Dauids.	Uncertain (Davidson)	Budleigh-Salterton (Devonshire).....	Quart. Journ. G. S. L. xxvi. 86.
<i>Etheridgei</i> ,	"	" " " " " "	" " " " " "	" " 85.
<i>fragilis</i> ,	Worth.	Ham. ....M.	Rock Island (Illinois)	Worth. Geol. Rep. Illinois, i. 121.
<i>hemispherica</i> ,	Winch.	UHL. ....L.....	Little Traverse Bay, Lake Michigan...	Geol. Rep. Mich. 1861, p. 65.
<i>inaequiradiata</i> ,	Hall.	Limest. No. 8, L. ...	Indian Cove, Gaspé (Canada East)...	Bill. Can. Geol. Surv. Pal. Foss. ii. 24.
			Western N. York, Western Canada ...	" ?
<i>irregularis</i> ,	Ferd. Röm.	Calceol. Sch. &c., M...	Gees, Blankenheim (Eifel)	Palæont. D. & Von M. iii. 237.
<i>Leptæna</i> .				
<i>Irene</i> ,	Bill.	Limest. No. 8, L. ...	Grand Grève, Gaspé Bay (Canada E.).	Can. Geol. Surv. Pal. Foss. ii. 27.
<i>interstitialis</i> ,	Phill.	Calceol. Limest. &c.,	Prüm, Daleiden, Festenburg, &c.....	Kayser, Zeitschr. 1871; Palæont. D.
				& Von M. xiii. 223.
<i>Ithacensis</i> ,	Vanux.	Chem. ....U.	Inclined plane at Ithaca (N. York)...	Vanux. Geol. New York, p. 175.
<i>lacrymosa</i> ,	Conrad.	"U.	New York (see Productella).....	" " p. 185.
<i>lima</i> ,	"	"U.	" " " " " "	" " " "
<i>Productella</i> .				
<i>magniventra</i> ,	Hall.	Limest. No. 8, L. ...	Indian Cove, Gaspé Bay (Can. East),	Can. Geol. Surv. Pal. Foss. ii. 22.
			Can. West, N. York (Oriskany S'st.).	
<i>minuta</i> ,	Ad. Röm.	Calceol. Sch., M.....	Auerhahn (Westphalia).....	Palæont. D. & Von M. xiii. 223.
<i>nobilis</i> ,	M'Coy.	Limestone, M.	Torquay	Ann. & Mag. Nat. Hist. ser. 2, viii. 481.
? <i>opercularis</i> ,	De Vern.	L., M.	Weinsheim, Schönecken, &c. (Eifel),	Pal. D. & Von M. iii. 236; Murch.
			Volkhoff (Baltic Russia).	Vern. & Keyserl. Geol. Russ. ii. 387.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
palma,	Kayser.	Low. Calceol. Sch., M.	Hillesheimer Mulde (Eifel)	Zeitschr. &c. xxiii. 621.
piliger,	Sndbrgr.	Spirif. Sandst., L. ...	Kemmenau, Lahnstein, Laubachthal, &c.	Verstein. Nassau, p. 361.
radiata,	Worth.	L.	Bailey's Landing (Missouri)	Worth. Geol. Rep. Illinois, i. 128.
rhomboidalis,	David.	Oriskany Sandst., L.	Parkhurst &c. (Iowa), Saline Creek &c.	Trans. Ac. Sci. St. Louis, i. 162; Worth.
	Wilkens.	Spirif. Sandst., L.	(Miss.), Union Co. (Ill.), Charleston	Geol. Rep. Illin. p. 122; Geol. Can.
		Calce. Sch., Cornif.	Landing (Ind.), river-Ohio Falls	1863, pp. 360, 371; Phill. Pal. Foss.
		Limest., L., Ham.,	(Kentucky), New York, Malden, &c.	Devon. p. 56; D'Arch. Pal. de Fr.
		M., Calceol. Sch.,	(Canada W.), Nictau (Nova Scotia),	p. 45 (Gosselet); Pal. D. & Von M.
		M., Condros Psam-	Looe, Plymouth, Black Hall, Mar-	iii. 224; Bull. S. G. Fr. n. s. iv. 704,
		mite, U.	wood (Devonshire), Ferques, Nehou	vii. 161, 783, xviii. 338, xxi. 306;
			(France), Chimay, Masbourg, Hon-	Compt. Rend. lxiv. 1218; Tehihat.
			nay, &c. (Belgium), Prüm, Daun, &c.	Asia Miu. p. 38; Vern. & D'Arch.
			(Eifel), Aviles &c. (Spain), Scutari	Quart. Journ. G. S. L. xxiii., For.
			&c. (Bosphorus), Queensland, Mala-	Mem. p. 15.
			goziz (Poland).	
var. analoga,	Phill.	M., U.	Woolboro', Ilfracombe, Marwood, &c.	M'Coy, Brit. Palæozoic Rocks, p. 389;
			Eifel, Nassau, Nowa Slupia (San-	Zeuchner, Zeitschr. &c. xxi. 268.
			domir).	
subdemissa,	Meek.	Ham. ....M.	Fort Resolution (N.N.W. Arct. Amer.)	Trans. Acad. Sci. Chicago, i. 88.
subtetragona,	Ad. Röm.	Calceol. Sch., M.	Festenburg (Harz), Belgium, Eifel ...	Palæont. D. & Von M. xiii. 207.
Sullivan,	Sharpe.	Schist & Clay-stone, L.	Warm Bokkewell aud Falkland Island	Trans. G. S. L. n. s. vii. 29?
			(S. Africa).	
Tullia,	Bill.	L.	Mont Joli, Percé, Gaspé (Can. East.)...	Can. Geol. Surv. Pal. Foss. ii. 29.
umbonata,	Vanux.	Ham. & Chem., M., U.	Port Crane, Broome Co. (N. York)...	Vanuxem, Geol. New York, 3rd Distr.
				p. 180.
undulata,	"	Cornif. Limest., L.	Louisville (Kentucky)	Yand. & Shum. Contr. Kent. 1847, p. 33;
				Vanux. Geol. N. Y. 3rd Distr. p. 180.
ziczac,	Sndbrgr.	Stringoc. Limest., M.	Vilmar (Nassau)	Sandberger, Verstein. Nassau, p. 365.
Terebratula , Lwyd, 1699.				
Adrieni, De Vern. & D'Arch.		L.	Ferrones (Asturias), Eifel.....	Bull. Soc. Géol. Fr. n. s. ii. 171.
aequiconvexa,	Ad. Röm.	Iberger Limest., U.	Grund (Harz), Baggy, Pilton, &c.	Palæont. D. & Von M. iii. 86.
			(Devonshire).	
amygdaliua,	Goldf.	Low. Stringoc., M.	Kemmenau, Nieder-Rosbach (Nassau)	Trans. G. S. L. ser. 2, vii. 391.
Caigua.				
anceps,	De Kon.	Limestone, M.	Couviu (Belgium)	"
antiqua,	Schnur.	Grauwacke, L.	Daleiden, Irrhausen (Eifel)	Palæont. D. & Von M. iii. 240.
aptyeta,	"	(4 varieties), M. ? ...	Gerolstein	241.
Archiaci,	De Vern.	L.	Houffalize (Belgium)	D'Oin, d'Halloy, "Précis Géol. p. 575.
? Bainii,	Sharpe.	Sandstone, L.	Warm Bokkeweld (S. Africa)	Trans. G. S. L. n. s. vii. 215.
Bordau,	De Vern.	Limestone, L. ? ...	Sabero, Prov. Leon (Spain)	Bull. Soc. Géol. Fr. n. s. vii. 161, 172.
Buchii,	Münst.	Clymen., U.	Elbersreuth (Franconia)	Beiträge &c. iii. 74.
cingulata,	"	Orthoc. Limest., U.	" "	" 77.
Atrypa,				
concinna,	D. D. Owen.	Shell-beds, M.	Lower Iowa and Cedar rivers (Iowa)...	Geol. Rep. Minnesota &c. p. 78.
corculum,	Eichw.	Black Pentam. L'st., L.	Bogoslovsk (N. Ural)	Lethæa Rossica, i. 688.
Eifelensis,	Schnur.	Limestone, L.	Schönecken, Gerolstein (Eifel)	Palæont. D. & Von M. iii. 193.
Elia,	Hall.	UHL., Ham., L., M.	Waterloo (Iowa)	Palæont. New York, iv. 390.
elongata,	Schloth.	Iberger Limest., U.	Grund, Glucksbruch (Harz?), Couvin,	Ad. Röm. Verst. Harz, p. 28; D'Arch.
			Izé, Gahard, Avesnes, Ferques	Pal. de France (Gosselet); Siluria,
			(France).	ed. 4, p. 360.
Guerangeri,	De Vern.	M.	La Baconnière, Viré, &c.	Bull. Soc. Géol. Fr. n. s. vii.
Harmonia,	Hall.	Cornif. Limest., L.	Falls, river Ohio (Kent.), Canada W.	Palæont. New York, iv. 388.
inequalis,	Ad. Röm.	Spirif. Sandst., L., M.	Festenberg, Reichenbachthal, Plymouth.	Palæont. D. & Von M. v. 10.
jucunda,	Hall.	Ham. ....M.	Waterloo (Iowa)	Palæont. New York, iv. 390.
juvenis,	Phill.	M.	Torquay, Newton Bushell, Barton ...	David. Mono. citat. Pal. Soc. p. 8.
Kielensis,	Ferd. Röm.	M.	Kielce (Silesia)	Zeitschr. geol. ges. Jahrb. 1866.
Amphitoma part., VouBuch.				
lens,	Hall.	Cornif. Limest., L.	Clarence Hollow (New York)	Palæont. New York, iv. 386.
lingularis,	Münst.	Orthoc. Limest., U.	Elbersreuth	Beiträge &c. iii. 74.
Livonica,	Von Buch.	M., U.	Zadonsk (river Don), Budevich (Russ.)	Recherch. Russ. 1858, pp. 47, 94.
? longinqua,	Beyr.		Murzuk (Central Africa)	Zeitschr. d. g. Gesell. Jahrg. iv. 157.
Llwydii,	Richt.	Clymen., U.	Grund, Rübeland (Harz), Thuringia..	Trans. G. S. L. ser. 2, vi. 392.
macrorhyncha,	Schnur.	Grauwacke, L.	Prüm, Daleiden, Waxweiler, Daun ...	Palæont. D. & Von M. iii. 235.
megistana,	Le Hon.	M., U.	Givet, Frasnes (Belgium).	
microconcha,	"			
monticulata,	Schloth.	L.	Blankenheim (Eifel)	Trans. G. S. L. n. s. vi. 392.
Newtonensis,	David.	M.	Woolboro' (S. Devonsh.), Nehou (Fr.)	David. Mono. citat. Pal. Soc. p. 3.
nuda,	De Vern.	Pentamer. Limest. ...	River Vuia (N. and S. Ural)	Murch., Vern. & Keys. Geol. Russ. ii. 63.
obcordata,	Ad. Röm.	Iberger Limest., U.	Grund, Rübeland	Palæont. D. & Von M. xiii. 229.
obovata,	Münst.	Clymen. Limest., U.	Elbersreuth.....	Beiträge &c. iii. 78.
Oliviana, De Vern., D'Arch.			Asturias, Chillon, Vallé-negrillo-au-	Bull. S. G. Fr. n. s. xii. 1016, xiv. 371.
			brive (Belgium).	
plebeia ?,	Dalmann.	Blue Limest., U.	Kipet near Bieleff (Russia)	Index Pal. Bronn, p. 1246.
prominula,	Ferd. Röm.	Limestone, M. ? ...	Gerolstein, Schönecken (Eifel)	Palæont. D. & Von M. iii. 184.
prunulum,	Schnur.	" L.	" " Daleiden, &c.	" " 190.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
pumilio, Puschiana, Romingeri,'	Ad. Röm. Vern. Hall.	Iberg Limest., U. .... .....U. Ham. ....M.	Bochwiese (Harz) Ulabe, Kipet..... York, Hamburg (N. Y.), Thunder Bay? (Lake Huron).	Palæont. D. & Von M. v. 37. Helmers. Explic. Carte Russ. p. 16. Palæont. N. Y. iv. 389.
rotunda,	Münster.	Clymen. Limest., U.	Schübelhammer (Thuringia), Wenlock Edge.	Trans. G. S. L. n. s. v. 392.
? rotundata, sacculus,	" Martin.	" Stringoc. Iberg, Clymenia Limestones, M., U.	Schübelhammer Torquay, Newton Bush., Baggy, Pilton Grits, Marwood, Inia river (Ural), Elbingerode, Iberg Limestone (Harz), Gerolstein, Nassau.	Beiträge &c. iii. 75. Davids. Mono. citat. Pal. Soc. 1863, p. 6; Murch., Vern. & Keyserl. Geol. Russ. ii. 396; Ad. Röm. Verstein. Harz, 1843, p. 18; Palæont. D. & Von M. xiii. 227.
scalprum,	Ad. Röm.	Iberg Limest., M., U.	Iberg Mountain (Grund), Izé, Viré (Fr.), Couvin (Belg.).	Palæont. D. & Von M. iii. 31.
Schultzii, scitula,' Athyris.	Vern. Hall.	L? Cornif. Limest., L.	Ferrones, Sabero, Colle (Spain) Louisville (Kentucky), Haldemand, Cayuga (Canada W.).	Bull. Soc. Géol. Fr. n. s. vii. 161, 173. Yand. & Shum. Contrib. 1847, p. 33.
semilevis, ? silicula, Richter & Unger.	Ad. Röm.	Schist ... U.	Famenne (Belg.), Grund (Harz) Thuringia	D'Om. D'Hallo, Précis Geol. p. 577. Leonh. & Br. Jahrb. 1856, p. 626.
simulator,' subacuminata, subcoarctiformis,	Hall. Ad. Röm. Schnur.	Ham. ....M. Limestone, U. " L.	Widder (Canada West)..... Tannschen by Elbingerode (Harz) ... Pelm, Gerolstein	Palæont. N. Y. iv. 391. Palæont. D. & Von M. iii. 86. 186.
subcurvata, subglobosa, Sullivanti,'	Münster. Goldf. Hall.	Orthoc. Limest., U. .... .....M. UHL. ....L.	Elbersreuth (with four varieties)..... Nieder-Rosbach (Nassau) Columbus, Sandusky (Ohio), Cayuga (Canada West).	Beiträge &c. iii. 75. Trans. G. S. L. ser. 2, vi. 392. Palæont. N. Y. iv. 387.
Traversensis,' ventrosa, venusta, Volzii, Wahlenbergii, spec. indet., " (2), D.D. Owen. " Hommaire de Hell.	Winch. Schnur. " " Goldf. Ad. Röm. Hall.	Ham. ....M. Limestone, U. Grauwacke, L. " ? Iberg Limest., U. Calceol. Sch., M. Ham. ....M.	Little Traverse Bay Eifel (passim)..... Hontheim by Prüm, Daun Paffrath (Rhenish Prussia) Harz Birkenthal in Ockerthal (Harz) New Buffalo, Rockingham (Iowa) ... Touwa (Armenia or Persia)	Geol. Rep. Mich. 1866, Append. p. 86. Palæont. D. & Von M. iii. 235. 180. 230. 105. 73. Geol. Rep. Minnesot. &c. p. 624. Bull. Soc. Géol. Fr. n. s. vii. 501.
Atrypa Bolonensis. Trematospira , James Hall, 1857. gibbosa,' Retzia Eugenia. hirsuta,' Athyris? Chloe.	Hall. " "	Ham. Shales, M. " M.	Bellona, Genessee, York, Pavilion, &c. Bloomfield, York, Moscow, Livingstone, Pavilion, &c., Widder (Lake Erie, Canada West).	Palæont. N. Y. iv. 273. " " 274.
? liniuscula,' Tropidoleptus , J. Hall, 1857. carinatus,' Leptæna laticosta?, Hall.	Winch. Conrad.	Ham. ....M. Ham. ....M.	Little Traverse Bay, Lake Michigan... Iowa, Pennsylv., Schohar. Co., 18-mile Creek, Seneca, Cayuga, Canandaig. Lakes, Jackson Co. (Illinois).	Rep. Michigan, 1866, Append. p. 86. Worthen, Rep. Illinois, i. 122; Palæont. N. Y. iv. 407.
occidens,' Uncites , Schloth., 1828; Davidson, 1848. gryphus,	" Schloth.	"M. Upper Stringocephalus Limestone, L., M., U.	Iowa City (Iowa) Gerolstein, Prüm, Sotenich, Vilmar, Altenberg, Salchendorf, Paffrath, Oberbicht, Schwelm, Hagen, Nowa-Wioske (Poland), Givet, Nisme (Couvin), Hatton.	Palæont. N. Y. iv. 408. Verstein. Nassau, p. 334; Trans. G. S. L. n. s. vi. 392; Ferd. Röm. Geol. Oberschlesien, p. 35; Gosselet, MS. 1870 (mecum).
Vitulina , Hall, 1859. pustulosa,'	Hall.	Upper Ham., M.	Genessee Co., Canandaigua Lake, York, Tully, Tinker's Falls.	Palæont. N. Y. iv. 410.

SUBKINGDOM MOLLUSCA. PROVINCE LAMELLIBRANCHIATA. CLASS CONCHIFERA.

GROUP MONOMYARIA (PLEUROCONQUES, D'Orbigny).

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Avicula , Klein, 1753; <i>Lam</i> <i>arch</i> , 1801. Monotis , Bronn, 1830. Eumicrotis , F. B. Meek, 1864.			
<i>aequilatera</i> , Hall.	M.	Bloomfield (N. Y.).....	Palaeont. N. Y.
<i>Esopis</i> ?, Conrad.	Ham. ....M.	New York	Vanux. Geol. N. Y. 3rd dist. p. 162.
<i>avis</i> ?, Hall.	Marcell. Shale, M.	Pennsylvania	II. D. Rogers, Geol. Penns. p. 827.
<i>Albertiana</i> , Rouault.	M.	Izé, France	Bull. Soc. Géol. Fr. n. s. viii. 390.
<i>Alula</i> , Eichw.	M.	River Sjass. Nova Ladoga (Timan Range), Pskow (South Livonia).	Lethaea Rossica, p. 950.
<i>amygdaloides</i> , Ad. Röm.	Goniat. & Iberg Lime-stone, U.	Altenau (Harz)	Palaeont. D. & Von M. xiii. 230.
<i>angustirostra</i> , Conrad.	Ham. ....M.	New York	Vanux. Geol. N. Y. 3rd dist. p. 162.
<i>antiqua</i> , Goldf.	M.	Eifel, Boureghi (Russ.).....	Trans. G. S. L. n. s. vi. 398; Eichw. Lethaea Rossica, p. 984.
<i>arcana</i> , Keyserling.	Marly Limest., M.	River Vytschegda, Upper Velicaja valley (Livonia).	Grewingk, Livon. p. 32; Eichw. Lethaea Rossica &c. p. 951.
<i>arenosa</i> , Billings.	Orisk. Sand., L.	North Cayuga (Canada West).....	Geol. Canada, 1863, p. 361.
<i>Austeni</i> , Ad. Röm.	Goniat. Limest., U.	Piltou, Marwood, Schulenberg (Harz)	Palaeont. D. & Von M. v. 37; Verstein. Nassau, p. 286.
<i>Bodana</i> , " Cyprid. Limest., U.	.....	Bergfeldt (Harz)	Palaeont. D. & Von M. v. 76.
<i>Boydii</i> ?, Conrad.	Ham. ....M.	New York	Vanux. Geol. N. Y. 3rd dist. p. 162.
<i>Buchii</i> , Eichw.	M.	Boureghi, Adsel (Livonia)	Lethaea Rossica, p. 954.
<i>Chemungensis</i> , Conrad.	Chemung...U.	New York	Vanux. Geol. N. Y. 3rd dist. p. 185.
<i>clathrata</i> , Sndbrgr.	Stringoc. Limest., M.	Vilmar, Lahustein, Grund, Barton ...	Verstein. Nassau, p. 286; Verstein. Harz, p. 21.
<i>crinita</i> , Ad. Röm.	Iberger Limest., U.	Grund	Palaeont. D. & Von M. xiii. 230.
<i>declivis</i> , Eichw.	Marly Limest.	Boureghi (Lake Ilmen, Russia)	Lethaea Rossica, p. 952.
<i>dispar</i> , Sndbrgr.	Cyprid. Sch., U.	Oberscheldt, Enkeberg, Nehden	Verstein. Nassau, p. 284.
<i>Duclosiana</i> , Rouault.	M.	Gahard	Bull. Soc. Géol. Fr. n. s. viii. 391.
<i>duplicata</i> , Hall.	U.	New York, Missouri	Swallow, Rep. Missouri, ii. 218; Amer. Phil. Soc. Philad. xi. 64.
<i>erecta</i> ?, Courad.	Ham. ....M.	West Hamilton Village (N. Y.)	Vanux. Geol. N. Y. 3rd dist. pp. 158, 162.
<i>eximia</i> , Vern.	Marly Limest., L.	Zadonsk, Jeletz on river Don, Borinsky-Sawoda.	Lethaea Rossica, p. 953.
<i>fasciculata</i> , Goldf.	Burnot Conglom., Upper Eifelian, Silicas, L., M.	Almaden, Caillou-Quibic, Avesnes, Bas-Boulonnais, the Rhiue borders.	Bull. S. G. Fr. n. s. xvii. 1005, 1185; D'Archiac, Palaeont. de Fr. (Gosselet).
<i>flabellum</i> , Conrad.	Ham. ....M.	Pennsylvania, West Hamilton, Cherry Valley, &c (N. Y.)	II. D. Rogers, Geol. Pennsylv. p. 827; Vanux. Geol. N. Y. p. 162; Lethaea Rossica, i. 62.
<i>fragilis</i> , " <i>subfragilis</i> .	Genessee Slate, M.	New York	XIV. Rep. Regents N. Y. p. 34.
<i>Gastaldiana</i> , Rouault.	M.	Izé	Bull. Soc. Géol. Fr. n. s. viii. 390.
<i>Gebhardii</i> , Conrad.	Orisk. Sand., L.	Albany and Schoharie Counties (N. Y.)	II. D. Rogers, Geol. Pennsylv. p. 827; Vanux. Geol. N. Y. p. 162; Lethaea Rossica, i. 62.
<i>gibbosa</i> , Münt.	Clymen. Limest., U.	Pressek, Schübelhammer (Thuringia)	Beiträge &c. iii. 52.
<i>Goldfussi</i> , Vern.	M.	Paffrath, Refrath (Rhen. Prussia)	Trans. G. S. L. ser. 2, vi. 398.
<i>Gosae</i> , Ad. Röm.	With Calc. Sandal., M.	Rammelsberg, N.E. flank (Goslar)	Palaeont. D. & Von M. xiii. 206.
<i>Ibergensis</i> , " Iberg Sand., M.	.....	Grund (Harz)	" v. 35, xiii. 230.
<i>inflata</i> , Münt.	Clymen. Limest., U.	Pressek, Schübelhammer	Beiträge &c. iii. 53.
<i>Jugleri</i> , Ad. Röm.	Sandst. ...U.	Zellerfeld (Hanover)	Versteiner. Harz, p. 21.
<i>Pecten granulosa</i> , Phill.?			
<i>Kahlebergensis</i> , Ad. Röm.	Spirif. Sand., L.	Kahleberg (Harz)	Palaeont. D. & Von M. xiii. 220.
<i>Kinzua</i> , H. D. Rogers.	.....	Pennsylvania	Geol. Pennsylvania.
<i>laevis</i> , D'Orb., Ad. Röm.	Black Goniat. Limest., L., M., U., Marcellus Shale, M.	Casa della Vega, Chillon (Spain); Kemmenau (Nassau), New York; Kellerwasserthal (Harz).	Palaeont. D. & Von M. iii. 29, xiii. 230; Bull. Soc. Géol. Fr. n. s. xii. 1002; XIV. Rep. Regents N. Y. p. 26.
<i>Americana</i> , D'Orb.	M.	35 miles west of Fort Resolution, Great Slave Lake, N.N.W. Amer.	Trans. Acad. Sc. Chicago, i. 67.
<i>laevis</i> , Hall.	Ham. ?.....M.	Anor (Rhine borders), Kemmenau, Weipperthal (Harz).	Bull. Soc. Géol. Fr. n. s. xii. 1185.
<i>lamellosa</i> , Godf. & Vern.	Coblentzian bed, L.		
<i>Lejeaniana</i> , Rouault.	M.	Gahard	" " viii. 391.
<i>Leplayi</i> , Vern.	L.	Chillon by Almaden (Spain)	xii. 1004.
<i>leptota</i> , Richter.	Cyprid. Sch., U.	Thüringerwald	Leonh. & Br. Neues Jahrb. 1856, p. 626.
<i>lineata</i> , Goldf.	L., M.	Ems, Kemmenau, Chimay, Couvin ...	D'Orb. Prodrôme, i. 84.
<i>longispina</i> , Hall.	Chemung, U.	Painted Post (New York).....	Hall, Palaeont. N. Y. 1843, fig. 4.
<i>mucronata</i> , " Marcell. Shale, M.	.....	New York	XIV. Rep. Regents N. Y. p. 26.
<i>multilineata</i> , Courad.	Chemung...U.	"	Vanux. Geol. N. Y. 3rd dist. p. 185.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
<i>muricata</i> , <i>Neptuni</i> ,	Hall. Ham. M. Goldf. Cuboides Schist, L. M., U., Calceol. Sch.	Avon (river Genessee, New York) ... Guadalperal, Puerto del Ciervo, Eiffel, Virelles (Belg.), England.	Palæont. N. Y.; D'Orb. Prodr. i. 86. Siluria, 4th ed. p. 399; D'Omal. d'Hally, Précis Géol.; Pal. Fr. 1866, p. 456; Kayser. Zeitschrift &c. 1871, p. 374.
<i>Normannia</i> , <i>nuda</i> , <i>obrotundata</i> ,	D'Orb. M. Münst. Clymen. Limest., U. Sndbrgr. Cyprid. Sch., U.	Nehou (La Manche) Shübelhammer Phillipstein, Selters, Lohnberger-Weg, Burg, Webersberg?, Karlsberg, Feldbacher, Eibach, Waldschen, Oberscheld, Uckersdorf, Saltitz, Magwitz, Nehden, Lauteuthal.	D'Orb. Prodr. i. 87. Beiträge &c. Heft v. 117. Versteiner. Nassau, p. 285.
<i>obsoleta</i> ,	Goldf. U.	Saltitz, Magwitz (Saxony), Shübel- hammer, Abenthaur.	D'Orb. Prodr. i. 85.
<i>opercularis</i> , <i>orbiculata</i> , <i>paillette</i> ,	Ad. Röm. Wissenb. Sch., M. Hall. Ham. M. Vern. Sandst. & Grauwacke, L.	Ziegenberger Teiche 18-miles Creek (New York) Chillon (Almaden), Guadalperal (Spain).	Palæont. D. & Von M. iii. 79. Hall, Palæont. N. Y. Bull. Soc. Géol. Fr. n. s. xii. 1003.
<i>paralis</i> , <i>pectiniformis</i> , <i>pectinoides</i> ,	Conrad. Ham. M. " Chemung, U. Sow. U. Conrad. Chemung, U.	Lewis Quarry, Chenango, &c. (N. Y.) Western New York Petherwin, Barnstable... } the same { New York... } spec. { Western New York Kemmenau, Ems (Nassau) Schübelhammer " Schalke (Harz) " Cazenovia (N. Y.) Presseck (Bavaria) New York Ham. M. Münst. Clym. Limest., U. Hall. Orisk. Sandst., L. D'Orb. M.	Vanux. Geol. N. Y. pp. 158, 162. " Trans. G. S. L. n. s. vi. 398. Vanux. Geol. N. Y. p. 185. " D'Orb. Prodr. i. 84. Münst. Beiträge &c. v. 118. Vanux. Geol. N. Y. p. 162. Palæont. D. & Von M. v. 11. Conrad, Rep. N. Y. 1838, p. 117. Beiträge &c. iii. 53. Vanux. Geol. N. Y. p. 185. " Beiträge &c. v. 118. Palæont. N. Y. iii. 466. Prodr. i. 84.
<i>perobliqua</i> , <i>plana</i> , <i>planicostata</i> , <i>pleuroptera</i> , <i>Poseidonis</i> , <i>princeps</i> , <i>problematica</i> , <i>protexta</i> , <i>quadrula</i> , <i>quinquecostata</i> , <i>recticosta</i> , <i>Rhexia</i> , <i>radiata</i> , <i>reticulata</i> ,	Conrad. Tully Limest., M. D'Arch. L. Hising. Limest. L. Eichw. " in Sandst. Phill. U. Münst. Clymen. Limest., U. Goldf. M. Münst. L. Ad. Röm. Grey Iberg Limest., U. Wissenb. Sch., M. Schloth. M. H. A. Green. M., U.	Tully, Four Corners (N. Y.) Mondrepuis (France) Voroneje, Ipel (Livonia) Pskow by Izbornsk (South Livonia) ... Brushford, Pilton Schübelhammer, Presseck Eifel Chillon (Almaden), Guadalperal Presseck Geiser, by Presseck (Francon.) Bergfeld, by Rübeland (Harz) Hutthal (Harz) Upper Velicaja valley (Livonia) Mount Morris (N. Y.), river Potomac (Virginia) &c. Painted Post (N. Y.) St. Paul (Cotentin), Woodabay, Newton Herrera del Duque, Harz Gueret (Sarthe), Chimay, Vilmar, Eiffel. New York Harz New York Torquay, Osgwell, Petherwin, Pilton, &c., Thuringia, Nowa Slupia (Poland). Ieletz (Government Orel), Grisi (Ma- tyra), Russia. New York Geiser (Bavaria) Cumberland Co. (Maryland) Bergfeld (Harz) Ems, Kemmenau (Nassau) New York " Madison Co. (N. Y.) Falkenberg, Bergfeld Ems, Kemmenau, Iserlohn, Petherwin. Grund, Upper Velicaja Valley, La Drina, Orel, Pitsensk, Prussino (river Volkhoff).	Vanux. Geol. N. Y. p. 164. Bull. Soc. Géol. Fr. n. s. xii. 1185. Lethæa Rossica, p. 945. " Phill. Palæoz. Foss. Devon, pl. xxii. Beiträge &c. iii. 53. Trans. G. S. L. ser. 2, vi. 398. Bull. Soc. Géol. Fr. n. s. xii. 1005. Beiträge &c. iii. 53. " Palæont. D. & Von M. ix. 5, xiii. 230. " iii. 13. Grewingk, Geol. Livonia, p. 33. Amer. Journ. Science, n. s. xii. 121. Vanux. Geol. N. Y. p. 185. Mém. Soc. Hist. Nat. Cherb. x. 176. Bull. Soc. Géol. Fr. n. s. xii. 1004. Prodr. i. 85. Vanux. Geol. N. Y. p. 162. Palæont. D. & Von M. iii. 106. Vanux. Palæont. N. Y. p. 162. Quart. Journ. G. S. L. xix. 482; De Koninek, Notice Foss. Poland, 1868. Helmersen, Beiträge &c. p. 108; Pacht. Untersuch. 1858. D'Orb. Prodr. i. 86. Münst. Beiträge &c. v. 118. Palæont. N. Y. iii. 464. Palæont. D. & Von M. ix. 5, xiii. 250. D'Orb. Prodr. i. 84. XIV. Rep. Regents N. Y. p. 36; Vanux. Geol. N. Y. p. 162.
<i>spinigera</i> , <i>spinosa</i> , <i>suberinita</i> , <i>subelegans</i> , <i>subfalcata</i> , <i>sublamellosa</i> , <i>subquadrans</i> , <i>subradiata</i> ,	Conrad. Chem. U. Phill. Green Sandst. Vern. Limestone, U. D'Orb. L., M. Conrad. Ham. M. Ad. Röm. Wissenb. Sch., M. Conrad. Ham. M. Sow. Slate Sandst., Lime- stone, M., U. D'Orb. M.	Chem. U. Clymenia, U. Orisk. Sandst., L. Limestone, U. L. L. L. L. L. L.	Vanux. Geol. N. Y. p. 185. Mém. Soc. Hist. Nat. Cherb. x. 176. Bull. Soc. Géol. Fr. n. s. xii. 1004. Prodr. i. 85. Vanux. Geol. N. Y. p. 162. Palæont. D. & Von M. iii. 106. Vanux. Palæont. N. Y. p. 162. Quart. Journ. G. S. L. xix. 482; De Koninek, Notice Foss. Poland, 1868. Helmersen, Beiträge &c. p. 108; Pacht. Untersuch. 1858. D'Orb. Prodr. i. 86. Münst. Beiträge &c. v. 118. Palæont. N. Y. iii. 464. Palæont. D. & Von M. ix. 5, xiii. 250. D'Orb. Prodr. i. 84. XIV. Rep. Regents N. Y. p. 36; Vanux. Geol. N. Y. p. 162.
<i>subjectiniformis</i> , <i>tenuistriata</i> , <i>textilis</i> , var. <i>arenosa</i> , <i>trapeziformis</i> , <i>trigona</i> , <i>trilobata</i> ,	Conrad. Chem. U. Braun. Clymenia, U. Hall. Orisk. Sandst., L. Ad. Röm. Limestone, U. Goldf. L. Conrad. Chem. U.	Chem. U. Clymenia, U. Orisk. Sandst., L. Limestone, U. L. L.	Vanux. Geol. N. Y. p. 185. Mém. Soc. Hist. Nat. Cherb. x. 176. Bull. Soc. Géol. Fr. n. s. xii. 1004. Prodr. i. 85. Vanux. Geol. N. Y. p. 162. Palæont. D. & Von M. iii. 106. Vanux. Palæont. N. Y. p. 162. Quart. Journ. G. S. L. xix. 482; De Koninek, Notice Foss. Poland, 1868. Helmersen, Beiträge &c. p. 108; Pacht. Untersuch. 1858. D'Orb. Prodr. i. 86. Münst. Beiträge &c. v. 118. Palæont. N. Y. iii. 464. Palæont. D. & Von M. ix. 5, xiii. 250. D'Orb. Prodr. i. 84. XIV. Rep. Regents N. Y. p. 36; Vanux. Geol. N. Y. p. 162.
<i>truncata</i> , <i>tuberculata</i> , <i>tumida</i> ,	Von Buch. Chem. ? ... U. ? Iberg Limest., U.	Madison Co. (N. Y.) Falkenberg, Bergfeld Ems, Kemmenau, Iserlohn, Petherwin. Grund, Upper Velicaja Valley, La Drina, Orel, Pitsensk, Prussino (river Volkhoff).	Conrad, Rep. 1838, p. 117. Trans. G. S. L. n. s. vi. 399; Palæont. D. & Von M. ix. 5, xiii. 230. Phill. Palæoz. Foss. Devon, pl. xxii. Lethæa Rossica, p. 953; Grewingk, Geol. Livon. p. 34.
<i>Vesta</i> , <i>Worthii</i> ,	D'Orb. L., M. Vern. Marly Limest., M.	Ems, Kemmenau, Iserlohn, Petherwin. Grund, Upper Velicaja Valley, La Drina, Orel, Pitsensk, Prussino (river Volkhoff).	Phill. Palæoz. Foss. Devon, pl. xxii. Lethæa Rossica, p. 953; Grewingk, Geol. Livon. p. 34.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
Wurmii,	Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & Von M. xiii, 230; Verst. Harz, p. 21.
spec. indet.,	Bonissent.	L.	(Maury) Department La Manche	D'Archiac, Palæont. France, p. 45.
"	(2), H. D. Rogers.	Portage & Chem., U.	Pennsylvania	H. D. Rogers, Geol. Pennsylv. pp. 827, 829.
"	Dawson.	Oriskany Sand. (Iron-ore), L.	Nictau (Nova Scotia)	Acadian Geol. ed. 2, p. 499.
"	Grewingk.	?	Lower Duna valley (Livonia)	Grewingk, Geol. Livon. p. 39.
"	Kayser.	Stringoceph., M.	Eifel.	Zeitschrift &c. 1871, p. 368.
"	Von Buch.	?	Louga, Adsel (Russia)	Trans. G. S. L. ser. 2, vi. 399.
Aviculopecten,	<i>M. Coy</i> , 1853.	Pecten, <i>Gualtier</i> , 1842; <i>Sowerby</i> ; <i>Phillips</i> .		
aquilatera,'	Hall.	Marcell. Sh., M.	New York	XIV. Rep. Regents N. Y. p. 26.
alternatus,	Phill.	Limestone, M.	Petherwin, Lanlake (Cornwall)	Palæont. Foss. Devon &c. p. 47.
Altonis,	Goldf.	?	Glatz (Silesia)	Petrefact. German. pl. 160.
arachnoidea,	Phill.	U.	Petherwin	Phill. Palæoz. Foss. Devon, p. 21.
convexa,'	Hall.	Chem. ....U.	Painted Post (New York)	D'Orb. Prodrome, i. 86.
granosus,	Sow.	U.	Petherwin	Quart. Journ. G. S. L. xxiii. 624.
granulosus,	Phill.	(CL. Yorks. & Irel.), U.	" Lanlake (Cornwall)	Phill. Pal. Foss. Devon, p. 46.
Hallianus,'	D'Orb.	U.	Phillipsburg (New York)	D'Orb. Prodrome, i. 87.
cancellatus, Hall.				
Hasbachii,	Vern.	Limestone, M.	Refrath (Rhen. Pruss.)	Trans. G. S. L. ser. 2, vi. 372.
Ingrise,	Keyserl. & Vern.	Dolomite, M.	Duna and Velicaja valleys, Prussino.	Grewingk, Geol. Livon. pp. 31-44.
longispina,'	Hall.	.....	Timan range, river Wol (Petschora-land), 18-mile Creek.	Kerserling, Reise Petschoraland.
intercostalis,'	Winch.	Ham. ....M.	Little Traverse Bay (Lake Michigan)	Rep. Michig. 1866, Append. p. 95.
multiradiata,	Ether.	?	Gympsie (Queensland)	Quart. Journ. G. S. L. 1872, p. 327.
nexilis,	Sow.	U.	Pilton, Branton, Barnstaple	Trans. G. S. L. n. s. v. 53.
oceanis,	Goldf.	M.	Goslar (Harz), Eifel	Petrefact. Germ. pl. 88, fig. 10.
orbiculata,'	Hall.	Ham. ....M.	17-mile Creek, New York	Palæont. N. Y.; D'Orb. Prodrome, p. 86.
pectinoides,	Sow.	Olive Slate, U.	Petherwin, Barnstaple	Trans. G. S. L. ser. 2, v. 53.
pectiniformis,'	Hall.	Chem. ....U.	New York	Description new Fossils, 1857, p. 91.
plicatus,	Sow.	Psanmite, M., U.	Torquay, Newton Bush., Plymouth, Coudres (Belg.), Coomhola (Irel.)	Trans. G. S. L. ser. 2, vi. 398; Explic. Carte France, p. 732.
polytrichus,	Phill.	Sandy L'st., L., M., U.	Meadsfoot, Torquay, Mudstone Bay, Pilton, Goodleigh, &c., Rübeland (Harz).	Palæoz. Foss. Devon &c. p. 46; Palæont. D. & Von M. ix. 5.
var. β,	"	M.	Mudstone Bay, Devonsh.	Trans. G. S. L. ser. 2, vi. 398.
rugosus,	"	M.	Torquay, Babbacombe	Palæoz. Foss. Devon &c. p. 47.
Sanduskyensis,	Meek.	Cornif. Limest., L.	Sandusky and Delaware (Ohio)	Proc. Acad. Nat. Sc. Philad. 1871, p. 161.
signatus,'	Hall.	Chem. ....U.	New York	Contrib. Pal. N. Y. 1857, p. 91.
striata,'	"	U.	Painted Post (N. Y.), Pal (N. Y.)	D'Orb. Prodrome, i. 86.
striolatus,	Goldf.	M.	Eifel.	Trans. G. S. L. ser. 2, vi. 398.
transversus,	Sow.	Slate & Limest., U.	" Iserlohn (Westphal.), Pilland.	" " "
(Bolland, Carb.)			Croyde (N. Devonsh.)	" " "
spec. indet.,	T. M. Hall.	U.	Sloly quarries (Cucullæa-beds), N. Devonsh.	Quart. Journ. G. S. L. xxiii. 378.
"	Worthen.	Hau. ....M.	Union Co. (Illinois)	Geol. Rep. Illinois, i. 129.
Gervillia, <i>De France</i> , 1820.				
inconspicua,	Ad. Röm.	Iberg Limest., U.	Grund (Harz)	Verstein. Harz, 1843, p. 21.
strigosa,'	C. A. White.	Yellow Sands, U.	Burlington (Iowa)	Proc. Boston Nat. Hist. Soc. ix. 31.
Lima, <i>Bruguère</i> , 1797.				
glabra,'	Hall.	U.	Phillipsburg (N. Y.)	D'Orb. Prodrome, i. 87.
obsoleta,'	"	U.	" " "	" " "
subobsoleta, D'Orb.				
rugestriata,'	Hall.	U.	Rockville, Alleghany Co. (N. Y.)	" " "
Limoptera, <i>Hall</i> , 1869.				
cancellata,'	Hall.	UHL. ....L.	Louisville (Kentucky)	Prelim. Notices, 1871, p. 16.
curvata,'	"	Ham. (Sandst.), M.	Schohar., Madison, & Otsego Co (N. Y.)	" " 18.
macroptera,'	Conrad.	" " M.	" " "	" " 17.
obsoleta,'	"	" " M.	Onondago, Madison, & Cayuga Co (N. Y.)	" " 18.
pauperata,'	"	UHL. ....L.	Stafford, Genesec Co. (N. Y.)	" " 16.
Lucina, <i>Bruguère</i> , 1791.				
occidentalis,	Billings.	Ham. ....M.	Snake Island, Lake Winnifrege-Sis, Rupert's Land.	Hinde's Travels in Manitoba, p. 187.
Ohioensis,	Meek.	Cornif. Limest., L.	Dublin, Franklin Co. (Ohio)	Proc. Acad. Nat. Sc. Philad. 1871, p. 62.
proavia,'	Goldf.	Calceol. Sch., M.	Couvin (Belg.), Iowa, Louisville (Kentucky).	D'Orb. d'Hallo, Précis Géol. p. 576; Owen, Rep. Minnesot. &c. p. 78.
rugosa,'	Goldf.	Ham. ....M.	Indiana, New York, Eifel (Verneuil)	Bull. Soc. Géol. Fr. n. s. iv. 695.
? semistriata,	Ad. Röm.	.....	Langenberg (Lerbach)	Palæont. D. & Von M. iii. 15, 79.
sinuosa,	"	.....	No locality given	" " 32.
Megambonia, <i>Hall</i> , 1859.				
bellistriata,'	Hall.	Orisk. Sand., L.	Albany and Schoharie Counties (N. Y.)	Hall, Palæont. N. Y. iii. 467.
cardiiformis,'	"	Cornif. Limest., L.	Ohio-river Falls?	Yandall & Shum. Contrib. p. 12.
lamellosa,'	"	" L.	Oriskany Falls, Oneida Co. (N. Y.), Ohio-river Falls.	Hall, Palæont. N. Y. iii. 467.
Microdon, <i>Conrad</i> .	Also a	Ganoid fish (Agassiz).		
bellistriatum,'	Conrad.	Portage, Chem., U.	Genesec Co. (N. Y.), Pennsylvania	H. D. Rogers, Geol. Pennsylv. p. 827.
reservatum,'	Hall.	U.	Ohio.	Proc. Acad. Nat. Sc. Philad. 1865, p. 124.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Ostrea , <i>Linnaeus</i> , 1758.			
<i>patercula</i> , Winch.	U.....	Iowa.	
Posidonomya , <i>Bronn</i> , 1837.	Posidononia , <i>Bronn</i> , 1837.	1828. An <i>Avicula</i> without wings or ears (<i>D'Orb.</i>).	
<i>acuta</i> , Münst.	Marble-breccia, U....	Schübelhammer	Beiträge &c. iii. 48.
<i>arquata</i> , " "	Bright Limest., U....	Geiser (Presseck), Baireuth, Gattendorf	" " 49.
<i>Cardiola</i> .			
<i>aspera</i> , Kutorga.	Marl.....L.....	Poretschii (river Louga, Government of St. Petersburg).	Bull. Soc. Géol. Fr. n. s. x. 189.
<i>costata</i> , Münst.	Reddish Limest., L.	Gattendorf	Beiträge &c. v. 45.
<i>elegans</i> , " "	Bright Clym. L'st., U.	" Presseck	" " iii. 50.
<i>elongata</i> , Ad. Röm.	Wissenb. Sch., M.	Zeigenberger Teiche (Harz)	Palæont. D. & Von M. iii. 13.
<i>elliptica</i> , D'Orb.	Cornif. Limest., L....	Le Roy Township, N. Y.	Hall; D'Orb. Prodrome, i. 83.
<i>grandis</i> , Münst.	Clymem. L'st. brecc., U....	Gattendorf (Bavaria).....	Beiträge &c. iii. 50.
<i>inversa</i> , " "	" " " " U.	Gratz, Geiser (Hof), Gattendorf (Thuringia), Plauen &c. (Saxony).	" " 47.
<i>intercostalis</i> , Ad. Röm.	Cyprid. Sch., U.....	Saal-river cliffs (Saalfeld)	Siluria, ed. 4, p. 386.
<i>lata</i> , Münst.	Clymenia Limest., U.	Geiser (Hof)	Geinitz, Verst. Sax. p. 51; Beiträge &c. v. 117.
<i>manipularis</i> , Richt. & Unger.	Cyprid. Sch., U.....	Thuringia	Leonh. & Br. Neues Jahrb. 1856, p. 627.
<i>membranacea</i> , Pacht.	.....	Lower Duna valley (Livonia)	Grewingk, Geol. Livon. p. 40.
<i>minuta</i> , Ad. Röm.	U.....	Saalfeld	Siluria, ed. 4, p. 386.
<i>myacea</i> , Goldf.	U.....	Eibach (Nassau)	Trans. G. S. L. ser. 2, vi. 398.
<i>venusta</i> .			
<i>nobilis</i> , Münst.	Clymen. Limest., U.	Gattendorf, Presseck (Bavaria)	Beiträge &c. iii. 50.
<i>obovata</i> , " "	Grey L'st. (loose), U.	Geiser (Presseck), Thuringia	" " 49.
<i>Pargai</i> , De Vern.	.....	Collada de Llama (Spain)	Bull. Soc. Géol. Fr. n. s. vii. 170.
<i>regularis</i> , Goldf.	Marble Breccia, U....	Gattendorf, Presseck, Planitz	Beiträge &c. iii. 48.
<i>scalaris</i> , Münst.	Grey Clym. L'st., U....	"	" 51.
<i>semiorbicularis</i> , " "	Grey Limestone, U....	Presseck (Bavaria).....	" 48.
<i>semistriata</i> , " "	" " " " U....	"	" 49.
<i>? striato-sulcata</i> , " "	Cyprid. Sch., U.....	Unter Lautenthal (Harz)	Palæont. D. & Von M. iii. 42, xiii. 229.
<i>striatissima</i> , Geinitz.	U.....	Magwitz (Saxony)	Verstein. Grauwacke (Saxony), p. 87.
<i>trigona</i> , Münst.	Bright Clym. L'st., U.	Ebenbusch, Presseck	Beiträge &c. iii. 48.
<i>tuberculata</i> , Sow.	Cyprid. Sch., U.....	Budle near Bambro	" ?
<i>? venusta</i> , Münst.	Clym. & Cypr. Sch., U.	Schübelhammer, Presseck.....	Beiträge &c. iii. 51.
<i>retusta</i> , Sow.	U.....	Elbersreuth, Ratigen, Visé, Yorkshire, Derbyshire.	Trans. G. S. L. ser. 2, vi. 399; Mineral Conchol. p. 584?
<i>var. prisca</i> , Portlock.	U.....	Gattendorf	Verstein. Grauwacke (Saxony), p. 52.
<i>spec. indet.</i> , Tietze.	Clymen. & Goniad., U.	Ebersdorf (Silesia)	Palæont. D. & Z. xix. 144.
Pterinea , <i>Goldfuss</i> , 1834-40.			
<i>aculeata</i> , Kranz.	Spirif. Sandst., L.	Menzenberg (Rhenish Prussia)	Verhand. Verst. xiv. Jahrg. iv. 150 &c.
<i>alternans</i> , Ad. Röm.	Calceol. Sch., M.	Auerhahn (Clausthal, Harz)	Palæont. D. & Von M. iii. 11.
<i>anisota</i> , Phill.	L.....	Meadsfoot (S. Devonshire)	Pal. Foss. Devon. p. 49.
<i>appressa</i> , Conrad.	Chem. ....U.....	Norwich (New York)	Conrad, Rep. Reg. N. York, 1838, p. 116.
<i>bicarinata</i> , Goldf.	Younger Grauwacke Sandst., U.	Lindlar in Bergischen	Lethæa Geogn. p. 407.
<i>? bifida</i> , Sndbrgr.	Spirif. S'st., <i>Avicula</i> Sch., L., M.	Menzenberg, Singhofen (Eifel).....	Verstein. Nassau &c. p. 286.
<i>Billsteinensis</i> , Ad. Röm.	Spirif. Sandst., L.	" Billstein (Westphalia)...	Kranz, Verh. Ver. xiv. &c.; Ad. Röm. Rhein-Uebergangsgebirge, p. 77.
<i>Boenigki</i> , Dames.	Limestone, M.	Oberkuzendorf, Freiburg	Zeitschr. d. geol. Ges. Berl. xx. 501.
<i>cancellata</i> , Phill.	U.....	Baggy, Pilton, Croyde, Braunton, &c. (Luxemburg), Kemmenau, Coblenz, Houffallize, Nastätten, Menzenberg, &c.	Pal. Foss. Devon &c. p. 49.
<i>concentrica</i> , Ad. Röm.	Spirif. Sandst. & Iberg Limest., L., U.	Kahleberg (nodule), Grond	Palæont. D. & Von M. iii. 3, 32.
<i>costata</i> , Goldf.	L.....	St. Hubert, Vireux, Sugny, Pontdrome, &c. (Belg.), Cowant and Amberloup (Luxemburg), Kemmenau, Coblenz, Houffallize, Nastätten, Menzenberg, &c.	Gosselet, MS. 1870 (mccun); Bull. S. G. Fr. n. s. xxi. 306 (Gosselet); Sndbrgr. Verstein. Nassau, p. 272.
<i>Avicula</i> , Naumann, Lehrbuch, p. 383.			
<i>costulata</i> , Ad. Röm.	L.....	Kahleberg	Palæont. D. & Von M. iii. 3.
<i>Damnoniensis</i> , Sow.	Chem. ....U.....	New York, Portage Gr ^p , Pennsylvania, Pilton, Marwood, Croyde, &c. (Devonshire), West Angle (Pembroke), Val Mayor, Sierra Morena (Spain).	Phill. Pal. Foss. Devon. p. 51; Quart. Journ. G. S. L. xix. 478, xxiii. 624; Bull. Soc. Géol. Fr. n. s. iv. 695, xii. 1005.
<i>varieties α, β, γ</i> , Phill.	U.....	Marwood (N. Devonshire)	Pal. Foss. Devon, p. 51.
<i>declivis</i> , " "	De Vern. ....U.....	"	Quart. Journ. G. S. L. xvii., xix. ?
<i>decurcata</i> , Ad. Röm.	Spirif. Sandst., L.	Kahleberg (Harz)	Palæont. D. & Von M. v. 11, xiii. 220.
	Hall.	Ham. (Bryozoa bed), M.	Geol. Rep. Mich. Append. 1866.
<i>dichotoma</i> , Kranz.	Spirif. Sandst., L.	Menzenberg (Rhenish Prussia)	Verhand. Verst. xiv. Jahrg. Folg. iv. 157.
<i>elegans</i> , Goldf.	L., M.	Kanlydja, Nchou, Courtoisières, Couvin	Comptes Rendus, lxiv. 1218; Bull. S. G. Fr. n. s. vii. 779.
<i>elongata</i> , " "	Spirif. Sandst., L.	Kemmenau, Ems, Menzenberg.....	Sandberger, Verstein. Nassau, p. 291; Verhand. Verst. xiv. <i>ut supra</i> .
<i>exarata</i> , Phill.	U.....	South Petherwin (Cornwall)	Pal. Foss. Devon. p. 51.
<i>gigantea</i> , Krantz.	Spirif. Sandst., L.	Menzenberg, Rhenish Prussia	Verhand. Verst. xiv. <i>ut supra</i> .

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
<i>lævis</i> , ¹	Goldf. Spirif. Sandst., Ham. Gr ^p , L., M.	La Mauche (France), Niederlahnstein, Winnegen, Menzenberg, North America.	Verstein. Nass. p. 289; Trans. G. S. L. ser. 2, vi. 399; Krantz, Verh. Ver. xiv. <i>ut supra</i> ; D'Arch. Pal. de Fr. p. 45 (Bonissent).
<i>lamellosa</i> , (Naumann, p. 383.)	" Spirif. Sandst., L. ...	Siegen, Kemmenau, Menzenberg, Chagey, Pont Drome (France).	Trans. G. S. L. ser. 2, vi. 399; Verh. Ver. xiv. &c. p. 157.
<i>lineata</i> ,	" " " also black Schist, L.	Ems, Kemmenau, Niederlahnstein, Chimay, Dinaut, Cobleuz, Hierges, Menzenberg.	Bull. S. G. Fr. n. s. xxiv. 125; Verst. Nassau, p. 291.
<i>longe-alata</i> ,	Krantz. Black Schist, L.	Menzenberg	Krantz, Verhand. Ver. xiv. &c. p. 157.
<i>Osiasia</i> ,	Rouault. ....M.	Gahard (France) (one bad specimen).	Bull. Soc. Géol. Fr. n. s. viii. 392.
<i>ovata</i> ,	Ad. Röm. Spirif. Sandst., L. ...	Kahleberg (nodules)	Verstein. Harz, p. 22.
<i>plana</i> ,	Goldf. " " L. ...	Kemmenau, Ems, Niederlahnstein ...	Sndbrgr. Verstein. Nassau, p. 290.
<i>punctulata</i> ,	Conrad.	Unkel (Bonn), Coblenz, Menzenberg..	Krantz, Verhand. Ver. xiv. &c. p. 159?
<i>radians</i> , ¹	Vanux. ? Ham. ....M.	New York	Vanux. Geol. New York, p. 163.
<i>radiata</i> ,	Goldf.	Auerbach, Newton Bushell, Plymouth, Torquay.	Petref. German. tab. 119; Trs. G. S. L. ser. 2, v. 738, vi. 399.
<i>reticulata</i> ,	Phill. ....L., M., U.	Mondrepuis, Iserlohn, Bouillou, Hagen, Elberfeld, Newton Bushell, Burton.	Hébert, Bull. S. G. Fr. n. s. xii. 1185; Pal. Foss. Devon, p. 51.
<i>rudis</i> ,	"U.	Pilton, Brushford, Top Orchard	" " " "
<i>Seckendorffii</i> ,	Royon. Fine Gr. wacke, Calc. Sch., M.	Seckendorf, Tanna, Hulmerkopf	Verstein. Harz, 1843, p. 22.
<i>speciosa</i> , ¹	Hall. Portage Gr ^p , U.	(N. York) Mt. Morris, Livingstone Co.	Amer. Journ. Science, n. s. xli. 121.
<i>spinosa</i> ,	Phill. ....L., M.	Linton, Woodabay, Looe, Newton Bush.	Pal. Foss. Devon, p. 48.
<i>strigosa</i> , ¹	W. & W. ....M., U.	Petherwin, Les Courtoisieres, Viré, Nehou.	Proc. Bost. Soc. Nat. Hist. ix. 31.
<i>subfasciculatum</i> ,	De Vern. ....L.	Kanlydja, Nehou	Tchihat. Asia Minor, Append. p. 32.
<i>sublamellosa</i> ,	Ad. Röm. ....M.	Ziegenberg Teiche, Wissenbach (Harz)	Palæont. D. & Von M. iii. 13.
<i>suborbicularis</i> ,	Hall. Chem. ....U.	Hobbierville, Alleghany Co. (N. York)	Nat. Hist. New York, no. 54.
<i>subradiata</i> ,	Sow. ....M., U.	Ogwell, Torquay, Petherwin (slate)...	Quart. Journ. G. S. L. xxiii. 625, xxiv. 419.
<i>texturata</i> ,	Phill. ....L., M., U.	Linton, Plymouth, Barton, Torquay, &c.	Pal. Foss. Devon &c. p. 49.
<i>torulosa</i> ,	Von Buch. Chem. Limest., U.	Silesia	Münst. Beiträge &c. iii. 54.
<i>trigona</i> ,	Goldf. Grauwacke and black Schist, L.	Kemmenau, Hierges, Bouillon (Belg.), Pont Drome.	Trans. G. S. L. ser. 2, vi. 399.
<i>truncata</i> ,	Ad. Röm. Spirif. Sandst., L. ...	Menzenberg, Houffallize	Krantz, Verh. Ver. &c. xiv.; F. Röm. Uebergangsgebirge Rhein, p. 78.
<i>ventricosa</i> ,	Goldf. Spirif. Sandst., brown Grauwacke, black Sch., L., M., U.	" Kemmenau, Niederlahnstein, Haiger-Seelbach, Brandobersdorf, Coblenz, Unkel, Bouillon, Pont Drome, Hierges, Iserlohn, Petherwin, Landake.	Sndbrgr. Verst. Nass. p. 289; Krantz, Verhand. Verst. xiv. <i>ut supra</i> ; Pal. Foss. Dev. &c. p. 49; Quart. Journ. G. S. L. xix. 483.

SUBKINGDOM MOLLUSCA. PROVINCE LAMELLIBRANCHIATA. CLASS CONCHIFERA.

GROUP DIMYARIA (ORTHOCONQUES, D'Orbigny).

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
<i>Acmaea</i> , Eschscholtz, 1833.	Helcyon , Montfort.	1810.	
<i>depressa</i> , Richt. & Unger.	M., U.	Torquay, Thüringerwald	Quart. Journ. G. S. L. xxiii. 419; Leonh. & Bronn, Jahrb. 1856, p. 626.
<i>elliptica</i> ,	D'Orb. ....U.	Elbersreuth.....	Geinitz, Verst. Grauwacke (Saxony). p. 45.
<i>Actinodesma</i> , Sandberger,	1850-56.		
<i>malleiforme</i> ,	Sndbrgr. Spirif. Sandst., L. ...	Kemmenau, Laubach.....	Verstein. Nassau, p. 283.
<i>Allorisma</i> , King, 1844. See	Sedgwickia .	<i>Orthoconcha</i> (pars), Salter. <i>Myacites</i> , Bronn.	n. <i>Sanguinolites</i> (pars), M'Coy.
<i>Anadonta</i> , Cuvier, 1798.			
<i>Jukesii</i> ,	Forbes. ....U.	Kilkenny.....	Brit. Assoc. Rep. 1852, p. 43.
<i>Anadontopsis</i> , M'Coy, 1852.	Microdon ?,	Conrad.	
<i>rudis</i> ,	Sharpe. Sandstone, L.	Leo Hook (Cape of Good Hope)	Trans. G. S. L. n. s. vii. 203.
<i>ventricosa</i> , ¹	Bill. Gaspé L'st. No. 8, L.	Indian Cove, Gaspé (Canada East) ...	Geol. Surv. Pal. Foss. ii. 55.
<i>Arca</i> , Linnaeus, 1758.			
<i>Bodana</i> ,	Ad. Röm. Iberg Limest., U. ...	Bergfeld (Harz)	Palæont. D. & Von M. ix. 6.
<i>cariuata</i> ,	Goldf. ?	Eifel	Trans. G. S. L. n. s. vi. 400.
<i>Clymenia</i> ,	Ad. Röm. Iberg, Goniatic L'st.	Schülenberg	Palæont. D. & Von M. ix. 6.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
concentrica, Münst.	Clymen. Limest., U.	Elbersreuth Quarry	Beiträge &c. iii. 54.
inermis, Sndbrgr.	Stringoc. Limest., M.	Vilmar, Paffrath	Verstein. Nassau, p. 274.
Iniaea, De Vern.	Yellow Limest., M.	River Inia, Tomsk (Altai).	Murch., Vern. & Keys. Geol. Russ. ii. 396.
Oreliana, "		Otrrada, Ust-Uchta, Novossil'skaja (Great Orel).	" " 314.
prisca, Goldf.		Glatz (Silesia)	D'Orb. Prodrome, i. 82.
torulosa, Von Buch.	U.	Falkenberg (Silesia)	" "
Astarte , Sowerby, 1817.	Crassina , Lamarck, 1818.	Visé?, river Meuse (Belgium)	Mélang. Pal. pt. 2, p. 114.
decurtata, Ryckholdt.	Limestone, U.	Visé? " " "	" " p. 112.
Devonica, Münst.	Bright Clym. L'st., U.	Presseck " " "	Beiträge &c. iii. 71.
Neptuni, Eichw.	M.	Toula, Krapvina &c. districts, riv. Don	Helmers. Explic. Carte de Russ.
socialis, Ryckh.		Visé? " " "	Mélang. Pal. pt. 2, p. 114.
tremula, Axinus, Sowerby, 1821. See	Schizodus , King.	Bielef (Oka), Boureggh, Jeletz, Zadonsk, Upp. Duna valley (Livonia), Timan range.	Murch., Vern. & Keyserl. Geol. Russ. ii. 310; Lethæa Rossica, p. 1000.
Devonicus, De Vern.	Marly Cyprid. L'st., U.	Upper Duna river (Livonia)	Grewingk, Geol. Livonia, p. 39.
trigonus, Grew.?	M.	" " "	" " "
spec. indet., "	Crystall. Dolom., M.	Anthracosia , King, 1844.	
Cardinia , Agassiz, 1838.	Unio , Sowerby.	Pilton (N. Devonshire)	Phill. Pal. Foss. Devon, pl. xvii.
anglica, D'Orb.	U.	Kahlenberg	Palæont. D. & Von M. v. 7.
Bodana, Ad. Röm.	Spirif. Sandst., L.	Presseck	" " 13.
carinata, D'Orb.	U.	Union, Branch Co. (Michigan)	Prodrome, i. 76.
cincta, Winch.	Portage Gr., U.	Saltitz, Magwitz, Bergfeld	Proc. Acad. Nat. Sci. Phil. 1862, p. 413.
complanata, Geinitz.	Limestone, M., U.	Thuringia	Verstein. Grauwacke Saxony, ii. 87.
Devonica, De Kon.	Cyprid. Sch., U.	Harz	Leonh. & Br. Neues Jahrb. 1856, p. 626.
Goldfussiana, Ad. Röm.	Spirif. Sandst., L.	Virelles, canton of Chimay (Belgium)	Palæont. D. & Von M. v. 13.
inflata, Von Buch.	U.?	Kahleberg	D'Hallo, Précis Géol. ed. 8, p. 577.
retrostriata, De Kon.	Spirif. Sandst., L.	Ziegenberger Teiche, Altenau, Rübeland.	Palæont. D. & Von M. v. 13.
robusta, D'Orb.	Wissenb. Sch., M.	Gattendorf, Schübelhammer, Oberscheld, Uchta river.	" " iii. 13, xiii. 230.
vetusta, Ad. Röm.	Cyprid. Sch., Clymen.	Gattendorf, Hof	Lethæa Rossica, p. 1029; Verstein. Nassau, p. 272.
Cardiola , Broderip, 1839.	Limest., U.	Ebersdorf	Beiträge &c. iii. 69.
angulata, "	U.	Grund, Oberscheld, Adorf, Altenau, Ishma and Uchta rivers.	Palæont. Dunker & Zittel, xix. 146.
articulata, Münst.	Clymen. L'st., Cyprid.	Ziegenberger Teiche	Palæont. D. & Von M. iii. 14.
biplicata, "	Clymen. L'st., U.	Oberscheld (red ironstone), Gattendorf, Schlietz.	Verstein. Nassau, p. 271.
cancellata, Tietze.	" red, U.	Planitz, Elbersreuth	Beiträge &c. iii. 68.
concentrica, Von Buch.	" L., U.	New York &c.	Post. & Wh. Rep. South L. Superior.
digitata, Ad. Röm.	Wissenb. Sch., M.	Ziegenberger Teiche, Vilmar?	Palæont. D. & Von M. iii. 14.
duplicata, Münst.	Cyprid. Sch., Clymen.	Elbersreuth, Baireuth, Ebersdorf	Münst. Beiträge &c. iii. 67.
elegans, "	U.	" Tannenthal, Wieda, Valogne (France), &c.	" " 66.
fibrosa, Sow.	Ham. M.	Ebersdorf (Saxony)	Palæont. Dunker & Zittel, xix. 147.
inaequalicostulata, Ad. Röm.	Wissenb. Sch., M.	Little Laddenkensberg (Harz)	Verstein. Harz, 1843, p. 24.
intermedia, Goldf.	U.	Nehou, Enkeberg, Zwickau, Schübelhammer, Adorf, Brilon, Matagne (Dinant), Oberscheld, &c.	Lethæa Geogn. i. 425; Verstein. Nass. p. 270; D'Hallo, Préc. Géol. p. 577.
interrupta, Sow.	Orthoc. Limest., U.	Schübelhammer	Beiträge &c. iii. 68.
plicata, Tietze.	Clymen. Limest., U.	Elbersreuth (with "interrupta")	" " 67.
quadricostata, Ad. Röm.	Wissenb. Limest., M.	Schübelhammer	Palæont. Dunker & Zittel, xix. 146.
retrostriata, Münst.	Cyprid. Sch., Clymen. & Goni. Limest., M., U.	Elbersreuth	Beiträge &c. iii. 68.
sinuosa, "	Clymen. Limest., U.	Rivers Ischma and Uchta (Petchora-land).	Keyserl. Reise Petsch. p. 253.
spurius, "	Orthoc. Limest., U.	Ebersdorf	Palæont. Dunker & Zittel, xix. 146.
subdecussata, Tietze.	Clymen. Limest., U.	sans dents à la charnière, D'Orb.)	Cardiopsis , Meek and Worthen.
sublaevis, Münst.	" U.	Vilmar (Nassau)	Verstein. Nassau, p. 254.
tegulata, Tietze.	" U.	Schoharie, Yates, Onondago, Ontario Counties.	Prelim. Notices, pt. 2, p. 92.
tenuistriata, "	Goni. Limest., U.	Canandaigua Lake (New York)	" " "
spec. indet., Tietze.	Clymen. Limest., U.	Buchenberg (Harz)	Palæont. D. & Von M. v. 23, xiii. 227.
Cardiomorpha , De Koninck, 1847. (Isocardia)	Stringoc. Limest., M.	Columbia, Moscow (New York)	Proc. Acad. Nat. Sci. Phil. 1862, p. 416.
alata, Sndbrgr.	Stringoc. Limest., M.	Bergfeld (Harz)	Palæont. D. & Von M. ix. 7.
bellatula, Hall.	Ham. Shales, M.	Wissenbach, Cramberg	Verstein. Nassau, p. 255.
Eriopia, "	" M.	Portland Harbour (New York)	Hall, Prelim. Notices, pt. 2, p. 93.
flexuosa, Ad. Röm.	Stringoc. Limest., M.	Thuringia	Leonh. & Br. Neues Jahrb. 1856, p. 626.
modiolaris, Hall.	Chem. U.	<i>Cardita</i> occurs in Devonian rocks, Ferd. Römer?	Beiträge &c. iii. 60.
mytiloides, Ad. Röm.	Iberg Limest., U.	Elbersreuth (Bavaria)	" " "
suborbicularis, Sndbrgr.	Orthoc. Limest., L.?	" " "	" " "
subtextilis, Hall.	Portage Gr., U.	" " "	" " "
tellinaria, Goldf.	Cyprid. Sch., U.	" " "	" " "
Cardium , Linnæus, 1758.	Neither <i>Cardium</i> nor	" " "	" " "
alternans, Münst.	U.	" " "	" " "
angulatum, Goldf.	U.	" " "	" " "

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
anguliferum,	Ad. Röm.	Goni. Limest., U.	Kellwasser Thal, Rübeland, Altenau...	Palæont. D. & Von M. iii. 27.
arquatam,	Münst.	U.	Elbersreuth.....	Beiträge &c. iii. 61.
bicarinatum,	"	U.	"	63.
brevialatum,	Sndbrgr.	Stringoc. ....M.	Vilmar.....	Verstein. Nassau, p. 258.
<i>Vilmarens</i> , D'Arch. & De		Vern.		
concentricum,	Von Buch.	Black and Cyprid.	TannenbergebyErenfeld, Elbersreuth,	Trans. G. S. L. ser. 2, vi. 400; Palæont.
		Limest., U.	St. Sauveur leVicompte, Feugerolles.	D. & Von M. iii. 107.
cornucopia,	Goldf.	U.	Elbersreuth, Werfen (Leth. Geog. i. 423)	Petref. Germ. ii. 216.
costulatum,	Münst.	Orthoc. Limest., U.	Ebersdorf, Gattendorf, Oberkunzen-	Dames, Zeitschr. deutsch. geol. Gesell.
<i>Cardiola interrupta</i> .			dorf, Prag.	Berlin, xx. 502.
decussatum,	Münst.	U.	Elbersreuth, Werfen (Leth. Geog. i. 423)	Beiträge &c. iii. 62.
deltoidum,	"	L., U.	Petherwin, Elbersreuth, Werfen, Schü-	" iii. 63 &c.
<i>subdeltoidum</i> .			belhammer.	
dichotomum,	"	U.	Gieser (Bavaria).....	" v. 120.
<i>subdichotomum</i> .				
disjunctum,	"	U.	Elbersreuth.....	" iii. 63.
Dunkeri,	Ad. Röm.	(Wissenb.), M.	Wissenbach, Buntebock.....	Palæont. D. & Von M. iii. 14.
eulmene,	Münst.	U.	Schübelhammer.....	Beiträge &c. iii. 63.
glabrum,	"	U.	Elbersreuth.....	" 66.
gracile,	Goldf.	U.	"	61.
Hugardi,	Rouault.	M.	Gahard &c. (France).....	Bull. Soc. Géol. Fr. n. s. viii. 387.
inaequali-costatum?	A. Röm.	Wissenb. Sch., M.	Ziegenberger Teiche.....	Palæont. D. & Von M. iii. 107, xiii. 224.
incertum,	Goldf.	U.	The Rhine Borders.....	Trans. G. S. L. ser. 2, vi. 401.
interpunctatum,	Münst.	U.	Elbersreuth.....	Beiträge &c. iii. 65.
laterale,	"	Black Clym. L'st., U.	" Schübelhammer.....	" 63.
latum,	Goldf.	Orthoc. Limest., U.	" Gattendorf.....	" 65; Trans. G. S. L.
				n. s. vi. 401.
lentiforme,	Ad. Röm.	Iberger Limest., U.	Grund (Harz).....	Palæont. D. & Von M. iii. 87.
lineatum,	Goldf.	Clymen. Limest., U.	Elbersreuth.....	Trans. G. S. L. n. s. vi. 401.
loricatum,	"	Ham. ....M.	New York (Verneuil), Eifel, Paffrath.	"
marginatum,	"	L.	Kemmenau (Nassau).....	"
Mehliisii,	Ad. Röm.	Spirif. Sandst., L.	Kahleberg.....	Verstein. Harz, 1843, p. 22.
menippe,	Münst.	U.	Elbersreuth.....	Beiträge &c. iii. 62.
Murchisonii,	"	U.	" Schübelhammer.....	" 64.
mytiloides,	"	U.	"	60.
nudum,	"	U.	"	62.
palmatum,	Goldf.	Orthoc. L'st., Clymen.	Riv. Uchta, Nova Zembla, Oberscheld,	Murch., Vern. & Keyserl. Geol. Russ. ii.
		L'st., Goni. L'st.,	Gattendorf, Schübelhammer, Press-	390; Münst. Beiträge &c. iii. 65;
		L., M., U.	eck, Schleitz, Adorf, Altenau, Zwic-	Siluria, ed. 4, p. 399; Trans. G. S. L.
<i>Cardiola retrostriata</i> , prin-			kau, Nehou, Nefiez, Frasnies, Chi-	n. s. vi. 401; Bull. S. G. Fr. n. s. x.
cipal shell of Clymenia			may, Givet, Feron, Bailièvre, Trelon,	128, xviii. 25; Gosselet, MS. 1870
limestone.			Llama (Spain), Petherwin, &c.	(mecnun).
vars. a & b,	Goldf.	Goni. Limest., U.	Oberscheld.....	D'Arch. Geol. & Pal. de Fr. 1866, p. 451;
				Trans. G. S. L. ser. 2, vi. 401.
paradoxum,	Münst.	U.	Geiser (Bavaria).....	Beiträge &c. v. 118.
pectunculoides,	D'Arch. &	Iberg and Goni.	Oberscheld.....	Palæont. D. & Von M. iii. 26, xiii. 230.
	De Vern.	Limest., U.		
Picteti,	Rouault.	M.	Gahard &c. (Ille et Vilaine).....	Bull. Soc. Géol. Fr. n. s. viii. 388.
planicostatum,	Brauu.	Clymen. Limest., U.	Geiser.....	Münst. Beiträge &c. v. 119.
<i>Braunii</i> , D'Orb.				
plicatum,	Goldf.	U.	Elbersreuth.....	" iii. 61.
problematicum,	Münst.	Clymen. L'st., U.	Geiser, Planitz (Saxony), Thüringer-	Geinitz, Verst. G. wacke Saxony, p. 47.
			wald.	
var. (smooth),	"	(drift)	Geiser.....	Münst. Beiträge &c. v. 119.
procumbens,	Sndbrgr.	Stringoc. Limest., M.	Vilmar.....	Verstein. Nassau, p. 259.
pseudo-costulatum,	Tietze.	Clymen. Limest., U.	Ebersdorf.....	Palæont. Dunker & Zittel, xix. 145.
quinquecostatum,	Münst.	U.	Elbersreuth.....	Beiträge &c. iii. 63.
rigidum,	Ad. Röm.	Wissenb. Limest., M.	Wieda, Harz or Nassau.....	Palæont. D. & Von M. xiii. 210.
semicinctum,	Münst.	U.	Elbersreuth.....	Beiträge &c. iii. 60.
seminulum,	Münst., Ad. Röm.	Wissenb. Sch., L., M.	Steinberg, Goslar.....	Palæont. D. & Von M. iii. 79.
sexcostatum,	Münst.	M.	Ziegenberger Teiche, Festenberg.....	" 79.
subarquatam,	"	U.	Elbersreuth.....	" 62.
subgranulatum,	Münst., Gldf.	Clymen. Limest., U.	Gattendorf.....	" 65.
subsimile,	Münst.	U.	Elbersreuth.....	" 62.
tenuistriatum,	"	U.	"	" 66.
tenuisulcatum,	"	U.	"	" 65.
texturatum,	"	Black Clym. L'st., U.	Schübelhammer, Ebersdorf.....	" 63.
trapezoidalis,	Ad. Röm.	Wissenb. Sch., M.	Ziegenberger Teiche, Bonteboch.....	Palæont. D. & Von M. iii. 14.
triangulum,	Münst.	Orthoc. Limest., U.	Elbersreuth.....	Beiträge &c. iii. 59.
trigonum,	Münst., Goldf.	Orthoc. Limest., L.	"	61.
tripartitum,	Ad. Röm.	Wissenb. ....M.	"	Palæont. D. & Von M. xiii. 210.
vetustum,	Hall.	"	New York.....	Hall, Palæont. New York.
Zorgense,	Ad. Röm.	Wissenb. Limest., M.	Zorge (Harz).....	Palæont. D. & Von M. xiii. 210.
Cimitaria , Hall, 1869.				
corrugata,	Conrad.	Ham. ....M.	Summit and Fultonham, Schoharie	Hall, Prelim. Notices, 2nd pt. p. 67.
			Co., &c.	

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
<i>elongata</i> , <i>recurva</i> ,	Conrad. Ham., Aren. Sh., M.	Summit, Pratt's Falls, Onondago Co.	Hall, Prelim. Notices, p. 69.
<i>Clidophorus</i> , Hall, 1847.	" " " " " " " "	New York (passim)	?
<i>abbreviatus</i> , <i>Africanus</i> , <i>cultratus</i> ,	Sharpe. Sandstone, L. " " " " " " " "	<i>Cucullæa</i> , Lamarck, 1819. Gydw Pass, Bokkeveld (S. Africa) ... Cedarberg (S. Africa) ...	Trans. G. S. L. ser. 2, vii. 205. " " " " " " " "
<i>Lasii</i> ?, <i>ovatus</i> ,	Sndbrgr. Spirif. Sands. Orthoc. Schist, L. Ad. Röm. Spirif. Sandst., L. Sow. " " " " " " " "	Kemmenau, Singhofen, Wissenbach, Daune, Coblenz, Kahleberg. Kahleberg Meadsfoot, Torquay	Verstein. Nassau, p. 276. " Harz, 1843. Etheridge, MS. Cat.; Trans. G. S. L. n. s. vi. 400.
<i>tenuiatus</i> ,	Sndbrgr. Spirif. Sandst., Orthoc. Schist, M., U.	Kemmenau, Wissenbach, Ziegenberg Teiche, Daleiden, Nowa Slupia.	Verstein. Nassau, p. 276; Zeitschrift &c. Berlin, xxi. 267.
<i>tumida</i> , <i>Clinopistha</i> , Meek, 1871.	" " " " " " " "	Kemmenau (Nassau)	Verstein. Nassau, p. 277.
<i>Conocardium</i> , Bronn, 1835.	Cornif. Limest., L. Fleurorhynchus, UHL, Iberg Limest., L., M., U.	Dublin, Franklin Co. (Ohio) ... Phillips, 1836. Lichas, Steininger, Ohio-river Falls, Grund, Barton (De- vonshire).	Journ. Acad. Nat. Sc. Philad. 1871, p. 67. 1837. Yand. & Shu. Contrib. p. 35; Verstein. Harz, p. 1843, 22.
<i>alaforme</i> , Goldf., Ad. Röm. <i>non aliforme</i> , Sow.	Goldf. " " " " " " " "	Viré, Loué, Izé, Ferrones, Sabero, &c. (Spain).	Mém. Soc. Hist. Nat. Cherb. x. 200.
<i>aliforme</i> , var. <i>clathratum</i> ,	D'Orb. " " " " " " " "	Plymouth, Pilton, Marwood	Phill. Palæoz. Foss. Devon &c. p. 35.
<i>antiqua</i> , <i>bifarium</i> ,	Sow. " " " " " " " "	Little Traverse Bay (Michigan), Stro- matop.-bed.	Rep. Michigan, Append. 1866, p. 95.
<i>bovipedale</i> ,	Winch. Chem. " " " " " " " "	Huron Group?, Michigan, Couvin. Paffrath, Eifel.	Proc. Acad. Nat. Sc. Philad. 1862, p. 420.
<i>cuneatum</i> , <i>crassifrons</i> ?, <i>Eboraceum</i> , <i>Eminetense</i> , <i>inaquicostatum</i> ,	Ad. Röm. Calceol. Shale, M. Conrad. Ham. " " " " " " " " Hall. " " " " " " " " Winch. " " " " " " " " Münst. Clymen. Limestone, Greenst. tuff, U.	Auerhahn by Clausthal (Harz) ... New York Livingstone Co. (N. Y.) ... Little Traverse Bay (Michigan Lake) Pfarrberg, Planschwitz, Gattendorf, Schleitz, &c.	Palæont. D. & Von M. iii. 11. Vanux. Geol. N. Y. p. 163. XIII. Rep. Regents N. Y. p. 91. Rep. Michigan, Append. 1866, p. 95.
<i>Lyellii</i> , <i>minax</i> , <i>paucicostatum</i> , <i>propinquum</i> , <i>securiforme</i> , <i>semialatum</i> , <i>subtrigonale</i> , <i>trigonale</i> ,	Verneulli. " " " " " " " " Phill. " " " " " " " " Münst. " " " " " " " " Münst. " " " " " " " " Ad. Röm. Spirif. Sandst., L. Münst. " " " " " " " " D'Orb. " " " " " " " " Hall. Oriskany Sandst., L. M., Onond. Limest., Ham. Group, M.	Vilmar (Nassau) ... Bradley, Halburton (Devonshire) ... Elbersreuth ... " " " " " " " " Kahleberg Elbersreuth Kentucky, Williamsville (N. Y.) ... Parkhurst (Ohio), New Buffalo, Ohio Falls (Kentucky), Charlestoñ Land- ing (Indiana), North Cayuga, Mal- den, Lake Huron, East coast (Ca- nada West).	Trans. G. S. L. ser. 2, vi. 401. " " " " " " " " Beiträge &c. iii. 59. " " " " " " " " Palæont. D. & Von M. v. 12, xiii. 220. Beiträge &c. iii. 59. Hall, Palæont. N. Y. Owen, Rep. Minnesota &c. p. 599; Geol. Canada, 1863, pp. 361, 370.
<i>trapezoidalis</i> ,	Ad. Röm. Iberg Limest., U.	Grund, Elbingerode	Verstein. Harz, 1843, p. 227; Palæont. D. & Von M. xiii. 230.
<i>ventricosum</i> , <i>Vilnarense</i> , D'Arch., Vern. var. <i>a.</i> , D'Arch.	Hall. Ham. Limest., M. " " " " " " " " " " " " " " " "	Iowa City Vilmar (Nassau)	XIII. Rep. Regents N. Y. p. 91. Trans. G. S. L. ser. 2, vi. 401.
<i>Corbula</i> , Bruguière, 1791.	No true <i>Corbula</i> Wissenb. Sch., U.	occurs in Palæozoic Rocks (Ferd. Römer). Lerbach.	" " " " " " " "
<i>clathrata</i> , <i>Hennahi</i> , <i>inflata</i> , <i>ovata</i> , <i>parva</i> , <i>striatula</i> ,	Sow. Limestone, M. Sndbrgr. Cyprid. Sch., U. Ad. Röm. Spirif. Sandst., L. " Wissenb. Sch., U. " " " " " " " " " Stringoc. Limest. (fer- ruginous), M.	Plymouth, Torquay Oberscheld Kahleberg Ziegenberger Teiche Elbingerode (Harz)	Trans. G. S. L. ser. 2, v. 704. Verstein. Nassau, p. 253. " Harz, 1843, p. 23. Palæont. D. & Von M. iii. 36. " " " " " " " "
<i>Crassatella</i> , Lamarck, 1817.	So-called genus; Ad. Röm. Spirif. Sandst., L.	doubtful whether in Palæozoic Rocks Schalke (Harz)	(Ferd. Römer). Verstein. Harz, 1843, p. 24.
<i>Ctenodonta</i> , Salter.	<i>Nucula</i> , Lamarck, 1801.	<i>Pullastra</i> , G. B. Sowerby, 1827.	<i>Leda</i> , Schumacker, 1847.
<i>Ahrendi</i> , <i>alta</i> , <i>appressa</i> ,	Ad. Röm. Spirif. Sandst., L. Conrad. Ham. " " " " " " " " " " " " " " " "	Kahleberg (Harz, in nodules) New York Skeneateles, Cayuga, &c. Lakes (N. Y.), Ithaca.	Verstein. Harz, 1843, p. 23. Vanux. Geol. N. Y. p. 162. " " " " " " " "
<i>Barrisii</i> ?, <i>bellastriata</i> , <i>bellatula</i> ,	Hall. Conrad. Ham. " " " " " " " " Hall. Ham. & Chem., M., U.	Smyrna, Chenango Co. (N. Y.) ... Cayuga and Seneca Lakes (N. Y.) ... Missouri.	Prelim. Notice, pp. 2, 169. Palæont. N. Y. iv. 196; Swallow, Rep. Missouri, ii. 218.
<i>brevirostris</i> , <i>cardiiformis</i> , <i>corbuliformis</i> ,	" " " " " " " " Eichw. " " " " " " " " Hall. Ham. Shale, M.	Jefferson and Schohar. Co. (N. Y.) ... Bonreggi (Russia) ... Skeneateles, Cayuga, and Seneca Lakes, Ithaca (N. Y.).	Palæont. N. Y. v. pl. 47. Lethæa Rossica, p. 993. Palæont. New York, v. pl. 46.
<i>cornuta</i> ,	Sndbrgr. Spirif. Sands. &c., L.	Niederlahnstein, Kemmenau, Kahle- berg.	Verstein. Nassau, p. 278.
<i>crinita</i> ,	Ryckholdt. " " " " " " " "	Oppershofen, Wissenbach, Namur, Linton schists (Devon).	Mélang. Pal. 2nd part, p. 154.
<i>crotonis</i> ,	Ad. Römer. Wissenb. Sch., M.	Ziegenberger Teiche (Harz)	Palæont. D. & Von M. iii. 13.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
<i>cuneiformis</i> , [']	Hall.	Ham. ?.....M. ?	Schoharie and Otsego Counties, Fultonham, N. Y.	Palæont. N. Y. v. pl. 47.
<i>elliptica</i> ,	Ad. Röm.	L. U.	Kahleberg, Petherwin (Holl.), Lanlake	Verstein. Harz, 1843, p. 23.
<i>emarginata</i> , [']	Conrad.	Ham. ....M.	New York	Vanux. Geol. N. Y. p. 162.
<i>fornicata</i> ,	Goldf.	L.	Viré, Brest Roads, Olpe, Bensberg, Eifel.	Bull. Soc. Géol. Fr. n. s. xiii. 779.
<i>fusiformis</i> ,	Ad. Röm.	Spirif. Sandst., L.	Harz	Palæont. D. & Von M. xiii. 221.
<i>Gahardiana</i> ,	Rouault.	M.	Izé, Gahard.	Bull. Soc. Géol. Fr. n. s. viii. 386.
<i>grandæva</i> ,	Goldf.	L.	Ems (Nassau), Harz	Trans. G. S. L. ser. 2, vi. 400.
<i>hircina</i> ,	Ad. Röm.	Calceol. Schist, M.	Bochswiese (Harz)	Palæont. D. & Von M. iii. 73.
<i>inornata</i> ,	?	?	?	?
<i>Iowensis</i> , [']	W. & W.	Waverly Sandst., U.	Granville (Ohio)	Palæont. N. Y. v. pl. 45.
<i>Jugleri</i> ,	Ad. Röm.	Sandstone, L.	Kahleberg (in nodule)	Verstein. Harz, 1843, p. 23.
<i>Justinæ</i> ,	Ryckholdt.	M. or U.	Namur (Belg.)	Mélang. Pal. 2nd part, p. 156.
<i>lamellosa</i> ? [']	Conrad.	?	New York	Vanux. Palæont. N. Y. p. 162.
<i>latissima</i> ,	Phill.	U.	Pilton, Baggy Point (N. Devonsh.)	Phill. Palæont. Foss. Devon, p. 137.
<i>leiosoma</i> ,	Ryckholdt.	M. or U.	Namur.	Mélang. Pal. 2nd part, p. 153.
<i>lineata</i> ,	Phill.	U.	Baggy Point, Pilton	Palæoz. Foss. Devon &c. p. 39.
<i>lineata</i> , [']	Hall.	Ham. ....M.	New York	XIV. Rep. Regents N. Y. p. 30.
vars. α & β ,	Phill.	U.	Baggy Point, Pilton	Palæoz. Foss. Devon, p. 39.
<i>lineolata</i> , [']	Hall.	Portage Group, U.	New York	XIV. Rep. Regents N. Y. p. 34.
<i>lirata</i> , [']	Conrad.	Ham. ....M.	Skeneateles, Cayuga, and Seneca Lakes (N. Y.), Paterson's Creek, Hardy Co., Virginia.	Palæont. N. Y. v. pl. 45.
<i>multilineata</i> , [']	"	Ham. ....M.	New York	Vanux. Geol. N. Y. p. 162.
<i>Murchisonii</i> ,	Goldf.	M.	Eifel.	Trans. G. S. L. n. s. vi. 400.
<i>neda</i> , [']	Hall.	Ham. ....M.	Ithaca, N. Y.	Palæont. N. Y. v. pl. 45.
<i>niotica</i> , [']	"	?	"	"
<i>Nyssa</i> , [']	"	Marcell. Shale, M.	?	" 47.
<i>obesa</i> ,	Goldf.	L.	Ems (Nassau)	Trans. G. S. L. ser. 2, vi. 400.
<i>oblongata</i> , [']	Conrad.	Ham. ....M.	New York, Virginia	Vanux. Geol. N. Y. p. 162.
<i>obsoleta</i> ,	Goldf.	L.	Solingen, Abenthacur, Hundruck	Trans. G. S. L. ser. 2, vi. 400.
<i>opima</i> , [']	Hall.	Ham. ....M.	New York	Canadian Nat. & Geol. i. 473.
<i>plicata</i> ,	Phill.	M., U.	Baggy Point, Pilton, Oberkuzendorf.	D'Orb. Prodrome, i. 81.
<i>polyaster</i> ,	Ad. Röm.	Spirif. Sandst., L.	Kahleberg	Palæont. D. & Von M. v. 12, xiii. 221.
<i>polyodonta</i> ,	Ryckholdt.	M. or U.	Namur.	Mélang. Pal. 2nd part, p. 154.
<i>præata</i> ,	Goldf.	L.	Ems (Nassau), Bensberg	D'Orb. Prodrome, i. 81.
<i>prisca</i> ,	Münst.	U.	Elbersreuth	Beiträge &c. iii. 54.
<i>Protei</i> ,	M'Coy.	Sandstone, U.	Marwood, Baggy Point (N. Devonsh.)	Brit. Palæoz. Foss. p. 397.
<i>pullastræformis</i> ,	Conrad.	Ham. ....M.	New York	Vanux. Geol. N. Y. p. 162.
<i>radiata</i> , [']	Hall.	Chem., M., U.	Schoharie and Madison Counties, Seneca Lake, and at Ithaca.	Palæont. N. Y. v. pl. 45.
<i>Randalli</i> , [']	"	M.	Izé, Gahard (France)	Bull. Soc. Géol. Fr. n. s. viii. 389.
<i>Rauliniana</i> ,	M'Chesn.	Dark Ham., M.	Batesville (Arkansas)	Trans. Acad. Sc. Chicago, pp. 39-74.
<i>rectangula</i> , [']	Conrad.	Ham. ....M.	New York	Palæont. N. Y. v. pl.
<i>rostellata</i> , [']	Ryckholdt.	M. & U.	Namur (Belgium)	Mélang. Pal. 2nd part, p. 155.
<i>saginata</i> ,	Goldf.	Spirif. Sandst., L.	Kemmenau, Ems, Niederlahnstein, Kahleberg.	Verstein. Nassau (Harz), p. 278.
<i>securiformis</i> ,	Ryckholdt.	L.	La Vedré, Namur	Mélang. Pal. 2nd part, p. 157.
<i>schisticola</i> ,	Goldf.	Wissenb. Sch., L.	Kahleberg, Caub and Cologne	Verstein. Harz, 1843, p. 24.
<i>solenoides</i> ,	Sow.	Quartzose Sandst., L.	Cape of Good Hope only	Trans. G. S. L. vii. n. s. 285.
<i>Smithia</i> ,	D'Orb.	Spirif. Sandst., L.	Harz	Palæont. D. & Von M. iii. 107, xiii. 221.
<i>subelliptica</i> ,	Conrad.	Ham. ....M.	"	"
<i>triquetra</i> , [']	Hall.	M.	New York	XIV. Rep. Regents N. Y. p. 30.
<i>truncata</i> , [']	Ad. Röm.	Orthoc. Sch., Spirif. Sandst., L.	Kahleberg (in nodules)	Palæont. D. & Von M. xiii. 221.
<i>tumida</i> ,	Ryckholdt.	M. ?	Namur (Belg.)	Mélanges Pal. 2nd part, p. 155.
<i>valens</i> ,	Hall.	Ham. ....M.	Cayuga Co. (N. York)	Prelim. Notice and Palæont. N. Y. v. pl. 46.
<i>varicosa</i> , [']	"	Shale, M.	Batesville (Arkansas)	Trans. Acad. Sc. Chicag. i. 73.
<i>Vaseyana</i> , [']	Winch.	Spirif. Sandst., L.	Singhofen (in nodules), Menzenberg	Krantz, Verhandl. Ver. xiv. &c.; Verstein. Nassau, p. 277.
<i>unioniformis</i> ,	Sndbrgr.	L.	(Ohio) Waverly Sandstones	Palæont. N. Y. v. pl. 47.
<i>spec. indet.</i> , [']	Hall.	Chem. ....U.	Almaden (Spain)	Bull. Soc. Géol. Fr. n. s. xii. 1015.
"	Vern.	L. ?	Voroneje Government, South Russia	Murch., Vern. & Keyserl. Geol. Russ. ii. 312.
"	"	M. ?	Perques, N. France	Mém. Soc. Sc. Nat. Cherb. x. 176.
"	Bonissent.	Green Sandst., L.	Gydow Pass (South Africa)	Trans. G. S. L. n. s. vii. 205.
" a cast, Sharpe.	"	Sandst., L.	"	"
Cucullæa , Lamarck, 1817.	Phill.	Dolabra, M'Coy, 1855.	Torquay, Marwood, Pilton, Sloly.	Pal. Foss. Devon, p. 40; Etheridge, MS.
<i>amygdalina</i> ,	"	M., U.	Fiennes (Fr.).	"
<i>angusta</i> ,	Sow.	Sandst.,.....U.	Marwood, Baggy Point (Carb. in Irel.)	" 41.
<i>subangusta</i> ,	"	"	"	"
<i>complanata</i> ,	Phillips.	U.	Baggy Point (Carb. in Irel.)	Quart. Journ. G. S. L. xxiii. 624.
<i>Damnoniensis</i> ,	"	U.	Marwood (passage-bed)	M'Coy, Br. Pal. Foss. p. 394.
<i>depressa</i> ,	"	U.	" (N. Devonsh.)	Pal. Foss. Devon, p. 42.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
Griffithii,	Salter.	 U.	Ireland.....	Irish Surv. Explan. Sheets 192, 199, p. xxii, fig. v.
Hardingii,	Sow.	Burnot Congl., Psammites, U.	Condros, Dimont, Fiennes, Pilton, Baggy, Burnot (Belg.), Cailion-Quibie (Ardennes).	Gosselet, MS. 1870 (mecum); Pal. Foss. Devon, p. 40.
Lasii,	Ad. Römer.	Spirif. Sandst., U.	Kahleberg, in nodules	Verstein. Harz, 1843, p. 24.
Namona,	Ryckholdt.	Schist M. ?	Namur	Mélang. Pal. 2nd part, p. 81.
trapezium,	Sow.	Calcar. Sands., M., U.	Marwood, Ferques, West Angle Bay (S. Wales).	Pal. Foss. Devon, p. 41; Quart. Journ. G. S. L. ix. 252, xix. 473.
Cypricardia, Lamarck, 1817.		Cypricardites.	A genus not likely to be palæozoic, but acknowledged as such.— <i>J. W. Salter.</i>	
? acuta,	Sndbrgr.	Stringoc. Limest., M.	Vilmar.....	Verstein. Nassau, p. 263.
alta,'	Conrad.	Ham. M.	New York	Vanuxem, Geol. N. Y. p. 162.
alveata,'	"	" M.	Lewis's Quarry, Solsville (New York).	" " " " 159.
amygdalina,'	Hall.	" M.	New York	Foster & Wh. Rep. South Lake Superior.
angustata,'	Conrad.	Catskill ... U.	Mount Upton, on river Unadilla (N. Y.)	Vanux. Geol. N. Y. p. 186.
articulata,	?			
ausaensis,	Steininger.	Goni. Sch., U.	Eifel.....	Zeitschrift &c. 1871, p. 374.
calceola,	Ad. Römer.	Calceola Sch., M.	Schulenberg, Birkenthal (in nodule)	Palæont. D. & Von M. v. 17.
carinifera,'	Conrad.	Chem. U.	New York	Vanux. Geol. N. Y. p. 185.
Catskillensis,'	"	Catskill Group, U.	Mount Upton, river Unadella (N. Y.)	" " " " 181.
Chemungensis,'	Vanux.	Chem. U.	Lisle, Binghamtown, &c. (N. Y.)	" " " " 162.
concentrica,'	Conrad.	Ham. M.	Skeneateles Lake (N. Y.)	" " " " 163.
contracta,'	D'Orb., Hall.	" M.	New York	Bull. Soc. Géol. Fr. n. s. viii. 387.
Cordieri,	Rouault.	" M.	Gahard (France)	Vanux. Geol. N. Y. p. 162.
corrugata,'	Conrad.	Ham. M.	New York	Verstein. Nassau, p. 263.
crenistris,	Sndbrgr.	Spirif. Sandst., L.	Niederlahnstein, Daun	Fost. & Wh. Rep. S. Lake Superior, p. 303.
cymbaciformis,'	Sow.	Ham. M.	New York	Lethæa Rossica, p. 1014.
dorsata,	Eichw.	Black Pentam. Limest.	Bogoslowlk (North Ural)	Sndbrgr. Verstein. Nassau, p. 260.
elongata,	D'Orb.	Stringoceph. Limest.	Vilmar, Gerolstein, Newton Bush, Barton.	
subelongata.		Iberg Limes., M., U.		
elongata,'	Conrad.	Ham. M.	New York	Vanux. Geol. N. Y. p. 168.
elegans,	Goldf.	Calceola Limest., M.	Couvin (Belgium)	D'Omali d'Halloy, Préc. Géol. p. 576.
indenta,'	Conrad.	Ham. M.	New York	Vanux. Geol. N. Y. p. 162.
inflata,'	"	Onondag. Limest., L.	"	" " " " 138.
impressa,	Helmersen.	" L., U.	Sadonsk, Jeletz	Beiträge &c. p. 107.
lamellosa,	Sndbrgr.	Stringoc. Limest. &c., M.	Vilmar, Oranienstein, Lahnstein, Weilburg (in red ironstone), Gerolstein, Chimay, Grund.	Verstein. Nassau, p. 262.
Marcellus,'	Conrad.	Marcellus Sh., M.	Marcellus Town, Central New York...	Vanux. Geol. N. Y. p. 147.
mytiloides,'	"	Ham. M.	New York	" " " " 162.
oblongata ?,'	"	" M.	"	" " " " "
radiata,'	"	" M.	"	" " " " "
recta ?,'	"	" M.	Solsville (N. Y.)	" " " " 159.
rhombæa,'	Hall.	Catskill Group, U.	New York	XIV. Rep. Regents N. Y. p. 40.
rhombea,	Phill.	" M.	Vilmar (Nassau), Ural	Trans. G. S. L. ser. 2, vi. 400.
rugosa,'	Conrad.	Ham. M.	West Hamilton Village (N. Y.)	Vanux. Geol. N. Y. p. 162.
sectifrons,'	"	" M.	New York	" " " " "
solenoides,'	Hall ?	" M.	"	Foster & Wh. Rep. Lake Superior, p. 303.
squamifera,	Phill.	Iberg Limest., M., U.	Vilmar, Grund (Harz)	Palæont. D. & Von M. iii. 33, xiii. 239.
subtenta ?,'	Conrad.	Ham. M.	New York	Vanux. Geol. Rep. N. Y. p. 162.
"	"	Ham. Shale, M.	Skeneateles Lake (N. Y.)	" " " " "
subulata,'	"	" M.	New York	" " " " "
trigonalis,	Kutorga.	?	Gatschina, Government St. Petersburg (Russia).	Lethæa Rossica, p. 1013.
truncata,'	Conrad.	Ham. M.	New York	Vanuxem, Geol. N. Y. p. 162.
undata,'	Hall.	" M.	"	Foster & Wh. Rep. Lake Superior, p. 303.
ventricosa,'	"	Marcell. Shale, M.	Rockford, Indiana	XIII. Rep. Regents N. Y. p. 110.
spec. indet.,'	"	Ham. M.	Indiana	Palæont. N. Y. iii. 196.
Cypricardinia, Hall, 1869.				
cylindrica,'	Hall & Whitn.	 L., M., U.	Louisville (Kentucky)	Palæont. New York, v. pl. 79.
distincta,'	Bill.	Limestone No. 8, L.	Indian Cove, Gaspé (Canada East) ...	Geol. Surv. Canada, ii. 56.
indenta,'	Conrad.	Waverl. Sandst., U.	Hardy Co. (Virginia), Clarence Hollow (N. York), the N.-York Lakes, Richford (Ohio), Burlington (Iowa).	Hall, Prelim. Notices, pt. 2, p. 82.
planulata,'	"	Schoh. Grit, L.	Albany and Schoharie Cos., Babcock's Hill (New York).	" " " "
var. subæquivalvis,'	Hall.	 L.	Falls of river Ohio, Seneca Co. (N. Y.)	Palæont. New York, v. pl. 79.
spec. indet.,'	"	UHL. L., M.	South shore of Lake Erie	" " " "
Cyprina, Lamarck, 1801.				
vetusta,	Ad. Römer.	Spirif. Sandst., L.	Kahleberg (in nodules)	Verstein. Harz, 1843, p. 25.
Dolabra, M. Coy. See Cucullæa.				
Dystachtella, Hall, 1873 ?				
subnasuta,'		UHL. ?	Louisville ? (Kentucky)	Palæont. New York, v. pl. 51.
spec. indet.,'		"	Cayuga (Canada West)	" " " "

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Edmondia , <i>De Koninck</i> , 1844.			
<i>bicarinata</i> .			
<i>Burlingtonensis</i> , Hall.	Chem., Waverl. Sa'st., U.	Phillipsburg, Rockville, Ithaca, &c., Burlington (Iowa).	Palæont. New York, v. pl. 61.
<i>concentrica</i> , Ether.	.....	Gympsie (Queensland)	Quart. Journ. G. S. L. xxviii. 328.
<i>depressa</i> , Hall & Whitn.	Chem. & Waverl., U.	.....	Palæont. New York, v. pl. 64.
<i>lidoides</i> , Winch.	Ham., Magn. beds, M.	Little Traverse Bay (Michigan Lake).	Geol. Rep. Mich. Append. 1866, p. 96.
<i>mactroides</i> , " "	" " M.	" " " " " "	" " " " " "
<i>obovata</i> , Etheridge.	.....	Gympsie (Queensland)	Quart. Journ. G. S. L. xxviii. 328.
<i>Phillipii</i> , Hall & Whitn.	Chem. & Waverl. Sa., U.	.....	Palæont. New York, v. pl. 64.
<i>rhombæa</i> , " "	Conglomerate beds, U.	Salamanca (New York)	" " " " " "
<i>undulata</i> , " "	Chem. & Waverl., U.	Gt. Valley, Catteraug. Co., E. Randolph	" " " " " "
<i>spec. indet.</i> , Hall.	U.	Portville, Alleghany Co. (N. York)...	" " " " " "
Erycina , <i>Lamarck</i> , 1805.	(Very doubtful genus. — <i>Ferd. Römer, Breslau.</i>)		
<i>glabra</i> , Münst.	Orthoc. Limest., U.	Elbersreuth	Beiträge &c. iii. 72.
<i>Posidonomya Münsteri</i> , D'Orb.	Orb.		
<i>pygmæa</i> , Münst.	" U....	" (only there)	" " " " " "
<i>subpygmæa</i> , D'Orb.			
<i>striata</i> , Münst.	" U....	"	" " " " " "
<i>Cardium substriatum</i> , D'Orb.			
Goniophorus .			
<i>acutus</i> , Hall.	Ham. M.	.....	Palæont. New York, v. pl. 43.
<i>carinatus</i> , Conrad.	Chem. U.	Near Mount Upton (New York)	" " " " pl. 44.
<i>Chemungensis</i> , Vanux.	" U.	?	" " " " " "
<i>glabrus</i> , Hall.	" U.	?	" " " " " "
<i>Hamiltonensis</i> , " "	Ham. M.	Hamilton village (New York)	" " " " pl. 43.
<i>perangulata</i> , Conrad.	UHL. L.	New York	Vanux. Geol. New York.
<i>rugosus</i> , " "	Ham. M.	" ?	Palæont. New York, v. pl. 43.
<i>truncatus</i> , Hall.	Chem. U.	?	" " " " pl. 44.
Grammysia , <i>De Verneuil</i> , 1837. See Allorisma .			
<i>abbreviata</i> , Sndbrgr.	Spirif. Sandst., L.	Singhofen (Eifel)	Verstein. Nassau, p. 266.
<i>alveata</i> , Conrad.	Ham. Shales, M.	Eastern and Middle New York	Hall, Prelim. Notices, 1869, p. 55.
<i>arcuata</i> , " "	" M.	West New York, Patterson's Creek (Virginia).	" " " " p. 56.
<i>bisulcata</i> , " "	" M.	Schoharie, Otsego, and Madison Cos. &c. (New York).	" " " " p. 49.
<i>circulus</i> , Hall.	Ham. & Chem., M., U.	Ithaca (New York)	Palæont. New York, v. pl. 57.
<i>circularis</i> , " "	Chem. U.	Nicolas Township, Tioga Co. (N. Y.).	" " " " pl. 58.
<i>constricta</i> , Hall & Whitn.	Ham. Shale, M.	Cayuga and Canandaigua Lakes	Prelim. Notices, 1869, p. 58.
<i>Leptodomus</i> .			
<i>elliptica</i> , Hall.	Chem. U.	Ithaca, Phillipsburg, Alleghany Co. (New York).	" " " " p. 53.
<i>crecta</i> , " "	Ham. Shales, M.	Fultonham (New York)	" " " " p. 52.
<i>globosa</i> , " "	" M.	Schoharie Co. (New York)	" " " " p. 57.
<i>Hamiltonensis</i> , De Vern.	 L., M.	Cazenovia (New York), Mondrepuis, Nehou, Gahard, Ferques, Daleiden, &c., Chillon, Cabeza del Buey, Singhofen, &c.	D'Archiac, Palæont. de France, p. 43; Siluria, ed. 4, p. 398.
<i>Hannibaleusis</i> , Shumard.	Chem., Congl., U.	Western N. York, Summit Co. (Ohio), Burlington (Iowa).	Palæont. New York, v. pl. 61.
<i>Leptodomus</i> .			
<i>lirata</i> , Hall & Whitn.	UHL. L.	Fultonham &c., Schoharie Co., and Cayuga &c. Lakes.	" " " " pl. 59.
<i>magna</i> , Hall.	Ham. Shales, M.	Cazenovia and Hamilton, Madison Co. (New York).	Prelim. Notices, 1869, p. 50.
<i>nodocostata</i> , " "	" M.	Sherburne, Chenango Co., Hamilton Village (New York).	" " " " " "
<i>obsoleta</i> , " "	" M.	Schohar., Madison, and Onondaga Cos., Seneca & Cayuga Lakes &c. (N. Y.).	" " " " p. 60.
<i>ovata</i> , Sndbrgr.	Spir. Sa., Ham., L., M.	Lahust., Haigerhutte, Singhofen, Caux	Verstein. Nassau, p. 266.
<i>parallela</i> , Hall.	Ham. Shales, M.	Skeneateles Lake (New York)	Prelim. Notices, 1869, p. 59.
<i>pes-anseris</i> , Zeiler & Wirtg.	Spirif. Sa'st., Avicula Sch., L.	Singhofen, Welschneudorf	Verstein. Nassau, p. 269.
<i>præcursor</i> , Hall.	Schohar. Grit, L.	Schoharie Co. (New York)	Prelim. Notices, 1869, p. 54.
<i>Leptodomus</i> .			
<i>rhomboidalis</i> , Meck & Worth.	Ham. M.	Bakeoven (Illinois)	Proc. Acad. Nat. Sci. Phil. 1865, p. 248.
<i>rhomboides</i> , Worthen.			
<i>secunda</i> , Hall.	UHL. L.	Clarence Hollow, Erie Co. (N. York).	Prelim. Notices, 1869, p. 54.
<i>Leptodomus</i> .			
<i>subarcuata</i> , " "	Chem. U.	Ithaca, Elmira, Chemung (N. York)...	" " " " p. 61.
<i>Leptodomus</i> .			
<i>ventricosa</i> , Meek.			
Hoplomytilus , <i>Sandberger</i> , 1854.			
<i>crassus</i> , Sndbrgr.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 282.
Isocardia , <i>Lamarck</i> , 1819.	Very doubtful Palæozoic. — <i>Ferd. Römer, Breslau.</i>		
<i>antiqua</i> , Goldf.	Wissenb. Sch., M.	Wissenbach	Trans. G. S. L. ser. 2, vi. 400.
<i>bicarinata</i> , Ad. Röm.	Spirif. Sandst., L.	Kahleberg	Verstein. Harz, 1843, p. 23.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
<i>cæolata</i> ,	Sndbrgr.	Orthoc. Sch., Spirif. Sandst., L., U. ?	Heitthal, Zeigenberger Teiche, Daleiden	Verstein. Nassau, pp. 260, 484.
<i>extensa</i> ,	Münst.	Clymenia Limest., U.	Schübelhammer	Beiträge &c. iii. 71.
<i>Humboldtii</i> ,	Goldf.	Wissenb. Sch., M.	Wissenbach, Hon, Hutthal, Zeigeuberg Teiche.	Palæont. D. & Von M. iii. 14.
<i>securiformis</i> ,	Sndbrgr.	Orthoc. Sch., U.	Wissenbach	Verstein. Nassau, p. 260.
<i>tanaia</i> ,	De Vern.	Clay-schist, M.	Zadonsk (riv. Don), riv. Uchta, Upper Velicaja valley.	Leth. Ross. p. 1026; Murch., Vern. & Keys. Geol. Russ. ii. 302; Helmerseu, Beiträge, p. 107; Grewingk, Geol. Livonia, p. 34.
<i>trapezoidalis</i> ,	Ad. Röm.	Wissenbach, M.	Zeigenberger Teiche	Palæont. D. & Von M. iii. 14.
<i>Valenciennes</i> ,	Rouault.	M.	Gahard	Bull. Soc. Géol. Fr. n. s. iv. 322.
<i>vetusta</i> ,	Goldf.	Clymen. Limest., U.	Eifel	Trans. G. S. L. ser. 2, vi. 400.
Isonema , Meek & Worthen, 1865.		Subgenus of	Holopœa .	
<i>Barrisii</i> ,	C. A. White.	Chem. ?	U. Burlington (Iowa), Yellow Sandstone	Proc. Bost. Nat. Hist. Soc. viii. 298.
<i>depressa</i> ,	Meek.	Ham. ....M.	White Sulphur Springs, Delaware Co. (Ohio).	Proc. Acad. Nat. Sci. Phil. 1865, p. 253.
<i>fusiformis</i> ,	Ad. Röm.	Spirif. Sandst., L.	Kahleberg (Harz)	Palæont. D. & Von M. v. 13.
<i>humilis</i> ,	Meek.	Cornif. Limest., L.	Dublin, Franklin Co. (Ohio)	Proc. Acad. Nat. Sci. Phil. 1871, p. 79.
<i>Jugleri</i> ,	Ad. Röm.	Spirif. Sandst., L.	Kahleberg (Harz)	Palæont. D. & Von M. xiii. 221.
Leda , Ctenodonta.				
<i>? brevirostris</i> ,	Hall.	UHL. & Ham., L., M.	Jeffersonville, Franklin, Delaware Cos. (New York).	Prelim. Notices, 1869, p. 6.
<i>? rostellata</i> ,	Conrad.	Ham., Arenac. Sh., M.	Lake Skeneateles summit, Schohar. Co., Moravia (New York).	" " p. 5.
<i>? tumida</i> ,	Sndbrgr.	Spirif. Sandst., L.	Niederlalmstein	Verstein. Nassau, p. 279.
<i>? spec. indet.</i> ,	Hall.	Waverl. Sandst., U.	Ohio	Palæont. New York, v. pl. 47.
"	Bonissent.	L.	Le Cotentin (France)	Mém. Soc. Sci. Nat. Cherb. x. 200.
Leiopteris , Hall, 1875-76.		?	?	Palæont. New York, v. pl. 20.
Leptodomus , M ^c Coy, 1844.				
<i>Cauadensis</i> ,	Bill.	Limestone No. 8, L.	Indian Cove, Gaspé (Canada East)	Can. Surv. Pal. Foss. ii. 54.
<i>clavatus</i> ,	Winch.	Portage Gr ^p , U.	Union Branch Co. (Michigan)	Proc. Acad. Nat. Sci. Phil. 1862, p. 415.
<i>constrictus</i> ,	M ^c Coy.	Sandstone, U.	Marwood (N. Devonshire)	Ann. & Mag. Nat. Hist. ser. 2, viii. 483.
<i>? ovatus</i> ,	Sharpe.	" L.	Leo Hook (S. Africa)	Trans. G. S. L. n. s. vii. 205.
Limoptera , Hall, 1869.				
<i>cancellata</i> ,	Hall.	UHL. ....L.	River-Ohio Falls (Kentucky)	Palæont. New York, v. pl. 26.
<i>curvata</i> ,	"	Ham. Shales, M.	Madison Co. &c. (New York)	Prelim. Notices, 1869, p. 18.
<i>macroptera</i> ,	Conrad.	Ham. ....M.	Otsego, Madison, and Onondaga Cos. (New York).	" " p. 17.
<i>obsoleta</i> ,	Hall.	" Shales, M.	Hamilton, Madison Co., Cayuga Lake, &c. (New York).	" " p. 18.
<i>pauperata</i> ,	"	UHL. ....L.	Stafford, Genesee Co. (New York)	" " p. 16.
<i>triquetra</i> ,	Conrad.	Ham. ....M.	Eastern and Central New York	Palæont. New York, v. pl. 31.
Lucina , Bruguière, 1792, = Paracyclas , Meek?				
<i>antiqua</i> ,	Goldf.	Stringoc. L st ., Givet Limest., M.	Givet, Bellignies, Avesnes, Eifel, Paff-rath, &c.	Trans. G. S. L. ser. 2, vi. 375; D'Arch. Palæont. de France (Gosselet).
<i>declivis</i> ,	Ad. Röm.	Spirif. Sandst., L.	Kahleberg (in nodules)	Verstein. Harz, 1843, p. 25.
<i>elliptica</i> ,	Bill.	Cornif. Limest., L.	Snake Isle, L. Winnepagosis, Rupert's Land.	Hind's Expedit. Rupert's Land, p. 187.
<i>Gilberti</i> ,	Meek.	" L.	Sylvania (Lucas Co.), Marblehead (Ohio)	Surv. Rep. Ohio.
<i>? Griffithii</i> ,	De Vern.	M.	River Dou, Govt. Voroneje, river Sjass, Lake Ladoga (Russia).	Murch., Vern. & Keyserl. Geol. Russia, ii. 301.
<i>Hamiltonensis</i> ,	Winch.	Ham. ....M.	Little Trav. Bay (Mich.), Bryozoa beds.	Geol. Rep. Mich. Append. 1866, p. 95.
<i>occidentalis</i> ,	Bill.	"M.	Snake Isle, L. Winnepagosis, Rupert's Land.	Hind's Expedit. Rupert's Land, p. 187.
<i>Ohioensis</i> ,	Meek.	UHL. ....L.	Dublin, Franklin Co. (Ohio)	Surv. Rep. Ohio, 1873, i. 200.
<i>Paracyclas</i> .				
<i>proavia</i> ,	Goldf.	Cornif. L st ., Ham. Givet and Stringoc. L st ., Greenst. Tuff, Psammite, L., M.	Iowa, Sandusky, Dublin (Ohio), Clarke Co. (Ind.), Ohio Falls (Kentucky).	Newberry, Report Ohio, i. 200, 446; Gosselet, MS. 1870 (mccum); Leth. Ross. p. 1030; Trans. G. S. L. n. s. vi. 402; Bull. Soc. Géol. Fr. n. s. xiv. 368.
var. <i>Dufresnoyi</i> ,	De Vern.	M.	(Common in the above and other localities.)	Owen, Geol. Rep. Minnesota &c. p. 78.
<i>pura</i> ,	Lyon?	UHL. ....L.	Ohio Falls (Kentucky)	Trans. Acad. Sci. St. Louis, i. 620.
<i>rectangularis</i> ,	Sndbrgr.	Stringoc. Limest., M.	Vilmar (Nassau)	Verstein. Nassau, p. 255.
<i>retusa</i> ,	Hall?	Portage Gr ^p , U.	New York?	XIV. Rep. Regents New York; D'Orb. Prodrome, i. 77.
<i>rugosa</i> ,	Goldf.	Cornif. L st ., &c., L., M., U.	Eifel, Bensberg, Lustheide, New York, Indiana.	De Vern. Bull. Soc. Géol. Fr. n. s. iv. 695.
<i>semicircularis</i> ,	Krantz.	Spirif. Sandst., L.	Menzenberg (Rhenish Prussia)	Verhandl. d. n. Ver. xiv. &c. p. 161.
<i>semistriata</i> ,	Ad. Röm.	Wissenbach, M.	Langeberg, Lerbach	Pal. D. & Von M. iii. 15, 79, xiii. 225.
<i>sinuosa</i> ,	"	Iberg Limest., U.	Grund, Menzenberg	" " 32.
<i>suborbicularis</i> ,	D'Orb.	Portage Gr ^p , U.	New York	D'Orb. Prodrome, i. 77.
<i>spec. indet.</i> ,	De Vern.	M.	Maguagon near Detroit (Michigan)	Bull. Soc. Géol. Fr. n. s. ?

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Lunulacardium , Münster, 1840.	Conocardium m, D'Orbigny.		
acutirostrum,' Hall.	Marc.Sh.&Gen.Sl.,M.	New York	Palæont. New York, v. pl. 71.
canaliferum, Münster.	Clymen. Limest., U...	Schübelhammer	Beiträge &c. iii. 70.
exerescens, " "	" " " " " "	" " " "	" " " "
fragile,' Hall.	Marc.Sh.&Gen.Sl.,M.	Crooked Lake (New York)	Palæont. New York, v. pl. 71.
Marcellense,' Vanux.	Marcell. Shale, M. ...	New York	" " " "
ornatum,' Hall.	Ham., Portage Gr ^p , Chem., M., U.	"	" " " "
ovatum, Münster.	Clymen. Limest., U...	Schübelhammer (Franconia).....	Beiträge &c. iii. 70.
Partschii, " "	" " " " " "	" " " "	" " " "
proerescens, " "	" " " " " "	" " " "	" " " "
pyriforme, " "	" " " " " "	" " " "	iii. 69.
semistriatum, " "	" " " " " "	" " " "	" " " "
tetragonum, " "	Bright Clym. L'st., U.	" " " Geiser ...	iii. 71.
ventricosum, Sndbrgr.	Cyprid. Sch. & L'st., U.	Oberscheld	Verstein. Nassau, p. 269.
Lutraria , Lamarck, 1817.	Very doubtful in Palæozoic rocks.—Ferd. Römer, Breslau, 1870.		
prisca, Goldf.	M.	Eifel	Trans. G. S. L. n. s. vi. 402.
Lyonsia , Turton, 1822.			
Namona, Ryckholt.	M. ?	Namur (Belgium)	Mélanges Paléont. pt. 2, p. 48.
ovata,' Hall.	M.	New York	?
subcompressa, D'Orb.	L.	Niederlahnstein	Ferd. Römer, Rhineland, p. 79.
substriatula, " "	L.	Daleiden	Das rhein. Ueberg. p. 79.
Macrodon , Lycett.			
Chemungensis,' Hall.	Chem. ....U.	Phillipsburg, Rockville &c. (N.York). Meadville (Penns.), Virg. (Ham. G ^p).	Prelim. Notices, 1869, p. 14.
Hamiltonæ,' " "	Ham. ....M.	Bedford (Ohio), West N. York (passim)	" " p. 16.
Megalodon , Sowerby, 1827.	Megalodus , Goldfuss.		
alutaceus, Goldf.	Limestone, M.	Paffrath	Trans. G. S. L. n. s. vi. 399.
auriculatus, " "	M.	" (Museum Teyler.)	" " " "
bipartitus, F. Römer.	L.	Unkel (Rhenish Prussia)	Das rhein. Ueberg. p. 78.
carinatus, Goldf.	Limestone, M.	Nimes, Couvin, Paffrath, Newton, Ogwell (Devonshire).	D'Hallo, Précis Géol. 1868, p. 576; Morris, Cat. Brit. Foss. p. 209.
concentrica, D'Arch. & Vern.	M.	Paffrath (Rhenish Prussia)	Trans. G. S. L. ser. 2, vi. 400.
cucullatus, Sow.	Upp. Stringoc., M....	Nimes, Bensberg, Elberfeld, Sotenich, Iserlohn, Bradley, Newton, &c.	Siluria, ed. 4, p. 399; Lethæa Geogn. ed. 3, i. 417; Verst. Harz, 1843, p. 24.
curvatus, Krantz.	Spirif. Sandst., L. ...	Menzenberg	Verhandl. d. n. Ver. xiv. Jahrg. Neue.
elongatus, Ad. Römer.	Ferr.Stringoc.L'st.,M.	Elbingerode (Harz)	Palæont. D. & Von M. xiii. 227.
oblongus, Goldf.	Greenst. Tuff, M. ...	Paffrath, Bensberg, Planschwitz, Wil- denfels.	Geinitz, Verstein. Grauwacke Saxony, p. 45.
rhomboideus, " "	Limestone, M.	Paffrath	Trans. G. S. L. n. s. vi. 400.
subcrnatus, Geinitz.	Greenst. Tuff	Plauen (Saxony)	Verstein. Grauwacke Saxony, p. 46.
suboblongus, De Vern.	Limestone	Zadonsk on river Don (South Russia)	Murch., Vern. & Keys, Geol. Russ. ii. 305.
suborbicularis, " "	Spirif. Sandst., L. ...	Kahleberg (Harz)	Palæont. D. & Von M. v. 12.
sulcatus, De Vern. & D'Arch.	L.	Eifel, Ems, Kemmenau (Nassau).....	Trans. G. S. L. ser. 2, vi. 400.
truncatus, " "	Limestone, M.	Paffrath	" " " "
Megalomus , Hall, 1869.			
Canadensis,' Hall ?	.....	?	Palæont. New York, v. pl. 52. fig. 10.
Metoptoma , Phillips, 1836,	= <i>Helcion</i> , with its a	anterior extremity either truncated or	sinuous.—D'Orb.
speciosa, D'Orb.			
Michelia , Adolphus Römer, 1867 ?			
abbreviata, Ad. Römer.	Calceol. Sch., M.	Bochswiese (Harz).....	Palæont. D. & Von M. iii. 74, xiii. 223.
cylindrica, " "	" " M.	" " " "	" " " 73, xiii. 223.
depressa, " "	" " M.	" " " "	" " " 74.
distracta, " "	" " M.	" " " "	" " " "
exaltata, " "	" " M.	" " " "	" " " "
Microdon , Conrad, 1843.			
bellostriatus,' Conrad.	Ham. & Chem., M., U.	Ontario Co., Seneca and Cayuga Lakes, Elmira (New York).	Palæont. New York, v. pl. 73.
complanatus,' Hall & Whitn.	" Shales, M.	Jefferson, Schoharie Co. (New York)...	Prelim. Notices, 1869, pt. 2, p. 32.
gregarius,' " "	" & Chem., M., U.	Courtlandt, Ithaca (New York)	" " " "
tenuistriatus,' " "	" " M.	Fultonham, Canandaigua Lake, &c. (New York).	" " " "
Modiola , Lamarck, 1801.			
acuta, Münster.	U.	Elbersreuth (Franconia)	Beiträge &c. iii. 57.
amygdalina, Phill.	U.	Petherwin	Trans. G. S. L. ser. 2, vi. 399.
angusta,' Hall.	Catskill Gr ^p , U.	New York	XIV. Rep. Regents N. York, p. 40.
bilobata, Münster.	Orthoc. Limest., U....	Elbersreuth.	Beiträge &c. iii. 57.
<i>Mytilus</i> .			
Catskillensis,' Hall.	Catskill Gr ^p , U.	New York	XIV. Rep. Regents N. York, p. 40.
Kahlebergensis, Ad. Römer.	Spirif. Sandst., L. ...	Kahleberg	Palæont. D. & Von M. v. 11.
metella,' Hall.	Chem. Sandst., U. ...	Cattaraugus Co. (New York)	Prelim. Notices, 1869, pt. 2, p. 1.
præcedens,' " "	" " U.	Olean, Alleghany Co. (New York) ..	" " " "
senlaris, Phill.	Limestone, M.	Berry Pomeroy (Devonshire)	Pal. Foss. Devon &c. p. 137.
semistriata, Münster.	Orthoc. Limest., U....	Elbersreuth	Beiträge &c. iii. 57.
squamifera,' Phill.	Calcar. S'st., M. ? L.	Schohar. Co. (N. Y.) (Engl.), Bolland ?	De Vern. Bull. S. G. Fr. n. s. iv. 695.
vetusta, Münster.	Clymen. Limest., U....	Schübelhammer (Franconia), Magwitz (Saxony).	Beiträge &c. iii. 56.
<i>Posidonomya Germanica</i> .			

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
spec. indet., Chevillard.	.....	Mont Revenue, Héricourt (France)...	Bull. Soc. Géol. Fr. n. s. xxiv. 127.
" De Vern.	L.....	Les Courtoisiers (France)	" " " vii. 778.
" Bonissent.	L.....	La-Manche Department (France) ...	D'Arch. Paléont. de France, p. 45.
Modiolopsis , Hall (subgenus).	<i>Cypricardites</i> , Conrad.		
? Bainii, Sharpe.	Sandstone, L.....	Leo Hook (Cape of Good Hope)	Trans. G. S. L. ser. 2, vii. 205.
Catskillensis, UHL.	Catskill Gr., U.....	New York	Palæont. New York, v. pl. 80.
concentricus, Hall?	Ham. Sh. ....M.....	Marcellus (New York)	" " " iii. 196.
perovatus, Meek & Worth.	Ham. ....M.....	White Sulphur Springs (Ohio)	Proc. Acad. Nat. Sci. Phil. 1865, p. 246.
spec. indet., De Vern.	L.....	Mont Géant &c. (the Bosphorus).....	Comptes Rendus, lxi. 1218.
Modiomorpha , Hall, 1869.			
alata?, Hall.	UHL., Chem., L., M., U.....	Ithaca (New York).....	Palæont. New York, v. pl. 41.
alta, Conrad.	Ham. &c....L., M., U.....	Madison and Onondaga Cos., Cayuga Lake (New York).	Prelim. Notices, pt. 2, p. 75.
amygdalina, Winch.	" Chem., M., U.....	Ontario, Broome, and Alleghany Cos. (N. Y.), Burlington (Iowa).	" " " 78.
Catskillensis, Hall.	U.....	New York	Palæont. New York, v. pl. 40.
complanata, UHL.	L.....	Delaware (Ohio), Eastern and Central New York.	" " " pl. 34.
concentrica, " "	Ham., L., M....	Cayuga, Otsego County, Ohio Falls (Kentucky).	Prelim. Notices, pt. 2, p. 73.
cymbula, " "	Ham. (coarse Sand), M.....	East Worcester, Otsego Co. (N. Y.)...	" " " 75.
hyalea, " "	Chem. & Carb., U. ...	Tompkins Co. (N. Y.), Medina (Ohio), Waverley.	" " " 79.
inornata, Billings.	Sandstone, L.....	York river, Gaspé (Canada East) ...	Geol. Surv. Canad. Pal. Foss. part 2, p. 52.
macilenta, Hall.	Ham. & Chem., M., U.....	Yates, Ontario, & Livingston Co* (N. Y.),	Prelim. Notices, part 2, p. 76.
perovata, M. & W.	UHL. ....L.....	Clarence (N. Y.), Columbus (Ohio)...	Palæont. N. Y. v. pl. 41.
planulata, Hall.	Ham. Shale, M.	Schoharie & Madison Counties, Seneca &c. Lakes (N. Y.).	Prelim. Notices, part 2, p. 74.
ponderosa, Hall & W.	UHL. ....L.....	Clarence Hollow, N. Y.....	Palæont. N. Y. v. pl. 34.
quadrula, Hall.	" Waverley, L., M., U.....	Ithaca, Philipsburg, Allegh. Co., N. Y. (micaceous sandst.).	Prelim. Notices, part 2, p. 77.
subulata, Conrad.	Ham. Shale, Chem., M., U.....	Ithaca, Ontario, Onondaga, and Genesee Co*, &c. (N. Y.).	" " " "
Myalina , De Koninck, 1844.			
Bodana, Ad. Röm.	Grey Iberg Limest., U.....	Bergfeld (Harz)	Palæont. D. & Von M. ix. 6.
crassa, Sndbrgr.	Stringoc. Limest., M.....	Vilmar	Verstein. Nassau, p. 281.
fimbriata, Ad. Röm.	" " " M.....	"	" 280.
ornata, Ad. Röm.	Grey Iberg Limest., U.....	Bergfeld	Palæont. D. & Von M. ix. 6.
tenuistriata, Sndbrgr.	Cyprid. Schist, U. ...	Oberscheld (Nassau), Ebersdorf (Silesia), ferruginous.	Verstein. Nassau, p. 280.
spec. (2) indet., Kayser.	Cuboides Schist, U.....	Eifel	Zeitschrift &c. 1871, p. 374.
" " "	Stringoc. Limest., M.....	"	" 368.
" Etheridge.	Hangman Grits, L.....	Holdstone? (N. Devon)	Quart. Journ. G. S. L. xxiii. 599.
" " "	Limestone, L.....	Challacombe, near Combe Martin (N. Devon).	" " " "
Myoconcha , Sowerby, 1824.	(See Palæont. N. Y. vol. v. <i>James Hall</i> .)		
compressa, Ad. Röm.	Spirif. Sands., L.....	Kahleberg (Harz)	Palæont. D. & Von M. v. 11, xiii. 221.
Mytilarca , Hall, 1869.			
arenacea, Hall.	Schohar. Grit, L. ...	Schoharie village, Albany Co. (N. Y.).	Prelim. Notices, part 2, 1869, p. 20.
attenuata, " "	Chem. ....U.....	Elmira (N. Y.)	" " " 23.
Canadensis, Billings.	UHL. ....L.....	Gaspé Limest. no. 8, Indian Cove, Gaspé, Canada East.	Canada Surv. Pal. Foss. 52.
carinata, Hall.	Chem. ....U.....	"	Palæont. N. Y. v. pl. 32.
Chemungensis, Conrad.	Ham. & Chem., M., U.....	Philipsburg, Rockville, Chemung Narrows (N. Y.), &c.	Prelim. Notices, part 2, p. 23.
fibristriata, W. & W.	Yellow Sands, U. ...	Burlington (Iowa).....	" " " 24.
nitida, Billings.	UHL. Limes., L. ...	Limest. no. 8, Indian Cove, Gaspé ...	Canad. Surv. Pal. Foss. ii. 53.
occidentalis, " "	Yellow Sandst., U....	Burlington (Iowa)	Prelim. Notices, part 2, p. 24.
oviformis, Conrad.	Ham. Shale, M.....	Cayuga and Canandaigua Lakes, and Central N. Y.	" " " 21.
ponderosa, Hall.	UHL. ....L.....	Helderberg Mountains, Clarence Hollow (N. Y.), Columbus (Ohio).	" " " "
radiata, " "	Chem. ....U.....	New York	Palæont. N. Y. v. pl. 32.
triqueter, Conrad.	Ham. ....M.....	Oneonta, Fultonham, Schoharie Co., Lewis's quarry, Chenango (N. Y.).	Prelim. Notices, part 2, p. 22.
spec. indet., Hall.	Schohar. Grit, L. ...	New York	Palæont. New York, v. pl. 80.
Mytilus , Linnaeus, 1758, = Cardium .			
antiquus, Goldf.?	Spirif. Sand., L.....	Ems, Prussino, Isborsk riv. Menzenberg	Murch., Vern. & Keyserl. Geol. Russ. ii. 390.
aviculoides, Vern.	Limestone, M.	Upper valley of Velicaya (Livonia) ...	Grewingk, Geol. Livonia &c.
costatus, Münst.	Clymen. Limest., U.....	Schübelhammer	Beiträge &c. iii. 55.
cuspidatus, " "	" " " U.....	" Elbersreuth.....	" " " "
Damnoniensis, Phill.	Limestone, M.	Newton Bushel	Pal. Foss. Devon, p. 37.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Devonicus, Geinitz.	Clymen. Limest., U.	Gattendorf	Verstein. Grauwacke Sax. 1861, p. 49.
diinidiatus,' Goldf.	M., U.	Eifel, Chillon, Puerto del Cierro,	Bull. Soc. Géol. Fr. n. s. xii. 190,
Inoceramus Chemungensis, Conrad.		Sierra Morena, Chemung Narrows (N. Y.).	1015.
Floenianus, Ryckholdt.	M. ?	? Visé (Belgium)	Mém. Couronné, 1852, xxiv. 133.
Ibergensis, Ad. Röm.	Iberg Limest., L.	Grund	Palæont. D. & Von M. ix. 6, xiii. 230.
intumescens, " "	U.	"	iii. 32, "
irregularis, Münt.	Clymen. Limest., U.	Presseck near Hof	Trans. G. S. L. n. s. vi. 399.
Le Feburianus, Ryckholdt.	M. ?	Visé (Belgium)	Mélang. Pal. xx. 134.
minimus ?, Hoeninghaus.	Limestone, M.	Paffrath	Trans. G. S. L. n. s. vi. 399.
Namurcanus, Ryckholdt.	Schist .....U.	Namur	Mém. Couronné, p. 86.
Nerei, Münster.	Clymen. Limest., U.	Presseck	Beiträge &c. iii. 55.
obliquus, " "	U.	Geiser	"
obesianus, Ryckholdt.	Schist .....M., U.	Namur	Mélang. Pal. 2nd part, p. 86.
priscus, Goldf.	M.	Eifel	Trans. G. S. L. ser. 2, vi. 399.
psammites, Richter.	Limestone, M.	Thuringia	Palæont. Thüring, p. 39.
radiatus, Münt.	Clymen. Limest., U.	Schübelhammer, Gattendorf, Desert- create (Irel.).	Beiträge &c. iii. 56; Verstein. Grauwacke Sachs. p. 48 (Geinitz).
Rathieri, Rouault.	M.	Gahard, Izé (France)	Bull. Soc. Géol. Fr. n. s. viii. 389.
substriatus, Münt.	Clymen. ....U.	Schübelhammer	Beiträge &c. iii. 56.
subsulcatus, " "	Orthoc. ....U.	Elbersreuth	"
uncinatus, ? Eichw.	Pentam. Limest.	Bogoslovsk (North Ural)	Lethæa Rossica, p. 981.
Nyassa , Hall, 1869.	Subgenus of MODIOLOPSIS, Hall.	New York	Palæont. N. Y. v. pl. 53.
arguta,' " "	Ham. ....M.	Schoharie, Otsego, Madison Counties, and Pratt's Falls (N. Y.).	Prelim. Notices, part 2, p. 28.
elliptica,' " "	UHL. ....L.	Stafford, Genesee Co. (N. Y.), Columbus (Ohio).	" " " 30.
recta,' " "	Ham. Shales, M.	Summit, Schoharie Co. (N. Y.)	" " " 29.
subulata,' " "	M.	" and Fultonham (N. Y.)	" " " "
Omalia , Ryckholdt.	U.	Marienburg	Mélang. Pal. 2nd part, p. 74.
elegans, Ryckholdt.			
Orthonota , Conrad, 1838.	Ham. Shales, M.	Schoharie Co., Tinker's Falls, Onond. Co. (N. Y.).	Vanux. Geol. N. Y. p. 162.
carinata,' Hall.	M.	Schoharie (N. Y.)	Prelim. Notices, part 2, p. 89.
ensiformis,' " "	M.	Fultonham and Summit, Seneca Lake &c. (N. Y.).	" " " 88.
parvula,' " "	M.	Schoharie Co., south part	" " " 89.
siliquoidea,' Conrad.	Marcellus Shale, M.	" Fultonham and Summit, small Lakes of N. Y.	" " " 87.
undulata,' Conrad.			
Palanatina , Hall, 1869.	Chem. (Conglomer. & Sand.), U.	Portville, Cattaraugus Co. (N. Y.), Ceres, M'Kean Co. (Pennsylv.).	" " " 84.
typa,' Hall.	L., M., U.	?	Palæont. N. Y. v. pl. 79.
quadrata,' N. & P.			
Palæoneilo , Hall, 1866.	Nuculites (Conrad in part).	Elmira (N. Y.)	Prelim. Notices, part 2, p. 10.
bisulcata,' Hall & W.	Chemung...U.	Franklin, Delaware Co. (N. Y.)	" " " "
brevis,' Hall.	" Calcar Sand, U.	Moravia, Cayuga Co., Ithaca (N. Y.), &c.	" " " 7.
constricta,' Conrad.	Ham., Chem., M., U.	New York	Palæont. N. Y. v. pl. 48.
var. flexuosa,' Conr., Hall.	M., U.	Associated with <i>Pal. fecunda</i> (N. Y. &c.).	Prelim. Notices, part 2, p. 7.
emarginata,' Conrad.	Shales, M.	Cayuga, Seneca, and Canand. Lakes, Darien, Moscow, Cumberland (Maryland), Hardy Co. (Virginia).	" " " 8.
fecunda,' Hall.	M.	Ithaca, Cortlandt village (N. Y.)	" " " 10.
filosa,' Conrad.	Chem. ....U.	Summit, Fultonham, Schoharie Co., Cayuga Lake (N. Y.).	" " " 9.
maxima,' " "	Ham. Shales, M.	Skeneateles, Seneca, and Canandaigua Lakes, &c., Cumberland (Maryland).	" " " 8.
muta,' Hall.	" " M.	Fultonham, Summit, Cayuga, &c. Lakes (N. Y.).	" " " 12.
? perplana,' " "	" " M.	Otsego Co., Cayuga, Seneca, and Canandaigua Lakes.	" " " 7.
plana,' " "	" " M.	York, Moscow, Cayuga, Seneca, and Canandaigua Lakes.	" " " 9.
tenuistriata,' " "	" " M.	Louisv., Kentucky, Fultonham (N. Y.).	Palæont. N. Y. v. pl. 72.
Paracyclas , Hall, 1869 ?	UHL., Ham., L., M.	Clarence, Leroy (N. Y.)	" " " "
lirata,' Hall.	L.	Clarke Co. (Indiana)	" " " "
elliptica,' " "	L.	Meadville (Pennsylv.)	" " " "
var. occidentalis,' " "	Chem. ....U.		" " " "
spec. indet., " "			
Pholadella , Hall, 1869.	Chem. ....U.	Ithaca, New York	Prelim. Notices, part 2, p. 64.
ornata,' Hall.	Ham. Shales, M.	Schoharie Co., Fabius, Onondag. Co. (N. Y.).	" " " 63.
radiata,' " "	M.	Delphi Falls, Onondag. Co., Cayuga Lake (N. Y.).	" " " 64.
truncata,' " "	M.	New York, Eifel, Paffrath (same horiz.).	
Pholadomya , Sowerby, 1826.	Ham. ....M.		
loricata,' Goldf.			
<i>Cardium</i> .			

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Munsteri, D'Archiac & Vern.	M.	Eifel, Bensberg	Trans. G. S. L. ser. 2, vi. 402.
<i>Anatina</i> , radiata, Goldf.	M.	"	" " "
Phthonia, Hall, 1869.			
nodicostata, Conrad.	Ham. Shales, M.	Cayuga and Canandaig. Lakes (N. Y.)	Prelim. Notices, part 2, p. 71.
sectifrons, Conrad.	" M.	Madison Co., Canandaig. Lake (N. Y.)	" " 70.
Pleurophorus, King, 1847.	(Eight species in Car	boniferous formation.)	
Camellosus, Zeiler & Wirtgen.	Spirif. Sand., L.	Niederlahnstein, Magey (Haute Saône).	Verstein. Nassau, p. 267.
Pleurohynchus. See C	onocardium.		
Prothyris, Conrad, 1843?			
pygmæa, Conrad.	Ham. M.	New York	Palæont. N. Y. v. pl. 76.
spec. indet., Hall.	" M.	"	" " "
Ptychodesma, Hall, 18			
Knappiana, Hall.	UHL. ? ... L.	Louisville, Kentucky	" " 51.
Sanguinolaria, Lamarck, 1799; M' Coy (the gen	eric name used in Europe most often).		
equalis, Richter & Unger.	Cyprid. Schist, U.	Thuringia	Leonh. & Br. Neues Jahrb. 1856, p. 626.
amygdalina, Ad. Röm.	Calceol. Schist, M.	Rammelsberg	Palæont. D. & Von M. xiii. 206.
angustata, Goldf.	" L., M.	Eifel, Peredki (Bolland. Carb.)	Trans. G. S. L. ser. 2, vi. 402.
calceola, Ad. Röm.	Calceol. Schist, M.	Festenburg (Harz)	Palæont. D. & Von M. xiii. 223.
carinata, Goldf.	" L.	Westerwald (Nassau)	Trans. G. S. L. n. s. vi. 402.
compressa, " M.	"	Eifel	" " "
curvatolineata, Krantz.	Spirif. Sand., L.	Menzenberg (Rhenish Prussia)	Verhandl. Vers. xiv. Jahr. &c., p. 162.
dorsata, Goldf.	" " Ham.	Eifel, Menzenberg, New York	Bull. Soc. Géol. Fr. n. s. iv. 697 (Vern.); Krantz, Verhandl. Ver. xiv. &c. p. 150.
elliptica, Ad. Röm., Phill.	Spirif. Sand., Ham.	Kahleberg, Thuringia, Lanlake, Yelm	Palæont. D. & Von M. xiii. 221; Pal. Foss. Devon, p. 34.
gibbosa, Goldf.	" M., U.	Eifel, Thuringia, Altenahr (Rhen. Prus.)	Trans. G. S. L. ser. 2, vi. 402.
lævigata, " M.	"	"	" " " "
lamellosa, " M.	"	"	" " " "
lata, Krantz.	Spirif. Sand., L.	Menzenberg	Krantz, Verhandl. xiv. &c. p. 150.
lirata, D'Orb.	" U.	Pilton (N. Devonsh.)	Phill. Palæoz. Foss. Devon, pl. 58.
obovata, Münt.	Clymen. Limest., U.	Schübelhammer	Beiträge &c. iii. 73.
phaseolina, Goldf.	" M.	Eifel (Museum Teyler.)	Trans. G. S. L. n. s. vi. 402.
pygmæa, " U.	"	Schübelhammer	D'Orb. Prodrôme, i. 81.
Roemeri, Vern.	" L.	Kahleberg (Sandst.)	Murch., Vern. & Keyserl. Geol. Russ. ii. 300.
soleniformis, Goldf.	Green Sandst., L.	Perques (France), Altenahr, Sieben-	Mém. Soc. Hist. Nat. Cherb. x. 176; Naumann, Lehrb. p. 383.
striata, " U.	"	Regnitzlosau (Bavaria)	D'Orb. Prodrôme, i. 76.
sulcata, Münt.	Clymen. Limest., U.	Petherwin, Combe, Altenahr, Schübel-	Beiträge &c. iii. 72; Phill. Palæont. Foss. Devon, p. 34.
tellinaria, Goldf.	Spirif. Sand., L.	Menzenberg, Eifel	Trans. G. S. L. ser. 2, vi. 402.
trigona, Münt.	" U.	Elbersreuth	Beiträge &c. iii. 73.
truncata, Goldf.	" M.	Eifel	Trans. G. S. L. ser. 2, v. 402.
undata, Münt.	Clymen. Limest., U.	Schübelhammer	Beiträge &c. iii. 73.
Ungeri, Ad. Röm.	Spirif. Sand., L.	Rammelsberg quarry	Verstein. Harz, 1843, p. 26.
unioniformis, Snbrgr.	Orthoc. Sch., L.	Singhofen (Eifel, in Avicula Schist)	Nassau, p. 253.
spec. indet., Verneuil.	" M.	Vilmar (Nassau)	Goldfuss, Foss. German. pl. 159.
Sanguinolites, M' Coy, 1844.	Generic named	much used in America = to SANGUIN	OLARIA.
acutus, Hall.	Ham. Shale, M.	Canandaigua Lake and in Schoharie Co.	Prelim. Notices, part 2, p. 37.
arceformis, " M.	"	Delphi, Onondag. Co. (N. Y.)	" " " 40.
carinatus, Conrad.	" M.	Oneonta (N. Y.)	" " " 13.
clavulus, Hall.	Chem. U.	Olean, Catteraugus Co., Porterville, Allegh. Co. (N. Y.)	" " " 45.
corrugatus, Sharpe.	Sandstone ... L.	Leo Hook (Cape of Good Hope)	Trans. G. S. L. ser. 2, vii. 205.
cuneatus, Conrad.	Ham. Shale, M.	Oneonta, Otsego Co., Cayuga and Canandaigua Lakes, &c.	Prelim. Notices, part 2, p. 37.
glaucus, Hall.	" " M.	Kellogsville, Lebanon (N. Y.)	" " " 38.
Hamiltonensis, " M.	"	New York (passim)	" " " 36.
Hannibalensis, Winch.	Chem. U.	Panama (N. Y.)	Proc. Acad. Nat. Sc. Philad. 1865, p. 128.
Ida, Hall.	Ham. Shale, M.	Genesee, Cayuga Lake (N. Y.)	Prelim. Notices, part 2, p. 43.
pelagicus, Goldf.	" M. ?	Eifel	Trans. G. S. L. ser. 2, vi. 375.
perangulatus, Hall.	Schohar. Grit, L.	Schoharie Village (N. Y.)	Prelim. Notices, part 2, p. 35.
? ponderosus, " UHL.	" L.	Clarence Hollow	" " " "
rigida, White & Wh.	Chem. U.	Phillipsburg, Rockville, Allegh. Co. (N. Y.), Chataugue and Cattaraugus Counties, Burlington (Iowa).	" " " 44.
rugosus, Conrad.	Ham. Shales, M.	Schoharie Co., Cayuga and Canandaig. Lakes.	" " " 37.
Sanduskyensis, Meek.	Cornif. Limest., L.	Dublin, Franklin Co. (Ohio)	Proc. Ac. Nat. Sc. Philad. 1871, p. 68.
solenoides, Hall.	Ham. M.	Summit Town, Darien, Ludlowville, &c.	Prelim. Notices, part 2, p. 38.
strigatus, Winch.	Chem. U.	Pointaux Barques, Huron Co. (Michig.)	Proc. Acad. Nat. Sc. Philad. 1865, p. 128.
subtortuosus, Hall.	Ham. Shale, M.	York, Livingstone Co. (N. Y.)	Prelim. Notices, part 2, p. 42.
sulciferus, Winch.	Yellow Sand., M., U.	Little Traverse Bay (Michig.), Burlington (Iowa).	Proc. Acad. Nat. Sc. Philad. 1863, p. 14.
Tethys, Billings.	Limest. No. 8, L.	Grand Grève, Gaspé (Canada East)	Canada Surv. Pal. Foss. part 2, p. 50.

Genus, Species, and Author.		Subdivision.	Locality.	Reference.
truncatus,'	Hall.	Ham. Shale, M.	Schoharie Co. only? (N. Y.).....	Prelim. Notices, part 2, p. 42.
undatus,'	"	UHL. ....L., M., U.	Elmira(N.Y.) &c.(in soft micac ^s layers)	Palæont. N. Y. v. pl. 80.
Ungeri,	Ad. Röm.	Chem. Sandst., L. ...	Kahleberg	Verstein. Harz, 1843, p. 26.
Schizodus , King, 1844.	Conrad.	Axinus , Sowerby (p	ars). Myophoria , Gränewaldt.	
appressus,'	Conrad.	Ham. ....M.	Pratt's Falls, Onondag. and Madison Counties (N. Y.).	Prelim. Notices, part 2, p. 95.
Cayuga,'	Hall.	" Shale, M.	Ogden's Ferry, Cayuga Lake (N. Y.)	" " " 96.
Chemungensis,'	Conrad.	Chem. ....U.	Chemung Narrows (N. Y.)	" " " 96.
cuneus,'	Hall & W.	Ham. Shale, M.	Cayuga Lake (N. Y.).....	Palæont. N. Y. v. pl. 75.
Devonicus,	Vern.	Cyprid. Sch., U.	Bjleff, near Boureghi (Gov. Novgorod).	Murch., Vern. & Keyserl. Geol. Russ. ii. 310.
deltoideus,	Phill.	Sandst. ...U.	Baggy Point, Marwood, N. Devonsh.	M'Coy, Br. Pal. Foss. p. 396.
ellipticus,'	Hall.	Ham. Shale, M.	Canandaigua Lake (N. Y.)	Prelim. Notices, part 2, p. 96.
gregarius,'	"	?	New York (undescribed, but named).	" " " 97.
oblatas,'	?	?	" " " " "	" " " 96.
quadrangularis,'	?	?	" " " " "	" " " 97.
rhombeus,'	?	?	" " " " "	" " " 97.
trigona,	Goldf.	M.	Ronneberg (Rhen. Pruss.), river Duna (Livonia).	Grewingk, Livonia &c. p. 39.
tumidus,'	Hall.	UHL. ....L.	Cayuga(Canada W.), Columbus (Ohio).	Prelim. Notices, part 2, p. 94.
spec. indet.,	Grewingk.	.....	River Velicaya (Livonia)	Grewingk, Livonia &c. p. 32?
Solen , Linnaeus, 1758,= Solenopsis .	Sndbrgr.	Spirif. Sands. & Avic. Sch., L.	Singhofen (Eifel)	Verst. Nassau, p. 252.
costatus,	Sndbrgr.	Spirif. Sands. & Avic. Sch., L.	Singhofen (Eifel)	Verst. Nassau, p. 252.
Lustheidei,	D'Archiac.	L.	Lustheide (Rhen. Prussia)	Trans. G. S. L. ser. 2, vi. 376.
pelagicus,	Goldf.	M. ?	Eifel	" " " 375.
priscus,'	Winchell.	Chem. ....U.	UnionBranchCo.(Michig.), blue shales	Proc. Acad. Nat. Sc. Philad. 1862, p. 423.
vetustus,	Goldf.	L.	Menzenberg, Eifel	Krantz, Verh. Ver. xiv. &c. p. 423; Petref. German. pp. 160, 270?
spec. indet.,	Kayser.	Stringoc. Limest., M.	Eifel	Zeitschrift &c. 1871, p. 363.
Solenella , Sowerby.	Sharpe.	Sandstone, L.	Leo Hook, Cape of Good Hope	Trans. G. S. L. n. s. vii. 205.
antiqua,	"	L.	" " " " "	" " " "
rudis,	"	L.	" " " " "	" " " "
Solenomya , Lamarck, 1819.	Blainville; Phillips.	Janeia ?		
Devonica,	Ryckholdt.	M.	Eifel, Paffrath (Rhen. Prussia)	Mélang. Pal. 2nd part, p. 51.
vestusta,	Meek.	Cornif. Limest., L.	Dublin, Franklin Co. (Ohio)	Journ. Acad. Nat. Sc. Philad. 1871, p. 66.
Tellina !, Linnaeus, 1758. No true Tellina in Palæozoic Rocks.—Ferd. Römer.	Krantz.	L.	Menzenberg	Verhandl. xiv. Jahr. Neue Folge, iv. 162.
bicostata,	Ad. Röm.	Wissenb. Sch., M.	Langenberg (Harz)	Palæont. D. & Von M. iii. 15.
clathrata,	"	Spirif. Sandst., L. ...	Kahleberg (in nodules)	Verstein. Harz, 1843, p. 25.
inflata,	Goldf.	L.	Kemmenau (Nassau)	Trans. G. S. L. ser. 2, vi. 402.
obliqua,	Hall.	Ham. ....M.	New York	XIV. Rep. Regents N. Y. p. 30.
ovata,'	Hall.	Ham. ....M.	New York	XIV. Rep. Regents N. Y. p. 30.
<i>Lyonsia</i> .				
Tellinopsis , Hall, 1869.	Conrad.	Ham. Shale, M.	Fultonham, Cayuga, Skeneateles, Canandaig. Lakes, Cumberland Co. (Maryland), Hardy Co. (Virginia).	Prelim. Notices, 1869, part 2, p. 88.
submarginata,'	Conrad.	Ham. Shale, M.	Fultonham, Cayuga, Skeneateles, Canandaig. Lakes, Cumberland Co. (Maryland), Hardy Co. (Virginia).	Prelim. Notices, 1869, part 2, p. 88.
Thetis , Sowerby, 1826. Poromya , Edw. Forbes.	Ad. Röm.	Spirif. Sandst., L. ...	Kahleberg	Verstein. Harz, 1843, p. 26.
? trigona,	Ad. Röm.	Spirif. Sandst., L. ...	Kahleberg	Verstein. Harz, 1843, p. 26.
Trigonia ?, Bruguière, 1791. No palæozoic Trigonia .—Ferd. Römer.	Goldf.	L.	Kemmenau by Ems (Nassau)	Trans. G. S. L. ser. 2, vi. 400.
sulcata ?,	Goldf.	L.	Kemmenau by Ems (Nassau)	Trans. G. S. L. ser. 2, vi. 400.
Trochonema .	Meek.	Cornif. Limest., L.	Marblehead (Ohio)	Proc. Ac. Nat. Sc. Philad. 1871, p. 82.
tricarinata,'	Billings.	Subgenus of CYRTODONTA,	Billings, 1858.	
Vanuxemia , Billings.	Billings.	Cornif. Limest., L.	St. Mary's, Blanchard Township (Canada W.).	Canada Journ. n. s. vi. 357; Geol. Canada, 1863, p. 375.
Tomkinsi,'	Billings.	Cornif. Limest., L.	St. Mary's, Blanchard Township (Canada W.).	Canada Journ. n. s. vi. 357; Geol. Canada, 1863, p. 375.
Venulites , Schlotheim, 1820.	Ferd. Röm.	Limestone, L., U. ...	Daleiden, Houffalisse, Thüringerwald.	Richter, Pal. Thüring. p. 39; D'Om. d'Hallo, Précis Géol. p. 375.
concentrica,	Ferd. Röm.	Limestone, L., U. ...	Daleiden, Houffalisse, Thüringerwald.	Richter, Pal. Thüring. p. 39; D'Om. d'Hallo, Précis Géol. p. 375.
Venus , Linnaeus, 1758.	Krantz.	Spirif. Sandst., L. ...	Menzenberg	Verhandl. Ver. xiv. &c. 162.
elevata,	Ad. Röm.	" " " " "	Kahleberg, in nodules	Verstein. Harz, 1843, p. 25.
prisca,	"	Stringoc., M., Iberg Limest., U.	Weinschenke by Buntebock, Menzenberg.	Palæont. D. & Von M. iii. 227; Verhandl. Ver. xiv. &c. 162.
subglobosa,	"	Stringoc., M., Iberg Limest., U.	Weinschenke by Buntebock, Menzenberg.	Palæont. D. & Von M. iii. 227; Verhandl. Ver. xiv. &c. 162.

SUBKINGDOM MOLLUSCA. NUCLEOBRANCHIATA. GROUP HETERO-PTEROPODA.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Bellerophon , Montfort, 1808.	Bucania , Hall.	Euphemus , McCoy.	
acutus, Münst., Ad. Röm.	Iberg Limest., U.	Elbersreuth, Grund	Münst. Beiträge, iii. 90; Verst. Harz, 1843, p. 32.
acutilira,' Hall?	Ham. Sh...M.	Hamilton (N. Y.)	XV. Rep. Regents N. Y. p. 56.
alutaceus, Ad. Röm.	Clymen. Limest., U.	Grund (Harz)	Palæont. D. & M. xiii. 230.
apertus,' Sow.	M.	Ledbury (Engl. Sil.?), Eifel, New York (Vern.)	Trans. G. S. L. ser. 2, vi. 386.
armatus, Vern.	Marly Limest., M.?	Prussino, riv. Volkhof, Tehudovo	Helmersen, Beiträge, p. 102.
bilobatus, Sow.	L.?, M.	Bain Lake (Brittany), Vitre (Ille et Vilaine)	Bull. Soc. Géol. Fr. n. s. vi. 321.
var. acutus, Sndbrgr.	L.	Lauback, Winnengen, Daun, Kahleberg, Huthales, Niederlahnstein.	Ferd. Röm. Pal. D. & M. iii. 16.
„ tumidus, „	Diabase Tuff, Pterinea Sch., L.	Fachingen, Altenhausen, Holzappel	Verstein. Nassau, p. 177.
„ typus, „	„	Magwitz, Planschwitz, Singhofen	„ Harz, 1843, p. 32.
„ α., Phill.?	U.	Baggy Point (N. Devon)	Pal. Foss. Devon, p. 107.
„ β., Phill.	Sandstone, L.	Meadsfoot (S. Devon)	„ „
„ γ., „	Limest. in Slate, L.	South Petherwin (Cornwall)	„ „
brevilineatus,' Conrad.	Ham. M.	New York	Vanux. Geol. N. Y. p. 163.
carinatus, Fischer.	L.	Ussinski, Kurgan (Russia)	Pacht. Untersuch. 1855, p. 177.
<i>Cyrtolites</i> .			
compressus, Sndbrgr.	Orthoc. Limest., L.	Wessenberg	Verstein. Nassau, p. 180.
cornu-arietis, Sow.	L.	Kemmenau, Podolsk, Stobolinskoi	Trans. G. S. L. n. s. vi. 387.
cultratus, D'Orb.	M.?	Eifel	„ „
<i>Cyrtolites</i> .			
curvilineatus,' Conrad.	Schoh. Grit, Onondag. Limest., L.	Schoharie Co. and Helderberg Mounts.	XV. Rep. Regents N. Y. p. 54.
decussatus, Vern., Fleming.	Stringoc. Limest., M.	Depart. La Sarthe (France), Vilmar, Oranienstein.	Sndbrgr. Verstein. Nassau, p. 181.
Delanoue, Rouault.	M.	Gahard, Izé (Ille et Vilaine)	Bull. Soc. Géol. Fr. n. s. viii. 386.
dorsualis, Eichw.	Marly Limest., M.	Boureggi, Staraja-Roussa	Letbae Rossica, ii. 1090.
Edouardii, D'Orb.	„	Eifel?	Trans. G. S. L. ser. 2, vi. 387.
<i>Porcellia</i> .			
elegans, „	Limestone, M.	Paffrath (Rhen. Prussia)	„ „
decussatus, Sow.	U.	Grund	Verstein. Harz, 1843, p. 32.
expansus, „	„	?	?
geniculata, Vern.	L.	La Manche (France)	D'Arch. Paléont. de France.
Gervillii, Sow.	L.	Tehudova, Grasi, Prussino &c., Pilton, Kaldenberg, Schalke.	Helmersen, Beiträge &c. 1858, p. 102; Murch., Vern. & Keyserl. Geol. Russ. ii. 392; Ad. Röm. Verstein. Harz, 1843, p. 32.
globatus, „	„	„	Trans. G. S. L. ser. 2, vi. 387.
Goldfussi, D'Orb.	M.	Eifel	Palæont. D. & M. v. 14.
Goslariensis, Ad. Röm.	Spirif. Sandst., L.	Kahleberg (Harz), Rammelsberg	Trans. G. S. L. ser. 2, vi. 387.
granosus, Billings.	U.	Chimay (Belgium)	Verstein. Nassau, p. 178.
Hupschii, De France.	Orthoc. Sch., L.	Wissenbach (Nassau)	Palæont. D. & M. xi. 312.
latefasciatus, Sndbrgr.	Spirif. Sandst., L.	Usa-Thal near Bad-Nauheim	XV. Rep. Regents N. Y. p. 59.
latefasciolatus, „	„	Hamburg, Lake Erie (N. Y.)	Zeitschr. &c. Berlin, xxi. 267; Sndbrgr. Verstein. Nassau, p. 179.
leda,' Hall.	Ham. M.	Nowa Slupia (Poland), Vilmar, Oranienstein, Paffrath, Newton Bushel, Plymouth.	„ „
lineatus, Goldf.	Stringoc. Limest., M.	Fultonham (N. Y.)	XV. Rep. Regents N. Y. p. 59.
lyra,' Hall.	Ham. Shales, M.	Kahleberg	Verstein. Harz, 1843, p. 32.
macromphalus, Ad. Röm.	Spirif. Sandst., L.	Laubach, Unkel	„ Nassau, p. 182.
macrostoma, „	L.	Wissenbach	Palæont. D. & M. xiii. 225.
Murchisoni, D'Orb.	Wissenb. Sch., M.	„	Trans. G. S. L. ser. 2, vi. 387.
striatus, var., D'Arch. & Vern.	L.	„	XV. Rep. Regents N. Y. p. 60.
Otsegoensis,' Hall.	Ham. Sh...M.	Otsego and Schoharie Cos. (N. Y.)	Proc. Acad. Nat. Sci. Phil. 1871, p. 62.
Newberryi,' Meek.	Cornif. Limest., L.	Dublin, Franklin Co. (Ohio)	„ „
<i>Cyrtolites</i> .			
Pailletti, D'Orb.	„	Col d'Ogassa, Catalonia (Spain)	Prodrome, i. 58.
patulus,' Hall.	Ham. Sh...M.	Schoharie Co. and Hamilton, New Berlin (N. Y.)	XV. Rep. Regents N. Y. p. 57.
Pelops,' Hall.	Schohar. Grit, L.	Schohar. Co., Clarence Hollow (N. Y.), Brownsville (Ohio).	„ „ p. 56.
plenus,' Billings.	Limest. No. 8, L.	Indian Cove, Gaspé (Can. East)	Can. Surv. Pal. Foss. ii. 62.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Polonicus, Ferd. Röm.	Black Limestone.....	Dembnie (Silesian Poland)	F. Röm. Geol. Upper Silesia, p. 37.
primordialis, Schloth.	Iberg Limest., U.	Grund	Verstein. Harz, 1843, p. 31.
propinquus, Meek.	Cornif. Limest., L.	Dublin (Ohio)	Proc. Acad. Nat. Sci. Philad. p. 78.
quadrilobatus, Salter.	Sandstone, L.	Warm Bokkeveld (S. Africa)	Trans. G. S. L. n. s. vii. 205.
radiatus, D'Orb.	M.	Eifel and Fichtelgebirge (Bavaria) ...	„ ser. 2, vi. 387.
<i>Porcellia retrorsa.</i>			
rudis, Hall.	Ham. Sh....M.	Fultonham (N. Y.)	XV. Rep. Regents N. Y. p. 57.
Sæmanni, Rouault.	M.	Gahard, Izé (Ille et Vilaine).....	Bull. Soc. Géol. Fr. n. s. iv. 385.
striatus, D'Arch. & Vern.	Orthoc. L'st., Stringoc. L'st., Iberg L'st., L., M., U.	Linton (Devons.), Torquay, Plymouth, Grund, Thüringerwald, Bensberg, Vilmar, Oranienstein, Paffrath, Belgien, Davenport (Iowa).	Verst. Nassau, p. 178; Verst. Harz, 1843, p. 32; Pal. Foss. Dev. p. 106; Bull. Soc. Géol. Fr. n. s. iv. 693.
<i>lineatus.</i>			
subcarinatus, Münst.	U.	Elbersreuth (Franconia)	Beiträge &c. iii. 90.
subdecussatus, Vern.	L.	Viré, Calvados (France)	Bull. Soc. Géol. Fr. n. s. vii. 778.
subglobatus, M'Coy.	L., U.	Woodabay, Pilton, Marwood, Baggy Pt.	Trans. G. S. L. n. s. vi. 387.
Thalia, Hall.	Ham. Sh....M.	York and Pratt's Falls (N. Y.).....	XV. Rep. Regents N. Y. p. 60.
tripartitus, Ad. Röm.	Spirif. Sandst., L.	Schalke (Harz)	Palæont. D. & M. xiii. 221.
tuberculatus, D'Orb.	Marly L'st., Greenst. Tuif, Stringoc. L'st., Iberg Limest.	Rivs. Vol and Uchta, Paffrath, Goslar, Vilmar, Oranienstein, Planschwitz, Magwitz, Grund, Esneux, Férussac.	Lethæa Ross. ii. 1089; Verst. Nassau, p. 181; Palæont. D. & M. iii. 33; Siluria, ed. 4, p. 399.
unisulcata, Conrad.	.....	State of New York	XIV. Rep. Regents N. Y. p. 103.
Urii, Fleming.	Spirif. S'st. &c., L., U.	Kahleberg (in nodules), Pilton, Baggy Point (Michigan).	Verstein. Harz, 1843, p. 32; Bull. S. G. Fr. n. s. iv. 693; Phill. Pal. Foss. Devon, p. 106.
Volkhofensis, D'Arch. & Vern.	U.	Prussino on river Volkhof	Trans. G. S. L. ser. 2, vi. 387.
Wenlockensis?, Fleming.	Limestone, M.	Newton Bushel (S. Devons.)	Phill. Pal. Foss. Devon, p. 106.
Woodwardi, Phill.	M.	„ „ „ „ „ „	p. 107.
spec. indet., Vern.	L.	Viré (Calvados)	Bull. Soc. Géol. Fr. n. s. vii. 779.
„ D. D. Owen.	M.	Rockingham (Iowa)	Geol. Rep. Minnesota &c. p. 624.
„ Winchell.	UHG. ....L.	Michigan	Geol. Rep. Michig. 1861, p. 65.
„ Vern.	L.	Guadalperal, Vallenebrillo (Spain) ...	Bull. Soc. Géol. Fr. n. s. xii. 1015.
„ „	L.	La-Sarthe Department (France)	D'Arch. Paléont. de France.
„ „	L.	Kanlydja (the Bosphorus)	Prince Tchihatch. Travels Asia Minor, Appendix, p. 30.
„ Ad. Röm.	Wissenb. ....M.	Ziegenberg Teiche, Festenberg (Harz).	Palæont. D. & M. iii. 80.
Bucania, Hall, 1846.			
trilobata, Dawson.	Oriskany Sandst., L.	Nova Scotia	Canad. Natural. v. 140.
Cleodora, Persoon and Lessing, 1810.			
curvata, Ludwig.	Spirif. Sandst., L.	Oppershofen (Wetterau)	Palæont. D. & M. xi. 323.
longissima, „	„ „ L.	„ „ „ „ „ „	„ „ „ 322.
striata, „	„ „ U.	Burg-Solms on the riv. Lahn (Nassau).	„ „ „ 322.
ventricosa, „	„ „ L.	Oppershofen	„ „ „ 323.
Coleopriion, Sandberger, 1847.			
brevis, Ludwig.	Cramenzel Gr ^p , U....	Mandersbach, Pauschenberg Mühle ...	„ „ „ 322.
gracilis, Sndbrgr.	Spirif. S'st., Stringoc. Limest., L., M.	Coblentz, Niederlahnstein, Kemmenau, Singhofen (Avic. Sch.), Kahleberg.	„ „ „ ; Verstein. Nassau, p. 247.
Conularia, Miller, 1818.			
acuta, Ad. Röm.	Iberg Limest., U.	Grund	Verstein. Harz, 1843, p. 36.
Africana, Sharpe.	Sandstone, L.	Cedarberg (Cape of Good Hope).....	Trans. G. S. L. ser. 2, vii. 205.
Bodana, Ad. Röm.	Iberg Limest., U.	Rübeland (Harz)	Palæont. D. & M. xiii. 212.
Brongniarti, D'Arch. & Vern.	L.	Nehou (La Manche)	Trans. G. S. L. ser. 2, vi. 187.
Byblis, C. A. White.	Chem. Sh., U.	Burlington sandstone, Hickman Co. (bitumen shales).	Boston Nat.-Hist. Soc. ix. 227; Amer. Phil. Soc. Philad. xii. 257.
deflexa-costa, Sndbrgr.	Stringoc. Limest., M.	Vilmar (Nassau)	Verstein. Nassau, p. 243.
elegantula, Meek.	Cornif. Limest., L.	Delaware (Ohio)	Proc. Acad. Nat. Sci. Phil. 1871, p. 85.
Gerolsteinensis, D'Arch. & Vern.	Limestone, M.	Eifel	Trans. G. S. L. ser. 2, vi. 387.
Gervillei, „	Grauwacke, L., M....	Nehou, Kemmenau, Gahard	Bull. Soc. Géol. Fr. n. s. vii. 786.
grandis, Ferd. Röm.	Ham. Clay & Sand, M.	Cazenovia, West N. Y. (passim)	Bronn, Lethæa Geogn. i. 436.
lata, Hall.	Oriskany Sandst., L.	Schoharie Co., Helderb. Mounts. (N. Y.)	Palæont. N. Y. iii. 479.
Marionensis, Swallow.	Ham. Sh....M.	Hannibal &c. (Missouri)	Trans. Acad. Sci. St. Louis, i. 657.
Namurcana, Ryckholdt.	U.	Namur province (Belgium)	Mélang. Pal. pt. 2, p. 201.
Nobleti, Rouault.	Schist	Gahard (Ille et Vilaine)	Bull. Soc. Géol. Fr. n. s. viii. 386.
ornata, D'Arch. & Vern.	M.	Eifel and Refrath	Trans. G. S. L. ser. 2, vi. 387.
pinnata, Ad. Röm.	Calceol. Sch., M.	Harz (north-west)	Palæont. D. & M. iii. 75, xiii. 223.
quadrilobata, T. M. Hall.	L., U.	Frankmarsh Quarry (U.), Cape of Good Hope (L.).	Quart. Journ. G. S. L. ix. 1, For. Mem., xxiii. 397.
subparallela, Sndbrgr.	Spirif. Sandst., L.	Kemmenau, Condethal, Oppershofen..	Verstein. Nassau, p. 243.
<i>Gervillei.</i>			
triplicata, Swallow.	Ham. Sh....M.	Hannibal &c., Marion Co. (Missouri).	Trans. Acad. Sci. St. Louis, i. 657.
undulata, Hall.	„ „ M.	Cherry valley, Solsville, Bridgewater, Cazenovia, &c.	XV. Rep. Regents N. Y. p. 62.
spec. indet., Sharpe.	Sandstone, L.	Cedarberg (Cape of Good Hope).....	Trans. G. S. L. ser. 2, vii. 205.
„ Vern.	L.	Les Courtoisrières (La Sarthe)	Bull. Soc. Géol. Fr. n. s. vii. 779.
„ Swallow.	Ham. Sh....M.	Pike Co. (Missouri)	Geol. Rep. Missouri, i. 178.
„ Etheridge?	Limestone, M.	Ilfracombe, Haggington (N. Devons.).	Quart. Journ. G. S. L. xxiii. 641.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Cyrtolites , <i>Conrad</i> , 1838.			
Boblayei, Rouault.	M.	Gahard	Bull. Soc. Géol. Fr. n. s. viii. 373.
? expansus, Hall.	Oriskany Sandst., L.	Albany and Schoharie Cos.	Palæont. N. Y. iii. 479.
mitellus, " "	Ham. Sh. ....M.	Cazenovia, Madison Co. (N. Y.)	XV. Rep. Regents N. Y. p. 61.
pileolus, " "	M.	Hamilton village, Pratt's Falls (N. Y.)	" "
Maclurites or Maclurea , <i>Emmons</i> , 1843.			
Barrandeii, Vern.	L.	Brulon (La Sarthe)	Bull. Soc. Géol. Fr. n. s. vii. 779.
spec. indet., " "	M.	Rittberg (Upp. Silesia), Olmutz (Sow.)	Quart. Journ. G. S. L. vii. 155.
Porcellia , <i>Leveillé</i> , 1835. A	flattened Pleurotomaria, D'Orbigny.		
armata, Vern.	M. ?	Tschudovo, r. Volkhof, Prussino (Russ.)	MVK. Geol. Russ. ii. 392.
calceola, Ad. Röm.	Calceola Limest., M.	Festenberg	Palæont. D. & M. xiii. 205.
Hercynica, " "	Wissenb. Sch., M.	Ilseburg, Klosterholz	" " 208.
? obliqua-noda, W. & W.	Chem. Sandst., U.	Burlington (Iowa)	Proc. Bost. Soc. Nat. Hist. ix. 21.
parvula, Münst.	U.	Elbersreuth	Beiträge &c. iii. 84.
<i>Bellerophon</i> .			
retrorsa, Münst.	.....	Jolva near Bogoslofsk (Altai), Thuringia, Eifel.	MVK. Geol. Russ. ii. 392.
? striata, Phill.	L, M.	Meadsfoot, Torquay	Etheridge, MS. Catal.
? Symondsii, " "	U.	Pilton, Barnstaple, &c. (N. Devons.)	Quart. Journ. G. S. L. xxxiii. 628.
tuberculosa, Geinitz.	.....	Tegau by Schleiz (Saxony)	Verst. G. wacke Form. Saxony, ii. 86.
Woodwardii, " "	L, M.	Meadsfoot, Torquay, Belgium (U. Dev.)	Phill. Pal. Foss. Devon, p. 107.
Pugiunculus , <i>Barrande</i> , 1847.			
fasciculatus, Sndbrgr.	Orthoc. Sch., L.	Wissenbach (Nassau)	Verstein. Nassau, p. 225.
liges, Hall.	UHL. ....L.	Clarence Hollow (N. Y.)	XV. Rep. Regents N. Y. p. 62.
rimulosus, Sndbrgr.	Orthoc. Sch., L.	Wissenbach	Palæont. D. & M. xi. 312.
subæqualis, Salter.	Ferrug. Sand., L.	Warm Bokkefeld (in nodules)	Trans. G. S. L. ser. 2, vii. 205.
unguiformis, Sndbrgr.	Orthoc. Sch., L.	Wissenbach	Verstein. Nassau, p. 244.
spec. indet., Meek.	Dark Shale, M.	Liard-river mouth, river M'Kenzie, N.N.W. Amer.	Trans. Acad. Sc. Chicago, i. 69 ?
" Sndbrgr.	Spirif. Sandst., L.	Lahnstein, Oppershofen (in nodules)	Verstein. Nassau, p. 246.
" " "	M.	Gahard (Ille et Vilaine)	Bull. Soc. Géol. Fr. n. s. iv.

SUBKINGDOM MOLLUSCA. PROVINCE ODONTOPOPHORA. CLASS GASTEROPODA.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Acrocylia , <i>Phillips</i> , 1841.			
æquilateralis, Hall.	U.	1810. Pileopsis, Lamarch, 1822. Illinois, Indiana, Tennessee, Caney-Fork Falls, Missouri.	Platyceras , <i>Conrad</i> , 1843. Amer. Journ. Sci. xxxii. 174.
Ammon, " "	Cornif. Limest., L.	Darien (N. Y.), Port Colborne (Can. W.)	XV. Rep. Regents N. Y. p. 37.
Argo, " "	UHL. ....L.	Williamsville (N. Y.)	" " 39.
attenuata, Meek.	Cornif. Limest., L.	Seneca and Cayuga Lakes, Genesee; Moscow (N. Y.), Columbus (Ohio).	Proc. Acad. Nat. Sc. Philad. 1871, p. 71; Contrib. to Pal. 1861, p. 2.
Braunii major, Münst.	Clymen. Limest., U.	Schübelhammer, Geiser	Beiträge &c. v. 121.
bucculenta, Hall.	Ham. Shale, M.	York, Moscow (N. Y.)	XV. Rep. Regents N. Y. p. 33.
callosa, " "	Orisk. Sand., L.	Cumberland Co. (Maryland)	Palæont. N. Y. iii. 478.
canalifera, Münst.	U.	Schübelhammer	Beiträge &c. iii. 82.
carinata, Hall.	UHL., Ham., L, M.	Sylvania (Helderberg Mountains), 18-mile Creek; Darien, Pavilion, Canandaig. and Seneca Lakes (N. Y.).	Contrib. to Pal. 1861, p. 5.
cassidea, D'Arch. & Vern.	Grauwacke, L.	Kemmenau, Houffulize, Guadalperal &c., Nehou, Pratt's Falls (N. Y.).	Bull. Soc. Géol. Fr. n. s. xii. 1002; Trans. G. S. L. n. s. vi. 390.
cirriformis, Conrad.	?	New York	XIV. Rep. Regents N. Y. Append. p. 103.
concava, Hall.	UHL. ....L.	Williamsville (N. Y.)	XV. " " p. 31.
compressa, Goldf.	Iberg Limest., L, U.	Grund, Eifel, Guadalperal (L. Spain).	Palæont. D. & M. xiii. 230, &c.; Verst. Harz, 1843, p. 26.
conica, Hall.	UHL., Ham., L, M.	Darien (N. Y.)	XV. Rep. Regents N. Y. p. 31.
conoidea, D'Orb.	M.	Eifel	Goldf. Petref. Germ. iii. p. 8.
contorta, Ad. Röm.	M. ?	Scheerenstieg (Harz)	Verstein. Harz, 1843, p. 26.
crassa, Winchell.	UHL. ....L.	Albany and Schoharie Counties (N. Y.)	XV. Rep. Regents N. Y. p. 36.
cymbium, Hall.	L.	Clarence Hollow (N. Y.)	" " 35.
Delahayi, Rouault.	M.	Gahard (Ille et Vilaine, Fr.)	Bull. Soc. Géol. Fr. n. s. viii. 385.
dentalium, Hall.	UHL. ....L.	Williamsville, Buffalo and West New York (passim).	XV. Rep. Regents N. Y. Append. p. 29.

Genus, Species, and Author.		Horizon.	Locality.	Reference.
Dumontiana,	Ryckholdt.	Limestone, U.....	Visé (Belgium)	Mélang. Pal. p. 33.
dumosa,'	Conrad.	Cornif. Limest., L....	Union Co. (Illin.), Sandusky (Ohio)...	Worthen, Rep. Illinois, i. 146, ii. p. xiv.
var. rarispina,'	"	" L....	Helderberg Mountains, Oneida, Onondaga (N. Y.)	XV. Rep. Regents N. Y. p. 38.
echinata,'	Hall.	Tully Limest., M. ...	Moscow, Ludlowville, Ovid (N. Y.)...	" " 3.
erecta,'	"	UHL., M....L., M....	Williamsville, Buffalo, Moscow, York, Darien (all in western N. Y.)	XIV. " " Append. p. 103.
fornicata,'	"	" L.....	Williamsville, Carlisle (N. Y.).....	XV. " " p. 35.
Gebhardi,'	Conrad.	Orisk. Sand., L.	Cumberland Co. (Maryland), South Illinois	Hall, Palæont. N. Y. iii. 474; Worthen, Geol. Rep. Illinois, ii. p. xii.
gracilis,	Sndbrgr.	Stringoc. Limest., M.	Vilmar (Nassau)	Verstein. Nassau, p. 236.
hectica,	Ryckholdt.	(Clay) .....U. ?	Namur (Belgium)	Mélang. Pal. 2nd part, p. 190.
haliotis,	D'Orb.	M.	Gahard (France)	Bull. Soc. Géol. Fr. n. s. viii. 385.
Hericiarti,	Rouault.	M.	" (Ille et Vilaine, Fr.)	" " 358.
lineata,	Goldf.	?	Eifel	Petrefact. German. iii. 13.
Lorierci,	Vern.	L.	Les Courtoisiers, Le Cotentin (Fr.)	Bull. Soc. Géol. Fr. n. s. vii. 778.
magnifica,'	Hall.	Oriskany Sandst., L.	Cumberland Co. (Maryland)	Palæont. N. Y. iii. 476.
multispinosa,'	Meek.	Cornif. Limest., L....	Columbus (Ohio)	Proc. Acad. Nat. Sc. Philad. 1871, p. 73.
nodosa,'	Conrad.	Oriskany Sandst., L.	North Cayuga Co. (Can. W.), Albany and Schoharie Counties (N. Y.)	Logan, Geol. Canada, 1863, p. 361.
nonoplecta,	Münst.	Clymen. Limest., U.	Shübelhammer	Beiträge &c. vi. 121.
ornata,	Ad. Röm.	Limestone, M.	Scheerenstieg	Verstein. Harz, 1843, p. 27.
patula,'	Hall.	Orisk. Sand., L.	Cumberland Co. (Maryland)	Palæont. N. Y. iii. 477.
prisca,	Goldf.	M. ?	Sabero (Sp.), Couvin, Huy, Estreungt, Eifel	Bull. Soc. Géol. Fr. n. s. vii. 160, xiv. 365; Trans. G. S. L. n. s. ix. 390.
procumbens,	Ryckholdt.	.....	Namur (Belgium)	Mélanges Pal. 2nd part, p. 190.
psittacina,	Sndbrgr.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 236.
reflexa,'	Hall.	Orisk. Sandst., L. ...	Cumberland Co. (Maryland).....	Palæont. N. Y. iii. 477.
robusta ?,	Barrande.	L.	Les Courtoisiers (Fr.), Bohemia.....	Bull. Soc. Géol. Fr. n. s. vii. 779.
scalaris,	Rouault.	L. ?	Le Cotentin (Fr.)	Mém. Soc. Hist. Nat. Cherb. x. 200.
sigmoidalis,	Phill.	M. ?	Hope, by Torquay (S. Devons.)	Palæoz. Foss. Devon &c. p. 94.
sinuosa,	Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 33.
subnodosa,'	Hall.	Orisk. Sandst., L.	Schoharie Co. (N. Y.)	Palæont. N. Y. iii. 474.
subrecta,'	"	UHL. ....L.	Williamsville, Buffalo	XV. Rep. Regents N. Y. p. 29.
substriata,'	Münst.	U.	Schübelhammer	Beiträge &c. iii. 82.
subplicata,'	M. & W.	?	Ohio	Proc. Amer. Phil. Soc. 1866, p. 265.
subundata,'	Conrad.	.....	New York	XIV. Rep. Regents N. Y. Append. p. 130.
Orthonuchia.				
sulcata,'	Conrad.	.....	New York	" " " p. 34. "
symmetrica,'	Hall.	UHL., Ham., L., M.	Darien, Hamilton, York, Canandaig. Lake (N. Y.)	XV. " " " p. 34. "
Thetis,'	"	" " L., M.	Moscow, York, and in Ontario and Albany Counties.	Contrib. to Pal. 1861, p. 4.
tortuosa,'	"	Oriskany Sandst., L.	South Illinois, and Ontario and Albany Counties.	Palæont. N. Y. iii. 472; Geol. Illinois, ii. p. xii.
trigona,	Goldf.	Iberg L'st. &c., M., U.	Grund, Eifel	Palæont. D. & Von M. xiii. 230; Verstein. Harz, 1843, p. 26.
triloba,	Phill.	M., U. ...	Torquay, Croyde, Adscombe	Geol. Yorkshire, ii. tab. 14.
trochleata,	Münst.	U.	Schübelhammer	Trans. G. S. L. n. s. vi. 390.
ventricosa,'	Conrad.	Oriskany Sandst., L.	Cumberland (Maryland)	Hall, Palæont. N. Y. iii. 475.
vetusta,'	Sow.	M., U. ...	Plymouth, Torquay, Newton Bishop, Ilfracombe, Adscombe, Croyde, Top Orchard, Pilton, Branton, Eifel, Schübelhammer, New York, Tournai (Belg.), Whitwell, Yorkshire (carboniferous in both places).	Phill. Palæoz. Foss. Devon, p. 93; Trans. G. S. L. ser. 2, vi. 390.
Zinkeni,	Ad. Röm.	Black Limest., L. ...	Scheerenstieg	Verst. Harz, 1843, p. 27.
spec. indet.,	Rouault.	M.	Gahard (France)	Trans. G. S. L. n. s. vi. 390.
Catanstoma, G. Sandberger,		1853.		
clathratum,	G. Sandbrgr.	Stringoc. Limest., M.	Vilmar, Paffrath (Köln)	Verstein. Nassau, p. 207.
Chiton, Linnæus, 1758.				
cordiformis,	Sndbrgr.	M.	Grund	Verstein. Harz, 1843, p. 32; Geologist, 1861, p. 222.
corrugatus,	"	Stringoc. Limest., U.	Vilmar.....	Verstein. Nassau, p. 238.
fasciatus,	"	" M.	" ?	" " "
levigatus,	Ad. Röm.	Iberg Limest., U. ...	Grund	Palæont. D. & Von M. xiii. 230.
priscus,	Sndbrgr. non Münst.	M.	Harz	Geologist, 1861, p. 224.
Sandbergensis,	Ryckh.	Stringoc. Limest., M.	Belgium	" " "
sagittalis,	Sndbrgr.	" M.	Vilmar	Verstein. Nassau, p. 239.
subgranosus,	"	" M.	"	" " "
tumidus,	De Koninck.	U.	Grund	Geologist, 1861, p. 224.
spec. nova,		Limestone, M.	Plymouth (S. Devons.)	Mem. Geol. Surv. Great Brit.
"		Sandst. & Plants, M.	Thuringia	Zeitschrift &c. Berlin, xxi. p. 389.
Cirrus, Sowerby, 1818.				
acutus,	Sow.	M.	Vilmar, Bielef (Russia).....	Murch., Vern. & Keyserl. Geol. Russ. ii. 58.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Leonardi, D'Arch. & Vern.	M.	Paffrath (Rhenish Prussia)	Trans. G. S. L. n. s. vi. 389.
rotundatus, var.,	M.	.....	.....
spinosus, Goldf.	Stringoc. Limest., M.	" Bensberg, Vilmar, Gerolstein, &c.	Sudbrgr. Verstein. Nassau, p. 208.
spec. indet., Vern.	L., M.	Otrada, Tschudova (Russia)	MVK. Geol. Russ.
Cyclonema , Hall, 1852.			
crenulata, Meek.	Cornif. Limest., L.	Dublin, Franklin Co. (Ohio)	Proc. Acad. Nat. Sc. Philad. 1871, p. 71.
Hamiltonii, Hall.	Ham. Shale, M.	Cazenovia (N. Y.)	XV. Rep. Regents N. Y. p. 47.
lirata, "	" M.	Chenango Co. (N. Y.)	" " " 48.
multilirata, "	" M.	Smryua (N. Y.)	" " " "
Delphinula , Lamarck, 1804.			
subarmata, Sndbrgr.	Stringoc. Limest., M.	Vilmar.....	Verstein. Nassau, p. 215.
Dentalium , Linneus, 1870.			
aciculatum, Hall.	Marcell. Sh., M., Goniatic Limest. ? , U.	Manlius &c. (N. Y.)	XIII. Rep. Regents N. Y. 107.
annulatum, Sndbrgr.	Stringoc. Limest., M.	Vilmar.....	Verstein. Nassau, p. 241.
antiquum, Goldf.	Givet Limest., M.	River Berwine (Belg.), Eifel.....	Horion & Ryckh. Bull. Soc. Géol. Fr. n. s. xvii. 60.
arenarium, Ad. Röm.	Spirif. Sand., L.	Schalke (Harz)	Palæont. D. & M. v. 13.
Ibergense, "	Iberg Limest., U.	Grund	" " " 36, xiii. 230.
navicanum, Ryckholdt.	M. ?	Petignies (Namur).....	Mélang. Pal. part 2, p. 198.
Saturni, Höninghaus.	M.	Paffrath, Eifel	Goldf. Petref. German. p. 3.
striatum, " MSS.	M. ?	Eifel.....	Trans. G. S. L. ser. 2, vi. 390.
subcanaliculatum, Sndbrgr.	Stringoc. Limest., M.	Vilmar, Eifel (Dr. Kayser)	Verstein. Nassau, p. 240.
tæniolatum, "	" M.	Locality unknown	" " " 241.
spec. indet., Kayser.	Crinoid Sch., M.	Eifel.....	Zeitschrift &c. 1871, p. 368.
" "	Limestone, M.	Paffrath	Trans. G. S. L. ser. 2, vi. 390.
Deshayesia , Raulin, 1844.	Naticella , Gratelot.	up, non Münster.	
Rauliniana, Ryckh.	M.	Nisne, Namur (Belg.)	Mélang. Pal. part 2, p. 201.
Euomphalus , Sowerby, 1814.	Cirrus , Sow., 18	Straparollus , Montfort.	Inachus , Hisinger.
acuticostatus, Sndbrgr.	Cyprid. Sch., Stringoc.	Oberscheld, Gerolstein	Verstein. Nassau, p. 210.
	Limest., L. U.		
æqualis, "	U.	Etroeungt, Sains (Fr.)	Gosselet, MS. 1870 (mecum).
annulatus, Phill.	Stringoc. Limest., M.	Vilmar, Eifel, Paffrath, Newton Bush.	Palæoz. Foss. Devon, p. 138; Sndbrgr. Verstein. Nassau, p. 211.
archiacus, Goldf.	M.	Eifel.....	Petrefact. Germ. iii. 82.
articulatus, D'Orb.	Givet Limest., M.	Visé (Belg.), Oberkunuzendorf (Dr. Dames).	Horion & Ryckh. Bull. Soc. Géol. Fr. n. s. xvii. 60.
Belgicus, H. le Hon.	Stringoc. Limest., M.	Nisme (Belg.).....	Bull. S. G. Fr. n. s. xvii. 492.
Bronni, Goldf.	M.	Eifel.....	Goldf. Petref. Germ. iii. 81.
Canadensis, Billings.	Cornif. Limest., L.	Haldimand Co. (Can. West).....	Canad. Journ. vi. 359.
circularis, Phill.	M.	Newton Bushell	Pal. Foss. Devon &c. p. 94.
clymenoides, Hall.	Schohar. Grit, L.	Schoharie Co. (N. Y.)	XV. Rep. Regents N. Y. p. 54.
conceaus, Ad. Röm.	Calceol. Sch., M.	Bockwiese	Palæont. D. & M. iii. 74, xiii. 323.
Conradi, Hall.	UHL. ....L.	Central and Western N. York (passim)	XIV. Rep. Regents N. Y. p. 107.
crassitesta, Tietze.	U.	Ebersdorf (Saxony)	Palæont. D. & Z. xix. 140.
cyclostoma, Hall.	Ham., Calc. Shale, M.	Pine Creek, Fairport, New Buff. (Iowa)	Hall & Whitn. Rep. Iowa, p. 516.
De Cewi, Billings.	Cornif. Limest., L.	Haldimand Co. (C. W.), Sylvania (Ohio)	Can. Nat. n. s. vi. 358.
decussatus, Sndbrgr.	Stringoc. Limest., M.	Vilmar.....	Verstein. Nassau, p. 210.
delphinuloides, Goldf.	M.	Paffrath	Museum Teyler. p. 67.
Eboraceus, Hall.	Ham. Shales, M.	18-mile Creek, York, Erie, and Otsego Cos. (N. Y.)	XV. Rep. Regents N. Y. p. 55.
ellipticus ?, Schloth.	Greenstone Tuff.....	Magwitz (Saxony), Corneli-Münster in Bergischen.	Geinitz, Verst. G. wacke Saxony, p. 43.
" "	Münst. Orthoc. Limest., U.	Elbersreuth.....	Münst. Beiträge &c. v. 122.
Goldfussii, D'Arch. & Vern.	Limestone, M.	Paffrath, Lustheide, Eifel	Trans. G. S. L. ser. 2, vi. 389.
granulatus, Münst.	Clymen. Limest., U.	Schübelhammer, Gattendorf, Elbersreuth.	Beiträge &c. iii. 86.
heliciformis, "	Limestone, U.	Elbersreuth.....	" " " 85.
helicinus, "	" U.	"	" " " "
Labadyei, D'Arch. & Vern.	Stringoc. & Clymenia Limest., M., U.	Paffrath, Ebersdorf	Trans. G. S. L. n. s. vi. 389.
lævis, "	Stringoc. Limest., M.	" Vilmar	Verstein. Nassau, p. 213.
laxus, Hall.	Cornif. Limest., L.	Schoh. Co., 18-m. Creek, Alden (N. Y.)	XV. Rep. Regents N. Y. p. 54.
Letestu, Rouault.	M.	Gahard (France)	Bull. Soc. Géol. Fr. n. s. iv. 321.
pentangulatus, Phill., Sharpe.	Limestone, U.	Ferques (Boulonnais)	Quart. Journ. G. S. L. ix. 235.
plano-discus, Hall ?	Goniatic Limest., U.	Manlius (N. Y.).....	XIII. Rep. Regents N. Y. p. 109.
planorbis, D'Arch. & Vern.	Iberg Limest., U.	Vilmar, Paffrath, Grund	Palæont. D. & M. iii. 37, xiii. 231.
quaterius, Schloth.	M.	Chimay, Paffrath	Trans. G. S. L. ser. 2, vi. 363.
var., D'Arch. & Vern.	M.	Refrath	" " " "
radiatus, Phill.	Givet Limest., M.	River Berwine (Belg.), Fienes (Fr.), Hagginton, Chamberseombe, Plymouth, &c.	Horion & Ryckh. Bull. Soc. Géol. Fr. n. s. xvii. 60.
retrorsus, Ad. Röm.	Orthoc. and Wissenb. Sch., L. ?	Zeigenberg Teiche, Klosterholz	Palæont. D. & M. iii. 15, xiii. 208; Verstein. Nassau, p. 213.
rota, Sndbrgr.	Stringoc. Limest., M.	Vilmar.....	" " " p. 212.

Genus, Species, and Author.		Horizon.	Locality.	Reference.
rotula,	Goldf.	Givet Limest., M. ...	Esneux, Avesnes, Bas-Boulonnais ...	D'Arch. Paléont. de France; Bull. de Lille, 1871, p. 293.
Schnurei,	D'Arch. & Vern.	Limestone, M.	Paffrath, Eifel, Belgium	Trans. G. S. L. ser. 2, vi. 390.
serpens,	Phill.	L., M., U.	Magwitz, Meadsfoot, Newton, Braunton, Goodleigh, &c.	Pal. Foss. Devon &c. p. 94.
serpula,	De Koninck.	Stringoc. & Iberg L'st., M., U.	Paffrath, Vilmar, Grund	Sandbrgr. Verstein. Nassau, p. 214.
serpuloides,	Richter.	Limest. blocks, U. ...	Thüringerwald	Leonh. & Br. Neues Jahrb. 1856, p. 625.
<i>Porcellia retrorsa.</i>				
spiralis,	Münst.	Orthoc. Limest., M. ?	Elbersreuth	Beiträge &c. iii. 85.
striatus,	"	" " M. ?	"	"
subulatus,	Vern.	L.	Les Courtoisieres (La Sarthe)	Bull. Soc. Géol. Fr. n. s. vii. 779.
subearinatus,	Münst.	U.	Elbersreuth	Beiträge &c. iii. 85.
trigonalis,	Goldf.	Upp. String. L'st., M.	Paffrath, St. Petersburg (Silurian) ...	Trans. G. S. L. n. s. vi. 390.
Verneuili,	"	M.	Eifel	Goldf. Petref. Germ. iii. 84.
Voronejensis,	Vern.	L., U. ...	Govt. Voroneje, Kirkholm, Pskow, valleys of the Duna and Velicaya (Livonia).	Grewingk, Geol. Livonia, pp. 39, 40; Pacht. Untersuch. p. 103.
Wahlenbergii,	Goldf.	Givet Limest., M. ...	Ferrières (Belgium)	Gosselet, MS. 1870 (mecum).
spec. indet.,	Sandbrgr.	.....	Steinlache (Weilburg)	Verstein. Nassau, p. 532.
"	Sharpe.	U.	Ferques (Boulonnais)	Quart. Journ. G. S. L. ix. 251.
"	Abich.	Green clayey L'st. ?	Armenia	Mém. Ac. Sci. St. Pétersb. ser. 6, vii. 438.
Helcyon , Montfort, 1840.		Patella , Linnæus.		
discoidea,	D'Orb.	U.	Elbersreuth	Goldf. Petref. Germ. iii. 4.
primogenia,	"	M.	Paffrath	6.
spec. indet.,	Vern.	L.	Département La Sarthe (France)	Bull. Soc. Géol. Fr. n. s. vii. 779.
Holopea , Hall, 1842.				
macrostoma,	Hall.	Ham. ....M.	Pratt's Falls, Madison Co. (N. Y.) ...	XV. Rep. Regents N. Y. p. 49.
Holopella , McCoy, 1852.				
absoluta,	Grewingk?	Grey Dolomite, M....	Lower valleys of river Velicaja and Duna (Livonia).	Grewingk, Geol. Livonia, map.
moniliformis,	Ad. Röm.	Wissenb. Sch., L. ...	Ilseberg (Harz)	Palæont. D. & M. xiii. 208.
piligera,	Sandbrgr.	Stringoc. Limest., M.	Vilmar (Nassau)	Verstein. Nassau, p. 228.
tenuicostata,	"	Cyprid. Sch., U.	Drommershausen (red ironst.), Oberscheld (ferruginous).	" " p. 227.
tenuisulcata,	"	Stringoc. ....M.	Vilmar	" " p. 228.
spec. indet.,	Tietze.	Clymen. Limest., U..	Ebersdorf	Palæont. D. & Z. xix. 142.
"	Grewingk.	.....	Lower Duna valley (Livonia)	Geol. Livonia und Courland, p. 40.
Isonema , Meek and Worthen, 1865.		Subgenus of Holopea .		
depressum,	M. & W.	Ham. ....M.	White Sulphur Springs (Ohio)	Proc. Acad. Nat. Sci. Phil. 1865, p. 251.
humile,	"	Cornif. Limest., L....	Dublin, Franklin Co. (Ohio)	" " 1871, p. 79.
Littorina , Férussac, 1821.				
alata,	Sandbrgr.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 219.
Bainii,	Sharpe.	Sandstone, L.	Cape of Good Hope (S. Africa)	Trans. G. S. L. n. s. vii. 205.
lirata,	Sandbrgr.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 220.
macrostoma,	"	" " M.	"	" " p. 221.
Nismensis,	H. le Hon.	" " M.	Nisme (Belgium)	Bull. Soc. Géol. Fr. n. s. xxvii. 492?
purpura,	D'Arch. & Vern.	" " M.	Vilmar	Verstein. Nassau, p. 221.
subrugosa,	Sandbrgr.	" " M.	Vilmar	" " p. 220.
Loxonema , Phill., 1841.		<i>Chennitzia</i> , the labrum having a posterior sinus and being		prolonged forwards, D'Orbigny.
adpressum,	Ad. Röm.	Iberg Limest., U. ...	Grund, Macon	Verstein. Harz, 1843, p. 30; Gosselet, MSS. 1870 (mecum).
angulosum,	D'Orb.	Spirif. Sandst., L. ...	Kahleberg	Palæont. D. & M. iii. 3, xiii. 221.
antiquum,	"	U.	Elbersreuth	Münst. Beiträge, iii. 88.
bellatulum,	Hall.	UHL. ....L.	Ohio	XIV. Rep. Reg. N. Y. Append. p. 104.
biangulatum,	D'Orb.	U.	Regnitzlosau (Bavaria)	Goldf. Petref. Germ. iii. 104.
compressum,	"	M., U.	Eifel, Elbersreuth	Münst. Beiträge, iii. 89.
costatum,	Goldf.	Stringoc. Limest., M.	Vilmar, Weilburg (red ironst.), Plymouth, Newton.	Murch. Silur. Syst. pl. 3; Sandberger, Verst. Nassau, p. 23.
Cotteranum,	Billings.	Cornif. Limest., L....	Dunn, Lake Erie (N.E. shore)	Can. Journ. n. s. vi. 360.
Delphicola,	Hall.	Ham. Shale, M.	Delphi (N. Y.)	XV. Rep. Regents N. Y. p. 52.
deperditum,	D'Orb.	M.	Eifel	Goldf. Petref. Germ. iii. 110.
funatum,	Ad. Röm.	Spirif. Sandst., L. ...	Rammelsberg (Harz)	Palæont. D. & M. v. 14.
fusiforme,	"	Iberg Limest., U. ...	Grund	iii. 35.
Hamiltoni,	Hall.	Ham. Shales, M. ...	Seneca and Cayuga Lakes (N. Y.) ...	XV. Rep. Regents N. Y. p. 53.
Hebe,	D'Orb.	M. ?	Eifel	Petref. Germ. iii. 110.
Hennahianum,	Phill.	Givet Limest. &c., L., M.	Torquay, Plymouth, Givet, Fiennes, Viré, Kanlydja, Arnaout-koi, Falls river Ohio.	Pal. Foss. Devon &c. p. 99; Bull. Soc. Géol. Fr. n. s. vii. 779; Comptes Rendus, lxiv. 1218.
humile,	Ad. Röm.	Iberg Limest., U. ...	Grund	Palæont. D. & M. iii. 34, xiii. 231.
imbricatum,	Sow.	" " U. ...	"	xiii. 231.
impressum,	D'Orb.	U.	Ferques (N. France)	Prodrome, i. 63.
Kaupii,	"	.....	Gehäuse	Goldf. Petref. Germ. iii. 110.
lave,	Ad. Röm.	Iberg Limest., U. ...	Grund	Palæont. D. & M. xiii. 231.
lavissimum,	D'Orb.	U.	Ferques	Prodrome, i. 63.
linctum,	Phill.	Limestone, M.	Barton (S. Devonsh.)	Pal. Foss. Devon, p. 100.

Genus, Species, and Author.		Horizon.	Locality.	Reference.
lineolatum,	Ad. Röm.	Iberg Limest., U. ...	Grund	Palæont. D. & M. iii. 87, xiii. 231.
microtrichum,	"	" U. ...	"	Verstein. Harz, 1843, p. 31.
minutum,	"	" U. ...	North-west Harz	Palæont. D. & M. iii. 36, xiii. 231.
multiplicatum,	"	L.?	Zeigenberger Teiche, Wissenbach	" " 16.
nexile,	Phill. & Vern.	Limestone, L., M., U.	Ohio Falls, Snake Island, Winne- pagosis Lake, Rupert's Land, New York, Wisconsin, Ferques, Newton, Petherwin, Schübelhammer.	Foster & Whitn. Report L. Superior; Hinde's Exped. Rupert's L.; Bull. Soc. Géol. Fr. n. s. iv. 695; Pal. Foss. Devon, p. 99.
oblique-arcuatum,	Sndbrgr.	Spirif. Sandst., L. ...	Niederlahnstein	Verstein. Nassau, p. 231.
ovatum,	Ad. Röm.	Iberg Limest., U. ...	Grund	Palæont. D. & M. iii. 35, xiii. 231.
pennatum,	Hall.	UHL. ....L.	Schoharie Co. (N. Y.)	XIII. Rep. Reg. N. Y. p. 105.
pexatum,	"	"L.	New York and Ohio (passim)	XIV. " Append. p. 104.
Phillipsii,	Ad. Röm.	Iberg Limest., U. ...	Grund, Visé, Petherwin	Verstein. Harz, 1843, p. 30; Gosselet, MS. 1870 (mecum).
ponti,	D'Orb.	M.	Eifel	Goldf. Petref. Germ. iii. 103.
<i>Turritella</i> ,				
præteritum,	Phill.	Limestone, M.	Torquay, Chudleigh, &c. (S. Devons.)	Pal. Foss. Devon, p. 100.
ranellæforme,	Ad. Röm.	Iberg Limest., U. ...	Grund	Palæont. D. & M. iii. 15, xiii. 231.
reticulatum,	Phill.	Stringoc. Limest., M.	Vilmar, Gerolstein, Newton Bushel ...	Verstein. Nassau, p. 231.
robustum,	Hall.	Schob. Grit, L.	Schoharie Co. (N. Y.)	
rugiferum,	Phill.	M., U. ...	Bouregghi, Ussinski-Kurgan, Brushford.	Palæont. Foss. Devon, p. 101; Eichw. Lethæa Rossica, p. 1116.
sinuosum,	"	U.	S. Petherwin	Trans. G. S. L. ser. 2, vi. 388.
solidum,	Hall.	Schob. Grit, L.	Schoharie Co. (N. Y.)	XV. Rep. Regents N. York, p. 51.
subangulatum,	D'Orb.	.....	Eifel	Goldf. Petref. Germ. iii. 109.
subattenuatum,	Hall.	Schob. Grit, L.	Schoharie Co. (N. Y.)	XV. Rep. Regents N. Y. p. 52.
subfusiforme,	Ad. Röm.	Iberg Limest., U. ...	Grund	Palæont. D. & M. xiii. 231.
subobsoletum,	? D'Orb.	.....	Friederichshall (Wirttemberg)	Murch. Silur. Syst. pl. 3.
subulatum,	Ad. Röm.	Stringoc. Limest., M.	Lehrbach, Clausthal, Oberscheld (fer- ruginous limestone).	Palæont. D. & M. iii. 35, xiii. 231.
terebra,	"	Iberg Limest., U. ...	Grund	" " "
teres,	D'Orb.	U.	Geiser (Bavaria)	Münst. Beiträge &c. v. 122.
trochleatum,	"	U.	Elbersreuth, Marxgrüner (Saxony) ...	" " iii. 38.
tumidum,	Phill.	Clymen. Limest., U. ...	Petherwin (Cornwall), Carb. elsewhere.	Trans. G. S. L. ser. 2, vi. 388.
vittatum,	Ad. Röm.	Iberg Limest., U. ...	Grund	Palæont. D. & M. iii. 36.
spec. indet.,	Boniss.	L.	La Manche (France)	Mém. Soc. Hist. Nat. Cherb. x. 200.
Macrocheilus, Phillips, 1841. Buccinum, Lamarck.				
aculeatus,	Schloth.	Limestone, M.	Nisme, Couvin	D'Hallo, Précis Géol. p. 576.
acutus,	Sow.	" M.	Stonehouse Hill, Carb. elsewhere.....	Pal. Foss. Devon, p. 104.
arcuatus,	Phill.	Stringoc. Limest., M.	Nisme (Belgium), Boussières, Paffrath, Newton (S. Devons.).	Gosselet, MS. 1870 (mecum); Horion & Ryckh. Bull. S. G. Fr. n. s. xvii. 60; Trans. G. S. L. n. s. vi. 287.
4 varieties—elongatum, ca- rinatum, torosum, ven- tricosum.		.....	.....	Museum Teyler, p. 72.
brevis,	Phill.	Limestone, M.	Bradley, Newton, Plymouth.....	Pal. Foss. Devon &c. p. 103.
var.,	D'Arch. & Vern.	" M.	Paffrath	Trans. G. S. L. ser. 2, vi. 387.
Charmelaie,	Row.	" M.	Gahard, Izé, St. Aubin (Ille et Vilaine)	Bull. Soc. Géol. Fr. n. s. viii. 383.
elongatus,	Phill.	" M.	Newton (S. Devons.)	Pal. Foss. Devon &c. p. 104.
Hamiltoni,	Hall.	Ham. Sh. ....M.	Hamilton (N. Y.)	XV. Rep. Regents N. Y. p. 49.
harpula,	Sow.	M.	Bradley, Plymouth	Pal. Foss. Devon, p. 105.
hebe,	Hall.	Ham., Goni., M., U.	Manlius (N. Y.)	XV. Rep. Regents N. Y. p. 48.
imbricatus,	Sow.	Cyprid. Sch., U.	Bradley, Newton	Pal. Foss. Devon, p. 104.
macrostoma,	Hall.	Ham. Limest., M. ...	Pratt's Falls, Madison Co. (N. Y.) ...	XV. Rep. Regents N. Y. p. 49.
Murchisoni,	Bonissent.	L.	La Manche (France)	Mém. Soc. Hist. Nat. Cherb. x. 200.
neglectus,	Phill.	U.	Brushford (N. Devonsh.)	Pal. Foss. Devon, p. 105.
oceani,	D'Orb.	.....	Eifel	Goldf. Petref. Germ. iii. 29.
ovatum,	Ad. Röm.	Stringoc. Limest., M.	Vilmar, Grund	Verstein. Nassau, p. 234.
Schlotheimia, D'Arch. & Vern.		Limestone, M.	Newton, Paffrath	Trans. G. S. L. ser. 2, vi. 386.
spinosus,	Sow.?	M.	Plymouth	" " 356.
subelathratus,	Sndbrgr.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 252.
ventricosus,	Goldf.	Limestone, M.	Plymouth, Gerolstein (Eifel)	M'Coy, Brit. Pal. Foss. p. 399.
vetustus,	Lamarck.	U.	Chenciny, Kielce (Russian Poland)...	Hempel, Ann. des Mines.
Melania, Lamarck, 1801.				
arcuata,	Münst.	Dark Clym. L'st., U.	Elbersreuth	Beiträge &c. iii. 83.
limnaris,	Braun.	Clymen. Limest., U.	Thüringerwald, Geiser (Bav.), Schü- belhammer.	" v. 22; Leonh. & Br. Neues Jahrb. 1856, p. 625.
prisca,	"	Orthoc. Limest., U.	Elbersreuth	Trans. G. S. L. n. s. vi. 390.
rugifera,	Pusch.	U.	Bouregghi, Lake Ilmen, Brushford ...	Murch. Vern. & Keys. Geol. Russ. ii. 390.
striatula?	Münst.	Clymeu. Limest., U.	Elbersreuth	Trans. G. S. L. ser. 2, vi. 390.
Michelia, Adolf Römer, 1869?				
abbreviata,	Ad. Röm.	Calceol. Sch., M.	Rammelsberg (Harz)	Ad. Röm. Pal. D. & M. xiii. 223.
cylindrica,	"	" M.	Bochweise "	" " "
depressa,	"	" M.	Rammelsberg "	" " "
distracta,	"	" M.	" "	" " "
exaltata,	"	" M.	" "	" " "

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Monodonta , <i>Lamarck</i> , 1801.			
<i>purpurea</i> , D'Arch.	M.	Paffrath	Trans. G. S. L. ser. 2, vi. 358.
Murchisonia , <i>D'Arch.</i> and <i>Verneuil</i> , 1841.			
<i>anglica</i> , D'Orb.	M., U.	" Petherwin, Brushford	Phill. Pal. Foss. Devon &c. p. 39.
<i>angulata</i> , Phill.	Slate, Limest., M., U.	" " "	p. 101.
var. <i>a</i> , D'Arch. & Vern.	Limestone, M.	" &c.	Trans. G. S. L. n. s. vi. 388.
<i>bigranulosa</i> , "	Stringoc. Limest., M.	Torquay, rivers Lenne, Vohde, Agger (Rhenish Prussia), Belgium.	Siluria, ed. 4, p. 390.
var. <i>a</i> , "	Limestone, M.	Paffrath, Bradley (S. Devons.)	Trans. G. S. L. ser. 2, vi. 388.
" <i>b</i> , "	"	"	"
<i>bilineata</i> , Goldf.	Cornif. Limest., Givet Limest., L., M.	Nisme, Couvin, Halloy, Weipperfeld, Boussois, Izé, Campbell Creek (Indiana).	Gosselet, MS. 1870 (musc.); Bull. Soë. Géol. Fr. n. s. iv. 695; Trans. G. S. L. ser. 2, vi. 388.
var. <i>a</i> , D'Arch. & Vern.	Limestone, M.	Nehou, Paffrath	Trans. G. S. L. ser. 2, vi. 388.
<i>binodosa</i> , "	"	Lustheide	"
<i>bistriata</i> , Ad. Röm.	Iberg L'st., Greenst. Tuff, U.	Grund, Magwitz (or <i>M. bistricta</i>)	Palæont. D. & M. iii. 37; Geinitz, Verstein. Grauwacke Saxony, p. 25.
<i>brevis</i> , "	Stringoc. Limest., M.	Buehenberg (Harz)	Palæont. D. & M. v. 24.
<i>contraria</i> , D'Orb.	"	Schübelhammer (Bavaria)	Münst. Beiträge, iii. 87.
<i>eoronata</i> , D'Arch. & Vern.	M., U.	Paffrath, Weipperfeld, Iserlohn, Sötenich, Hagen, Nisme (Namur), Cour St. Henri (Hainault), Münchmühle, &c.	Trans. G. S. L. ser. 2, vi. 388.
<i>turbinata</i> , "	"	"	"
var. <i>a</i> , "	"	"	"
<i>decorata</i> , Pacht.	Dolomite	Lower Duna valley (Livonia)	Grewingk, Geol. Livonia, p. 40.
<i>desiderata</i> , Hall.	UHL or Cornif. L'st., L.	Ohio Falls (Kentucky)	XV. Rep. Regents N. Y. p. 50.
<i>dispar</i> , M'Coy.	Limestone, U.	Ebersdorf	Palæont. D. & Z. xix. 141.
<i>geminata</i> , Phill.	"	Newton Bushel (S. Devonsh.)	Pal. Foss. Devon, p. 102.
<i>grandæva</i> , D'Orb.	"	Eifel	Goldf. Petref. iii. 103.
<i>hebe</i> , Billings.	No. 8 Limestone, L.	Indian Cove, Gaspé (Can. East)	Can. Surv. Pal. Foss. ii. 56.
<i>Hercynica</i> , Ad. Röm.	Iberg Limest., U.	Grund	Verstein. Harz, 1843, p. 29.
<i>intermedia</i> , D'Arch. & Vern.	Stringoc. Limest., M.	Paffrath, La Manehe (Bonissent)	D'Arch. Pal. de France, p. 44; Trans. G. S. L. ser. 2, vi. 356.
var. <i>a</i> , "	"	"	"
" <i>b</i> , "	"	"	"
<i>leda</i> , Hall.	UHL	New York	XIV. Rep. Reg. N. Y. Append. p. 103.
<i>maia</i> , "	"	"	"
<i>muero</i> , Winehell.	Ham.	Little Traverse Bay (Lake Michigan).	Geol. Rep. Mich. Append. 1866, p. 96.
<i>spinosa</i> , Phill.	Limestone, M.	Plymouth, Bradley	Pal. Foss. Devon, p. 102.
<i>striatula</i> , Koninek?	Marly Schist, M.	Ieletz (Russia)	Helmers. Beitr. 1858, p. 100; Pacht. Untersuchung &c.
<i>tricarinata</i> , Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 30.
<i>tricincta</i> , Phill.	"	Newton, Elbersreuth	Pal. Foss. Devon, p. 139.
<i>Schizostoma</i> , Münst.	"	"	"
<i>turricula</i> , Hall.	Ham.	New York	XV. Rep. Regents N. Y. p. 50.
<i>spee. indet.</i> , Helmers.	"	Ieletz, Kon-kolodes	Helmers. Beitr. &c. p. 101.
" Kayser.	Upper Calecola, M.	Eifel	Zeitschr. &c. 1875, p. 368.
" Etheridge.	Limestone, M.	Hagginton (N. Devons.)	Quart. Journ. G. S. L. lxxiii. 641.
Murex , <i>Linnaeus</i> , 1767.			
<i>harpula</i> , Sow.	"	See Macrocheilus	Pal. Foss. Devon, p. 224.
Natica , <i>Adanson</i> , 1757.			
<i>annulata</i> , Ad. Röm.	Iberg Limest., U.	Iberg (Harz)	Palæont. D. & M. v. 35.
<i>antiqua</i> , Goldf.	Limestone, M.	Ferques, Eifel	Quart. Journ. G. S. L. ix. 235; D'Orb. Prodrome, i. 64.
<i>Ausavensis</i> , Steining.	Goni. Seh., U.	Eifel	Zeitschr. &c. 1871, p. 374.
<i>Cotentina</i> , D'Orb.	"	Le Cotentin (La Manche)	Mém. Soc. Hist. Nat. Cherb. x. 200.
<i>diseus</i> , Ad. Röm.	Iberg	Grund	Palæont. D. & M. iii. 88.
<i>efossa</i> , "	"	Paffrath	Goldf. Petref. Germ. iii. 34.
<i>excentrica</i> , "	Iberg Limest., U.	Grund	Verstein. Harz, 1843, p. 37.
var. <i>coronata</i> , "	"	"	Palæont. D. & M. iii. 34.
<i>inflata</i> , "	"	"	Verstein. Harz, 1843, p. 27.
<i>interstitialis</i> , "	"	"	Palæont. D. & M. iii. 34, xiii. 231.
<i>Kirkholmensis</i> , Keyserling.	"	Upper Duna valley (Livonia)	Grewingk, Geol. Livonia, p. 39.
<i>margaritifera</i> , D'Arch. & Vern.	Limestone, M.	Paffrath	Trans. G. S. L. ser. 2, vi. 366.
<i>marginata</i> , Ad. Röm.	Iberg Limest., U.	Grund	Verstein. Harz, 1843, p. 27.
<i>Turbo submarginata</i> , "	"	"	"
<i>meridionalis</i> , Phill.	Slate	Morte, Baggy Point (N. Devonsh.)	Pal. Foss. Devon &c. p. 94.
<i>microtricha</i> , Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 30, xiii. 211.
<i>nexicosta</i> , Phill.	Clymen. L'st., M., U.	Lanlake (Dr. Holl), Ebersdorf, Paffrath, Grund, &c.	Pal. Foss. Devon, p. 95; Verstein Harz, p. 27.
<i>piligera</i> , Sndbrgr.	Stringoc. Limest., M.	Vilmar, Oranienstein	Verstein. Nassau, p. 235.
<i>ponti</i> , D'Orb.	"	Eifel	Prodrome, i. 64.
<i>Ampullaria</i> , "	"	"	"

Genus, Species, and Author..		Horizon.	Locality.	Reference.
purpura,	Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 34, xiii. 231.
spirata,	"	"	"	"
strigosa,	Pacht.?	"	Lower Duna valley (Livonia)	Grewingk, Geol. Livonia, pp. 40, 186.
striolata,	Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 33.
subcostata,	Goldf.	Limestone, M.	Paffrath, Almadenejos (Spain), Devonshire.	Trans. G. S. L. ser. 2, vi. 390; Bull. Soc. Géol. Fr. n. s. xii. 1015.
var. globosa,	"	Limest. & Slate, M., U.	Paffrath, Petherwin	Phill. ? Pal. Foss. Devon, p. 94.
subpiligera,	H. le Hon.	Strugoc. Limest., M.	Nisme (Belgium)	Bull. Soc. Géol. Fr. n. s. xxvii. 492.
spec. indet.,	Pacht.	"	Middle Duna valley, Grasi on river Weduga (Russia).	Pacht. Untersuch. p. 102; Geol. Livon. &c.
"	Etheridge.	Limestone, M.	Haggiuton, Holdstone	Quart. Journ. G. S. L. xxiii. 641.
"	Tietze.	Upp. Clymen. Lst., U.	Ebersdorf	Palæont. D. & Z. xix. 143.
"	D'Arch. & Vern.	"	Ems (Nassau)	Trans. G. S. L. ser. 2, vi. 390.
"	Horion.	"	Visé (Belgium)	Bull. Soc. Géol. Fr. n. s. xvii. 59.
Naticopsis , M' Coy, 1855.		Natica , Adanson.	Naticodon , De Ryckholdt.	
æquistriata,'	Meek.	Cornif. Limest., L.	Dublin, Franklin Co. (Ohio)	Proc. Acad. Nat. Sci. Phil. 1871, p. 76.
<i>Platystoma</i> ,				
borealis,	Eichw.	Pentam. Limest.	Ilmskaya-pristau (Ural)	Lethæa Rossica, p. 1108.
Domanicensis,	Keyserl.	"	River Ouchta (Petchora-land)	" 1106.
gigantea,'	Hall & Whitn.	UHL.	Waterloo (Iowa)	Descript. New Devon. Foss. Iowa, 1872.
lævis,'	Meek.	Cornif. Limest., L.	Dublin (Ohio)	Proc. Acad. Nat. Sci. Phil. 1871, p. 76.
Otaroides,	Ryckh.	"	Visé (Belgium)	Ryckh. Mém. Couronn. 1852, xxiv. 77.
pyrula?,	"	"	"	"
Nerita , Linnæus, 1758.				
deformis,	Sow.	Limestone, M.	Plymouth, Torquay	Trans. G. S. L. ser. 2, vi. 704.
semistriata,	Münst.	Clymen. Limest., U.	Schübelhammer	Beiträge, iii. 83.
speciosa,	Sow.	"	Plymouth	Trans. G. S. L. ser. 2, v. tab. 77.
spirata?,	"	"	Barton (S. Devonsh.)	?
venusta,	Münst.	Orthoc. Limest., U.	Elbersreuth	Trans. G. S. L. ser. 2, vi. 390.
Orthonema .				
Newberryi,'	Meek.	Cornif. Limest., L.	Otsego, Wood Co. (Ohio)	Proc. Acad. Nat. Sci. Phil. 1871, p. 81.
Patella , Linnæus, 1758.		Helcyon , D'Orbigny.		
disciformis,	Münst.	"	Elbersreuth	Pacht. Untersuch. p. 102; Beiträge, iii. 81.
elliptica,	"	"	"	Beiträge, iii. 81.
levigata,	"	"	"	"
speciosa,	Münst.	Clymen. Limest.	Schübelhammer	Beiträge &c. iii. 85.
Saturni,	Goldf.	Spirif. Sandst., L.	Menzenberg (Rhen. Prussia)	Kranz, Petref. Germ. iii. 5.
striatosulcata,	Ad. Röm.	Wissenb. Sch., M.	Festenberg	Verhandl. Ver. xiv. &c.
subradiata,	Münst.	"	Elbersreuth	Beiträge &c. iii. 81.
Phasianella , Lamarck, 1812.				
fusiformis,	Goldf.	"	Eifel	Petref. Germ. iii. 114.
neritoidea,	"	"	"	" 113.
ovata,	"	"	"	"
subelathrata,	Ad. Röm.	Iberg Limest., U.	Grund	Verstein. Harz, 1843, p. 31.
ventricosa,	Goldf.	"	Eifel	Petref. Germ. iii. 113.
Pileolus , G. Sowerby, 1823.				
dexter,	Richter.	In drift Limest.	Thüringerwald	Palæont. Thuring. p. 37.
Pitonellus , Montfort.				
heliciniformis,	D'Orb.	"	Paffrath (Rhen. Prussia)	Goldf. Petref. Germ. iii. 102
Platychisma , M' Coy, 1844.				
applanatum,	Sndbrgr.	Stringoc. ... M.	Oranienstein, Ems (Prof. Schubler)...	Verstein. Nassau, p. 207.
Kirkholmense,	Keyserl.	"	Kirkholm (Livonia), Upper Duna valley, Petchora-land.	Reise Petchora-land, p. 264; Grewingk, Geol. Livon. p. 39.
Uchtense,	"	Calceol. Sand.....	River Uchta (Petchora-land)	Lethæa Rossica, ii. 1164.
Platystoma , Conrad, 1842.				
affine,'	Billings.	No. 8 Limestone, L.	Indian Cove, Gaspé (Can. East)	Canada Surv. Pal. Foss. ii. 60.
arenosum,'	Hall?	Orisk. Sand., L.	New York	XII. Rep. Regents N. Y.
lichas,'	"	UHL.	Clarence Hollow, York (N.Y., passim)	XIV. " " p. 107.
lineatum,'	"	"	Ham., L. M.	XV. " " 40.
strophium,'	"	Cornif. Limest., L.	New York	" " 41.
turbinatum,'	"	UHL.	Helderberg Mountains, West New York (passim).	XIV. " " Append. p. 106.
ventricosum,'	Conrad.	Orisk. Sand., L.	Albany, Schoharie, Green, and Ulster Counties (N. Y.), Virginia, Maryland, Norfolk Co., Cayuga North (Can. West).	Palæont. N. Y. iii. 469; Geol. Canada, 1863, p. 369; Canad. Journ. n. s. vi. 294.
Pleurotomaria , De France, 1825.				
angulata,	Phill.	Stringoc. &c., M., U.	Vilmar, Paffrath, Petherwin, Brushford.	Verstein. Nassau, p. 204.
antitorquata,	"	Limestone, M., U.	Newton Bush., Petherwin, Baigor, and Martyra rivers (Russ.).	Quart. Journ. G. S. L. xix. 484; Pacht. Untersuch. 1853, p. 99.
arata,'	Hall.	Schohar. Limest., L.	Schoharie, Helderberg Mountains	XV. Rep. Regents N. Y. p. 42.
aspera,	Sow.	Limestone, M., U.	Newton, Petherw., Lanlake, Barnstaple.	Trans. G. S. L. ser. 2, v. 703.
Bachalieri,	Rouault.	"	Le Cotetin, Izé, Gahard (Ille et Vil.).	Bull. Soc. Géol. Fr. n. s. viii. 384; Mém. Soc. Hist. Nat. Cherb. x. 200.
Beaumonti,	D'Arch. & V.	Stringoc. Limest., M.	Vilmar (Nassau)	Trans. G. S. L. ser. 2, vi. 361.
Belus,	H. le Hon.	"	Nisme (Couvin, Belg.)	Bull. Soc. Géol. Fr. n. s. xxvii. 492.

Genus, Species, and Author.		Horizon.	Locality.	Reference.
bicoronata,	Sndbrgr.	M.	Vilmar.	Verstein. Nassau, p. 195.
bifida,	"	M.	" Lahnstein (red ironst.), Sitka (Poland).	" 185; Zeuschner, Zeitsch. xxi. 271.
bijugata,	Eichw.	Dolomitic Pent. L'st.	Bogoslvsck, Lake Peterpaul (Altai) ...	Lethæa Rossica, p. 1167.
bilineata,	Goldf.	Crystalline Dolomite.	Pafrath, Sötenich, Elberfeld, Nehou, Izé, Ezquerria del Bayou, Lower Duna and Velicaja valleys.	Verstein. Nassau, p. 204; Grewingk, Geol. Livonia (on the map).
binodosa,	Ad. Röm.	Stringoc. and Iberg Limest., M., U.	Vilmar, Grund	Verstein. Harz, 1843, p. 29.
Bischoffii,	Goldf.	M.	"	Petref. German. iii. 65.
Bodana,	Ad. Röm.	Dark Iberg Limest., U.	Bergfeldes, N.W. Harz	Palæont. D. & M. xiii. 231.
calculiformis,	Sndbrgr.	Stringoc. Limest., M.	Vilmar.	Verstein. Nassau, p. 193.
cancellata,	Phill.	Limest. Slate, U.	Newton Bush, Petherw., Pilton, Brushf.	Palæoz. Foss. Devon, p. 96.
canaliculata,	Ferd. Röm.	Dolomite M.	Visé on river Berwine?, Belgium	Horion, Bull. Soc. Géol. Fr. n. s. xvii. 60.
capillaria,'	Conrad.	Ham. M.	Cazenovia, Lake Skeneates, &c. (N.Y.)	XV. Rep. Regents N. Y. p. 45.
carinata,	Sow.	"	Gympsie, Queensland (Australia)	Etheridge, Quart. Journ. xxviii. 332.
catenulata,	D'Arch. & V.	String. L'st. & c., L., M.	Chillon (Spain), Rben. Pruss., Vilmar.	Bull. Soc. Géol. Fr. n. s. xii. 1015.
cavumbilicata,'	Winch.	Ham. M.	Litt. Trav. Bay (L. Mich.), Plurot.-beds.	Rep. Michig. 1866, Append. p. 96.
centrifuga,	Ad. Röm.	Iberg Limest., U.	Grund	Verstein. Harz, p. 28.
Chauvini,	Rouault.	M.	Izé (Ille et Vilaine)	Bull. Soc. Géol. Fr. n. s. viii. 384.
cirriformis,	Sow.	Limest. M.	Plymouth	Trans. G. S. L. ser. 2, vi. 389.
celata,	Goldf.	M.	Eifel	Petref. Germ. iii. 61.
cornu-arietis,	Sndbrgr.	Stringoc. Limest., M.	Vilmar.	Verstein. Nassau, p. 185.
costata,	D'Orb.	M.	Eifel	Petref. Germ. iii. 79.
costulata-canaliculata,	Sndbr.	Stringoc. Limest., M.	Vilmar.	Verstein. Nassau, p. 189.
crenatostriata,	"	Spirif. Sandst., L.	Kemmenau, Lahnstein, Langen-Schwalbach, Fachingen, Audenschneide, Haiger-Seelbach, Singhofen (Pterinaea schist), Daleiden, Ünkel, Laubach (Rbenish Prussia).	" 188.
Daleidensis,	Ferd. Röm.	Phyllade L.	Houffalize, Daleiden (Eifel)	D'Om. d'Hal. Précis Géol. 1868, p. 575.
decussata,	Sndbrgr.	Stringoc. Limest., M.	Vilmar, Pafrath.	Verstein. Nassau, p. 196.
var. 1. typus,	"	M.	"	" 197.
Orbignyana, D'Arch. & V.	"	"	"	"
var. 2. sinistrorsa, Sndbrgr.	"	M.	"	"
var. 3. elegans, "	"	M.	"	"
Beaumonti, D'Arch. & V.	"	"	"	"
var. 4. evexicosta, Sndbrgr.	"	M.	"	"
var. 5. inequiplicata, "	"	M.	"	"
var. 6. tenuicanaliculata,	"	M.	"	"
Sndbrgr.	"	"	"	"
var. 7. dimidiata, "	"	M.	"	"
var. 8. parvicosta, "	"	M.	"	"
var. 9. geminata, "	"	M.	"	"
De Franci, D'Arch. & V.	"	M.	" carboniferous at Visé (Belg.).	Trans. G. S. L. ser. 2, vi. 360.
Delphinulaformis, Sndbrgr.	"	M.	" Pafrath, Grasi on river Matyra (Russia), Lower Duna valley, (Livonia).	Verstein. Nassau, p. 188; Grewingk, Geol. Livonia; Helmers. Beiträge &c. iii. 97.
var. a, D'Arch. & Vern.	"	M.	Pafrath	Trans. G. S. L. ser. 2, vi. 339.
Delphinuloides,	Goldf.	M.	Nisme (Belgium)	D'Om. d'Halloy, Précis Géol. p. 576.
dentatolimata,	Sndbrgr.	Cypriid. Sch., U.	Oberscheld (ferrug. limest.)	Verstein. Nassau, p. 201.
Delia,'	Billings.	Limest. no. 8, L.	Grand Grève, Gaspé (Canada East).	Geol. Surv. Pal. Foss. ii. 61.
deperdita,	De Koninck.	M.	Chimay, Belgium (in M.S.)	Trans. G. S. L. ser. 2, vi. 189.
depressa,	Pacht.	M.	Lower Duna valley (Livonia)	Grewingk, Geol. Livon. p. 40.
Doris,'	Hall.	UHL.	Schoharie, Clarence Hollow (N. Y.)	XV. Rep. Regents N. Y. p. 43.
Emmetensis,'	Winch.	Ham. M.	Little Traverse Bay (Michig. Lake)	Rep. Michig. 1866, Append. p. 96.
Euryomphalus,	Sndbrgr.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 199.
euomphalus,	"	M.	"	" 187.
euomphaloides,'	Hall.	Ham. Shales, M.	Hamilton, Madison, & Schoharie Co., Fultonham (N. Y.).	XV. Rep. Regents N. Y. p. 47.
exaltata,	D'Arch. & V.	M.	Refrath	Trans. G. S. L. ser. 2, vi. 389.
expansa,	Phill.	U.	Baggy Point, N. Devon (carb. Bolland).	"
exsiliens,	Sndbrgr.	Stringoc. Limest., M.	Vilmar.	Verstein. Nassau, p. 200.
falcifera,	"	Cypriid. Sch., U.	Eibach (Nassau), Enkeberg (Brilon), ironstone.	" 192.
fasciata,	"	Stringoc. Limest., M.	Vilmar.	" 190.
Gosseleti,	H. le Hon.	M.	Nisme (Belg.)	Bull. Soc. Géol. Fr. n. s. xxvii. 492.
gracilis,	Phill.	U.	Brushford, Baggy Point	Trans. G. S. L. n. s. vi. 389.
Hebe,'	Hall.	UHL.	Western New York	XIV. Rep. Regents N. Y. Append. p. 105.
Hickmanensis,'	Winch.	U.	Tennessee	Proc. Amer. Phil. Soc. xii. 257.
Huronensis,'	"	Portage Group, U.	Lighthouse, Point aux Barques (S.W. Lake Huron).	Geol. Rep. Michigan, 1862, p. 425. [p. 398.
imbricata,	Ad. Röm.	Iberger Limest., U.	Grund, Newton Bushel	Verst. Harz, p. 28; M'Coy, Br. Foss.
inpendens,	Sow.	Limestone, M.	Plymouth, Hope, Newton.	Palæoz. Foss. Devon, p. 98.
Isaaci,'	Hull & Whitf.	UHL.	Waterloo (Iowa)	Description new Fossils, 1872, p. 19.
interstitialis,	Phill.	Slate U.	Petherwin	Brit. Palæoz. Foss. p. 398.

Genus, Species, and Author.		Horizon.	Locality.	Reference.
Kearneyi,	Hall.	UHL. and Cornif. Limest., L.	Erie Co. (Ohio), New York	XIV. Rep. Regents N. Y. p. 105.
Keyserlingi,	Pacht.	M.	Middle Duna valley	Grewingk, Geol. Livon. p. 39.
lævis,	Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 37.
lenticularis,	Goldf.	M.	Vilmar	Petref. Germ. iii. 65.
limbata, var.,	Phill.	Limestone, M.	Paßrath (carb. Visé, Bolland)	Trans. G. S. L. ser. 2, vi. 361.
lineata,	Hall.	Ham. Shale, M.	Seneca and Cayuga Lakes (N. Y.), Louisville (Kentucky).	XV. Rep. Regents N. Y. p. 44; Yand. & Shum. Contrib. p. 33.
Londalei,	D'Arch. & V.	Stringoc. Limest., M.	Vilmar	Trans. G. S. L. n. s. vi. 359.
Lucina,	Hall.	Cornif. Limest., L.	Helderberg Mountains, Williamsville, Clarence Hollow; river Ohio Falls.	XV. Rep. Regents N. Y. p. 42.
Lydia,	Billings.	Limest. no. 8, L.	Indian Cove, Gaspé (Canada E.)	Canada Surv. Pal. Foss. ii. 62.
macrostoma,	Sndbrgr.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 195.
marginata,	Münst.	M.	Eifel	Goldf. Petref. Germ. iii. 66.
Matyrensis,	Helm.	L.	Grasi (river Matyra), Kamenoje, river Samowetz.	Helmersen, Beiträge &c. p. 99.
minima,	Ad. Röm.	Wissenb. Sch., M.	Steinberg	Palæont. D. & M. iii. 80.
monolifera,	Phill.	Limestone, M.	Newtou (S. Dev.), carb. Bolland, Visé	Pal. Foss. Devon, p. 97; Trans. G. S. L. ser. 2, vi. p. 389.
mucro,	Winch.	Ham. dolomitic, M.	Grand Traverse Bay (Michig. Lake)	Amer. Journ. Science, xxxiii. 354.
Murchisonii,	Goldf.	M. ?	Eifel	Petref. Germ. iii. 62.
naticiformis,	Sndbrgr.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 193.
Nerinae,	"	"	"	203.
nodomarginata,	M'Chesney.	Ham. Shale, M.	Batesville (Arkansas)	Trans. Acad. Sc. Chicago, i. 47.
nodulosa,	Sndbrgr.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, 200.
Orbignyana,	D'Arch. & Vern.	" " M.	"	Trans. G. S. L. ser. 2, vi. 359.
var. a,	"	" " M.	"	"
var. b,	"	" " M.	"	"
Pales,	D'Orb.	M. ?	Eifel	Goldf. Petref. Germ. iii. 79.
parvispira,	Winch.	Ham. ....M.	Little Traverse Bay (Lake Michig.)	Rep. Michigan, 1866, Append. p. 96.
planannulata,	Sndbrgr.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 193.
Poulsoni,	Conrad.	Onond. Limest., L.	Western New York	XIV. Rep. Regents N. York, Append. p. 103.
pusilla,	Eichw.	Ferrug. Limest., M.	Bouregghi (Russia)	Lethæa Rossica, p. 1179.
quadriceincta,	Goldf.	M.	Vilmar	Petref. German. iii. 62.
quadrilineata,	Sndbrgr.	Stringoc. Limest., M.	"	Verstein. Nassau, p. 202.
rota,	Winch.	Red Sand. 5th bed, U.	Burlington (Iowa)	Proc. Acad. Nat. Sc. Philad. 1863, p. 19.
rotalia,	Hall.	Ham. Shale, M.	Pratt's Falls (N. Y.)	XV. Rep. Regents N. Y. p. 46.
? rotunda,	Conrad.	Cornif. Limest., L.	New York	XIV. " 103.
rotundata,	Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. v. 35, xiii. 231.
rugulata,	Hall.	Goniat. L'st., low, M.	Schoharie Co.	XIII. Rep. Regents N. Y. p. 108.
scalaris,	Sndbrgr.	Wissenb. Sch., M.	Zeigenberger Teiche	Palæont. D. & M. iii. 15.
sigareta,	"	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 194.
squamatoplicata,	"	M.	" Usa-thal, Bad Nauheim (Hesse).	" 191.
striata,	Goldf.	L.	Ems	Petref. German. iii. 61.
subcarinata,	Ad. Röm.	Wissenb. Sch., M.	Wissenbach, Schulenberg (Harz)	Verstein. Nassau, p. 191; Palæont. D. & M. iii. 79, xiii. 207.
subclathrata,	Sndbrgr.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 198.
sublevis,	Ad. Röm.	Iberg Limest., U.	Grund	Verstein. Harz, 1843, p. 27.
subrectum,	Hall.	Cornif. Limest., L.	New York	Palæont. N. Y. iii. 172.
subsulcata,	Goldf.	M.	Vilmar	Petref. Germ. iii. 62.
subteniata,	D'Orb.	M.	Eifel	" 79.
subundulata,	Ad. Röm.	Iberg Limest., U.	Grund (Harz)	Verstein. Harz, 1843, p. 28.
subvittata,	D'Orb.	M.	Eifel	Goldf. Petref. Germ. iii. 79.
<i>Schizost. vittata.</i>				
sulcomarginata,	Conrad.	Ham. Shale, M.	Seneca Lake and in Madison Co. (N. Y.)	XV. Rep. Regents N. Y. p. 46.
suturalis,	Ferd. Röm.	Stringoc. & Iberg Limestone, M., U.	Lerbach, Büchenberg	Palæont. D. & M. xiii. 227.
tæniata,	Goldf.	M.	Vilmar	Verstein. Harz, 1843, p. 28.
tenui-arata,	Sndbrgr.	Stringoc. Limest., M.	"	Petref. Germ. iii. 79.
tricincta,	Goldf.	M.	Bensberg (Rhen. Pruss.)	Verstein. Nassau, p. 194.
trilineata,	Sndbrgr.	Orthoc. Schist, M. ?	"	Petref. Germ. iii. 61.
trilix,	Hall.	Ham. Shale, M.	Seneca Lake (N. Y.)	Verstein. Nassau, p. 202.
turbinea,	Schnur.	Cyprid. Sch., Goniat. Marl, U.	Oberscheld, Büdesheim (Eifel)	XV. Rep. Regents N. Y. p. 45.
undulata,	Ad. Röm.	Iberg L'st. &c., M., U.	Wissenbach, Grund	Sndbrgr. Verstein. Nassau, p. 192.
unisulcata,	Conrad.	UHL. ....L.	Schoharie Co. (N. Y.)	Verstein. Harz, 1843, p. 28.
Voltumna,	Billings.	Limest. no. 8, L.	Grand Grève, Gaspé (Canada East)	XV. Rep. Regents N. Y. p. 43.
Zeuxeri,	Ad. Röm.	Iberg Limest., U.	Grund	Canada Surv. Pal. Foss. ii. 61.
spec. indet.,	D. D. Owen.	Ham. ....M.	Rockingham	Palæont. D. & M. iii. 87.
"	Billings.	"M.	Bosanquet, Lake Erie (Canada West)	Rep. Minnesota &c. p. 624.
"	Kayser.	Goniat. and Cuboides Schist, U.	Eifel	Geol. Canada, 1863, p. 383.
"	Meek.	Ham. ....M.	River Clearwater mouth, Athabasca, Rupert's Land.	Zeitschrift &c. 1871, p. 374.
"	Tietze.	Clymenia Limest., U.	Ebersdorf	Trans. Acad. Sci. Chicago, i. pp. 63, 110.
				Palæont. D. & Z. xix. 141.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
spec. indet., D'Arch. & Vern.	Stringoc. Limest., M.	Paffrath	Trans. G. S. L. ser. 2, vi. 389.
" Keyserling.	Schist U.	River Uchta, Petschora-land (Ural)...	Reise Petschora-land, p. 264.
" Kayser.	Crinoid Sch., M.	Eifel	Zeitschr. &c. 1871, p. 367.
Rotella , Lamarck, 1822.			
helicinaeformis, Goldf.	Pentam. Limest., M.	Paffrath, Nisme (common)	Gosselet, MS. 1870, mecum; Trans. G. S. L. n. s. vi. 390.
microstoma, Eichw.	M.	Kirckholm, river Duna (Livon.), river Mouss (Russ.).	Lethæa Rossica, ii. 1163.
Wurmii, Ad. Röm.	Iberg Limest., U.	Grund	Verstein. Harz, 1843.
Scalaria , Lamarck, 1801.			
antiqua, Münster.	Older Orthoc. L. st. U.?	Elbersreuth (Falconia)	Beiträge &c. i. 61, iii. 30, 84.
Schizostoma , Brown, 1835.			
bistriata, Münster.	Orthoc. Limest., U.	"	iii. 86.
carinata, Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 38, xiii. 231.
contraria, Münster.	Clym. Limest., U.?	Schübelhammer	Beiträge &c. iii. 87.
Puzosii, D'Arch. & Vern.	M.	Eifel	Trans. G. S. L. ser. 2, vi. 365.
radiata, " Münster.	M.	" Newton (S. Devon)	364.
tricincta, " Münster.	Orthoc. Limest., U.?	Elbersreuth	Beiträge &c. Heft iii. 87.
Scoliotoma , Max. Braun, 1838.	Vermetus , Adamson, 1757.		
annulosa?, ?	M.	Torquay &c.	Etheridge, Catalogue.
conoidea, Sndbrgr.	Cyprid. Limest., U.	Oberscheld (in ferrug. limest.)	Verstein. Nassau, p. 226.
crassilabrum, " Sndbrgr.	String. Limest., M.	Vilmar, Lahmstein (ironstone), Nowa Slupia (Poland).	Zeuchn. Zeitsch. Berlin, xxi. 267.
Dannebergii, Braun.	" M.	Vilmar.	Trans. G. S. L. n. s. vi. 388.
expansilabrum, Sndbrgr.	" M.	"	Verstein. Nassau, p. 225.
gracile, " "	" M.	"	" " "
megalostoma, " "	" M.	"	224.
textata, Phill.	" M.	Torquay?	Quart. Journ. G. S. L. xxiii. 628.
Straparollus , Montfort, 1808.	Euomphalus , Sow.	Maclurea , Ophileta, Hall,	1847.
Ammon, W. & W.	U.	New York, Pennsylvania, Iowa	Proc. Amer. Phil. Soc. 1870, p. 393.
Euomph. depressus?, Hall.			
? Canadensis, Billings.	Cornif. Limest., L.	Haldimand Co., L. Erie (Canada W.).	Canada Journ. n. s. vi. 359.
cyclostoma, Hall.	Ham. M.	Pine Creek, New Buffalo (Iowa)	Report Iowa, ii. 516.
macromphalus, Winch.	Yellow Sands, U.	Burlington (beds 1 & 6) (Iowa)	Proc. Acad. Nat. Sc. Philad. 1863, p. 20.
Strophostylus , Hall, 1859.			
Andrews, Hall.	Orisk. Sand., L.	Cumberland Co. (Maryland)	Hall, Palæont. N. Y. iii. 472.
expansus, Conrad.	" L.	Albany and Schoharie Counties (N.Y.).	" " " 470.
Matheri, Hall.	" L.	Cumberland Co. (Maryland)	" " " 471.
unicus, " "	" L.	"	" " " 470.
Trochus , Linnaeus, 1758.			
acies, Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 37, xiii. 231.
angulosus, Høningh.	?	Eifel	Goldf. Petref. Germ. iii. 49.
Bouei, Steininger.	Limestone, M.	Paffrath, Newton (S. Devon), Eifel	Trans. G. S. L. ser. 2, vi. 389.
? canaliculatus, Ad. Röm.	U.?	Grund	Palæont. D. & M. xiii. 231.
Devonicus, D'Orb.	M.	Vilmar	Prodrome, i. 64.
Ivanii, var., D'Arch. & V.	M.	" Paffrath (Carb. Tournai)	Trans. G. S. L. ser. 2, vi. 359.
multispira, Sndbrgr.	Stringoc. Limest., M.	Ebersdorf	Verstein. Nassau, p. 218.
Neptuni, Münster.	Clymen. Limest., U.	Schübelhammer, Gattendorf	Beiträge &c. iii. 88.
Nessigi, Ad. Röm.	Spirif. Sandst., L.	Rammelsberg, Kahleberg, Herzberg	Verstein. Harz, 1843, p. 29.
oxygonus, Ferd. Röm.	" L.	Kahleberg, in nodule	" " "
Petræos, Münster.	Clymen. Limest., U.	Schübelhammer	Beiträge &c. Heft iii. 88.
tricinctus, Ad. Röm.	Spirif. Sandst., L.	Rammelsberg, Goslar (Harz)	Palæont. D. & M. v. 14.
Turbo , Linnaeus, 1758.			
amictus, D'Orb.	Carbonaceous?	Ratingen (Prussia)	Petref. German. iii. 51.
armatus, Goldf.	Calc. Ironst. Sch., M.	Bensberg, Sötenich, Gerolstein, Devonshire.	Lethæa Geogn. i. 453.
bicingulatus, Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 36.
bicostatus, " "	" U.	"	" v. 35, xiii. 231.
canaliculatus, " "	" U.	"	Verstein. Harz, 1843, p. 30.
carinatus, Sow.	" U.	Oberscheld	Trans. G. S. L. 2nd ser. vi. 388.
cirriformis, " "	M.	Torquay, Plymouth	703.
cœlatus, Goldf.	Clymen. Limest., U.	Eifel, Thuringia, Magwitz, Zeigelei	Verstein. Grauwacke form. Sax. ii. 86; Zeitschrift &c. Berlin, xxi. 339.
cyclostomoides, Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 37, xiii. 231.
Dannenbergi, Goldf.	M.	Vilmar	Petref. iii. 91; Palæont. D. & M. iii. 37, xiii. 231.
exsertus, Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 36.
inaequilineata, Sndbrgr.	Stringoc. Limest., M.	Oranienstein (Nassau)	Verst. Nassau, p. 217.
inflatus, Münster.	Clymen. Limest., U.	Schübelhammer, Ebersdorf	Beiträge &c. iii. 90.
Januarius, Verneuil.	"	Les Courtoisiers, La Sarthe	Bull. Soc. Géol. Fr. n. s. vii. 779.
lineatus, Goldf.	M.	Vilmar	Petref. Germ. iii. 91.
Minerva, D'Orb.	M.	Bensberg	Prodrome, i. 90.
mutabilis, Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 36, xiii. 231.
Mysis, D'Orb.	U.	Elbersreuth	Münst. Beiträge &c. iii. 85.
striatus.			
Nerei, Münster.	U.	"	" " " 89.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
octocinctus, Ad. Röm.	Iberg Limes., Greenst. tuff, U.	Eifel, Grund, Magwitz	Verstein. Harz, 1843, p. 30; Geinitz, Verst. Grauwacke Saxony.
opis, D'Orb.	M. ?	.....	Prodrome, i. 67.
semicostatus.	Münst.	U.	Elbersreuth
ovatus, D'Orb.	Clymen. Limest., U.	Schübelhammer	Münst. Beiträge &c. iii. 90.
Pelops, " "	U.	Elbersreuth	" " 83.
Perseus, " "	M.	Bensberg	" " 85.
quincuecinctus, Römeri, Goldf.	U.	Grund	Goldf. Petref. Germ. iii. 49.
Shumardi, D'Arch. & V.	Stringoc. Limest., M.	Vilmar, Limburg	Verstein. Harz, 1843, p. 27.
squamiferus, Sow.	Limestone, M.	Plymouth, Torquay	Geol. Rep. Ohio, i. 149.
subangulatus, Ad. Röm.	Spirif. Sand., L.	Kahleberg (in nodules)	Trans. G. S. L. ser. 2, vi. 358.
subgranulatus, Sow.	U.	Gattendorf, Schübelhammer	Ether. MS. mecum; Trans. G. S. L. ser. 2, v. 703.
granulatus, Münst.	M., U.	Newton Bushel, Elbersreuth (Bavaria).	Verstein. Harz, 1843, p. 29.
texatus, Münst.	Low. M.	Zeigenberger Teiche	Münst. Beiträge &c. iii. 86.
tricinctus, Ad. Röm.	Iberg Limest., U.	Grund, Visé? (Belg.)	Beiträge &c. iii. 89.
Wurmii, Keyserl.	U. ?	River Zilma, Great river Petschora (N. Russia).	Palæont. D. & M. xiii. 225.
spec. indet., Vern.	U.	Fiennes? (Boulonnais), Eifel	Verstein. Harz, 1843, p. 29; Bull. Soc. Géol. Fr. n. s. xvii. 60.
" Rouault.	M.	Vitré (Ille et Vil.)	Kerserl. Reise Petschoraland, p. 267.
" Billings.	Orisk. Sandst., L.	North Cayuga, Lake Erie (Canada W.).	Bull. Soc. Géol. Fr. n. s. xi. 256; Elie de Beaumont, Explic. Carte Fr. p. 782.
" Sndbrgr.	Quartzose Sandst., L.	Cape of Good Hope, S. Africa	Bull. Soc. Géol. Fr. n. s. iv. 321.
Turbonilla , Risso, 1826.	Loxonema , Phill.	Chemnitzia , D'Orb.	Logan, Geol. Canada, 1863, p. 161.
trochleata, Münst.	U.	Marxgrün, Elbersreuth	Quart. Journ. G. S. L. ix. 1, For. Mem.
spec. indet., " "	M.	Magwitzer Zeigelei	Gein. Verst. Grauwacke Saxony, p. 86.
Turritella , Lamarck, 1801.	No true <i>Turritella</i> in	Palæozoic rocks.—Ferd. Römer, 1872.	" " " "
abbreviata, Sow.	M.	Plymouth, Bradley (S. Devon)	Trans. G. S. L. ser. 2, v. 703.
antiqua, Münst.	Orthoc. Limest., U.	Elbersreuth	Beiträge &c. Heft iii. 88.
compressa, " "	U.	Nisme near Marien (Belg.), Elbersreuth (Mus. Teyler.)	" " " " 89; Bull. Soc. Géol. Fr. n. s. xxvii. 492.
Koninckiana, Goldf.	.....	Devonian of Ratingen?	Mus. Teylerianum.
lineata, Münst.	U.	Elbersreuth	Beiträge &c. iii. 89.
tenuicarinata, Vern.	Wissenb. Sl., low. M.	Wissenbach	" " " "
spec. indet., Geinitz.	Greenst. tuff, M.	Magwitz (Saxony)	Trans. G. S. L. ser. 2, vi. 358.
Vermetus , Adanson, 1757.	= Scoliotoma , M.	Max. Braun, 1838.	Geinitz, Verstein. Grauwacke Saxony, [p. 42.]
annulosus, ?	M.	Torquay &c.	Etheridge MS. Catal. mecum.
antitorquatus, Phill.	M., U.	Rhine, Torquay, Petherwin (Cornwall)	Quart. Journ. G. S. L. xxvii. 628.
Xenophora , Fischer, 1806.	Trochita ?, Meek.	Monclova, Lucas Co. (Ohio)	Proc. Acad. Nat. Sc. Philad. 1871, p. 82.
antiqua, Meek.	Cornif. Limest., L.		

MOLLUSCA. PROVINCE ODONTOPODIA. CLASS CEPHALOPODA.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Actinoceras , Bronn, 1834.	Conotabularia , Spirif. Sandst., L.	Troost. Gonio , Hall, 1847.	
triangulare, D'Arch.	.....	Granethal (Harz)	Palæont. D. & M. xiii. 222.
Bactrites , Sandberger, 1847.	Orthoceras , Sten	oceras , D'Orb.	
angulifrons, D'Arch. & V.	Wissenb. Sl., M.	Paffrath	Trans. G. S. L. ser. 2, vi. 384.
carinatus, Münst.	Domanik Sc., L., M., U.	Ust-Uchta, Wissenbach, Cramberg, Lerbach, Büdeshiem, Elbersreuth, Kleinlinden.	Lethæa Rossica, ii. 1262; Verstein. Nassau, p. 129.
gracilis.	Orthoc. Sch. & L'st., Cyprid. Sch.	Grund	Palæont. D. & M. v. 36, xiii. 232.
compressus, Ad. Römer.	Iberg Limest., U.	.....	" " " " iii. 88, "
cylindricus, D'Arch. & V.	Wissenb. Sl., L.	Wissenbach	Trans. G. S. L. n. s. vi. 385.
Dannenberghii, Phill.	L., M., U.	" Frasn, Dinant. Givet (Couvin).	" " " " 386;
subconicus, D'Arch. & V.	U.	Elbersreuth	Gosselet, MS. 1870, mecum.
subflexuosus, D'Arch. & V.	L.	Wissenbach	Trans. G. S. L. ser. 2, vi. 385.
triangulare, " "	L.	"	" " " " 386.
Wissenbachii, " "	L.	"	" " " " "
" var., " "	L.	"	" " " " "

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Cameroceras , Conrad, 1843?	Orthoceras , M.	elia , Fischer, 1830. Siphon lateral,	very wide.
Campulites , DesHayes, 1832.	Phragmoceras ,	Broderip , 1839. Oncoceras , Hall,	
Clymenia , Münster, 1839.	Trocholites , Conrad, 1832.	Endosiphonites , Ansted,	1840.
acuticostata, Braun.	 U.	Schübelhammer	Münst. Beiträge &c. v. 126.
adversa, Richter.	Clymen. Limest., U.	Saalfeld	Richter, Pal. Thuring. p. 29.
angulosa, Münster.	" " U.	Schübelhammer, Elbersreuth, Gatten-	Guimbel, Palæont. D. & M. xi. 149;
<i>Nautilus</i> , Richt.	" " U.	dorf, Teufelsberg.	Beiträge &c. i. 40.
var. semicostata, "	" " U.	Schübelhammer, Elbersreuth, &c. ...	Beiträge &c. i. 40.
angustiseptata, "	" " U.	Enkeberg, Saalfeld, " Presseck,	M. xi. 120; 4, 36; Palæont. D. &
<i>Trocholites</i> .		Petherwin.	Richter, Palæont. Thuring. p. 10.
annulata, "	" " U.	Schübelhammer, Geigen, Planitz,	Palæont. D. & M. xi. 130; Beiträge
<i>Trocholites</i> .		Ebersdorf, Regnitzlosau.	&c. i. 42.
annulosa, "	" " U.	Schübelhammer	D'Orb. Prodrome, i. 57.
Beaumontii, "	" " U.	Gattendorf (Fichtelgebirge)	Guimbel, Palæont. D. & M. xi. 158.
bilobata, "	" " U.	Hof, Schübelhammer,	" " " 147;
		Thüringerwald.	Richter, Palæont. Thuring. pp. 10, 30.
binodosa, "	" " Black	" Ebersdorf, Schübelhammer,	Beiträge &c. i. 37; Palæont. D. & M.
	Marble, U.	Saalfeld.	xi. 134.
var. a. nodosa, "	Clymen. Limest., U.	Fichtelgebirge	Trans. G. S. L. ser. 2, vi. 384.
bisulcata, "	" " Black	Schübelhammer, Planitz, Magwitz,	Beiträge &c. iii. 93; M'Coy, Brit. Pal.
	Limest., U.	Marxgrün, Geiser, Geigen, Thuringia,	Foss. p. 401.
		S. Petherwin.	
brevicostata, "	Loose Limest., U. ...	Thüringerwald	Leonh. & Br. Neues Jahrb. 1856, p. 625.
campanulata, "	Clymen. Limest., U.	Saalfeld	Richt. Palæont. Thuring. pp. 10, 29.
<i>plicata</i> .			
cincta (Trocholites),	" " U.	Fichtelgebirge, Schübelhammer	Beiträge &c. i. 37.
complanata, Hall.	Ham. and Portage	Mount Morris, Cashagua Creek, 18-	XV. Rep. Regents N. Y. p. 63.
	Shales, M., U.	mile Creek, &c. (N. Y.).	
compressa, Münster, Guimbel.	Limestone, U.	Marxgrün, Saalfeld, Schübelhammer,	Richt. Pal. Thur. p. 29; Palæont. D.
<i>Nautilus</i> .		Geiser.	& M. xi. 129.
var. costata, "	" " U.	Fichtelgebirge	Trans. G. S. L. ser. 2, vi. 384.
costulata, "	Orthoc. Limest., U. ...	Gerlas, Geiser, Gattendorf, Schübel-	Beiträge &c. iii. 94.
<i>striata, semistriata, plana</i> .		hammer.	
crispa, Tietze.	Clymen. Limest., U.	Ebersdorf	Palæont. D. & Z. xix. 135.
cristata, Richter.	Cyprid. Sch., U.	Ober-Steinach	Credner, Verhältniss &c. p. 18; Richt.
			Pal. Thuring. p. 31.
dorsocostata, Münster.	Clymen. Limest., U.	Schübelhammer	Beiträge &c. iii. 93.
dorsonodosa, Braun.	Dark Shale, U.	Upper Franconia	Münst. Beiträge &c. v. 126.
dorsorostata, Münster.	 U.	Geiser, Gerlas, Gattendorf, Schübelh.	Geinitz Verst. Grauw. Sax. pl. 16.
Dunkeri, "	Limestone, U.	" Planitz, Gattendorf, Schübel-	" " " p. 36.
<i>Trocholites</i> .		hammer.	
Erato, Hall.	Upper Ham. M.	Fall Brook, Paterson's Creek, Moscow	XV. Rep. Regents N. Y. p. 64.
		(N. Y.).	
falcifera, Münster.	Pale Limest., U.	Geiser	Beiträge &c. v. 125.
fasciata, Phill.	Slates &c., M.	Gattendorf?, Lanlake, S. Petherwin...	Phill. Palæoz. Foss. Devon, p. 125.
<i>Trocholites</i> .			
flexuosa, Münster & Guimbel.	Clymen. Limest., U.	Presseck, Marxgrün, Saalfeld, Geiser,	Palæont. D. & M. xi. 126; Trans. G.
		Schübelhammer, &c., Petherwin.	S. L. 2nd ser. vi. 126.
Haueri, Münster.	" " U.	Schübelhammer, Ebersdorf	Palæont. D. & M. xi. 159.
inequistriata, var. el-	" " U.	Fichtelgebirge	Trans. G. S. L. ser. 2, vi. 384.
liptica, "	" " U.	Schübelhammer	Beiträge &c. i. 4.
inflata, "	" " U.	Gattendorf (Fichtelgebirge), Saalfeld	Palæont. D. & M. xi. 158.
<i>Trocholites</i> .		(Guimbel).	
intermedia, "	" " U.	Schübelhammer	Beiträge &c. v. 126.
interrupta, Braun.	" " and	Torquay, Lanlake, Petherwin, Gatten-	Phill. Palæoz. Foss. Devon, p. 124;
lævigata, Münster.	Slates, U.	dorf, Schübelhammer, Ebersdorf,	Quart. Journ. G. S. L. xix. 484;
		Bredelar, Geigen, Köstenberg,	M'Coy, Brit. Pal. Foss. p. 402;
		Heinersreuth, Eibenbusch, Kahlleite,	Palæont. D. & M. xi. 185; Beiträge
		Pahren.	iii. 3, 33.
var. a. cingulata, "	Limestone, U.	Languenau, Schlietz, Saalfeld, War-	Palæont. D. & M. xi. 137.
		stein, Teufelsberg by Hof, Geigen,	
		Kostenberg, Enkelberg, Heimers-	
		reuth, Plawetzberg, &c.	
" β. semicingulata, "	 U.	Fichtelgebirge	Beiträge &c. i. 36.
" γ. semiplicata, "	Clymen. Limest., U. ...	"	" "
" δ. nana, "	" " U.	"	" "
" ε. speciosa, "	" " U.	Schübelhammer, Saalfeld	" "
lævis, Richter.	" " U.	Fichtelgebirge	Palæont. Thuring. p. 30.
lata, Münster.	" " U.	"	Beiträge &c. i. 36.
Münsteri, M'Coy.	" " U.	Petherwin, Lanlake (Cornwall)	Brit. Pal. Foss. tab. 2A.
parvula, Münster.	" " red	Elbersreuth, near Heinersreuth	Beiträge &c. i. 8.
	Limest. breccia, U.		
Pattisonii, M'Coy.	Limestone, U.	Petherwin	Brit. Pal. Foss. tab. 2A.

Genus, Species, and Author.		Horizon.	Locality.	Reference.
planorbiformis,	Münst.	Clymen. ... U.	Gattendorf	Guimbel, Palaeont. D. & M. xi. 161.
pleuriseptata,	Phill.	Limestone, U.	Petherwin, Lanlake (Cornwall)	Salter, Quart. Journ. G. S. L. xix. 484.
pseudogoniatis,	Sndbrgr.	" U.	Rhenish Prussia	Verstein. Nassau, 1856, p. 348.
quadrifera,	M'Coy.	" U.	Petherwin	Brit. Pal. Foss. tab. 2A.
sagittalis,	Phill.	" U.	" Lanlake	Salter, Quart. Journ. G. S. L. xix. 484.
spinosa,	Münst.	Clymen. Limest., U.	Enkeberg (Westph.), Schübelhammer.	Guimbel, Palaeont. D. & M. xi. 132.
striata,	"	" " U.	Ebersdorf, Teufelsberg (Hof), Saalfeld, &c.	" " " 144.
subarmata,	"	" " U.	Schübelhammer, Gattendorf, Saalfeld.	" " " 157.
subnodosa,	"	Clym. L'st. breccia, U.	(Fichtelgebirge) Heinersreuth	Trans. G. S. L. ser. 2, vi. 384.
tenuistriata,	"	" U.	" Schübelhammer.	Beiträge &c. i. 39.
trinodosa,	"	" & Slate, U.	Saalfeld (Thuringia)	Zeitschr. d. geol. Ges. Berl. 1869, xxi. 390.
undulata,	"	" U.	Etrœungt, Schübelhamm., Gattendorf,	Beiträge &c. i. 5; Phill. Pal. Foss.
linearis.	"	"	Kahleite, Ebersdorf, Paulsdorf, Geuser, Schleiz, Kostenberg.	Devon, p. 125; Guimbel, Palaeont. D. & M. xi. 140.
valida,	Phill.	Slates and Limest., U.	Petherwin, Lanlake (Cornwall)	Pal. Foss. Devon, p. 126.
spec. indet.,	Gosselet.	" U.	Etrœungt (N. France)	Gosselet, MS. 1870 (mecum).
Cochlioceras , Eichwald, 1860-61.	Vern.	Marly Limest., M.	Likhwine, river Don near Voroneje (Govt. Kalouga).	Lethæa Rossica, ii. 1252.
vermiculare,	"	"	"	"
Cyrtoceras , Goldfuss, 1833.	"	"	"	"
aeuto-costatum,	Sndbrgr.	Stringoc. ... M.	Vilmar	Verstein. Nassau, p. 144.
alternans,	Tietze.	Clymen. Limest., U.	Ebersdorf	Palaeont. D. & Z. xix. 139.
Ammon,'	Billings.	Cornif. Limest., L.	Rainham, Lake Erie (Canada W.)	Canad. Journ. n. s. vi. 361.
angusti-septatum,	Münst.	Clymen. Limest., U.	Enkeberg, Gattendorf, Elbersreuth, Petherwin.	Beiträge &c. iii. 105.
applanatum,	"	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 147.
arcuatum,	Phill.	Limest. in Slate, M., U.	Eifel, Petherwin	Trans. G. S. L. ser. 2, vi. 386.
armatum,	"	Limestone, M.	Torquay, Newton Bushel, Valdaï, Vitegra.	" " " ; Pal. Foss. Devon, p. 118.
Bdellalites,	"	Red Calcar. Sh., L., M.	Torquay, Meadsfoot, Mudstone Bay, &c.	Pal. Foss. Devon, p. 117.
Belus,'	Billings.	Cornif. Limest., L.	Haldimand Co. (Can. W.)	Canad. Journ. n. s. vi. 361.
bilineatum,	Sndbrgr.	Ferrug. Cypr. Sch., U.	Obersheld, Sitka (Poland), Prof. Zeuschner.	Verstein. Nassau, p. 143.
breve,	"	Orthoc. Sch., L.	Wissenbach	"
cancellatum?,	Ferd. Röm.	" M. ?	Rhenish Prussia, Bredelar (Westphalia).	D'Orb. Prodrome, i. 52.
<i>Gyroceras</i> .	"	"	"	"
cornucopia,	Sndbrgr.	Stringoc. & Clymen Limest., M., U.	Vilmar, Gattendorf	Verstein. Nass. p. 142; Geinitz, Verst. Grauwacke Saxony, p. 35.
costatum,	Münst.	"	"	Beiträge &c. i. 34.
depressum,	Goldf.	Iberg Limest., M., U.	Gerolstein, Bensberg, Paffrath, Grund.	Palaeont. D. & M. iii. 38; Leth. Geogn. i. 486; Trans. G. S. L. ser. 2, vi. 386.
var. carinatum,	D'Arch. & Vern.	" M.	Paffrath	Trans. G. S. L. ser. 2, vi. 386.
dubium,	Pacht.	Schist ... M.	Jeletz, Timan range, Zadonsk, &c.	Beitr. Russ. Reiches &c. p. 90.
fimbriatum,	Phill.	Limestone, M.	Torquay, Newton Bushel	Pal. Foss. Devon, p. 114.
flexuosum,	Schloth.	" M.	Eifel	Trans. G. S. L. ser. 2, vi. 386.
ibicinum,	Fischer.	" M.	Jeletz (Govt. Orel)	Lethæa Rossica, ii. 1295.
inclinatum,	"	" M.	" " "	" " "
<i>Orthoceras</i> .	"	"	"	"
Jason,'	Hall.	Schoh. Grit, L.	Schoharie Co. (N. Y.)	XV. Rep. Regents N. Y. p. 71.
lævis,	Sow.	" M.	Eifel	Trans. G. S. L. ser. 2, vi. 386.
lævigata,	Münst.	" U.	Schübelhammer	Mus. Teyler. p. 76.
lamellosum,	D'Arch. & Vern.	Stringoc. Limest., M.	Vilmar, Paffrath	Sndbrgr. Verstein. Nassau, p. 144.
lineatum,	Goldf.	" M.	(Eifel), Gerolstein, Paffrath	Trans. G. S. L. ser. 2, vi. 386.
Lujani, Vern. & Barrande.	"	" L.	Almaden, Herrera del Duque	Leonh. & Br. Neues Jahrb. 1856, p. 600; Bull. Soc. Géol. Fr. n. s. xii. 1015.
marginale,	Phill.	Limestone, M.	Torquay, Newton Bushel	Pal. Foss. Devon, p. 115.
Matheri,'	Conrad.	Cornif. Limest., L.	New-York State	XIV. Rep. Reg. N. Y. Append. p. 108.
Metula,'	Hall.	UHL	Clarence Hollow (N. Y.)	XV. " p. 72.
morsum,	"	"	"	" p. 71.
multiseptatum,	Ad. Röm.	Iberg Limest., U.	Grund	Palaeont. D. & M. iii. 38, xiii. 232.
multistriatum,	Ferd. Röm.	" M.	Rhen. Prussia, Grund, Paffrath	Pictet, Palaeont. ii. 653.
nautiloideum,	Phill.	Limestone, M.	" Eifel, Newton Bushel	Pal. Foss. Devon, p. 116.
nodosum,	"	" M.	Plymouth, Newton Bushel	" " " p. 115.
obliquatum,	"	" M.	Torquay,	" " " p. 115.
ornatum,	Goldf.	Spirif. Sandst., L., M.	" Plymouth, Combe-Martin, Ilfracombe, Teignmouth, Paffrath, Elberfeld, Eifel.	Trans. G. S. L. ser. 2, vi. 349, 386; Phill. Pal. Foss. Devon, p. 115.
Ohioense,'	Meek.	Cornif. Limest., L.	Dublin, Franklin Co. (Ohio)	Proc. Acad. Nat. Sci. Phil. 1871, p. 86.
paradoxum,'	"	UHL	New-York State	XIV. Rep. Regents N. Y. p. 108.
plano-excavatum,	Sndbrgr.	Orthoc. Sch., L.	Gabelstein by Cramberg	Verstein. Nassau, p. 145.
quindecimale,	Phill.	Limestone, M.	Torquay, Newton Bushel	Pal. Foss. Devon, p. 114.
reticulatum,	"	" M.	Newton Bushel	" " " p. 117.
rusticum,	"	" U.	Petherwin, Lanlake (Cornwall)	Quart. Journ. G. S. L. xix. 484.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
spinosum, ' Hall.	Schoh. Grit, L.	Ulster and Schoharie Cos., Helderberg Mountains.	XV. Rep. Regents N. Y. p. 69.
subconicum, Sndbrgr.	Stringoc. Limest., M.	Vilmar, Paffrath, Newt. Bush., Gerolst.	Verstein. Nassau, p. 146.
subcostatum, Eichw.	Limestone, L.	River Serena (Kalouga)	Lethæa Rossica, ii. 1294.
subdepressum, Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 30.
subornatum, M'Coy.	M.	Torquay, Plymouth	Brit. Pal. Foss. p. 405.
subplicatum, Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 38, xiii. 232.
subrugosum, D'Orb.	L.	La Manche (France), Nehou	Pictet, Palæont. ii. 653.
subventricosum, D'Arc. & Ver.	M.	Refrath, Eifel	Trans. G. S. L. ser. 2, vi. 351.
tentaculatum, Münst.	Transit. Limest., M.	Eifel	Beiträge & c. i. 57.
teres, Ad. Röm.	Iberg Limest., U.	Grund	Verstein. Harz, 1843, p. 35.
tetragonum, D'Arch. & Vern.	Stringoc. ....M.	Rhenish Prussia, Eifel	Trans. G. S. L. ser. 2, vi. 386.
transversum, ' Hall.	Goniatic Limest., M.	Manlius (N. Y.)	XIII. Rep. Regents N. Y. p. 104.
tridecimale, Phill.	Limestone, M.	Torquay, Newton Bush., Eifel, Belgium.	Pal. Foss. Devon. p. 114.
trivolis, ' Conrad.	Cornif. Limest., L.	Helderberg Mounts. Schoharie, Water-ville, Cassville, Oneida, Onondago Counties.	XV. Rep. Regents N. Y. p. 65; Vanux. Geol. N. Y. p. 143.
ventrali-sinuatum, Sndbrgr.	Wissenb. Sch., U. ...	Wissenbach, Polsterholzberg, Claus-thal.	Palæont. D. & M. xiii. 211; Verstein. Nassau, p. 116.
ventricosum?, Steininger.	" Clay-slate, L.	Goslar	Verstein. Harz, 1843, p. 35.
undulatum, Ad. Röm.	" " " " M.	Upper Lerbach	Palæont. D. & M. iii. 18.
" Conrad.	Cornif. ....L.	Schoharie and Oneida Cos.	XV. Rep. Regents N. Y. p. 66.
ungulatum, Münst.	Orthoc. Limest., U.	Elbersreuth (Franconia)	Beiträge & c. i. 58, iii. 104.
Wiedanun, Ad. Röm.	Wissenbach, M.	Wieda	Palæont. D. & M. xiii. 209.
spec. indet., Etheridge.	M.	Haggington (N. Devon.)	Etheridge, Catal. MSS.
" T. M. Hall.	U.	Pilland quarry (Bradiford, N. Devon.)	Quart. Journ. G. S. L. xxiii. 359.
" Bonissent.	L.	La Manche (France)	D'Arch. Paléont. de France, p. 45.
" Grewingk.	M. ?	Velicaja river (mid-course to the sea).	Geol. Livonia & c.
" " " "	M.	Duna river " " " "	" " " "
Gomphoceras, Sowerby, 1839.	Apioceras, Fischer.	Poterioceras, M'Coy.	
Beta, ' Hall.	Schohar. Grit, L.	Schoharie Co. (N. Y.)	XV. Rep. Regents N. Y. p. 72.
compressum, Ad. Röm.	Spirif. Sandst., L.	Kahleberg (Harz)	Palæont. D. & M. iii. 4, xiii. 222.
Conradi, ' Hall.	Goniatic Limest., M. ?	Manlius (N. Y.)	XIII. Rep. Regents N. Y. p. 106.
<i>Apioceras.</i>			
eximium, ' Ad. Röm.	UHL. ....L.	Black rock (Buffalo, N. Y.)	XIV. " " p. 109.
ficus, Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 38, xiii. 232.
Fischeri, ' Hall.	Goniatic Limest., M. ?	Manlius (N. Y.)	XIII. Rep. Regents N. Y. p. 106.
inflatum, Goldf.	Givet & Cuboid. Sch., M., U.	Macon (Hainault), Gerolstein (Eifel).	Zeitschr. & c. 1871, p. 373; Gosselet, MS. 1870.
<i>Apioceras.</i>			
Naumannii, Geinitz.	Clymen. Limest., U.	Planitz, Oelnitz (Saxony)	Verstein. Grauwacke Saxony, ii. 32.
Olla, ' Ad. Röm.	UHL. ....L.	Columbus (Ohio)	Palæont. D. & M. iii. 163.
omicron, ' Winch.	Ham. ....M.	Little Traverse Bay (Lake Michigan).	Geol. Rep. Mich. Append. 1866, p. 97.
oviforme, ' Hall.	Goniatic Limest., M.	Manlius, Schoharie Co. (N. Y.)	XIII. Rep. Regents N. Y. p. 105.
<i>Apioceras.</i>			
Rex, Pacht.	M.	Jeletz, Borki, Zadonsk & c. (Russia)...	Lethæa Rossica, ii. 1268.
rotundum, Helmers.	Upper Dolomite, M.	Grasi on river Matyra	" " " " 1269.
sacculum, ' M. & W.	Ham. ....M.	White Sulphur Springs (Ohio)	Proc. Acad. Nat. Sci. Phil. 1865, p. 258.
subfusiforme, Münst.	Clymen. Limest., U.	Eifel, Bayreuth (Bavaria)	Pictet, Palæont. ii. 645.
subpyriforme, " " " "	" " " " U.	" Fichtelgebirge, Bayreuth, Kielce.	MVK. Geol. Russ. ii. 393; Pictet, Pal. ii. 645.
sulcatulum, Vern.	U.	Pskof, Lake Ilmen, river Don	Eichw. Lethæa Rossica, p. 1268.
Tanais, Helmers.	M.	Zadonsk (river Don)	" " " " p. 1269.
turbini-forme, ' M. & W.	UHL. ....L.	Charleston Landing	Proc. Acad. Nat. Sci. Phil. 1865, p. 258.
<i>Apioceras.</i>			
spec. indet., ' Worthen.	.....	Jackson Co. (Illinois)	Geol. Rep. Illinois, i. 1864?
" Kayser.	Cuboides Schist, U.	Eifel	Zeitschr. & c. 1871, p. 374.
" Grewingk.	?	Rivers Velicaja and Duna (passim)...	Grewingk, Geol. Livon. & Courland.
" Gosselet.	Givet Limest., M.	Ferrières (Belgium)	Gosselet, MS. 1870 (necum).
Goniatices, De Haen, 1825.	Aganides, Montfort, 1808.		
acuto-lateralis, Sndbrgr.	Ferr. Limest., Cypr. Sch., U.	Oberscheld	Verstein. Nassau, p. 98.
acutus, Münst.	Orthoc. & Clym. L'st., Domanik L'st., U.	Nehden, Saalfeld, Tegau, Elbersreuth, Marxgrün, Livonia, river Uchta, Tschudova.	Beiträge & c. iii. 110; Sndbrgr. Verst. Nassau, p. 105; MVK. Geol. Russ. ii. 394.
æquabilis, Beyrich.	Stringoc. L'st., Cypr. Sch., M., U.	Elbingerode, Oberscheld, Eibach	Verstein. Nassau, p. 94.
Altaicus, Eichw.	U.	Altai	Lethæa Rossica, ii. 1319.
amblylobus, Sndbrgr.	Clymen. Limest., U.	Nehden, Saalfeld	Verstein. Nassau, p. 105.
Ammon, Keyserling.	Iberg Limest., bituminous Sch., U.	River Uchta, Tinian Mountains, Archangel.	Palæont. D. & M. xiii. 232; Helmersen, Explic. Carte, p. 16.
anguliferus, Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 40.
angusti-septatus, Münst.	Marble breccia	Durrewald, Gattendorf	Beiträge & c. i. 13-35.
angustus, " "	Clymen. Limest., U.	Schübellhammer	" " " " 52.
annulatus, " "	Grey Limest., U.	Regnitzlosau by Hof, Ebersdorf	" " " " 25.
apertus, Richter.	Limestone, U.	Thüringerwald, Saalfeld, Pfaffenberg.	Richt. Palæont. Thuring. p. 36.
<i>intermedius?</i>			

Genus, Species, and Author.		Horizon.	Locality.	Reference.
arcuatus,	Münst.	Clymen. Limest., U...	Schübelhammer	Beiträge &c. i. 52.
auris,	Quenstedt.	Iberg Limest., Cypr. Sch., U.	Grund, Oberscheld, Budesheim	Sndbrgr. Verstein. Nassau, p. 105.
Becheri,	D'Arch. & Vern.	Calcar. ironstone, U.	Eibach (Nassau), Oberscheld	Lethæa Geogn. ed. 3, i. 514.
Beaumonti,	Münst.	Clymen. Limest., U...	Gattendorf	Beiträge &c. i. 48.
bicanaliculatus,	Sndbrgr.	Orthoc. Sch., Stringoc. L'st., Wissenb. Sch. and L'st., L., M.	Cramberg, Wissenbach, Seckshelden, Up. Lerbach, Laddekenberg (Weida), Newton Bushel.	Verstein. Nassau, p. 112; Pal. D. & M. iii. 19, ix. 1.
bicostatus,'	Hall.	Portage Gr ^p , U.....	New-York State	XIII. Rep. Regents N. Y. p. 103.
retrorsus,				
biferus,	Phill.	Cyprid. Sch., Clymen. Limest., U.	Weilburg, Enkeberg, S. Petherwin ...	Pal. Foss. Devon, p. 120.
var. delphinus,	Sndbrgr.	Clymen. Limest., U...	" "	Verstein. Nassau, p. 71.
biimpressus,	Von Buch.	 U.	Ebersdorf	Trans. G. S. L. ser. 2, vi. 382.
balanceolatus,	Sndbrgr.	Ferrug. L'st., Clymen. L'st., Cyprid.	Oberscheld, Haasenhuth, Enkeberg...	Verstein. Nassau, p. 71.
binodosus,	Münst.	 U.	Schübelhammer in nodules	Beiträge &c. i. 24.
bisulcatus,	Keyserl.	Iberg & Cypr., Goniatic & Domanik, U.	Petherwin, Lanlake, riv. Uchta (Petschora-land), Ebersdorf.	Palæont. D. & M. iii. 27; Quart. Journ. G. S. L. p. 484; MVK. Geol. Russ. ii. 394.
"	Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 39.
Bronni,	Münst.	Red Marble, Clymen. Limest., U.	Gerlas, Valhalla, Marxgrün, Älsnitz, Planitz, Geiser, &c.	Beiträge &c. i. 48, iii. 108.
Buchii,	D'Arch. & Vern.	Goniatic Sch. &c., M., U.	Brilon, Oberscheld	Trans. G. S. L. ser. 2, vi. 340-383.
Bucklandi,	Münst.	Clymen. Limest., U...	Schübelhammer, Thüringerwald	Beiträge &c. i. 52; Richter, Palæont. Thuring. p. 34.
calculiformis,	Beyrich.	Iberg & Goniatic L'st., U.	Grund, Frasne (Belgium), Fort Condé, Sessacher.	Verstein. Harz, 1843, p. 34.
canalifer,	Münst.	 U.	Schübelhammer	Beiträge &c. i. 51.
cancellatus, D'Arch. & Vern.		 M.	Brilon iron-mines (Westphalia)	Trans. G. S. L. ser. 2, vi. 382.
carbonarius,	Sow.	Passage-beds	Barnstaple (N. Devon.)	" " v. 703.
carinatus,	Beyrich.	Stringoc. & Cyprid. M., U.	Grund, Oberscheld	" " vi. 382; Verst. Nassau, p. 88.
Chemungensis,'	Conrad?	Chem. U.	New-York State	Vanux. Geol. N. Y. p. 182.
cinctus,	Münst. & Braun.	Bitum. Shale, Domanik, U.	Schübelhammer, Fichtelgebirge, river Uchta (Petschora-land), Mt. Timan, Ural, Archangel.	Beiträge &c. i. 55, v. 127.
circumflexifer,	Sndbrgr.	Orthoc. Sch., M., U...	Cramberg, Wissenbach, Riesbach (Harz).	Pal. D. & M. iii. 80; Verstein. Nassau, p. 111.
clavilobus,		Ironstone... U.	Konizug by Eibach	Verstein. Nassau, p. 67.
clymenia-formis,	Münst.	Grey Clym. L'st., U.	Gattendorf	Beiträge &c. i. 49.
compressus,	"	Orthoc. Sch., Wissenb. Sl., L., M.	Elbersreuth, Adorf, Mandersbach, Wissenbach, Zeigenberg Teiche, Newton Bushel?	Sndbrgr. Verst. Nass. p. 120; Beiträge &c. i. 25; Siluria, ed. 4, p. 395.
contiguus,	"	Shale U.	Schübelhammer	Beiträge &c. i. 28, 46.
costatus,	D'Arch. & Vern.	 U.	Eibach (Nassau)	Trans. G. S. L. ser. 2, vi. 382.
costulatus,	"	Goniatic Sch., M., U.	Brilon, Altenau	Palæont. D. & M. xiii. 232.
Cottai,	Münst.	Black Clymen. Sch., U.	Schübelhammer	Beiträge &c. i. 50.
cucullatus,	Von Buch.	 U.	Ebersdorf	Trans. G. S. L. ser. 2, vi. 382.
Dannenbergii,	Beyrich.	Wissenb. U.	Wissenbach (Nassau)	
"	De Haen.	 U.	Thüringerwald	Richt. Palæont. Thur. p. 32.
discoideus,'	Hall.	Marcell. Sh., M.	Manlius, Cazenovia, Schoharie Co.	XIII. Rep. Regents N. Y. p. 97.
diseus,	Ad. Röm.	Iberg L'st. & Culm., U.	North-west Harz	Palæont. D. & M. iii. 39, 95.
var. dorsicosta,	"	 U.	Grund	" " 40.
distortus,	Tietze.	Clymen. Limest., U...	Ebersdorf	" D. & Z. xix. 133.
divisus,	Münst.	Dark Limestone, U...	Gattendorf, Geigen	Beiträge &c. i. 18, 46.
linearis &c.				
evexus,	Von Buch.	Clymen. Limest., U...	Pelm	Trans. G. S. L. ser. 2, vi. 382.
excavatus,	Phill.	 M.	Torquay, Newton Bushel (Carb. also).	Pal. Foss. Devon, p. 121.
expansus,'	Vanux.	Marcell. Sh., M.	Marcellus, Manlius, Schoharie Co.	XIII. Rep. Regents N. Y. p. 96.
falcatus,	Ad. Röm.	Passage-bed, U.	Laudenthal (Harz)	Palæont. D. & M. iii. 50.
falcifer,	Münst.	Clymen. Limest., U...	Schübelhammer	" " ; Beiträge &c. iii. 106.
forcipifer,	Sndbrgr.	Cyprid. Sch., U.....	Eibach red ironstone	Verstein. Nassau, p. 81.
gracilis,	Münst.	Blk. Marbl. breccia, U.	Wissenbach, Schwarzenbach (Fichtelgebirge).	Beiträge &c. i. 26.
"	Quenstedt.	 U.	Dillenburg (Nassau), Buntebock (Harz).	Lethæa Geogn. ed. 3, p. 510.
globosus,	Münst.	 M., U.	Gattendorf, Newton Bushel, Torquay.	Beiträge &c. i. 16, 45.
Haueri,	D'Orb.	 U.	Fichtelgebirge	" " iii. pl. xvi.
Hæninghausii,	Bronn.	Limestone, M., U...	Frasnes, Bensberg, Refrath, Givet ...	Lethæa Geogn. ed. 3, p. 515.
Humboldtii,	Pusch.	 U.	Kielce (Poland)	MVK. Geol. Russ. ii. 394; Pusch, Pol ^d .
hybridus,	Münst.	Red Marbl. breccia, U.	Hurtigwagen, Gerlas (Franconia) ...	Beiträge &c. i. 15, 46. [p. 151.]
incertus,	D'Arch. & Vern.	.....	Brilon iron-mines (Westphalia)	Trans. G. S. L. ser. 2, vi. 383.
inconstans,	Phill.	 M.	South Devonshire, near Exeter	Pal. Foss. Devon, p. 123.
intermedius,	Münst.	Clymen. Limest., U...	Schübelhammer	Beiträge &c. i. 53.
interruptus?,'	H. D. Rogers.	Geness. Sl., M.	Pennsylvania	Geol. Penns. p. 829.

Genus, Species, and Author.		Horizon.	Locality.	Reference.
intumescens,	Beyrich.	Stringoc. L'st., Goniat. L'st., Cyprid. Sch., & Iberg L'st., M., U.	Grund, Oberscheld, Adorf, Eibach, Gessacher.	Verst. Nassau, p. 82; Ad. Röm. Verst. Harz, 1843, p. 33.
Jugleri,	Ad. Röm.	Wissenb. Clay-sl., L.	Schulenberg	Verstein. Harz, 1843, p. 34.
Lamed,	Sudbrgr.	Cyprid. Sch., U.	Schadeck by Runkel, Oberscheld	" Nassau, p. 90.
var. calculiformis,		Ironst. & Marl, M., U.	Budesheim, Grund	" "
var. complanatus,	Sudbrgr.	Red ironstone, U.	"	" "
primordialis,		U.	"	" "
var. cordatus,	"	U.	"	" "
var. latedorsatus,	"	U.	"	" "
affinis.				
var. rugosus,	"	U.	Usk-Uchta (Ural?)	" "
Ammon.				
var. tripartitus,	"	Stringoc. Limest., M.	Grund	" "
bisulcatus.				
lamellosus,	"	Cyprid. Sc., ironst., U.	Oberscheld, Frasnes (Belgium)	Gosselet, MS. 1870; Vorst. Nass. p. 85.
lateseptatus,	Beyr.	Orthoc. Sch., Wissenbach, L., M.	Tollethales (Goslar), Steinberg, Laddekenberg, Wissenbach, Mandersbach.	Verstein. Nassau, p. 117; Palaeont. D. & M. iii. 81, ix. 1, xi. 312, xiii. 225.
latestriatus,	D'Arch. & Vern.	Cyprid. Sch., U.	Eibach iron-mines	Trans. G. S. L. ser. 2, vi. 341; Verst. Nassau, p. 123.
latus,	Münst.	Marble breccia, U.	Gattendorf	Beiträge & c. i. 13.
lenticularis,	Richter.	Limestone, U.	Thüringerwald	Palaeont. Thuringia, p. 36.
linearis,	Münst.	Clymen. Limest., U.	Petherwin, Thuringia, Geigeu, Schübelhammer.	Pal. Foss. Devon, p. 120; Beiträge & c. i. 17, 45.
subsulcatus.				
lunulicosta,	Sudbrgr.	Cyprid. Schist, U.	Oberscheld, Eibach iron-mines	Verstein. Nassau, p. 70.
Lyoni,'	M. & W.		Ohio, Indiaua	Proc. Am. Phil. Soc. 1860, p. 471.
Mammilifer,	Sudbrgr.	Cyprid. Schist, U.	Oberscheld	Verstein. Nassau, p. 70.
Marcellensis,'	Conrad?	Marcell. Sh., M.	Marcellus & c. (N. Y.)	Vanux. Geol. N. Y. p. 146.
maximus,	Münst.	Marble drift, U.	Schübelhammer, Steinbruch	Beiträge & c. i. 22, 54.
micromphalus,	Ad. Röm.	U.	Upper Lerbach	Palaeont. D. & M. iii. 19.
mithrax,'	Hall.	UHL.	Columbus (Ohio)	XIII. Rep. Regents N. Y. p. 98.
multilobatus,	Beyrich.	L.	Oberscheld	Trans. G. S. L. ser. 2, vi. 383.
multiseptatus,	Von Buch.	L.	Eifel, Wissenbach	"
Münsteri,	"	Clymen. Limest., U.	Elbersreuth, Schübelhammer, Ebersdorf.	Beiträge & c. i. 19, 47.
Nöggerathi,	"	Wissenb. Sch., L.	Wissenbach (Nassau)	Trans. G. S. L. ser. 2, vi. 385.
nummularius,	Ad. Röm.	Iberg Limest., U.	Grund	Verstein. Harz, 1843, p. 35.
obscurus,	Münst.	Marble breccia, U.	Elbersreuth	Beiträge & c. i. 55.
orbicella,'	Hall.	Ham. Sh., M.	Endlowville, Cayuga Co. (N. Y.)	XIII. Rep. Regents N. Y. p. 99.
orbicularis,	Münst.	Shale	Schübelhammer	Beiträge & c. i. 20-48.
orbiculus,	Beyrich.	M.	Eifel	Trans. G. S. L. ser. 2, vi. 383.
Hæninghausenensis.				
ovatus,	Münst.	U.	Gattendorf by Hof, Fichtelgebirge	Beiträge & c. i. 14-44.
Ellipsolites ovatus.				
Patersoni,'	Hall.	Ham. Shale, Portage Sandst., M., U.	Paterson's Creek (N. Y.)	XIII. Rep. Reg. N. Y. p. 99, XV. 196.
pauciseptata,	Münst.	Orthoc. Limest., U.	Elbersreuth	Beiträge & c. i. 55.
paucistriatus,	D'Arch. & Vern.	U.	Oberscheld, Adorf (Princ. Waldeck)	Trans. G. S. L. ser. 2, vi. 383.
possoides,	Von Buch.	U.	Ebersdorf	"
Petraeos,	Münst.	Red Clymen. L'st., U.	Gattendorf by Hof	Beiträge & c. i. 45.
planidorsatus,		Brown U.	"	47.
planilobus,	Sudbrgr.	Cyprid. Sch., U.	Nehden, Saalfeld, Schulenberg.	Verst. Nassau, p. 105; Pal. D. & M. v. 19, xiii. 226.
"	Ad. Röm.	Calceol. Sch., M.	?	Leonh. & Br. Neues Jahrb. 1856, p. 256.
planus,	Münst.	Clymen. Limest., U.	Schübelhammer	Beiträge & c. i. 23.
porcellioides,	Tietze.	U.	Ebersdorf	Palaeont. D. & Z. xix. 132.
Preslyi,	Münst.	Grey Clymen. L'st., U.	Schübelhammer	Beiträge & c. i. 49.
primordialis,	Von Buch.	Goniat. Limest., U.	Grund, Goslar, Eifel	Kayser, Zeitschr. & c. 1871, p. 373.
punctatus,'	Courad.	Ham. M.	Solsville (N. Y.)	Vanux. Geol. N. Y. pp. 159, 163.
quadrupartitus,	Münst.	Grey Clymen. L'st., U.	Gattendorf	Beiträge & c. i. 46.
retrorsus,	Von Buch.	Domaniik Limest., U.	Vilmar, Matagne, Diuant, Frasnes	Palaeont. D. & M. ix. 7; Bull. Soc. Géol. Fr. n. s. xvii. 59; Helmers. Expl. Carte Russ. p. 16; Sudbrgr. Verstein. Nassau, pp. 105-110.
		Stringoc. & Goniat. L'st., M., Cyprid. Sch.	Couvin, Givet, Adorf, Oberscheld, Bergesfeldt, Nehden, Budesheim, Ebersdorf, Roop, Martenburg, river Uchta, Russia, Dorpat, Timan Mountains, New York.	
var. acutus,	Münst.	Cyprid. Sch., U.	Nehden, Saalfeld, Tegau, Elbersreuth, Marxgrün, Tchudova, river Uchta, Livonia.	Sudbrgr. Verst. Nassau, p. 105; MVK. Geol. Russ. ii. 394.
" angulatus,	"	Clymen. Limest., U.	Nehden, Warstein, Budesheim	Verstein. Nassau, p. 105.
" amblelobus,	"	Cyprid. Sch., U.	" Saalfeld, "	" "
" auris,	Quenstedt.	Iberg Limest., U.	Grund, Oberscheld, "	" " ; Palaeont. D. & M. iii. 40.
" biarcuatus,	"	Cyprid. Sch., U.	Nehden, Saalfeld, "	Sudbrgr. Verstein. Nassau, p. 105.
" circumflexus,	"	Stringoc. Limest., M.	" "	" "

Genus, Species, and Author.	Horizon.	Locality.	Referencee.
var. <i>curvispinus</i> , Quenst.	Cyprid. Sch., U.	Nehden, Budesheim, Saalfeld	Sndbrgr. Verstein. Nassau, p. 105.
„ <i>lingua</i> , Von Buch.	„ U.	Oberscheld, Budesheim	„ „ p. 110.
„ <i>oxyeantha</i> , Sndbrgr. ?	„ U.	Nehden, Oberscheld, Saalfeld	„ „ p. 105.
„ <i>planilobus</i> , Sndbrgr.	 U.	„ Schlenberg	„ „ „
„ <i>sacculus</i> , Sndbrgr. ?	Stringoc. L'st., Cypr. Sch., M., U.	„ Budesheim, Oberscheld	„ „ „
„ <i>umbilicatus</i> , Sndbrgr.	Cyprid. Sch., U.	„ „ „	„ „ „
„ <i>undulatus</i> , „	Stringoc. L'st., Cypr. Sch., M., U.	„ „ „	Palæont. D. & M. xiii. 227; Verstein. Nassau, p. 105.
Roemeri, Münst.	Clymen. Limest., U.	Schübelhammer	Beiträge &c. i. 52.
sagittarius, Sndbrgr.	Cyprid. Sch., U.	Oberscheld, Eibach iron-mines	Verstein. Nassau, p. 77.
semistriatus, Münst.	 U.	Fichtelgebirge	Beiträge &c. iii. 11.
serpentinus, Phill.	Limestone, M.	Torquay, Newton Bushel	Pal. Foss. Devon, p. 123.
serratus, Steininger.	Cyprid. Sch., Goni. Marl, M., U.	Oberscheld, Budesheim, Grund	Sndbrgr. Verstein. Nassau, p. 95.
simplex, Von Buch.	 L. ? U.	„ Rammelsberg ?	Trans. G. S. L. ser. 2, vi. 383.
sinuosus ?, Winch., Hall.	Portage Gr ^p , U.	Michigan, Chataque Co. (N. Y.) ..	Pal. N. Y. iii. ? 245; Notice Michig. 1862, p. 16.
solaroides, Münst.	Clymen. Limest., U.	Ebersdorf	Trans. G. S. L. ser. 2, vi. 383.
speciosus, „	 U.	Schübelhammer, Elbersreuth	Beiträge &c. i. 21.
sphaericus, De Haen, Martin.	Clymen. & Domauik Limest., U.	Thuringia, Uchta river (Petschora). (Also Carboniferous.)	Leth. Rossica, p. 1322; Richt. Zeitschr. d. d. geol. Ges. Berl. 1869, xxi. 390.
<i>sphaeroides</i> .			
spirorbis, Phill.	Limestone, U.	Westleigh (Devonshire)	Pal. Foss. Devon, p. 123.
spiruleformis, Münst.	 U.	Elbersreuth	Beiträge &c. i. 55.
spurius, „	Clymen. Limest., U.	„ Schübelhammer	„ „ 23, 51.
strangulatus, Keyserl.	Domauik ... U.	River Uchta (Petschora-land)	MVK. Geol. Russ. ii. 394.
striatulus, Münst.	Clym. L'st., U.	Gattendorf, Geiser	Beiträge &c. i. 46.
subarmatus, „	„ U.	Schübelhammer	„ „ 22-51.
subbilobatus, „	„ (grey), U.	Gattendorf, Ebersdorf, Thuringia ..	„ „ 47.
subcarinatus, „	„ U.	Schübelhammer	„ „ 21-51.
subvexus, „	Marble breccia, U.	Naila, Bavaria (Fichtelgebirge)	„ „ 45.
subglobosus, „	Clym. L'st. (grey), U.	Gattendorf	„ „ 45.
subinvolutus, „	„ U.	„	„ „ 48.
sublamellosus, Sndbrgr.	Cyprid. Sch., U.	Oberscheld (ironstone)	Verstein. Nassau, p. 87.
sublævis, Münst.	Brown Limest., U.	Schleitz, Gattendorf	Beiträge &c. i. 15.
sublinearis, „	 U.	Gattendorf	„ „ 17, 45.
subnautilinus, D'Arch. & Vern.	Wissenb. Sch., Orthoc. Sch., Stringoc. L'st., Marcell. Sl., L., M.	Wieda, Dillenburg, Laddekenberg, Cramberg, Gerolstein, Hausberg, New York.	Palæont. D. & M. iii. 19, ix. 2; Lethæa Geogn. ed. 3, i. 50.
var. <i>convolutus</i> , Sndbrgr.	Orthoc. Sch., L.	Wissenbach, Cramberg	Verstein. Nassau, p. 114.
„ <i>vittiger</i> , „	Cyprid. Sch., U.	Lerbach (Harz), Madfeld (Westphalia).	„ „
subnodosus, Münst.	Marble breccia, U.	Elbersreuth	Beiträge &c. i. 25.
<i>Clymenia</i> .			
subpartitus, „	Clym. L'st. (red), U.	Gattendorf	„ „ 44.
subsulcatus, „	Smooth shale, U.	South Petherwin (Dr. Holl), Gattendorf, Schübelhammer.	Quart. Jouru. G. S. L. xxiv. 447; Pal. Foss. Devon, p. 123; Beiträge &c. i. 17, 46.
<i>tripartitus</i> .			
<i>sulcatus</i> &c.			
subtuberculatus, Sndbrgr.	Limestone, M.	Laddekenberg by Wieda (Harz)	Palæont. D. & M. ix. 1.
tenuistriatus, D'Arch. & Vern.	 U.	Brilon, Oberscheld (ferrug. limest.) ..	Trans. G. S. L. ser. 2, vi. 383.
terebatus, Sndbrgr.	Stringoc. L'st., Cypr. Sch., M., U.	Giershagen, Vilmar, Polsterberg ? ..	Pal. D. & M. ix. 3, xiii. 227; Verstein. Nassau, p. 99.
tetragonus, Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 39, xiii. 232.
Thieranus, De Koninck.	Cyprid. Sch., U.	Virelle (Chinay)	D'Om. d'Hallo, Précis Géol. p. 577.
transitorius, Phill.	Limestone, M.	Newton Bushel, Torquay	Pal. Foss. Devon, p. 140.
tridens, Sndbrgr.	Cyprid. Sch., U.	Overscheld, Königszug (red ironst.) ..	Verstein. Nassau, p. 66.
trullatus, Richt.	Clymen. L'st., U.	Saalfeld (Thuringia)	Richt. Palæont. Thuring. p. 35.
tubereuloso-eostatus, D'Arch. & Vern.	„ Cypr. Sch., U.	Oberscheld, Ebersdorf, Eibach (calcareous ironstone).	Verstein. Nassau, p. 65.
<i>Gon. tuberculosus, G. costatus</i> .			
tuberculosus, D'Arch. & Vern.	 U.	Brilon (Westphalia), Oberscheld	Trans. G. S. L. ser. 2, vi. 385.
Uchtensis, Keyserl.	Domauik Limest., U.	River Uchta (Petschora-land)	MVK. Geol. Russ. ii. 394.
umbilicatus, Münst.	Clymen. Limest., U.	Fichtelgebirge	Beiträge &c. i. 46.
umbilicus, Ad. Röm.	Iberg L'st., Posidon. Sch., Culm, U.	Bockwiese	Palæont. D. & M. v. 38.
undulosus, Münst.	 U.	Gattendorf (Bavaria) ..	Beiträge &c. i. 15, 45.
Ungeri, „ ?	Clymen. Limest., U.	Schübelhammer	„ „ iii. 107.
uniangularis, Conrad.	Ham. Shales, M.	Moscow, Paterson's Creek (N. Y.) ..	XIII. Rep. Regents N. Y. p. 98.
Verneuilii, Münst.	Grey Clymen. L'st., U.	Gattendorf	Beiträge &c. i. 44.
vesica ?, Phill.	 ?	Lancashire	Geol. of Yorkshire, ii. 236.
vinctus, Sow.	Clymen. Limest., U.	Petherwin, Pilton, Barnstaple (passage-bed).	Phill. Pal. Foss. Devon &c. p. 119.
Wurmii, Ad. Röm.	Iberg Limest., U.	Grund	Verstein. Harz, 1843, p. 33.
Zorgensis, „	Wissenb. Limest., L.	Zorge (Harz)	Palæont. D. & M. xiii. 209.
spee. indet., Unger.	 ?	Graz (Styria)	Bull. Soc. Géol. Fr. n. s. i. 155.
„ Richt. & Unger.	 ?	Thüringerwald	Leonh. & Br. Neues Jahrb. 1856, p. 626.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Gyroceras , <i>De Koninck, Von aratum</i> , Sndbrgr.	<i>Meyer</i> , 1829, <i>D'Orbigny</i> . Stringoc. Limest., M.	(Frequently identified with <i>Cyrtoceras</i> .) Vilmar	Verstein. Nassau, p. 137.
binodosum, "	" " M.	Bodenstein by Vilmar, Ley	" " 135.
costatum, "	" " M.	" "	" " 136.
<i>Cyrtoceras</i> . cyclops,' Hall.	UHL. ....L.	Helderberg Mountains (N. Y.), Columbus (Ohio).	XV. Rep. Regents N. Y. p. 68.
Eifelense, D'Archiac.	Schists and Calceola Limest., M.	Givet, Dailly, Couvin (Belgium)	Gosselet MS. 1870, mecum.
ellipticus, Richt.	U.	Saalfeld, Pfaffenburg	Palæont. Thuring. p. 28.
Eryx,' Hall.	UHL. ....L.	Milwaukie (Wisconsin State)	Hall & Wh. Geol. S. Lake Superior; XV. Rep. Regents N. Y. p. 67.
var. expansum,' Sœmann.	Goni. Limest., M.	Manlius (N. Y.)	XIII. Rep. Regents N. Y. p. 104.
Goldfussii, D'Orb.	M.	Eifel, Paffrath	Prodrome, i. 52.
inelegans,' Meek.	Cornif. Limest., L.	Marion Co., Ohio	Proc. Acad. Nat. Sc. Philad. 1871, p. 87.
<i>Nautilus</i> ? lateralis, Richt.	Limestone, U.	Saalfeld, Pfaffenburg	Palæont. Thuring. p. 27.
liratum,' Hall.	Ham., Marcell. Sh., M.	Schoharie (N. Y.)	XIII. Rep. Regents N. Y. p. 104.
<i>Apioceras</i> . Logani,' Meek.	Ham. ?	River M'Kenzie, below Fort Good Hope, N. N. W. Arctic Amer.	Trans. Acad. Sc. Chicag. i. 111.
Matheri,' Conrad.	UHL. ....L.	Schoharie, and near Catskill (N. Y.)	XV. Rep. Regents N. Y. p. 66.
<i>Cyrtoceras</i> . Nais,' Hall.	Chem. ....U.	Chemung Co. (N. Y.)	" " " 68.
nereus,' " "	Cornif. Limest., L.	Auburn (N. Y.)	" " " 67.
nodosum, Giebel.	Limestone, M.	Gerolstein, Gummersbach, Plymouth, &c.	Fauna der Vorwelt, iii. 195.
<i>Spirula</i> . Ohioense,' Meek.	Cornif. Limest., L.	Delaware and Marion Co ^s (Ohio) ..	Proc. Acad. Nat. Sc. Philad. 1871, p. 87.
<i>Trochoceras</i> . ornatum, Goldf.	Stringoc. Limest., M.	Newton Bushel (South Devonsh.) ..	Phill. Palæoz. Foss. Devon, p. 115; Kayser, Zeitschrift &c. 1871, p. 367.
var. Eifelensis, D'A. & Vern.	" " &c., M.	.....	Kayser, Zeitschrift &c. 1871, p. 367.
quadroclathratum, Sndbrgr.	" " Silic ^s Ironst., M.	Vilmar (Nassau)	Verstein. Nassau, p. 138.
tenuisquamatum, Conrad.	Stringoc. Limest., M.	Weilberg	" " " 65.
trivolvus,' UHL. ....L. ....	.....	Schoharie, Oneida, Onondaga Co ^s (N. Y.) ..	Geol. Ohio, i. 149.
undulatum,' Cornif. Limest., L. ....	.....	Delaware Co. (Ohio)	Verstein. Nassau, p. 139.
spec. indet., Sndbrgr.	Stringoc. Limest., Red Silic ^s Ironst., M.	Weilburg (Harz)	
Lituites , <i>Breynius</i> , 1732.	= Hortulus , <i>Montfort</i> , 1808.	(For <i>Lituites</i> read <i>Gyroceras</i> .—Ferd. Röm., Breslau.)	
ellipticus, Richt.	Limestone, U.	Pfaffenberg, Saalfeld, Thüringerwald.	Richt. Palæont. Thuring. p. 28.
lateralis, " "	" " U.	Thüringerwald	" " " "
Nautilus , <i>Breynius</i> , 1732.	Trematodiscus , Meek and Worthen.	.....	
complanatus,' H. A. Green.	Portage Group, U.	Mount Morris, Livingstone Co. (N. Y.) ..	Amer. Journ. Sci. xli. 121.
divisus, Münst.	Clymen. Limest., U.	Fichtelgebirge	Beiträge &c. 1843, i. 2.
falcifer, Ad. Röm.	Calceola Limest., M.	Birkenthal	Palæont. D. & M. iii. 74.
Germanus, Phill.	Limestone, M.	Newton Bushel, Torquay	Quart. Journ. G. S. Lond. xix. 484; Pal. Foss. Devon, p. 118.
lavis, Richt.	U.	Thüringerwald	Richt. Palæont. Thuring.
Lawsii,' Swallow.	Ham., UHL., L., M.	Callaway Co., Missouri	Trans. Acad. Sc. St. Louis, i. 658.
linearis, Richter.	U.	Thüringerwald	Richt. Palæont. Thuring.
megasplo, Phill.	Limestone, M.	South Petherwin (Dr. Holl), Lanlake ..	Quart. Journ. G. S. Lond. xix. 484; Pal. Foss. Devon, p. 119.
obesa, Richt.	U.	Thüringerwald	Richt. Palæont. Thuring.
orbicularis, Ad. Röm.	.....	Upper Schulerberg, Harz	Ad. Röm. Verst. Harz, 1843, p. 33.
ornatus (discites),' Hall.	Marcellus Shale, M.	Manlius, Schoharie Co.	XIII. Rep. Regents N. Y. p. 103.
var. amplus,' Meek.	Ham. ....M.	Bake-Oven, Illinois	Proc. Acad. Nat. Sc. Philad. 1865, p. 260.
plana, Münst.	U.	Thüringerwald	Richt. Palæont. Thuring.
planatus, Ad. Röm.	String. Ferru. L'st., M.	Buchenberg, Elbingerode	Palæont. D. & M. iii. 64, xii. 227.
planorbiformis?, Münst.	U.	Thüringerwald	An <i>Clymenia</i> ?
subtuberculatus, Sndbrg.	Cyprid. Schist, U. ....	.....	Verstein. Nassau, p. 133.
spec. indet., Rouault.	.....	Gahard (France)	Bull. Soc. Géol. Fr. n. s. iv. 321.
" Tietze.	Clymen. Limest., U.	Ebersdorf	Palæont. D. & Z. xix. 139.
Orthoceras , <i>Breynius</i> , 1732.	Hall.	Chem. ....U.	Mount Morris, Bloomfield (N. Y.) ..
aciculum,' Münst.	Cyprid. Sch. &c., U.	Elbersreuth, Gattendorf, Oberscheld.	Amer. Journ. of Sci. n. s. xli. 121.
acuarium, Eichw.	(Also Carb.), L.	Tschudovo (Baltic Russia)	Beiträge &c. iii. 82.
acuminatum, Ad. Röm.	Wissenb. Sch., L.	Riesbach near Schulerberg	Lethæa Rossica, p. 1215.
acus, Sndbrgr.	Orthoc. Sch., L.	Wissenbach	Palæont. D. & M. v. 19.
acutissimum, Hall.	Ham. Limest., M.	Madison Co. (N. Y.)	Verstein. Nassau, p. 171.
Ægea,' Ad. Röm.	Spirif. Sands., L.	Kahleberg (in nodules)	XV. Rep. Regents N. Y. Append. p. 80.
alternans, Münst.	Grauwacke, U.	Gattendorf	Palæont. D. & M. iii. 3.
anceps, D'A. & Vern.	M.	Paffrath	Beiträge &c. vi. 104.
anguliferum, Fournet.	Limestone, U.	Montagne Noire (Languedoc)	Trans. G. S. L. ser. 2, vi. 384.
annulatum, Sndbrg.	Stringoc. Limest., Cyprid. Sch., M., U.	Vilmar, Oberscheld, Eibach ironstone, Giershagen (Westph.) ferrug. limest.	Bull. Soc. Géol. Fr. n. s. i. 786.
arcuatellum, Sndbrg.	.....	.....	Verstein. Nassau, p. 166.

Genus, Species, and Author.		Horizon.	Locality.	Reference.
arenosum,'	Hall.	Orisk. Sand., L.	Schoharie Co. (N. Y.)	Palæont. N. Y. iii. 480.
articulatum,	Sow.	L.	Martelange, Luxemburg, river Moselle	?
attenuatum,	"	Orthoc. Sch., L.	Wissenbach	Verstein. Nassau, p. 171.
bacillum,	Eichw.	U.	Elbersreuth (Reval &c. Silur.)	MVK. Geol. Russ. ii. 253.
baculum,'	Hall.	Schohar. Grit, L.	Schoharie Co.	XV. Rep. Regents N. Y. p. 74.
Barquianum,'	Winch.	Portage Group, U....	Point aux Barques, L. Huron (south)...	Notice Devon. Rocks Michig. 1862, p. 7.
bicingulatum,	Sndbrg.	Orthoc. Sch., L.	Wissenbach, Haiger	Verstein. Nassau, p. 162.
Buchii,	De Vern.	M.	St. Cineré, Joué, Izé, Nehou (Bonis-sent).	Bull. Soc. Géol. Fr. n. s. vii. 778 ; D'Archiac, Paléont. France, p. 48.
calamiteus,	Münst.	Grey Clym. Limest., L., M., U.	Viré, Nehou, Schübelhammer, Chimay, Ebersdorf, Refrath, Brilon, &c.	MVK. Geol. Russ. ii. 393 ; Bull. Soc. Géol. Fr. n. s. vii. 778 ; Münst. Beiträge &c. i. 39.
calceola,	Ad. Röm.	Calceol. Schist, M.	Festenburg	Palæont. D. & M. iii. 205.
carinatum,	"	U.	Elbersreuth, river Ouchta	Beiträge &c. iii. 100.
cinctum,	Sow.	Clymen. Limest., U.	Schübelhammer, Ebersdorf, Torquay, Petherwin, Top-Orchard, Lanlake, &c.	" 99 ; Miner. Conchol. tab. 588.
clathratum,	Sndbrg.	Stringoc. Limest., M.	Vilmar	Verstein. Nassau, p. 172.
clinocameratum,	Winch.	Chem. ....U.	Flat-Rock Point &c., Saguenay Bay, Lake Huron.	Notice Devon. Foss. Michig. 1862, p. 7.
cochleatum ?,	Vern.	M.	River Don (Government of Voroneje).	MVK. Geol. Russ. i. 60, 63 ?
cochleiferum,	Sndbrgr.	Orthoc. Sch., L.	Wissenbach, Bunteboch, Harz	Verstein. Nassau, p. 159.
? communis,	Waklenburg.	U.	Saalfeld	Richt. Pal. Thuring. p. 25.
compressum,	Ad. Röm.	Iberg Limest., Strin-goc. Limest., M., U.	Lahnstein (ironst.), Grund	Verstein. Nassau, p. 158 ; Verst. Harz. 1843, p. 36.
conoideum,	Münst.	Orthoc. Limest., U.	Elbersreuth	Beiträge &c. iii. 96.
constrictum,'	Hall.	Ham. Shale, M.	Cazenovia, Hamilton, Cumberland Co. (Maryland).	XV. Rep. Regents N. Y. p. 77.
conulus,	Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 39, xiii. 231.
costulatum,	Münst.	U.	Elbersreuth	Beiträge &c. iii. 99.
crassum,'	Ad. Röm.	Orthoc. Sch., Spirif. Sand., L.	Schalke, Festenburg, Cramberg, Ebersdorf.	Verstein. Harz, 1843, p. 35 ; Verstein. Nassau, p. 164 ; Palæont. D. & M. iii. 110.
crebrum,	L. Saemann.	Limestone, M.	Gerolstein, Chimay	Palæont. D. & M. iii. 110.
crotalum,	Hall.	Ham. Shale, M.	Ludlowville, Cazenovia, Seneca Lake (N. Y.).	XV. Rep. Regents N. Y. p. 78.
cylindriacum,	Sow.	M., U.	Ilfracombe, Newton Bushel, Heleboro', Baggy Point, Barnstaple (pass.-bed).	Phill. Pal. Foss. Devon, p. 113.
cylindricum,	"	M., U.	Ilfracombe, Pilton, Barnstaple	Trans. G. S. L. 2nd ser. v. 703*.
Dannebergii,	D'A. & V.	Wissenb. Sh., U.	Wissenbach, Zeigenberger Teiche	Palæont. D. & M. xiii. 211.
decussatum,	Münst.	U.	Elbersreuth, Schübelhammer	Beiträge &c. iii. 102.
demissum,	L. Saemann.	Limestone, M. ?	Gerolstein	Palæont. D. & M. iii. 165.
digitale,	Ad. Röm.	Wissenb. ....L.	Hutthales, Zeigenb. Teiche, Wissenb.	" 17.
dimidiatum,	Sow.	Spirif. Sandst. &c., L.	Thuringia (rolled), Eibensbusch, Braunsberg, Wissenbach, Fieh, Plauen, Wildenfels, Elbersreuth.	Münst. Beiträge &c. iii. 98 ; Trans. G. S. L. ser. 2, vi. 385.
uplicatum,	Münst.	U.	Elbersreuth	Beiträge &c. iii. 100.
ellipsoideum,	Phill.	Yellow Sch. Limest., M., U.	Torquay, Newton Bushel, Petherwin, Grasi, Matyra.	Helmers, Beiträge Russ. Reiches &c. 1858, p. 89.
ellipticum,	Münst.	Red Clymen. Limest., U.	Oberscheld, Gattendorf, Planitz, Marxgrün, Geisen, Elbersreuth, Schübelhammer, Thuringia (drift).	Beiträge &c. iii. 97, &c.
excepticum,	Goldf.	M.	Bensberg	Trans. G. S. L. ser. 2, vi. 385.
exile,'	Hall.	Ham. &c., L., M.	Cazenovia, Cumberland Co. (Maryland)	XV. Rep. Regents N. Y. p. 78.
fasciculare,	Richt.	Limestone, U.	Saalfeld	Palæont. Thuring. p. 25.
foliatum,'	Hall.	Schohar. Grit, U.	Schoharie Co., Helderberg Mountains.	XV. Rep. Regents N. Y. p. 74.
fragile,	Ad. Röm.	Wissenb. Sch., L.	Zeigenberger Teiche	Palæont. D. & M. iii. 18.
giganteum,	Sow.	M.	Gerolstein &c.	Trans. G. S. L. ser. 2, vi. 385.
gracile,	Vern. & Münst.	Wissenb. Sl., L.	Blackhead (St. Austell), Looe, Wissenbach, &c.	Siluria, 4th ed. p. 277 ; Palæont. D. & M. iii. 16.
Bactrites.	"	"	"	"
gracilius,'	Winch.	Portage Group, U....	Union Branch Co. (Michigan)	Rep. Michigan, 1862, p. 429.
granulatum,	Münst.	U.	Elbersreuth, St. Sauveur	Beiträge &c. iii. 104.
gregarium,	Murch.	Cyprid. Sch., U.	(In drift) Obersteinach, Thuringia, Schübelhammer.	Palæont. Thuring. p. 24 ; Richt. Beitr. iii. 97.
Helmersenii,	Pacht.	Limestone, L., M.	Jeletz, Sadonsk, Konkolodes, Lépezek, river Matyra, Orel, Jendowischtsche.	Russ. Reiches, p. 88.
Hyans,	Richt.	" U.	Thuringia	Richt. Palæont. Thur. p. 25.
Hyas,'	Hall.	Schohar. Grit, L.	Schoharie Co. (N. Y.)	XV. Rep. Regents N. Y. p. 75.
Ibex,'	Sow.	Ham. G ² , L., M., U.	Wiseonsin?, Rhen. Pruss., Wissenbach, Petherwin.	Fost. & W. Rep. S. Lake Superior, p. 303 ; Trans. G. S. L. ser. 2, vi. 346.
imbricatum,	Wahlenb.	Cyprid. Sch., U.	Marwood, Baggy, Pilton, Top-Orchard, Obersteinach, Thüringerwald.	Pal. Foss. Devon. p. 111 ; Credner. Geol. Thuring. p. 18.
inequiclatratum,	Sndbrgr.	" in iron glauce, U.	Königszug by Eibach	Verstein. Nassau, p. 172.
interruptum,	Münst.	Clymen. Limest., U.	Gattendorf, Plauen, Elbersreuth	Beiträge &c. iii. 97.
Gomphoceras, Sow.	"	"	"	"

Genus, Species, and Author.		Horizon.	Locality.	Reference.
irregulare,	Münst.	U.	Gattendorf, Elbersreuth	Beiträge &c. iii. 100; Trans. G. S. L. ser. 2, vi. 385.
Jovellani,	D'A. & Vern.	L. ? , M.	Ferrones (Spain), Izé (France)	Bull. Soc. Géol. Fr. n. s. ii. 461, vii. 159.
Keyserlingii,	D'Orb.	U.	River Uchta (Petschora-land)	Helmersen, Explic. Carte Russ. p. 16.
<i>carinatus</i> ,				
Lathropianum ? ,	Winch.	?	South Michigan	Amer. Journ. Sci. ser. 2, xxxiii. 357.
lineare,	Münst.	Wissenb. Sch., Strin- goc. Limes., Cyprid. Sch., L., M., U.	Dobeneck, Zeigenberg Teiche, Ebers- dorf, Huthales, Elbersreuth, Ober- scheid, Lerbach, Vilmar, Elbinge- rode.	Palæont. D. & M. iii. 17, xiii. 227; Bei- träge &c. iii. 99; Verstein. Nassau, p. 164; Eichw. Lethæa Rossica, p. 1200.
lineolatum,	Phill.	U.	Croyde Bay, Pilton	Pal. Foss. Devon, p. 111; Phill. Geol. Yorksh.
littoralis,	"	U.	Petherwin	Phill. Foss. Devon, fig. 205.
Lorieri,	D'Orb.	L., M.	Nehou (La Manche), Viré (Sarthe)	Prodrome, i. 55.
Ludensé ? ,	Sow.	L., M., U.	Woodabay, Newton Bushel, Torquay. Babbacombe, Padstow, Marwood, Baggy Point, Pilton, Elbersreuth.	Pal. Foss. Devon, p. 111; Trans. G. S. L. ser. 2, vi. 385.
macromerum,	Fischer.		Orel (Russia)	Lethæa Rossica, ii. 1219.
Marcellense,'	Vanux.	Goni. Limest., M.	Manlius, Marcellus, Schoharie	XIII. Rep. Regents N. Y. p. 106.
<i>typus Saemann.</i>				
maximum,	Münst.	Clymen. Limest., U.	Elbersreuth, Thuringia	Beiträge &c. iii. p. 96.
moektreense,	Sow.	In Ironst. L. or M.	Lerbach, Elbingerode (Harz)	Verstein. Harz, 1843, p. 36.
multicinctum,'	Hall.	Schohar. Grit, L.	Schoharie Co. (N. Y.)	XIV. Rep. Regents N. Y. p. 76.
multiseptatum, Richt. & Röm.	Wissenb. Sch., Iberg Limest., L., U.		Saalfeld, Pfaffenberg, Grund, Festen- berg.	Palæont. D. & M. iii. 80, v. 36; Richt. Pal. Thur. p. 25.
nodulosum,	Schloth.	Limest. & Sch., M.	Macon, Givet, Couvin, Eifel	Siluria, ed. 4, p. 399; Trans. G. S. L. ser. 2, vi. 2-5, 385.
nuntium,'	Hall.	Ham. Shale, M.	Seneca and Cayuga Lakes (N. Y.)	XIV. Rep. Regents N. Y. p. 79.
obliquecostatum,	Sndbrgr.	Goni. Sch., M.	Eifel	Zeitschr. &c. 1871, p. 354.
obliqueseptatum,	"	Orthoc. Sch., L.	Wissenbach	Verstein. Nassau, p. 160.
paradoxus,	Braun.	U.	Geiser (Bavaria)	Beiträge &c. v. 127.
Pelops,'	Hall.	Marcell. Sl., Goni. Limest., M.	Manlius, Helderberg Mountains (N. Y.)	XV. Rep. Regents N. Y. p. 73.
perelegans,'	"	Ham. Shale, M.	Hamilton, Madison Co. (N. Y.)	80.
"	Salter.			Mem. Geol. Surv. of Great Brit. ii. 447.
Phillipsii,	D'Orb.	U.	South Petherwin (only in Britain), Dr. Holl.	
planicanaliculatum, Sndbrg.	Orthoc. Sch., L., U. ?		Wissenbach, Ebersdorf	Verstein. Nassau, p. 161.
planiseptatum,	"		" Mandersbach, Lohren, Jelztz, a. d. Sosma	D. & M. xi. 312; Beiträge zu Russ. Reiches, p. 88.
polygonum,	"	Orthoc. Sch., Goni. Marl. L., M.	Wissenbach, Budesheim	Verstein. Nassau, p. 162.
profundum,'	Hall.	UHL. L.	Williamsville (N. Y.)	XV. Rep. Regents N. Y. p. 76.
propinquum,	Eichw.	Marly Limest., L.	Orel (Russia)	Lethæa Rossica, p. 1216.
prolapsum,	Richt.	Limestone, U.	Thüringerwald	Palæont. Thuringia, p. 27.
pulchellum,	Ad. Röm.	Iberg Limest., U.	Grund	Palæont. D. & M. iii. 39, xiii. 231.
punctatum,	Münst.	Clymen. Limest., U.	Elbersreuth (Franconia)	Beiträge, &c. iii. 104.
pussillum,	L. Saemann.	(Bitum* Limest.), M.	Gerolstein (Eifel)	Palæont. D. & M. iii. 165.
pustulosum,'	Winch.	Lam. M.	Little Traverse Bay, Lake Michigan (Bryozoa-bed).	Rep. Michig. 1866, Append. p. 97.
rapæforme,	Sndbrgr.	Orthoc. Sch., Wissenb. Sch., L., M.	Borki, Pskow, La Dwina, Kameneje, a. d. Matyra, Wissenbach, Lerbach.	Helmersen, Explic. Cart. Russie; Ver- stein. Nassau, p. 167; Palæont. D. & M. iii. 16.
Raphanistrum,	Ad. Röm.	Wissenb. L.	Little Laddekenberg (Weida, Harz)	Palæont. D. & M. iii. 16, xiii. 210, 225.
regulare,	Schloth.	Orthoc. Sch., Cyprid. Sch., Clym. Limest., Iberg Limest., L., M., U.	Wissenbach, Mandersbach, Elbers- reuth-drift, Geiser, Izé, Gahard, Grund, Nieder-Selters, Wieda, Clam- berg, Thuringia, Oberscheid, Schü- belhammer, Elsnitz, Planitz, Ler- bach, Hausberg, Hallstadt (Tyrol).	" ix. 2, xi. 312; Trans. G. S. L. ser. 2, vi. 385; Verstein. Harz, 1843, p. 35; Sndbrgr. Ver- stein. Nassau, p. 173; Münst. Beitr. iii. 95; Bull. Soc. Géol. Fr. n. s. iv. 321.
remotum,	Richt.	Clymen. Limest., U.	Thuringia, Schübelhammer	Palæont. Thuring. p. 26.
semiplicatum,	Münst.	Black Clym. Lst., U.	Schübelhammer	Beiträge &c. iii. 98.
simplicissimum,	Sndb.	Stringoc. Limest., Go- niatite Limest., M.	Vilmar (Nassau), Gerolstein (Eifel)	Verstein. Nassau, p. 172.
sinuatum,	Richt.	Limestone, U. ?	Pfaffenberg (Thuringia)	Palæont. Thuring. p. 26.
speciosum,	Münst.	Clymen. Limest., U.	Elbersreuth, Gattendorf, Schübel- hammer, Thuringia drift.	Beiträge &c. iii. 96.
Stamboul,	Vern.	L.	Kartal	Tchihatcheff?, Asia Minor, Append. p. 25.
Steinhaueri,	Sow.	Limestone, U.	Pfaffenberg	Richter, Palæont. Thuring. p. 24.
striato-punctatum,	Münst.	Clymen. Limest., U.	Elbersreuth	Beiträge &c. iii. 101.
striatulum,	"	U.	Schübelhammer	" 102.
striatum,	Sow.	Limest. in Slate, U.	Petherwin, Lanlake, Pilton	M'Coy, Brit. Pal. Foss. p. 405.
Strombeckii,	Ad. Röm.	Wissenb. Limest., L.	Laddekenberg (Zorge), Ehrenfeld	Palæont. D. & M. xiii. 210.
<i>virgatum</i> , Sow.				
subannulare,	Münst.	Clymen. Limest., U.	Elbersreuth	Beiträge &c. iii. 99.

Genus, Species, and Author.		Horizon.	Locality.	Reference.
subconicum,	Ad. Röm.	Wissenb. Sch., L. ...	Zeigenberger Teiche, Hutthales, Wissenbach.	Palæont. D. & M. iii. 17.
subflexuosum,	Keyserling.	Cypriid. Sc., Domanik	Thüringwald, Elbersreuth, Oberscheld,	Beiträge &c. iii. 100; Lethæa Rossica,
<i>Melia.</i>		Sc., Goniad. L'st., U.	Adorf, Altenau, (Elsnitz, Ust-Uchta.	1212; Verstein Nassau, p. 157.
subfusiforme,	Münst.	Black Clym. Limest., U.	Thuringia, Schübelhammer, Pskow, Oberscheld, Kiclee, Lake Ihnen, Upper Velicaja valley.	Richter, Pal. Thuring. p. 27; Beiträge &c. iii. 103; Grewingk, Livonia. p. 35.
subpyriforme,	"	Clymen. Limest., U.	Paffrath, Schübelhammer, Gattendorf, Eifel, Kokenhusen, Thuringia.	Beiträge &c. 103; Pal. Thuring. p. 10.
subregulare,	Ad. Röm.	Iberg Limest., U. ...	Grund	Palæont. D. & M. iii. 110, xiii. 231.
subtrochleatum,	Münst.	 U.	Elbersreuth	Beiträge &c. iii. 101.
subulatum,	Hall.	Marcell. Shale, M.	Bloomfield, Avon, Schoharie (N. Y.), Pennsylvania.	XV. Rep. Regents N. Y. p. 77.
tenuicinctum,	Ad. Röm.	Wissenb. Sch., L. ...	Zeigenberger Teiche (Clausthal)	Palæont. D. & M. xiii. 212.
tenuilineatum,	Sndbrg.	Orthoc. Sch., L.	Wissenbach, Cramberg	Verstein. Nassau, p. 168.
tenuistriatum,	Münst.	Black Clym. L'st., U.	Schübelhammer	Beiträge &c. iii. 102.
tentaculare,	Phill.	 L., M., U.	Meadsfoot Sands, Torquay, Ilfracombe, Haggington, Baggy Point, Brushford, &c.	Pal. Foss. Devon &c. p. 112.
tetricum,'	Hall.	L'st. of Schoh. Grit, L.	Helderberg Mountains (N. Y.)	XV. Rep. Regents N. Y. p. 73.
Thoas,'	"	Schohar. Grit, L.	Schoharie Co., Helderb. Mounts (N. Y.)	75.
torquatum,	Münst.	 U.	Elbersreuth	Beiträge &c. iii. 101.
tracheatum,	Richt.	 L., U.	Festeburg (L.), Pfaffeburg	Palæont. Thuring. p. 26.
triangulare,	D'A. & Vern.	Wissenb. Schist, L., Stringoc. Limest., M., Clymen. Limestone, U.	Wissenbach, Haiger, Cramberg, Butzbach, Hausberg, Buckensberges, Nieder-lahnstein, Laubach (ironstone), Schübelhammer, Viré, La Cormerie, Nehou.	Verstein. Nassau, p. 155; Palæont. D. & M. iii. 64, x. 312, xiii. 104.
tubicinella,	Sow.	Stringoc. Limest., Clymen. Limest., M., U.	Torquay, Newton Bushel, Plymouth (linestone), Chimay, Vilmar, Rodheim, Gerolstein, Schübelhammer.	Phill. Pal. Foss. Devon &c. p. 112; Sndbrgr. Verstein. Nassau, p. 169.
typus,'	Ad. Röm.	Marcell. Sh., M.	Cazenovia (N. Y.)	Palæont. D. & M. iii. 165.
unctum ?	"	 M. ?	Devonshire	Quart. Journ. G. S. L. xxiii. 647.
undatolincolatum,	Sndbrg.	 L.	Wissenbach, Hausberg	Verstein. Nassau, p. 163; Palæont. D. & M. xi. 312.
undulatum,	"	 M., U.	Torquay, Petherwin, Pilton, Braunton, &c.	Quart. Journ. G. S. L. xxiii. 630; Geol. Yorkshire, ii. tab. 21.
<i>laterale.</i>	"	"	"	"
venustum,	Münst.	 U.	Elbersreuth	Beiträge &c. iii. p. 98.
vermiculare,	"	White Marly L'st., L.	Guadalperal, Chillan (Spain), Kokenhusen, Lichviu, Bielef, Ottrada.	Bull. S. G. Fr. n. s. xii. 192; MVK. Geol. Russ. ii. 355; Helmers. Explic. Carte Russ. p. 16.
<i>Cameroceas.</i>	"	"	"	"
vertebratum,	Sndbrgr.	Orthoc. Sch., L.	Wissenbach	Verstein. Nassau, p. 170.
virgatum,	Sow.	Black Limest., L. ? ..	Ehrenfeld (Isenburg, L.)	Ad. Röm. Verstein. Harz, 1843, p. 36.
vittatum,'	Sndbrg.	Cypriid. Sch. (also Carbone?), U.	Oberscheld, Adorf, Brelon, Kleinlinder, Battle Creek (Michig. carb?), White Sulphur Springs (Ohio)	Verstein. Nassau, p. 195; Winchell. Notice Michig. 1862. Proc. Acad. Nat. Sci. Philad. 1863, p. 22.
Winchellii,'	M. & W.	Ham. M.	Zeigenberger Teiche, Wissenbach	Palæont. D. & M. iii. 17; Trans. G. S. L. ser. 2, vi. 386.
Wissenbachii,	D'A. & Vern.	 L. ?	Wissenbach	Trans. G. S. L. ser. 2, vi. 386.
var. a,	"	"	"	"
spec. indet.	Helmersen.	"	Kammenoje, a. d. Matyra (Russia) ...	Helmers. Explic. Carte Russie.
"	De Vern.	(Prince Tchihatchef)	Valleys of Zinief and Tomsk (Altai)	Bull. Soc. Géol. Fr. n. s. i. 684.
"	Rouault.	 L.	La Hunandière (S. France), Silurian?	" " iv. 321.
"	De Vern.	 L.	Brulon, Viré (France)	" " vii. 778.
"	Unger.	 L.	Woodabay (North Devonsh.), Haggington (N. Devonsh.).	" " i. 155; Quart. Journ. G. S. L. xxiii. 597, 641.
Palæoteuthis,	Ferd. Römer,	1856.	Daun (Eifel)	Palæont. D. & M. iv. 74.
<i>Dunensis,</i>	Ferd. Röm.	Oldest Grauwacke, L.	Hall, 1847. Campulites,	es, 1832.
Phragmoceras,	Broderip,	1839. Oncoceras,	Wissenbach	Verstein. Nassau, p. 151.
bicarinatum,	Sndbrg.	Orthoc. Sch., U.	Hof (Bavaria), Gattendorf, Thuringia.	Münst. Beiträge &c. iii. 105; Geinitz. Verstein. Grauwacke Saxony, p. 33.
Brateri,	Münst.	Clymen. Drift, U. ...	Marxgrün, Gattendorf	Geinitz, Verstein. Grauwacke Saxony, p. 35.
<i>Campanulites.</i>	Geinitz.	" Limest., U.	Thüringerwald	Leonh. & Br. Neues Jahrb. 1856, p. 625.
corniforme,	"	"	Wissenbach, Upper Duua river	Grewingk, Geol. Livon. p. 39; Verstein. Nassau, p. 150.
<i>Cyrtoceras.</i>	"	"	"	"
<i>laterale,</i>	Richter.	 L.	"	"
orthogaster,	Sndbrg.	Orthoc. Sch., L.	Belgium	Murch. Siluria, edit. 4, p. 399.
pyriforme,	Goldf.	Limestone, M.	New-York State	XIV. Rep. Regents N. Y. Append. p. 108.
spinosum,'	Conrad.	U. H. L. L.	Thuringia	Zeitschr. &c. Berlin, xxi. 330.
subfusiforme,	Münst.	Clym. L'st., M.	Saalfeld, Gattendorf, Grund, Marxgrün.	Geinitz, Verst. Gr. wacke Saxony, p. 33.
subpyriforme,	"	" &c., M., U.	"	"
subventricosum,	D'Arch. & V.	Limestone, M.	Paffrath (Rhen. Prussia), Eifel	Trans. G. S. L. ser. 2, vi. 386.
<i>Campanulites.</i>	"	"	"	"
Walshii,'	M. & W.	Ham. M.	Rock Island Co. (Illinois)	Proc. Acad. Nat. Sci. Phil. 1865, p. 257.
spec. indet.,	Richter.	 U.	Thuringia?	Leonh. & Br. Neues Jahrb. 1856, p. 625.
"	Gosslet.	Schist & Limest., M.	Couvin, Dailly (Namur, Belgium) ...	Gosslet, MS. 1870 (mssum).
"	Kayscr.	Cuboides Schist, U.	Eifel	Zeitschr. &c. Berlin, 1871, p. 374.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Phragmostoma , <i>Hall</i> , 1861. nator,' Hall	Ham. & Portage Gr ^{ps} . M., U.	Mount Morris village, Cashaqua Creek, and Genesee Co. (N. Y.).	XV. Rep. Regents N. Y. p. 60.
Poterioceras , <i>McCoy</i> , 1844. fusiforme, Sow.	Culm. probably (Dr. Holl), U.	South Petherwin (Cornwall) only	Phillips, Geol. Yorksh. ii. tab. 21.
Spirula , <i>Lamarck</i> , 1801. carniata, Goldf.	M. ?	Eifel (Mus. Teylerian., Winkler).....	Baron Dechen, Verhandl. rhein. Pruss. Vereins, vii. 536.
costata, " "	M. ?	" " " " " " " " " " " "	" " " " " " " " " " " "
<i>Nautilus</i> . sulcata, Ad. Röm.	Clay-slate, U.	Schulenberg (Harz)	Verstein. Harz, 1843, p. 33.
Stenoceras , <i>D'Orbigny</i> ?	An Orthoceratite with	the dorsal lobe compressed, as in the	Goniatite.
Verneuilii, D'Orb.	?	Germany	Prodrome, i. 58.
Trochoceras , <i>Hall</i> : <i>Barrande</i> , 1848. Barrande, Vern.	L.	Kartal (Asia Minor)	Comptes Rendus, lxiv. 1218.
Clio,' Hall.	Schohar. Grit, L. ...	Schohar. Co. and Helderberg Mounts.	XIV. Rep. Reg. N. Y. Append. p. 108.
discoideum,' " " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " " " "	XV. " " " " " " " " " " " "
Eugenum,' " " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " " " "	XIV. " " " " " " " " " " " "
? serpens, Sndbrgr.	Orthoc. Sch., L.	Wissenbach.....	Verstein. Nassau, p. 175.

SUBKINGDOM VERTEBRATA. PROVINCE BRANCHIATA. CLASS PISCES.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Acanthaspis , <i>Newberry</i> .	Ganoid.		
armatus,' Newberry.	Cornif. Limest., L.	Ohio.....	Rep. Geol. Surv. Ohio, i. 268.
Acanthodes , <i>Agassiz</i> , 1833.	Fam. ACANTHODEI.		
coriaceus, Egerton.	O.R.S. ....M.	Thurso (Scotland)	Mem. Geol. Surv. Gt. Britain, dec. x. 59
Mitchellii, "	"L.....	Powburn (Farnell Station), Montrose, Kincardineshire, and Scotland north of the Grampians.	61; Mitchell, Quart. Journ. G. S. L. xvii. 146.
Peachii, "	"M.	Gallows Hill, Thurso, Barragill	Mem. Geol. Surv. Gt. Britain, dec. x. 57.
pusillus, Agassiz.	"M.	Tynet Burn (Banff), Gordon Castle (N.E. Scotland).	Recherch. Poiss. Foss. Devon. p. 301.
Acrolepis , <i>Agassiz</i> , 1843.	Fam. SAUROIDEI.		
reticulatus, Eichw.	O.R.S. ....M.	Orel town (Orel Government, Russia).	Lethæa Rossica, ii. 1578.
Actinolepis , <i>Agassiz</i> , 1844.			
tuberculatus, Agassiz.	"M., U.	Findhorn river, Elgin, Krapivna, Dankof.	Quart. Journ. G. S. L. xv. 439; Recherch. Poiss. &c. p. 141.
Agassichthys , <i>Newberry</i> , 1857 (Ganoid).	Macropetalichthys , <i>D. D. Owen</i> .	Placothorax , <i>Von Meyer</i> , non <i>Agassiz</i> .	
Manni,' Newberry.	Cornif. Limest., L....	Columbus, Melford, Sandusky (Ohio).	Newb. on Devon. Foss. Fish, 1857, p. 5.
rapheidolabris,' D. D. Owen.	"L....	Charleston Landing, Lewis Creek (Kentucky).	Bull. Soc. Géol. Fr. n. s. iv. 708.
Sullivanti,' Newberry.	"L....	Columbus, Melford, Sandusky (Ohio).	Devonian Foss. Fish.
spec. indet., "	"L....	Lewis Creek, Clark Co., Falls river Ohio (Kentucky).	
Apedodus , <i>Leidy</i> , 1856.	O.R.S.	Tioga Co. (Pennsylvania)	Journ. Acad. N. Sci. Phil. ser. 2, iii. 165.
priscus,' Leidy.	1859.		
Archæonectes , <i>Von Meyer</i> .	Dark Limest., U.	Gerolstein (Eifel)	Palæont. D. & M. vii. 12.
pertusus, Von Meyer.			
Aspidichthys , <i>Newberry</i> , 1873.	Huron or Chem. G. ^p , U.	Delaware Co. (Ohio)	Geol. Surv. Ohio, i. 323.
clavatus,' Newberry.	Pterichthys , <i>Agassiz</i> , 1841.	Chelonichys , <i>Agassiz</i> , 1842.	
Asterolepis , <i>Eichwald</i> , 1839.	O.R.S. ....M.	Riga, Dorpat, Elgin, Orkney	Lethæa Rossica, ii. 1508.
Asmusii, Owen.	In Marly L'st., M.	Marjina, Paulowsk	" 1509.
concatenata, Eichw.	"M.	" river Aa (Livonia)	" 1510.
depressa, Agass.	"M.	Riga (Livonia)	MVK. Geol. Russ. ii. 407.
granulata, Agass.	"M.	River Sima, Andoma, Riga, Petschoraland, Elgin, river Findhorn (N.N.E. Scotland).	Lethæa Rossica, ii. 1511.
major, "	"M.		
Malecolmsoni, "	"M., U.	Elgin	Recherch. Poiss. &c. p. 92.
minor, "	"U.	" Riga, St. Petersburg	" " p. 147.
ornata, Eichw.	"M.	Baltic provinces, Riga, Govt. Novogorod, Lakes Onega and Burfneek, Paulowsk, Elgin?	Lethæa Rossica, ii. 1508.
speciosa, Agass.	"M.	Govt. Voroneje (Russia)	MVK. Geol. Russ. ii. 417.
spec. indet., "	"U.	King's Steps quarries (Nairn. head of Ayr), riv. Findhorn (N.N.E. Scotl.).	Recherch. Poiss. &c. p. 94.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Asterosteus , Newberry, 1872? Ganoid. steucocephalus,' Newberry. Cornif. Limest., L.... Ohio Geol. Surv. Ohio, i. 268.			
Auchenaspis , Egerton, 1857. Fam. CEPHALASPIDEÆ. Egertoni, Lankester. Tilestones &c., L. ... Ledbury (Auchenaspis grits) Palæont. Soc. xxiii. 57. Salteri, Egerton. Passage-beds, L..... Ludlow (Shropshire) Railway Quart. Journ. G. S. L. xiii. 286.			
Aulacosteus , Eichwald, 1846. Ptyctodus , Pander, 1858. cochleariformis, Eichw. O.R.S. M. Tschoudowo (Govt. St. Petersburg)... Lethæa Rossica, ii. 1549. obliquus, " Grey L'st., O.R.S., M. " " " " oviformis, " " " " " " " uncinatus, Pander. Marly Limest., L. ... Velicaja valley, Oluchowa (Livonia)... Grevingk, Geol. Livonia, pp. 35, 36. <i>Ptyctodus</i> .			
Bothriolepis , Eichwald, 1840. Glyptosteus , Agassiz, 1843. favosus, Agass. O.R.S. M., U. Clashbennie, Monachthy Hill, Tschou- dowo, Prussino, Ladoga, &c. Agass. Recherch. Poiss. p. 100; Leth. Geogn. i. 735; MVK. Geol. Russ. ii. 417.			
ornatus, Eichw. M., U. Rivers Ijma and Msta, Paulowsk, Riga, <i>reticulatus</i> , Agass. Dorpat, Elgin, Harelaw quarry (Chirnside). Bronn, Lethæa Geogn. i. 735; Geikie, Geol. East Berwick, Appendix.			
Brachiacanthus , Agassiz, 1844. See Climatius . Byssacanthus , Agassiz, 1844. arcutatus, Agass. O.R.S. L..... Scotland (locality unknown)..... Recherch. Poiss. &c. iii. 3. crenulatus, " " U. Rivs. Slawjanka and Chelogne, Roussa, Lethæa Rossica, ii. 1598. dilatus, Eichw. M. River Slawjanka, Paulowsk " "			
Cephalaspis , Agassiz, 1835. Subgenera :—1. <i>Euccephalaspis</i> ; 2. <i>Hemicyclaspis</i> ; 3. <i>Zenaspis</i> , Powrie and Ray Lankester. Carteri, M'Coy. L..... Looe (Cornwall) Geol. Mag. vii. 397. Dawsoui,' Lankester. L..... Gaspé Bay, north side (Can. East) .. ? Lewisii, Agass. O.R.S. L..... Herefordshire Agass. Poiss. Foss. ii. 149. Lightbodei, Powrie & Lanck. Tilestones, L..... Ludlow (Shropshire)..... Palæont. Soc. xxiii. 55. Lyellii, Agass. L..... Ayrshire, Glamis, Canterland, Trimp- ley, Herefordshire. Geol. Surv. Scotl. Sheets 14, 22; Agass. Poiss. Foss. ii. 142.			
Murchisoni, Egerton. Tilestone and Auchenaspis Grits, L., M. Ludlow Paper-Mill, Ledbury Palæont. Soc. xxiii. 53; Quart. Journ. G. S. L. xiii. 284. ornatus, " " " " " " " Acton Beauchamp, Hinston (Brom- yard). Quart. Journ. G. S. L. xiii. 285. (Zenaspis) Salweyi, " Cornstones, L., M. ... " " xv. 503; Pa- læont. Soc. xxiii. 52.			
Cephalopterus , Page, Powrie? Cheiracanthus , Agassiz, 1833. grandispinus, M'Coy. O.R.S. M. Orkney Isles (bituminous flags &c.)... Pal. Brit. Foss. p. 582. latus, Egerton. " M. Tynet Burn, Lethen Bar (Scotland)... Mem. Geol. Surv. Great Britain, x. 73. microlepidotus, Agass. " M. Lethen Bar (in nodules), Cromarty... Recherch. Poiss. &c. p. 38. minor, " " M. Orkney Isles " " ii. 127. Murchisoni, " " M. Gamrie (in nodules) " " ii. 126; Lethæa Geogn. i. 765.			
pulverulentus, M'Coy. " M. Orkney Islands (in flags) Quart. Journ. G. S. L. xvi. 122. spec. indet., " " M. " Stromness Catal. Jermyn-Street Museum.			
Cheirodus , M'Coy, 1855. lateralis, Eichw. " M. Orel, rivers Volkhoff and Sjass, lake Ladoga. Lethæa Rossica, ii. 1543.			
Cheirolepis , Agassiz, 1835. Fam. ACANTHODEI. Cummingii, Agass. O.R.S. M. Lethen Bar (Moray), Tynet Burn Poiss. Foss. Dévon. p. 45. (Banff).			
splendens, Eichw. " in Marly L'st., M. Marjna (Russia) Lethæa Rossica, ii. 1573. Traillii, Agass. Black flags, M. Stromness and mainland " Geogn. i. 767. unilateralis, Eichw. O.R.S., Marly L'st., M. Marjna near Paulo " Rossica, ii. 1574. uragus, Agass. M. River Slawjanka, Gamric (Banff), Orkney. " " 1575.			
Veloxy, M'Coy. " bitum.flags, M. Orkney Ann. & Mag. Nat. Hist. 1848, p. 302.			
Chelyophorus , Agassiz, 1844. Fam. CEPHALASPIDEÆ. posthumus, Eichw. O.R.S. M. Orel on river Oka Lethæa Rossica, ii. 1529. primigenius, " " M. " " 1525. Verneuilii, Agass. " M. " Kokenhusen (river " " 1529. Volkhoff).			
Chiastrolepis , Eichwald, 1860. HOLOPTYCHIDÆ. clathratus, Eichw. O.R.S. M. Pawlowsk (river Ijora) " 1565; Helmersen, Expl. Carte Russic.			
Cladodus , Agassiz, 1840. Fam. HYBODONTIDÆ. simplex, Agass. Dolomite? Kriuto-barotchka (St. Petersh.), Central and North Russia. MVK. Geol. Russ. ii. 411.			
spec. indet., Salter. Calcar. Shale, U. ... Skrinkle Bay, Caldys Isl., Pembrokesch. Quart. Journ. G. S. L. xix. 477.			
Climatius , Agassiz, 1844. Brachyacanthus , Egerton, 1858. Fam. ACANTHODEI. aulacutus, Eichw. O.R.S. M. River Slawjanka Lethæa Rossica, ii. 1602. reticulatus, Agass. L..... " Chelonge, Volkhoff, Roussa, Old Staraya, Farnell, Balruddery. Quart. Journ. G. S. L. xx. 421; Helmersen, Explic. Carte Russ. p. 16.			

Genus, Species, and Author.	Horizon.	Locality.	Reference.
<i>scutigera</i> , Egerton.	O.R.S. L.	Farnell (Forfarsh.), Tealing, Dundee. &c.	Quart. Journ. G. S. L. xvii. 146, xx. 422.
<i>uncinatus</i> , Agassiz, 1843.	 L.	Montrose Basin (East Scotland)	 xx. 422; Geol. Surv. Great Britain, dec. x.
Coccothoeus , Agassiz, 1843.	PLACODERMATA.		
<i>cuspidatus</i> , Agass.	O.R.S. M.	Thurso, Cromartie, Ross-shire	Miller, Old Red Sandstone, p. 53.
<i>decipiens</i> , "	" & black flags, M.	Easthie, Cromartie, Tynet Burn, Lethen Bar, Pomona Isle, &c., Lerbach, Volkhow, Paulowsk, rivers Ilma, Uchta, and Aa.	Lethæa Geogn. i. 747; M'Coy, Brit. Pal. Foss. p. 602; Eichw. Lethæa Rossica, p. 1523.
<i>Hercynius</i> , Ad. Röm.	Wissenb. Sch., L.	Lerbach	Palæont. D. & M. iii. 52.
<i>maximus</i> , Agass.	O.R.S. M.	Lethen Bar (Morayshire)	Poiss. Foss. Dévon. p. 137.
<i>Milleri</i> , Egerton.	" M.	Orkney	Quart. Journ. G. S. L. xvi. 132, 134.
<i>minor</i> , Miller.	Black flags, M.	Kirkwall, Orkney	M'Coy, Brit. Pal. Foss. p. 603.
<i>oblongus</i> , Agass.	" M.	Lethen Bar, Orkneys	Recherch. Poiss. Foss. Dévon. p. 28.
Conchodus , M'Coy, 1848.	CESTRACIONTIDÆ.		
<i>ostræiformis</i> , M'Coy.	Conglom., O.R.S., M.	Scat Craig (Elgin)	Brit. Pal. Foss. p. 603.
Cosmacanthus , Agassiz, 1844.	CESTRACIONTIDÆ.		
<i>Malcomsoni</i> , Agass.	O.R.S. M.	Elgin	Recherch. Foss. Dévon. p. 593.
Cricodus , Agassiz, 1842.	See Dendrodus .		
Ctenacanthus , Agassiz, 1837.	CESTRACIONTIDÆ.		
<i>ornatus</i> , Agass.	 L.	Worcestershire (Verneuil)	Silur. Syst. ed. 1, tab. 2.
<i>serrulatus</i> , "	Marly Limestone	River Duna at Kokenhusen (Livonia).	MVK. Geol. Russ. ii. 402.
<i>spec. novæ</i> (2), Mitchell.	O.R.S. L.	Forfarshire, Kincardineshire	Quart. Journ. G. S. L. xvii. 146.
Ctenodus , Agassiz, 1838.	Dipterus? CESTRACIONTIDÆ.		
<i>Keyserlingii</i> , Agass.	O.R.S. M.	Ontoleva (Govt. St. Petersburg.), Alina	MVK. Geol. Russ. ii. 418.
<i>marginalis</i> , "	" M.	Orel, Town and Govern'	Poiss. Foss. i. 35. "
<i>Murchisoni</i> , "	" M.	"	MVK. Geol. Russ. ii. 418.
<i>parvulus</i> , "	" M.	"	"
<i>Worthii</i> , "	" M.	Ontoleva (Govt. St. Petersburg) (Devonian and Carboniferous.)	"
Ctenoptychius , Agassiz, 1838.	CESTRACIONTIDÆ.		
<i>crenatus</i> , Agass.	 M.	River Megra (Vitegra)	Recherch. i. 33. "
<i>priscus</i> , "	" M.	Scotland	"
Cyathaspis , Lankester, 1864.	Cephalaspis , Agass. Pteraspis , Kner. Scaphaspis , Lankester, 1864.	Shropshire, Ludlow	CEPHALASPIDÆ. Quart. Journ. G. S. L. xii. 100.
<i>Banksii</i> , Huxley & Salter.	 L.	Looe-river District (East Cornwall)	"
<i>? Carteri</i> , M'Coy.	 L.	St. Veep, Whitesand Bay, Polperro, Mudstone Bay, Bedruthen Steps, &c.	Brit. Pal. Foss. pl. 2A?; Quart. Journ. G. S. L. xxiv. 433.
<i>cornubicus</i> , "	 L.	Whitbach, Ludlow	Geol. Mag. i. 552.
<i>Steganolepis</i> , Croucher, Salter.	O.R.S. M.	Whitbach, Ludlow	Quart. Journ. G. S. L. xvii. 164.
<i>Pteraspis</i> , Dunensis, Ferd. Röm.	 L.	Eifel, Wassenach, Laacher See	Murch. Siluria, ed. 4, p. 246.
<i>Archæoteuthis</i> , Lloydii, Agass.	Cornstone, L.	Bewdley (Worcestershire), Shropshire, Herefordshire	Palæont. Soc. xxi. 25.
<i>Scaphaspis</i> , Ludensis, Salter.	Low. & Upp. Ludlow (Silurian).	Leintwardine, Ludlow (Shropshire)	"
<i>Scaphaspis</i> , Mitchellii, Powrie.	 L.	Cradley near Malvern, Whitbach	xxiii. 33.
<i>Pteraspis</i> , rectus, Lank.	Cornstones, L.	Aightington (Worcestershire), Herefordshire, Whitbach	xxi. 23.
<i>rostratus</i> , Agass.	.....	.....	Poiss. Foss. ii. I, 148.
<i>Pteraspis</i> , ? Symondsii, Lank.	 L.	Herefordshire	Palæont. Soc. xxi. 27.
<i>truncatus</i> , Huxley & Salter.	 L.	Downton Sandstone, Kington, Ludlow Bone-bed, &c.	Quart. Journ. G. S. L. xx. 19.
<i>Scaphaspis</i> , spec. indet. (scales), Lank.	.....	.....	.....
Cyrtacanthus , Newberry, 1873.	CESTRACIONTIDÆ.		
<i>denticatus</i> , Newberry.	Cornif. Limest., L.	Delaware (Ohio)	Geol. Rep. 1873. i. 307.
Dendrodus , Owen, 1840.	Asterolepis , Eichw. Lamnodus , Agass., 1842.	Cricoides pars, Agass. Holoptychidæ .	Lethæa Rossica, ii. 1561.
<i>acutatus</i> , Pander.	O.R.S. M.	Cremona near Riga (Livonia)	Geol. of Moray, tab. 6; Quart. Journ. G. S. L. xix. 439.
<i>favosus</i> , Agass.	" M.	Kokenhusen (Livonia), Pawlowsk	Agass. Recherch. Foss. Dévon. p. 88.
<i>incurvus</i> , Agass., Duff.	" M.	Cremona, Pawlowsk, Scat Craig	MVK. Geol. Russ. ii. 417.
<i>inflexus</i> , Eichw.	" M.	Marjina by Pawlowsk	Trans. Roy. Soc. Edinb. xvi.
<i>latus</i> , Owen.	" M.	Findhorn, Scat Craig, Cremona	"
<i>minor</i> , Agass.	" M.	River Megra near Vitegra	"
<i>sigmoideus</i> , Owen.	" M., U.	Scat Craig (Elgin), Findhorn, St. Petersburg	"
<i>striatus</i> , "	 U.	Knock hill, river White Adder (South Scotland).	"
<i>strigatus</i> , "	" M., U.	Scat Craig, Riga, Pawlowsk	Lethæa Rossica, ii. 1561.
<i>sulcatus</i> , Agass.	.....	.....	.....
<i>tenuistriatus</i> , "	Marly Limest., M.	Rivers Ijora and Slawjanka, Prikscha. Russia, Baltic, and Russia proper	1562.
<i>spec. nova</i> , D'Arch. & Vern.	" U.?	Scotland, Russia, Blossburgh (Pennsylvania).	Trans. G. S. L. ser. 2, iv. 380.
"	Owen.	 U.	Bull. Soc. Géol. Fr. n. s. iv. 688.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Didymaspis , <i>Lankester</i> , 1867.	7. CEPHALASPID.E.		
<i>Grindrodi</i> , <i>Lank.</i>	Above Auchenaspis	Ledbury	Geol. Mag. iv. 152.
	Grits, L.		
Dimeracanthus , <i>Keyserling</i> , 1846.	PLACOIDEI.		
? concentricus.	O.R.S.	River Ijma (Petschora-land)	Lethæa Rossica, ii. 1597.
Dinichthys , <i>Newberry</i> , 1872.	Allied to <i>Asterolepis</i> .	<i>Coccosteus</i> , &c.	
<i>Hertzeri</i> , <i>Newberry</i>	Chem. U.	Delaware, Loraine Co. (Ohio)	Geol. Surv. Ohio, i. 317.
<i>Terrelli</i> , "	Huron Sh. (Chem.), U.	Sheffield, " "	" " 322.
Diplacanthus , <i>Agassiz</i> , 1842.	Fam. ACANTHODEI.		
<i>crassispinus</i> , <i>Agass.</i>	Black flags, M.	Stromness, Skail, Caithness	Monogr. Poiss. Foss. Dévon. p. 43.
<i>gibbus</i> , <i>M'Coy</i> .	Red flags, M.	Orkney	Brit. Pal. Foss. tab. 2b.
<i>gracilis</i> , <i>Egerton</i> .	O.R.S. L.	Balruddery, Farnell, Tynet Burn	Mem. Geol. Surv. dec. x. part 9.
<i>longispinus</i> , <i>Agass.</i>	" M.	Lethen Bar	Monogr. Poiss. Foss. Dévon. p. 42.
<i>perarmatus</i> , <i>M'Coy</i> .	Flags M.	Orkney	Brit. Pal. Foss. tab. 2b.
<i>striatulus</i> , <i>Agass.</i>	O.R.S. M.	Lethen Bar	Monogr. Poiss. Foss. Dévon. p. 42.
<i>striatus</i> , "	" M.	Cromarty, Orkney flags	p. 41.
<i>spec. novæ</i> (2), <i>Mitchell</i> .	" L.	Forfarshire, Kincardineshire	Quart. Journ. G. S. L. xvii. 146.
Diplopterus or - <i>ax</i> , <i>Agassiz</i> , 1835.	Fam. DIPLOPTERINI, <i>M'Coy</i> .		
<i>affinis</i> , <i>Agass.</i>	" M.	Gamrie (Banff)	Monogr. Poiss. Foss. Dévon. p. 55.
<i>Agassizi</i> , <i>Traill</i> .	Grey flags, M.	Pomona isle, Stromness	Trans. Roy. Soc. Edinb. xv. 90.
<i>macrocephalus</i> , <i>Agass.</i>	Upp. Dev. bone-bed ?	Caithness, Lethen Bar	Pal. Foss. p. 587; Lethæa Rossica, ii. 1556.
	U., black flags, M.		
<i>ringulosus</i> , "	" M.	Kalapi-Polist near Schudova	MVK. Geol. Russ. ii. 401-405.
Dipterus , <i>Valenc. & Pentland</i> , 1828.	Catopter us, <i>Ag.</i>	Ctenodus , <i>Ag.</i>	Polyph ractus, <i>Ag.</i> Fam. CTENODIPTERINI.
<i>arenaceus</i> , <i>Eichw.</i>	Marl-1st., O.R.S., M.	River Ijora (Govt. St. Petersburg) ...	Lethæa Rossica, ii. 1540.
<i>glaber</i> , <i>Pander</i> .	" M.	" Sjuss (Lake Ladoga)	" " 1539.
<i>marginalis</i> , <i>Agass.</i>	" M.	Orel (Russia)	" " 1537.
<i>Murchisoni</i> , "	" M.	"	" " 1538.
<i>parvulus</i> , "	Bluish Marl, M.	Kokenhusen (Livonia), Orel	" " 1537.
<i>platycephalus</i> , "	O.R.S. M.	" " river Volkhoff.	" " 1539.
<i>Polyphractus</i> .			
<i>radiatus</i> , <i>Eichw.</i>	Bluish Marl, M.	Marjina near Pawlovsk	" " 1536.
<i>serratus</i> , "	" M.	" " Orel	" " 153.
<i>spec. indet.</i> , <i>Powrie?</i>	O.R.S. M.	Near Thurso, Reiss bay, Halkirk, Banniskirk, Button Stroma.	Catal. Mus. School of Mines, Jernyn Street, London.
Eucephalaspis , <i>Lankester</i> , 1869.	CEPHALASPID.E.		
<i>Agassizi</i> , <i>Powrie & Lank.</i>	Cornstones, L.	Herefordshire, Worcestershire	Paleont. Soc. xxiii. 46.
<i>Asper</i> , "	" L.	Perthshire, Reswallie (Forfarshire) ...	" 50.
<i>Pagei</i> , "	" L.	Reswallie	" 49.
<i>Powriei</i> , "	" L.	Arbroath (Forfarshire)	" 47.
Eukeraspis , <i>Powrie and Lankester</i> .	OSTEOSTRACI.		
<i>pustuliferus</i> , <i>Agass.</i>	Downton Sandst., L.	Ludlow (Shropshire) (Passage-bed) ...	Geol. Mag. i. 550.
Euthacanthus , <i>Powrie</i> , 1864.	ACANTHODEI.		
<i>M'Nicolii</i> , <i>Powrie</i> .	O.R.S. L.	Montrose basin	Quart. Journ. G. S. L. xx. 425.
Glyptolamus , <i>Huxley</i> , 1861.	Fam. GLYPTODIPTERINI.		
<i>Kinnairdi</i> , <i>Huxley</i> .	O.R.S. U.	Dura Den (Fife), Elgin	Mem. Geol. Surv. dec. x. 41, 46.
Glyptolepis , <i>Agassiz</i> , 1843.	Fam. GLYPTODIPTERINI.		
<i>elegans</i> , <i>Agass.</i>	" M.	Gamrie (Banff), Kiltorkan, county Kilkenny.	Monogr. Poiss. Foss. Dév. p. 65; Proc. Irish Acad. ser. 2. ii. 48.
<i>leptopterus</i> , "	O.R.S. M., U.	Ontoleva (Russ.), Lethen Bar, Dipple, Murkle Bay, Thurso, &c.	Poiss. Foss. O. R. Sandst. tab. 20; Leth. Ross. i. 740; MVK. Geol. Russ. ii. 416.
<i>microlepidotus</i> , "	" M.	Lethen Bar	Monogr. Poiss. Foss. Dévon. p. 65.
<i>orbis</i> , <i>Eichw.</i>	" M., U. ? ..	River Slawjanka near Marjina, Dorpat, river Ijma, Riga.	Lethæa Rossica, ii. 1568.
<i>quadratus</i> , "	O.R.S. M.	River Slawjanka near Marjina	" " 1569.
<i>spec. indet.</i> , <i>Agass.</i>	" M.	Reiss Bay, Lethen Bar, Tynet Burn ..	Agass. Monogr. Poiss. Foss. p. 65.
Gyroptychius , <i>M'Coy</i> .	Fam. GLYPTODIPTERINI.		
<i>angustus</i> , <i>M'Coy</i> .	Bitum. Sch., O.R.S.	Cremona (Riga), Orkneys	Lethæa Rossica, ii. 1564; Brit. Pal. Foss. p. 596.
<i>diplopteroideus</i> , "	O.R.S. M.	Orkneys	Brit. Pal. Foss. p. 597.
Haplacanthus , <i>Agassiz</i> , 1844.	PLACOIDEI.		
<i>marginalis</i> , <i>Ag.</i>	O.R.S. M.	River Slawjanka, St. Petersburg	Lethæa Rossica, ii. 1599.
<i>tenuisulcatus</i> , <i>Eichw.</i>			
Helodus , <i>Agassiz</i> , 1838.	CESTRACIONTID.E.		
<i>antiquissimus</i> , <i>Eichw.</i>	O.R.S. U.	Government Toula (Russia)	" " 1545.
<i>lævisimus</i> , <i>Ag.</i>	" U.	Marjina (Russia), also Carb.	" " 1546.
Hemicyclaspis . See Cephalaspis .			
Heterosteus , <i>Asmuss</i> .	Ichthyosaurides , <i>Kutorga</i> .	Asterolepis , <i>Agass.</i>	
<i>eurynotus</i> , <i>Asmuss</i> .	Low. O.R.S., L.	Dorpat (Livonia)	" " 1524.
<i>spec. indet. (many)</i> , "	" L.	"	" " "
Holaspis , <i>Lankester</i> , 1873?	CEPHALASPID.E.		
<i>scriceus</i> , <i>Lankester</i> .	Grey Cornst., L.	Abergavenny (Wales)	Geol. Mag. x. 241.
Holodus , <i>Pander</i> .			
<i>Kiprijanowi</i> , <i>Pander</i> .	Dolomite in O.R.S., M.	Orel (Russia)	Lethæa Rossica, ii. 1844.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Holoptychius , Agassiz, 1836. Rhizodus , Owen. Fam. GLYPTODIPTERINI.			
Americanus, Leidy. O.R.S. U.		Tioga Co. (Pennsl.)	Journ. Acad. Nat. Sc. Philad. iii. 163.
Andersoni, Agassiz. " U.		Dura Den (upper beds), Moray, Clashes-bennie, Caithness, &c., Lake Ilmen, Voroneje, Govern. Vitegra, &c., Livonia, Courland, Blossburg (Pennsylvania), Genesee riv. (N. Y.).	Quart. Journ. xv. 429, xvii. 149.
giganteus, " O.R.S. M.		Elgin, Seat Craig	Monog. Poiss. Foss. Dév. p. 73.
Murchisoni, " "		Clashbennie	" " " 72.
nobilissimus, " " M., U.		Borowitschi, Valdai Hills, Prickscha, &c., England, river Whiteadder, Cockburn Mill, Berwickshire, Clashes-bennie, Elgin (Scotland), Blossburg (N. Pennsylv.).	Lethæa Rossica, ii. 1572; Bull. Soc. Géol. Fr. n. s. iv. 688; Quart. Journ. G. S. L. xv. 439.
Omalusii, " Limes. & Schist, M., U.		Houffalize (Belgium)	D'Omal. d'Halloy, Précis Géol. p. 576.
Sedgwickii, M'Coy. Flags M.		Orkney	Brit. Pal. Foss. p. 596.
Taylori, Hall. Catskill Group, U.		New York State (South and East) ..	XII. Rep. Regents N. Y. p. 1859.
spec. indet., Holl. " L.		Meadsfoot (S. Devon)	Quart. Journ. G. S. L. xxiv. 433.
" ? " U.		Baggy Point (N. Devon)	" " " xxiii. 634.
" Kayser. Crinoid Sch., M.		Elfel.	Zeitschrift &c. Berlin, 1871, p. 367.
Homacanthus , Agassiz, 1845. Hybodes , Agassiz, 1837. PLACOIDEI.			
arcuatus, Ag. Yellow Marls, M.		Riv. Slawjanka, Kynosk, Roussa, riv. Chelogne, Tchisma, St. Peterb.	Lethæa Rossica &c. ii. 1600; MVK. Geol. Russ. ii. 418.
gracilis, Eichw. O.R.S. M.		Riv. Slawjanka, near Marjina	Lethæa Rossica, ii. 1600.
triangularis, Eichw. O.R.S. M.		Kutorga.	
Homosteus , Asmuss. Asterolepis , Trionyx, Asmuss. Marls L., M.		Dorpat, Tzarskaya-Slawjanka, river Chelogne, Pawlowsk, Stromness, Black Schist.	" " 1519.
Homothorax , Agassiz, 1844. CEPHALASPIDÆ.			
Flemingii, Agassiz. O.R.S. U.		Dura Den (Fife)	Monog. Poiss. Foss. Dév. p. 134.
Ischnacanthus , Powrie, 1864. Diplacanthus , Ag. 1842; Egerton. Fam. ACANTHODEI.			
gracilis, Powrie. O.R.S. L.		Farnell Railw. Station, Forfarshire ..	Quart. Journ. G. S. L. xx. 419; Geol. Mag. i. 459.
Kallostrakon , Powrie and Lankester. Lower Cornst., L.		Herefordshire	Palæont. Soc. xxii. pl. 13.
Lamnodus , Agassiz, 1842. Dendrodus , Holoychydæ. O.R.S. L.			
biporcatus, Agassiz. O.R.S. L.		Ontoleva, St. Petersb., Cremona, Orkney, Seat Craig.	Monog. Poiss. Foss. Dév. p. 85-144; MVK. Geol. Russ. ii. 418; Lethæa Geogn. i. 745.
Panderi, " " L.		Cremona, river Ijma (Ural)	Monog. ut suprâ, p. 162.
sulcatus, " " L.		Elgin	" " " tab. 28.
Lognathus , Newberry, 1873. ELASMOBRANCHII.			
spatulatus, Newberry. Cornif. Limest., L.		Delaware (Ohio)	Geol. Surv. Ohio, 1873, i. pt. ii. p. 306.
Machæracanthus , Newberry, 1857. ELASMOBRANCHII.			
major, Newberry. Cornif. Limest., L.		Columbus, Metford, Delaware (Ohio).	Geol. Rep. 1873, i. pt. ii. p. 304.
peracutus, " " " L.		Milford (Dr. Mann), Indiana, Ohio, Gaspé (Billings).	" " " 305.
sulcatus (spines), " " (in Sands.), L.		Milford (Dr. Mann), Gaspé (sandst. no. 6)	" " " "
Macropetalichthys , Owen and Norwood, 1846. See Agassichthys . GANOIDEI.			
spec. indet., Norw. " M.		Lewis Creek, Jefferson Co., and Falls Ohio river (Indiana).	D. D. Owen, Geol. Rep. Minnesot. p. 79.
Microdon , Agassiz, 1833. PYCNOBONTIDÆ.			
bellistriata, Conrad? Ham. &c. M., U.		New York State, Pennsylv.	Vanux. Geol. Rep. N. Y. p. 162; H. D. Rogers, Geol. Pennsylv. p. 827.
exilis, Eichw. O.R.S. M.		River Ijora (drift)	Lethæa Rossica, ii. 1576.
lepidus, " O.R.S. M.		Marjina, near Pawlowsk	" " "
Narcodes , Agassiz, 1844. PLACOIDEI.			
pustulifer, Vern. " M.		Ontoleva (St. Petersburg)	MVK. Geol. Russ. ii. 409.
Naulas , Agassiz, 1844. PLACOIDEI.			
sulcatus, Agassiz. O.R.S. M.		Riv. Slawjanka, Chelogne (St. Petersburg).	" " "
Odontacanthus , Agassiz, 1844. PLACOIDEI.			
crenatus, Agassiz. Marls, Slates, M.		Kiver Megra	" " 408.
heterodon, " " M.		Riga (Livon.)	" " "
Odontocephalus , Conrad. Cornif. Limest., L.		New York	Geol. Rep. Illinois, p. xv.
Onchus , Agassiz, 1837. As. TRACANTIDÆ.			
arcuatus, Agassiz. O.R.S. L.		Herefordshire &c.	Murch. Silur. System, tab. 2.
heterogyrus, " Marls and Limest., U.		Timan Range (Asia), St. Petersb.	MVK. Geol. Russ. ii. 418.
Murchisoni, O.R.S. L.		Rivers Ijora, Slawjanka, Ludlow bone-b.	Lethæa Rossica, ii. 1594.
semistriatus, " " L.		Herefordsh., Southstone Rock	Morris, Cat. Brit. Foss. p. 334.
sublævis?, " " M.		Timan Range, St. Petersb., Roussa, &c.	Lethæa Rossica, ii. 1595.
tenuistriatus, " " M.		R. Slawjanka (St. Petersb.), Ludl. bone-b.	" " "
spec. indet., " " L.		Gaspé (Canada East).	" " "
(2), Mitchell. " " L.		Forfarsh., Kincardinesh.	Quart. Journ. G. S. L. xvii. 146.
Onychodus , Newberry. GANOIDEI.			
Hopkinsi, Newberry. Cornif. Limest., L.		Milford (Dr. Mann, coll'')	Amer. Journ. of Sci. n. s. xxxiv. 74.
sigmoides, " " " L.		" Delaware, Sandusky (Ohio).	" " " "

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Oracanthus , Agassiz, 1837.	ELASMOBRANCHII.		
abbreviatus, Newberry.	Cornif. Limest., L...	Milford (Ohio)	Geol. Rep. Ohio, i, pt. 2, p. 267.
fragilis, " "	" " L....	" Delaware, Sandusky (Ohio) ..	Amer. Journ. of Sci. xxxiv. p. 74.
granulatus, " "	" " L....	"	" " " "
multiseriatus, " "	" " L....	"	" " " "
Orodus , Agassiz, 1838. PLA...	COIDEI.		
spec. indet., Salter.	Shale .....U.	Skrinkle Bay (Caldy Island, Pembr. Co.)	Quart. Journ. G. S. L. xix. 477.
" Helmers.	Dolom. L'st. in Schist	Toula, Krapniva, Odoev, &c. (Russ.)	Helmersen, Explic. Carte Russ.
Osteolepis , Valenciennes and Pentland, 1828. Ple...	iopterus, Agassiz. Fam. SAURODIP...	TERINI.	
arenatus, Ag.	O.R.S. ....M.	Gamrie, Ross-sh., Cromarty, Orkney.	Monog. Poiss. Foss. Dév. ii. 122.
brevis, M'Coy.	In Nodules & Schist.	Caithness, Orkney	Brit. Pal. Foss. p. 587.
	O.R.S., M.		
Fischeri, Eichw.	Marl. L'st., O.R.S., M.	Marjina (river Slawjanka, Russ.).....	Lethæa Rossica, ii. 1554.
intermedius, " "	" " M.	" Borowitsche	" " 1553.
macrolepidotus, Val. & Pentl.	Flags, O.R.S., M. ...	" Kokenhusen (Marl), Caithness,	" " 1551.
		Pomona (black shale).	
major, Ag.	O.R.S. ....M.	Lethen Bar (Nairn), Kokenhusen, S.W.	Monog. Poiss. Foss. Dév. p. 51; Quart.
		Russ.	Journ. G. S. L. xv. 439.
microlepidotus, " "	"M.	Caithness, Pomona Isle.....	Monog. Poiss. Foss. Dév. p. 121.
nanus, Eichw.	Marl. L'st., O.R.S., M.	Marjina (river Slawjanka)	Lethæa Rossica, ii. 1555.
spec. indet., " "	O.R.S. ....M.	Caithness, Baligill, Serabster (N. Scotl.)	?
Palædaphus , Van Beneden et De Koninck.	?		
Devoniensis, Van Beneden.	?		
Palæoniscus , Agassiz, 1833. Palæoniscum, Blainville, 1818. LEPIDOSTEIDÆ.			
Brainerdi, Newberry.	Portage Group, U....	Brainerd (N. Ohio)	Amer. Journ. of Sci. xxxiv. 78.
spec. indet., Salter.	Shale .....U.	Skrinkle Bay (Pembrokesh.).....	Quart. Journ. G. S. L. xix. 477.
Pamphractus , Agassiz, 1844. (N.B. Is the dorsal aspect of a PTERICHTHYS.—Sir P. M. Egerton.)	O.R.S. ....U.	Dura Den (Fife)	Poiss. Foss. Dév. p. 21.
Andersoni, Agassiz.	O.R.S. ....U.		
Parexus , Agassiz, 1843. Fam. ACANTHODEI.	O.R.S. ....L.	Balruddery, Perth, Canterland, Farnell Station (Forfarsh.), Basin of Montrose.	Quart. Journ. G. S. L. xvii. 146, xx. 240; Monog. Poiss. Foss. p. 120.
incurvus, Agassiz.	O.R.S. ....L.		
Phaneropleuron , Huxley, 1861. Fam. PHANEROLEURINI.	O.R.S. ....U.	Dura Den (Fife) only	Mem. G. S. Great Brit. dec. x. 47.
Andersoni, Huxley.	O.R.S. ....U.	"	Geol. Mag. viii. 215.
spec. indet., " "	"U.		
Phyllolepis , Agassiz, 1843. CELACANTHINI.	Gritty Slate, L, U. ?	Meadsfoot, Meaford Beach (Torquay), Clashbennie (Perth).	Monog. Poiss. Foss. Dév. p. 67; Geologist, v. 456.
concentricus, Agassiz.			
Physichthys , H. von Meyer (1856). PLACODERMI.	Marly Schist	Eifel.....	Palæont. D. & M. iv. 80.
Hœninghausi, H. von Meyer.			
Placothorax , Agassiz, 1844. PLACOIDEI.			
Agassizi, Von Meyer.	M.	"	Jahrbuch &c. 1846, p. 596.
paradoxus, Ag.	M.	Seat Craig (Elgin), Russia	Monog. Poiss. Foss. p. 134.
Platygathus , Agassiz, 1843. Glyptopomus, Agassiz. Fam. SAUROIDEI-DIPTERINI.	O.R.S. ....U.	Dura Den (Fife), St. Peterb. (Russ.)	MVK. Geol. Russ. ii. 417.
Jamesoni, Ag.	O.R.S. ....M.	Orkney Isles	Monog. Poiss. Foss. Dév. p. 78.
paucidens, " "			
Plectrodus , Agassiz, 1839. PLACOIDEI.	O.R.S. ....U.	Forfarsh., Kincardinsh.	
spec. indet., Mitchell.	O.R.S. ....U.		
Pleuracanthus , Agassiz, 1837. Diplodus, Ag.	Shale .....L.	Houffalize (Belgium).....	TRYGONIDÆ. [p. 575.
laciniatus, Ferd. Röml.	O.R.S. ....M.	River Slawjanka (St. Petersburg.)	D'Om. d'Halloy, Précis Géol. 1868, Lethæa Rossica, ii. 1607.
porosus, Eichw.	O.R.S. ....M.	" "	" " 1606.
tuberculatus, " "	In L'st., O.R.S., M.		
Polyphractus , Agassiz, 1843. GANOID. See		Dipterus.	
Pristacanthus , Agassiz, 1837. PLACOIDEI.			
marinus, Eichw.	O.R.S. ....M.	River Slawjanka, near Marjina	" " 1605.
Psammodus , Agassiz, 1838. ELASMOBRANCHII.			
antiquus, Newberry.	Cornif. Limest., L....	Milford (Ohio)	Geol. Rep. Ohio, 1873, i, pt. 2, p. 267.
rugosus, Agassiz.	Limestone, M.	Eifel.....	Recherch. &c. P. F. tab. 19.
spec. indet., Salter.	Shale .....U.	Skrinkle Bay, Caldys Isle	Quart. Journ. G. S. L. xix. 477.
Psammosteus , Agassiz, 1845. Placosteus, Ag. 1872. GANOIDEI.	Greenish Marl, U.	S.W. Russ. passim, Krinto-beretchka	MVK. Geol. Russ. ii. 417.
arenatus, Agassiz.	Dolom. Limest., M., U.	Asuppen (Courland), Mount Andoma (Russia), Cremona (Riga).	Lethæa Rossica, ii. 1516.
meandrinus, " "	O.R.S. ....M., U.	Government. St. Petersburg, Kokenhusen, Cremona, rivers Msta and Volkhof.	" " 1517.
paradoxus, " "	"M.	River Sjass, Kokenhusen, Marjina ...	" " "
undulatus, " "	"M.		
Pteraspis , Kner, 1847 = Scaphaspis. See		Cyathaspis.	
Pterichthys , Agassiz, 1843. Pamphractus, Agassiz. CEPHALASPIDÆ.	O.R.S. ....M.	Morayshire, Orkney schists	Monog. Poiss. Foss. Dév. 17.
cancriformis, Agassiz.	"M.	Lethen Bar (Moray), Nairnshire	Poiss. Foss. Vieux Grès-rouge, tab. 2.
cornutus, " "	"U.	Dura Den	Monog. Poiss. Foss. Dév. p. 21.
hydrophilus, " "	"M.	Lethen Bar, Orkney (M'Coy)	" " " "
latus, " "	Yell. S'st., O.R.S., U.	Farlow (Shropshire)	Quart. Journ. G. S. L. xviii. 103.
macrocephalus, Egert.	O.R.S. ....M.	King's Steps Quarries, Seat Craig, river Findhorn, Cockburn's Mill, Head of Ayr, river Andoma (Russ.)	Monog. Poiss. Foss. Dév. pp. 19, 135; R. Etheridge, jun., Explan. Sh. Scotl. xiv. 12.
major, Agassiz.	O.R.S. ....M.		

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Milleri, Agassiz.	O.R.S. M.	Cromarty, Orkney Islands	Monog. Poiss. Foss. D�v. p. 15.
oblongus, " "	" M.	Gamrie (Banff), Orkney Isl. (M'Coy).	Poiss. Foss. Vieux Gr�s-rouge, p. 16.
ornatus, " "	" M.	Lethen Bar	Bronn, Leth�a Geogn. i. 744.
productus, " "	" M.	" the Orkneys (M'Coy)	Poiss. Foss. Vicux Gr�s-rouge, p. 16.
quadratus, Egert.	" M.	Gamrie	Quart. Journ. G. S. L. iv. 313.
testudinarius, Agassiz.	" M.	Orkney Isles.	
Ptychacanthus , Agassiz, 1837.	PLCOIDEI.		
dubius, Agassiz.	O.R.S. L.	Forfarsh., Kincardinesh., Herefordsh.	Poiss. Foss. D�v. iii. 176.
spec. indet., " "	"	"	" " 139.
Ptyctodus , Pander, 1858.	See Aulocosteus .		
spec. indet., Grewingk.	" M.	Upp. Velicaja Valley, Oluchowa, Rassi-	Grewingk, Geol. Livonia &c. p. 35.
Rhinodus , Newberry & Worthen, 1866.	CHIMEROIDEI.	[Iowa.	
calceolus, Newb. & Worth.	Ham. M.	Calhoun Co. (Illinois)	Geol. Surv. Illinois, ii. 106.
Sclerolepis , Eichwald, 1860.	HOLOPTYCHIDE.		
decoratus, Eichw.	O.R.S. M.	Pawlowsk, river Slawjanka	Leth�a Rossica, ii. 1570.
Stenacanthus , Leidy. Fam. SAURODIPTERIDE.			
nitidus, Leidy.	O.R.S. M.	Tioga Co. (N. York)	Journ. Acad. Nat. Sc. Philad. iii. 164.
Tripterus , M'Coy, 1848.	Triplopterus , M'Coy, 1855.	SAURODIPTERIDE.	
glaber, " "	" M.	Eifel	Pal�ont. D. & M. i.
Pollexfeni, M'Coy.	O.R.S. M.	The Orkneys	Brit. Pal. Foss. p. 589.
Tristichopterus , Egerton, 1861.	Fam. CTENODIPTERINI.		
alatus, Egerton.	O.R.S. M.	John o' Groat's (Caithness)	Mem. Geol. Surv. dec. x. 51.
Zenaspis . See Cephalaspis .			
Ichthodorulite .			
spec. indet., " "	" L.	Looc (Cornwall)	Quart. Journ. G. S. L. xxiii. 634.
Fish Remains, " "	" M.	Ilfracombe (N. Devon)	" " " "
? " Ad. R�mer.	Black Calceol. Lst., M.	Riesbach, Bockwiese (Harz)	Pal�ont. D. & M. iii. 76.

INCERTÆ SEDIS.

Genus, Species, and Author.	Horizon.	Locality.	Reference.
Aptychus *, Von Meyer, 1821.	1. Lepadites , Germer, 1826.	Munsteria , Deslongchamps, 1835.	Trigonellites , Troost. A [Cephalopod?
dubius, Ad. R�m.	Goniat. Limest., U...	North-west Harz	Pal�ont. D. & M. iii. 28.
vetustus, D'Arch. & Vern.	?	Eifel	Trans. G. S. L. ser. 2, vi. 386.
<i>levigatus</i> .			
codonensis,† ?	"	?	Amer. Journ. Science, ser. 2, xliii. 365.
Gervillii, " "	"	"	" (quoted by T. G. Green). "
Hunfriesianus, " "	"	"	Amer. Journ. Science, ser. 2, xliii. 365.
microstoma, " "	"	"	" " "
Calceola , Lamarck, 1809.			
sandalina,	Calceola Sch., Eifelian	Schalke, Eifel (passin), Li�ge, Chimay,	Lindstr�m, Geol. Mag. iii. 356, 408 ;
<i>Zoantheria rugosa</i> .	stages 3, 4, 5, 6, L.,	Couvin, Aubri�ve, Wallers, Givet,	Verstein. Harz, 1843, p. 12 ; Bull.
One of the C�lenterata?	M., U.	Brilon, Langenberg, Goslar, Chir- combebridge, Torquay, Nehou, Nowa Slupia, &c.	Soc. G�ol. Fr. n. s. viii. 20, xxi. 305 ; Davidson, Mono. Brit. Devon. Brach. p. 105 ; Trans. G. S. L. ser. 2, vi. 390 ; Zeuchner, Zeitschr. &c. Berl. xxi. 268.
Lophinus .			
dubius, Murch.	Ferrug. Limest., M...	?	

* See Pictet, Palont. vol. ii.

† From observations on lists of Tertiary Fossils by T. Conrad, and of Palont. Fossils by Mck and Hayden.

THE LOCAL HORIZONS (DEVONIAN) MENTIONED IN THIS THESAURUS.

AMERICA.

In Alphabetical order.

ABBREVIATIONS:—UHL. Upper Helderberg Limestones; L. Lower Devonian; M. Middle; U. Upper.

AMERICA, N.N.W. ARCTIC.	CANADA WEST (<i>continued</i>).	ILLINOIS (<i>continued</i>).	MICHIGAN (<i>continued</i>).
ALASCA, U. S. TERRITORY (in parts), M.	Enniskillen, UHL, M.	Moline, M.	Crawford Quarry (Monro Co.), UHL.
Anderson River, near River Mackenzie, M.	Goderich (Lake Huron East), UHL.	Quincy, Chem., U.	Emmet's Co., UHL.
Athabaska Lake (in parts), M.	Grand River (Lake Erie), L.	Rock Island and Co., M.	Grand Traverse Bay (Lake Michigan), U.
" River, M.	Gravelly Bay (Wainfleet), Cornif. Limest.	Union Co. (Townsh ^p XII.), M.	Granville, U.?
Clearwater River, M.	Hagersville, L.	Camp Creek, Cornif. L'st.	Kalamazou, Huron Gr ^p , U.
Great Slave Lake (Fort Resolution), M.	Haldemant (N.W. L. Erie), Oriskany Sandst., UHL.	Charleston Landing, UHL.	Lenawa Co., U.
Lockhart River, near River Mackenzie, M.	Howard (N.W. Lake Erie), Cornif. Limest., L.	Clarke Co., UHL.	Little Traverse Bay, M.
Mackenzie River (in parts), M.	Humberstone, Cornif. L'st., L.	Leaves Creek, UHL.	Mackinac Island (Lake Huron), UHL.
" at the Ram- parts, M.	Ipplawash (Kettle Point, Lake Huron S.E.), U.	Silver " (Clarke Co.), U.	Partridge Point, M.
Mackenzie River, Fort Good Hope, M.	Jarvis Village, UHL.	Washington, UHL.	Presquisle Co., UHL.
Mackenzie River, Grand River (in parts), U.	London, Cornif. Limest., L.	Burlington, U.	Raisinville (Monro Co.), UHL.
Mackenzie Riv., Liard Riv., M.	Maitland River (Lake Huron), UHL.	Carrolton, M.	Squaw Point (Great Traverse Bay), U.
Onion River, near River Mackenzie, M.	Malden (Riv. Detroit), UHL.	Cedar River, L.?	Sulphur Island (Great Traverse Bay), U.
Porcupine River (Hamilton Group), M.	Norfolk Co., Orisk. S'st., L. M.	Cedar (Red River), L.?	MISSOURI.
Red River (Manitoba), M.	Oneida, Orisk. Sandst., UHL.	Davenport, M.	Bailey's Landing?, L.
Snake Island (Winnepagosis Lake), M.	Point Abino (L. Erie), UHL.	Desmoines River, UHL.	Boone Co., U.
ARKANSAS.	" Douglas (L. Huron), L.	Independence Town, M.	Callaway Co., UHL, M.?
Batesville, M.	Port Albert, UHL.	Iowa City, M.	Clear-Creek Island, Oriskany Sandst., L.
Calhoun Co., M.	" Colborne (N.E. L. Erie), UHL.	" River (the lower), M.	Elk Spring (Pike Co.), U.
CANADA EAST (Gaspé).	" Dover (N.E. Lake Erie), UHL.	New Buffalo, M.	Gabouri Co., U.
Cap Bon Ami, L.	" Stanley (Lake Erie), Ham. Gr ^p .	Rapid Creek, M.?	Keg Creek, UHL.
Passage-bed (L'st.) No. 5.	Rainham, Cornif. Limest., L.	Rockford, M., U.?	Lamhne (Cooper Co.), U.
Cape Gaspé, L.	Rama's Farm (Port Colborne), L.	Rockingham, M.	Moniteau Co., U.
Gaspé Bay, L., M., U.	Lake Erie, UHL.	Salem, UHL.	Mount Vernon (Moniteau Co.), U.
Grand Grève (Gaspé Bay), Limest. No. 8, L.	St.-Clair Lake, UHL.	Shellsburg, M.	Pettis Co., U.
Indian Cove, L.	St. Mary, UHL.	Vinton, M.	Pike Co., M.
Little Gaspé, L.	Wainfleet (L. Erie), L.	Wapsinonox Co., M.	Polk Co., U.
Mont Joli (Gaspé Bay), L.	Walpole " UHL.	Waterloo, UHL.	Providence Co., U.
Percé or Split Rock (Gaspé, Malbay), L.	Waterloo (Lake Erie West), Oriskany Sandst.	KENTUCKY.	St. Mary's River, UHL.
Point Jaune (Gaspé), L.	Widder Town (L. Erie), M.	Beargrass Creek (Jefferson Co.), U.	" Town, L., Oriskany Sandst.
White Head (Gaspé Bay), L.	Woodstock (L. Erie), UHL.	Bullist Co., UHL.?	Saline Creek (St. Geneviève), U.
York River " L.	Wyndham (Norfolk Co.), L., Oriskany Sandst.	Calhoun, M.	Splice Creek (Moniteau Co.), UHL.
CANADA WEST.	ILLINOIS, U. S. A.	Carlisle, UHL.	Taney Co., U.
Bear Creek L. (St. Clair), M., U.	Alexander Co., Orisk. S'st., L.	Carrolton, UHL.	Weston, M.
Bertie (Horne's Quarry), L.	Bakeoven (Jackson Co.), M.	Clear Creek (Worthen), Oriskany Sandst., L.	Willenburg (Perry Co.), M.
Blanchard Co. (Lake Erie), L.	Bald Rock (Jackson Co.), L., Oriskany S'st., M. & W.	HAMBURG.	NEW BRUNSWICK.
Bosanquet Co., L. M.	Baldknob (Union Co.), Oriskany Sandst., L.	Cumberland Co., Orisk. S'st.	Beaver Lake, U.
Carriack, UHL.	Calhoun, M.	Handcock, M.	Black River, M.
Cayuga, North, UHL.	Carrollton, UHL.	MICHIGAN.	Bloomsbury Group, L.
Dereham (Tilsons-bury), Cornif. Limest.	Clear Creek (Worthen), Oriskany Sandst., L.	Alpena (Thunder-Bay Island, Lake Huron), M.	Carlton East (St. John's), M.
Douglas?, UHL.	Hamburgh, M.	Bedford (Monro Co.), UHL.	Courtney Bay, M.
Dunn Township (Lake Erie), Oriskany Sandst., UHL.	Jonesboro', M.	Branch Co., Huron Gr ^p , U.	Duck Cove, Lancaster (west of Carlton), M.
		Calhoun Co., " U.	Emerson's Creek, M.
			Ivanhoe, M.

NEW BRUNSWICK (continued).		NEW YORK (continued).		NEW YORK (continued).		NEW YORK (continued).	
Lancaster Township,	M.	Cherry Creek (Chataque	U.	Mud Creek,	M.	Woodstock,	U.?
Little-River Group,	M.	Co.),		Napoli,	U.	Wyoming (Kent Co.),	U.
Macomber's Brook (Quaco),	M.	Cherry Valley (Ot-		New Scotland (Albany		York (Livingstone Co.),	M.
Manawagonish,	M.	sego),	UHL. & M.	Co.),		Oriskany Sandst.	NOVA SCOTIA.
Martin Head,	M.	Clarence Hollow,		Norwich.		Bear River,	UHL.
Millicent Lake,		Onond. Limest.,	L.	Ogden's Ferry (L. Cayuga),	M.	Campbell Town.	
Cordaite shales,	M.	Clarkesville,		Olean.	U.	Canaan Beds,	UHL.
Mispeck (St. John's),	M.	Schohar. Grit.,	UHL.	Oueida Falls and Co.,	UHL.	Cobequid Hills,	UHL.?
Pesarinco,	U.	Coemans (Albany Co.),	UHL.	" Creek M., Marcell. Sh.		Moose Riv. (iron-ore),	UHL.
Portland (Carlton),	M.	Cold Springs (Cattaraugus		Onondago Hollow,	UHL.	Mount Thom,	UHL.?
Red Head (Pennfield),	M.	Co.),	U.	Ontario Co.,	M.	" Dalhousie,	UHL.?
St. John's,		Connewango Co.,	U.	Oriskany Town and Falls,	L.	Nietau,	UHL.
Salmon River,	U.?	Cortland Co.,	U.	Otsego Co.,	M.	Restigouche.	
" Little,	U.	Cortlandville,	U.	Ovid (Seneca Co.),	M.	Onno.	
Shag Rocks,	M.	Cooperstown,	M.	Owasco (Cayuga Co.),	M.	Akron,	M.
Shepody Mountain,	M.	Covington (Genessee Co.),	U.	Painted Post (Steuben Co.),	U.	Ashland,	U.
Ten-Miles Creek,		Crooked Lake,	U.	Panama (Chataque Co.),	M.	Brainerd.	
Cordaite Shales,	M.	Darien (Erie Co.),	U.	Paris Hill. L., Orisk. Sandst.		Chagrin Falls,	U.
Vaughan's Brooks (Quaco),	U.	Delphi Town and Falls,	U.	Patterson's Creek (Livingstone		Chillicothe.	
West Beach,	M.	Dexterville,	U.	Co.),	M.	Columbus,	UHL.
NEW YORK.		Dresden,	M.	Pavilion (Genessee Co.),	M.	Cuyahoga Falls,	UHL. &c.
Addison (Steuben Co.),	U.	Dryden,	U.	Phillipsburg (Allegh. Co.),	U.	Dayton,	UHL.
Albany Co.,	U.	Eastman's Quarry		Plainfields,	M.	Delaware River,	UHL.
Albion, New,	U.	(Utica),	UHL.	Portland (Lake Erie),		" Town,	U.
Alden (Erie		18-mile Creek,	M., U.	" U., Portage Grp.		" County, Shale,	U.
Co.),	M., Marc. Shale.	Elmira (Tioga Co.),	U.	Pratt's Falls (Madison Co.),	M.	Dublin, Cornif. Limest.,	L.
Alexander (Geness. Co.),	M.	Fabius (Ouondago Co.),	M.	" Forks	" M.	Fairport (Ashtabula Co.),	M.
Apulia (Onond. Co.),	M.	Factoryville (Tioga Co.),	U.	Randolph (Cattaraugus		Granville (Licking Co.),	U.
Ashland? and Ashland		Fallbrook (Genessee Riv.),	M.	Co.),	U.	Grenville.	
Co.,	U.	Fenner (Madison Co.),		Rockville (Alleghany Co.),	U.	Jefferson (Ashtabula Co.),	U.
Auburn, Oriskany,	UHL.	Franklin,	U.	Salem,	UHL.	Lancaster (Fairfield Co.),	U.
Aurora (Lake Cayuga),	M.	French Creek (Chataque		Saugerties (Ulster Co.),	U.	Loraine Co.,	M.
Avon (River Genessee),	M.	Co.),	U.	Schoharie Co.,	L., M.	Madison Co.,	UHL.
Babeock's Hill (Oneida		Fulton Green (Schoh. Co.),	M.	Sherburn, U., Portage Grp.		Marblehead,	UHL.
Co.),	UHL.	Fultonham,	M.	Shortville,	UHL.	Marion,	UHL.
Bald Hill (Ithaca),	U.	Genessee River and Co.,	U.	Skencateles Town,	M.	Monclovia (Lucas	
Bath (Steuben Co.),	U.	" Little,		" Lake,	U.	Co.), Cornif. Limest.	
Bellona (Yates Co.),	M.	Gilboa,	U.	Smryna (Chenango		Monroville, Huron Sh.,	U.
Benton,	U.	Great Valley,	U.	Co.), Geness. Slate,	U.	Mount Vernon,	
Berlin, New (Otsego Co.),	M.	Green Co.,	UHL.	Solsville,	M.	" Waverley Sandst.,	U.
Bethany (Geness. Co.),	M.	Hamburg (Lake Erie),	M.	South Valley (Cattaraugus		Northfield Centre (Summit	
Bigstream Point,	M.	Hamilton,	M.	Co.),	U.	Co.),	
Bingham Township (Broome		" West,	M.	Springfield (Herkimer		Rockville,	M.
Co.),	U.	Harbon Co.,	M.	Co.), L., Cornif. Limest.		Sandusky,	UHL.
Black rock (River		Herkimer,	UHL.	Springport (Lake		Sheffield (Loraine	
Niagara),	UHL.	Hobbeville,	U.	Cayuga),	UHL.	Co.), Shale,	U.
Bloomfield (W. Ontario),	M.	Homer,	M.?	Stafford (Genessee Co.),	U.	Sylvania West,	UHL.
Borodino,	M.	Howard (Alleghany Co.),	U.	Steuben Co.,	U.	Valley Forge,	U.
Bridgewater Flats (Oueida		Howland,	U.	Summit Co.,	U.	White Sulphur Springs,	M.
Co.),	M.	Ithaca, U., Portage, Chem.		Tinker's Falls, Tully L'st.,	M.	PENNSYLVANIA.	
Bristol (Ontario Co.),	M.	Jamesville,	UHL.	Tioga Co.,	U.	Bedford (Bedford Co.),	U.
Broome,	M.	Jasper,	U.	Tompkins Co.,	U.	Bradford,	U.
Buffalo (Lake Erie),	UHL.	Jefferson (Steuben Co.),	U.	Troupsboro' (Steuben Co.),	U.	Corning and Blossburg Rail-	
Burchards (Madison Co.),	M.	Kellogsville,	M.	" Creek,	U.	way,	U.
Cadiz (Cattaraugus Co.),	U.	Knoxville (Albany		Trumansburg,	U.	Keadville,	U.
Caledonia (Livingstone		Co.),	UHL. &c.	Tully (Onondago Co.),	M.	Kinzua (Warren Co.),	
Co.), Onond. Limest.		Lapham Mills,	U.	" Four Corners,	U.	Lehigh River (pars),	U.
Canandaigua Lake,	M.	Leon (Cattaraugus Co.),	U.	Ulster Co.,	UHL.	Lockhaven (Centre Co.),	
Capon-River Mouth.		Leroy (Genessee Co.),	M.	Unadilla Riv. (Otsego Co.),	M.	Meadville (Crawford Co.),	U.
Cashagua Creek,	M.	Lima (Ontario Co.),	UHL.	" Town	U.	Oil Creek,	U.
Portage Group,	U.	Litchfield (Herkim		" (Richmond's		Pottsville? (pars), E.S.E. of	
Cassville (Oneida Co.),		Co.), Cornif. Limest.		Quarry), Catskill Grp.		Danville,	U.
Catskill Mountains,	U.	Livingstone Co.,	UHL.	Vandermarks Creek (Alleg-		Shafers,	U.
Cattaraugus (West N. Y.),	U.	Ludlowville (Cayuga Co.),	M.	hany Co.),	U.	Standing Creek (Huntingdon	
Cayuga (Cayuga		Madison,	U.	Victor East (Ontario		Co.), Geness. Sl.,	M.
Co.), Portage Group,	U.	Manchester,	L., M.	Co.),	UHL.	Wellsborough (Tioga Co.),	U.
Cazenovia (Madison		Manlius,	L., M.	Vienna (Ontario Co.),	U.	Wirtzburg,	
Co.),	UHL., M.	Montrose (Penns.?),		Warren, L., Caudi-Galli Grp.	TENNESSEE.		
Chataque,	U.	Moscow (Livingstone Co.),	M.	Waterville, M., Marc. Shale.		Estill Springs.	
Chemung Narrows,	U.	Mount Upton (River Una-		Westmoreland (Oneida		Hickman Co.	
Chenango Co. and Canal (Mid		dilla), Chem. & Catskill,		Co.),	UHL.	Magnagon (Perry Co.),	M.
N. Y.),		Mountmorris,	M., U.	Williamsville (Erie Co.),	U.	Maury Co.,	U.

EUROPE &c.

AFRICA, SOUTH (CAPE OF GOOD HOPE).		BELGIUM (<i>continued</i>).		BELGIUM (<i>continued</i>).		ENGLAND (<i>continued</i>).	
Bokkeveld, Cold.	L.	Comblain la Tour (Luxemburg),	M.	Vireux,	L.	Aightington (Worcestershire),	L.
" Warm,	L.	Condros,	U. &c.	Waller,	M.	Ashburton,	M.
Cedarberg (Sndbrgr.),	L.	Corvant (Luxemb.),	L.	Waulin (Namur),	M.	Asholt (Quantoock Hills).	
Gydow Pass,	L.	Couvin (Namur),	M., U.	Wellin (Luxemb.),	L.	Babbicombe (Torquay),	M.
Hottentot Kloof,	L.	Cour St. Henri (Hainault),	M.	Wignehies (Namur).		Babbington (Frome),	M.
Knysna River,	L.	Dinant (Namur),	M.	Willers le Gambon (Namur),	M.	Baggy Point,	U.
Kokman's Kloof,	L.	Erquelines,	M.			Barton (S. Devonsh.),	M.
Leo Hloof,	L.	Esneux,	U.	BOHEMIA.		Bedruthen Steps (Padstow),	L., M.?
Rozendale,	L.	Eupen,	L.	Beraun (Münst. Beitr. v.),	U.	Berry Pomeroy (Devons.),	M.
ALTAI (ASIATIC RUSSIA).		Famenne,	U.	Karlstein,	L.?	Berryhead,	L.
Gherikoff,	U.	Ferrières,	M.	Konieprus,	M.	Bewdley (Worcestersh.),	L.
Karetschoumishe,	M.	Férussac,		Trantenau,	M.	Bidwell (Devonsh.),	
Kousnetzker Basin,	U.?	Flohimont,	U.	CENTRAL GERMANY (conjectural).		Blackhall (Totness),	L., M.
Las-icha,	?	Franses (Marienburg),	M.	Cramenzels,	U.	Bolland (Yoredale, York.),	U.
Schlangenbergr (Smein),	M.	Givet (River Meuse),	M.	Münster (F. Röm.),	U.	Bradley (Newton Bush),	M.
Sjass River (Nova Ladoga),	M.	Goschenie (Namur),	M.	Odersbuch (Brandenburg).		Bradford (Pilland),	M.
Timan Mountains.		Godoumont,	L.	Pfarrberg, Cym. Limest.,	U.	Braunton (N. Devonsh.),	U.
Tomsk (Siberia),	L., U.	Gulzines (Namur),	U.	Philipseck,	L.	Bromyard (Worcestersh.),	
Ulbinsk,	M.	Hampsteau (Luxemb.),	L., M.	Philipstein, Cypr. Sch.,	U.	Brushford (N. Devons.),	U.
Ust-Uchta (West Siberia),	M.	Hatton,	U.	Plauritzberg (Gratz),	U.	Budleigh-Salterton (fossils chiefly Devonian).	
Zinieff Valley (Smeef),	U.	Hautmont,	M.	Signaringen (Hohenzollern),	U.	Challacombe (Combe Martin),	L.
ARMENIA.		Here (Namur),	M.	Sixfeld,	U.	Chamberscombe (Devons.),	M.
Arpatchai River.		Honnay,		Steinfeld (Oldenburg).		Chirecombe Bridge,	U.
Bargarrack,	L.	Hornes (Hainault),	Carb.?	Tollthales Wolfshagen (Brandenburg),	L.	Chudleigh Appleyway (S. Devonsh.),	L.
Carverah Convent,	L.	Houffalise (Ardennes),	L.	Venwegen,	M.	Clayhanger (Tiverton),	U.
Elbourg Mountain.		Huy (River Meuse),	L.	Webersberg,	U.?	Collumpton.	
Neckla Valley (Caucasus).		Jemelle (N. Belgium),	M.	Wenan.		Combe (Ashburton),	M.?
Touwa? (Caucasus).		Jugny (Prof. Gosselet).		EIFEL.		" Martin (N. Dev.),	M.
BADEN.		Lampret,	U.?	Aldbutte,	M.	Countesbury (Devonsh.),	L.
Birghaupten.		Limburg,	U.	Berendorf,	M.	Cradley (Herefordshire),	L.
Gummersbach (F. Röm.),	M.	Macon (Givet),	M.	Blankenheim,	L.	Croyde Bay (N. Devonsh.),	U.
BAVARIA.		Magy (Namur),	M.	Büdesheim (Schist, Sandberger),	U.	Dartington (Totness),	M.
Adelsdorf.		Marbaix (Namur),	U.	Commern.		Dartmouth (Devonsh.),	M.
Baireuth (F. Röm.),	U.	Marienburg (Namur),	U.	Daleiden,	L., M.	Denbury (Devonsh.),	M.
Durrewaid (Geroldsgrün),	U.?	Matagne (Dinant),	U.	Dallendorf.		Dilbury (Worcestersh.),	L.
Fichtelgebirge,	U.	Merlemont (Namur),	M.	Daun,	L., M.	Downton Castle,	L.
Gattendorf,	U.	Mommignies (Hainault),	M.	Ehlens,	L.	Dulverton.	
Geigen,	U.	Montigny (River Meuse),	M.	Frienfels (Wielburg),	M.	Durlaston Bay (S. Devonsh.),	
Geiser (Presseck),	U.	Namur district,	U.	Gees (by Gerolstein),	M.?	Farington (Somersetsh.),	
Hof,	U.	Neufchâteau,	M.	Gerolstein,	M.?	Farlow (Shropshire),	U.?
Hurtwagen (Geroldsgrün),	U.	Neuville (Namur),	M., U.	Heisterstein,	M.	Flaxley (Gloucestersh.),	L.
Naila,	U.	Nisme (Couvin),	M., U.	Hillesheim,	M.	Foreland, North (N. Dev.),	L.
Presseck (F. Röm.),	U.	Nimes (Namur),	M.	Ilohe (Prüm),	M.	Fowey (Cornwall),	L.
Regnitz-losau (F. Röm.),	U.	Oine (Liège).		Holdernich (Commern).		Frankmarsh (N. Devonsh.),	U.
Rieden (Laacher See),	L.	Ozo (Luxemb.),	M.	Hontheim (Prüm),	L.	Fremington Pits,	
Schneeberg.		Pepinster (Spa),	M.	Irrhausen,	M.	Passage-beds,	U.
Schwartzenbach (Hof),	L.	Pesch (Namur),	L.	Keldernik,	M.	Freshwater (East Pembroke).	
Teufelsberg (Hof),	U.	Petignies (Namur),	M.?	Kerpen,	U.	Galmpton Creek (Devons.),	L.
Valhalla (Ratisbon),	U.	Phillipville (Namur),	U.	Muhlenberg (Gerolstein),	M.	Glenthorne (Devonsh.),	L.
BELGIUM.		Rance (Hainault),	M.	Nieder-Elbe.	L.	Goodleigh (N. Devonsh.),	U.
Agimont,	M.	Rhisme (Namur),	U.	Nollebach (Kerpen),	M.	Hadleigh Park,	L.
Ahr River (on Riv. Rhine),	L.	St. Christophe,	U.	Oos (Gerolstein),	M.	Haggington (N. Devonsh.),	M.
Alveux (Namur),	U.?	St. Hubert,	L.	Pelm,	L., M.?	Halburton (Devonsh.),	M.
Amay (Liège),	U.	Schlous,	M.	Prüm,	U.	Hangman Grits (Devons.),	
Amblain (Namur),	M.	Seilous,	U.	Rommersheim (Sndbrgr.),	M.	Harberton (Devonsh.),	M.
Amby,	M.	Senzeilles,	U.	Schöneck,	L.	Hedden's Mouth?,	L.
Ath (River Dendre),	U.	Soignies,	U.	Singhofen (Sndbrgr.),	L.	Hele-boro' (Ilfracombe),	M.
Aubrière (Riv. Meuse),	L., M.	Sugny,	L.	Waxweiler,	L.	Herefordshire (in parts),	L.
Avesnes,	U.	Surtainville,	L.	Weidesheim, Cypr. Sch.,	U.	High Bay, Marwood S't.,	U.
Awant?,	M.	Sury,	M.	Weinsheim Hoho (Prüm),	M.	Hillsboro' (Devonsh.),	M.
Bailièvre (Hainault),	M.	Tainnières,	L.?	Weisserberg (Homburg).		Hinston (Bromyard),	L.?
Baives (De Koninck),	U.	Tatimont,	L.?	Wipperfurth?,	L.	Holdstone (N. Devons.),	L., M.
Bastogne (Luxemb.),		Thuin (River Sombre),	M.	ENGLAND.		Hope's Nose (S. Devonshire),	L., M.
Berwine River,	U.?	Treigne (Luxemb.),	M.	Acton Beauchamp (Bromyard),	M.	Ilfracombe (N. Devonsh.),	M.
Bouillon (Dinant),	M.	Tressel,	U.	Adcombe (W. Somersetshire),	M.	Ippelepen (Devonsh.),	M.
Burnot,	U.	Valcour,	U.				
Cerfontaine (Namur),	M.	Verlaine,	U.				
Charlemont Citadel,	M.	Vervières,	U.				
Chaufontaine,	U.	Vesdre Valley (De Koninck),	L., M., U.				
Chinay, Cyprid. Sch.,	M., U.						

ENGLAND (continued).

Kington (Herefordsh.),	L.
Lanlake (Petherwin),	U.
Lantivit.	
Lannceston,	L. ? U.
Leary (S. Devonsh.),	U.
Ledbury (Herefordsh.),	L.
Lee Cove (N. Devonsh.),	L.
Linton	"
Liskeard (S. Devonsh.),	M.
Looe Town and Island,	L.
Lnckwell,	M.
Ludlow (Shropshire),	L.
Lummaton (S. Devonsh.),	M.
Lynmouth (N. Devonsh.),	L.
Martinhoe	"
Marwood	U.
Meadsfoot (S. Devonsh.),	L.
Menabily.	
Milledon (St. German's),	L.
Morebath (N.E. Devonsh.),	L.
Morte Bay (N. Devonsh.),	L.
Mount Wise (Plymouth),	M.
Muddiford (Devonsh.),	L.
Mudstone Bay,	L., M. ?
Nettlecombe (W. Somersetshire).	
New Quay (Cornwall),	L. ?
Newton Abbot (S. Dev.),	M.
" Bushel	"
Ogwell (S. Devonsh.),	U.
Overstowey (Somersetsh.),	U.
Padstow (Cornwall),	U.
Park Quarry,	U.
Petherwin, S. and N. (Cornwall),	U.
Pilland (N. Devonsh.),	U.
Pilton (North Devonshire),	Passage-bed, U.
Plaistow Mill (N. Dev.),	U.
Plymouth,	M.
Polperro (Cornwall),	L., M.
Polruan,	L.
Ramsleigh (Mr. Pengelly),	M. ?
Roster Bridge,	M.
Rowlestone (Herefordsh.),	L.
St. Columb (Cornwall),	L.
St. German's	"
St. Keyne	"
St. Veep (Fowey),	L.
Sandebay (Devonsh.),	
Santop Bay (Pembroke-shire).	U. ?
Sauntton (N. Devonsh.),	U.
Sloly,	U.
Smithstone Rock (Herefordshire),	L.
Southstone Rock (Herefordshire),	L.
Sprecombe,	
Stonehouse Hill (S. Dev.),	M.
Stowey (Cornwall),	L. ?
Tawstock (Devonsh.),	
Teignmouth (S. Devonsh.),	U.
Tintagel (Cornwall),	U.
Top Orchard (N. Devons.),	U.
Torquay,	M.
Totness,	M.
Towey Cliff,	L.
Trentishoe (N. Devonsh.),	L.
Trivarga (Cornwall),	U.
Trimpley (Worcestersh.),	U.
Valley of Rocks (N. Dev.),	L.
Warren Point,	M.
Watersmeet (N. Devonsh.),	L.
Westangle (Pembroke-shire),	U. ?
Whaddon Cross (Gloucestershire).	
Whitesand Bay (S. Dev.),	L.
Widmouth (Cornwall).	

ENGLAND (continued).

Withycombe,	M.
Woodabay,	L. ?
Woolacombe (Somersetsh.),	M.
Woolboro' (Newton),	M.
Worcestershire (in parts),	L.
Yealm Bridge (Launceston),	L.
Yealmtun (S. Devonsh.),	L.
FRANCE.	
Alençon (Dép. Orne),	L., M.
Ancenis (Low. Loire),	L., M.
Anor (Valencienn.),	L.
Argentré (Ille et Vil.),	L.
d'Avesnes (Arrond.),	U.
Babacannières, la,	M.
Bain (Brittany),	L.
Baives (N. France),	L.
Bas Boulonnais,	U.
Bellignies (Du Nord),	M.
Blacour (Dép. Calais),	U.
Boussières (N. Fr.),	M.
Bouzellé (Low. Loire?),	M. ?
Brest Roads,	M.
Brules (Ancenis),	L.
Brulon (de la Sarthe),	M.
Caillou-Quibic (Ardennes),	L., M.
Carteret (La Manche),	L.
Cedula, la (Bas Boul.),	M.
Chagey (Hericourt),	L.
Chalonnès Rouvroy (River Loire),	U.
Chatelais (St. Georges),	U.
Cherz (Ardennes),	L.
River de la Cie (La Manche),	U.
Cop Choux (Low. Loire),	U.
Cormerie, la (La Sarthe),	L.
Cotentin, le (Normandy),	U.
Cotterets (Pyrennees),	U.
Coudray, le (La Sarthe),	L.
Courtoisieres, les (La Sarthe),	U.
Dimont (N. Fr.),	U.
d'Izé (Ille et Vil.), Vitre,	M.
Ebray (Low. Loire),	L.
Ecoehere (Ancenis),	M.
Etraungt (N. Fr.),	U.
Faon (Brittany),	L.
Feron,	M.
Ferques (Bas Boul.),	U.
Fiennes (Bas Boul.),	U.
Firon (N. Fr.) = Sch. Famenne,	U.
Forgette, la (Avesnes),	U.
Fournies (N. Fr.),	L., M.
Franchimont (Ardennes),	M.
Gahard (St. Aubin),	U.
Glageon (N. Fr.),	U.
Gussignies (N. Fr.),	U.
Hestrude (N. Fr.),	U.
Hierges (Ardennes),	U.
Le Ham,	
Lisle (Tarn),	L.
Loué (La Sarthe),	L.
Manche, la,	U.
Manzenil (Ancenis),	U.
Mondrepuis (Aisne),	L.
Montaigne Noir (Langue-doc),	L., U.
Montaneuf,	L.
Moutrelais,	U.
Mouzenil (Low. Loire),	U.
Nefiez (l'Herault),	U.
Nehou,	L. ? M.
Ortenville (France?),	L.
Paines (Bas Boulon.),	U.
Pequigny (La Somme),	U.
Perques (La Manche),	L.
Pont d'Aizy (N.E. Fr.),	U.

FRANCE (continued).

Pont Drôme,	U.
Ramonsies (N. Fr.),	M.
Rennes,	M.
Roquigny (Ardenn.),	L.
Rouvroy (Chalonn.),	U.
Ruinart (N. Fr.),	L.
St. Aubin du Comier (Ill. et Vill.),	M. ?
St. Cincré,	L.
St. Jean (River Mayenne),	L.
St. Paul (le Cotentin),	L.
St. Pierre (Riv. Mayenne),	L.
St. Remy (Malbatié, N. Fr.),	U.
Sains (N. France),	U.
Santour (N. France),	M.
Sars Poteriers (N. France),	U.
Sionville (La Manche),	L.
Tech et Tet Valley (Pyrennees),	L. or M.
Trelon,	M.
Val d'Ossau (Pyrennees),	L.
Valogne,	L.
Valliers (St. Gertrude),	L.
Viré (La Sarthe),	L.
Vitré,	L.
FRANCONIA.	
Elbersreuth (Up. Franc.),	U.
Gattendorf.	
Geiser (Upper Franc.),	U.
Gerlas (Upper Franc.),	U.
Harlmansgrün (Upper Franconia),	U.
Hartmansreuth (Upper Franconia),	U.
Schauenstein (Up. Franc.),	U.
Schleitz,	U.
Schubelhammer,	U.
Steinbruch (Munster),	U.
GALLICIA.	
Landescron,	L.
Rittberg,	M.
HARZ.	
Adensberg (Oker),	L.
Altenau (Sndbrgr.),	U.
" (N.W. Harz),	U.
Bergfeld (Rübeland),	U.
Bielshohle (Rübeland),	U.
Birkenthal (Oker),	M.
Bockswiese (Lautenthal),	M., U.
Brohlthal (Lautenthal),	L. ?
Buchenberg (Elbingerode),	M.
Bundenboch (Birkenfeld),	U.
Passage-bed, U.	
Chaussee-Manse,	U.
Ecksberge (Lautenthal),	U.
Ehrenfeld (Hsenberg),	U.
Elbingerode,	M.
Festenburg (Zellerfeld),	L., M.
Gosethal, Calceola Sch.,	M.
" Lower (Goslar),	L.
Goslar,	M.
Granethale (Hahnenckles),	M.
Grund,	M.
Hahnenckles,	M.
Harleberge,	U.
Hartenberg (Elbingerode),	M.
Hasseroide (Werninger),	L.
Herzberges,	L.
Hohenckle (Goslar),	M.
Hubhauses (Polsterberge),	M.
Ingelnorkopfes (Tannes),	M.
Hubbegeinstein (Claus-thal),	M.
Hutthales,	L., M.
Huttonrode,	U.
Iberg Mill,	M.
Idstein,	L.

HARZ (continued).

Ilsenberg,	L.
Kahleberg,	L., M.
Kehrzu,	M.
Kellerwassersthal (Altenau),	U.
Klosterholzes (Hsenberg),	L.
Laddeken-Berges, (Wieda),	L., M.
Laubach,	L.
Lautenthal, Pass.-bed,	U.
Lerbach, Upper,	L.
Mandelholz,	M.
Oberschulenburg (Claus-thal),	U.
Odenberg (Okerthal),	U.
Okerthal (Altenau),	M., U. ?
Rammelsberg (Goslar),	L.
Rhomkerbouche (Okerthal),	M.
Reisbach (Schulenberg),	M.
Reisenbachs (Schulenberg),	M.
Reisenbachthales,	L.
Rothelutte,	M.
Rübeland (Iberg),	U.
St. Andrea's-burg,	L.
Schalke (Zellerfeld),	L.
Schededeke (Runkel),	U.
Scheerenstiege Teiche,	L. ?
Schulenberg (Zellerfeld),	U.
Selkethal,	M.
Sophienhutte,	L.
Stemberg (Goslar),	L.
Sulbach (Hanover),	L.
Sultberge (Goslar),	L.
Tanne (Elbingerode),	U.
Tannenber (Ochrenfeld),	L.
Tonnechener Manor (Elbingerode),	M.
Unkel,	L.
Weilberg,	U.
Weinschenke (Bonteboch),	M.
Wieda,	M.
Zeigenberg,	L.
Zorge,	M. ?
LIVONIA WITH COURLAND (Gre-wink, Eichwald, &c.).	
Aa River,	M.
Absenan,	U.
Adamshof,	U.
Adsel (Esthonia),	U.
Anrepsf,	U.
Albebache,	L.
Arrokalla Dorfe,	U.
Borké (Repaz),	U.
Bumschi-Gibert,	U.
Burfneck Lake,	M.
Cremona (Riga),	M.
Duna River,	M.
Fellin,	M.
Frederikstadt (R. Duna),	M.
Garssen,	M.
Guldap,	M.
Haanhof,	M.
Hanger (Courland),	M.
Ill,	U.
Ilpeh,	U.
Isborsk,	M.
Isnitz (Courland),	M.
Jacobstadt,	M.
Jeffrey more,	M. ?
Jungfernhoff,	U.
Keggium,	U.
Kiddyverw,	L.
Koekull,	L.
Kirchholm,	M.
Kohenhusen,	M.
Lawcane (Courland),	M.

LIVONIA WITH COURLAND (continued).		NASSAU (continued).		NASSAU (continued).		PRUSSIA (RHENISH) (continued).	
Lennewarden,	U.	Dill (Dachschiefer),	U.	Selters.	U.	Kipperfurth (Dusseldorf).	
Lettin,	M.	Dillbrecht,	M.	Sessachters (Oberscheld),	U.	Labachthal (Cologne).	
Lindenhof,	L.	Dillenburg,	L.	Solms (River Lahn).		Laubach (Sndbrgr.),	L.
Lobenstein,	M.	Drommerhausen (Weil-	U.	Sinn (Dill. valley),	U.	Lustheide (Cöln),	M.
Logarowitsche,	M.	burg),	U.	Sotenich,	M. ?	Marienheide (Cöln),	L.
Matkowizi,	M.	Ehrenbreitstein (Coblenz),	L.	Stein (Haackenbergl).		Menzenberg,	L., M. ?
Oknest,	U.	Eibach (Dillenburg),	L.	Steinfishbach (Idstein).		Mettman (Dusseldorf),	M.
Oluchova,	M.	(Cyprid. Sch.),	U.	Steinlaache,	M.	Moresnet,	U.
Oppebahnhothen,	M.	Ems (Lahn Mouth),	L.	Steinsberg (Diez),	U.	Paffrath (Cöln),	M.
Parmo,	M.	Emmershausen,	L.	Taunus Mountains.		Pfaffendorf (Cöln).	
Peddeltz,	M.	Enspel, L. Spir. Sands.		Unkel,	L.	Refrath (Cöln),	M.
Petschur,	M.	Eppenrod (Diez),	L.	Usengen,	L.	Rudesheim.	
Pskow (Pleskau),	M.	Erdbuk (Amte Idstein),	L.	Vilmar,	M.	St. Goar,	L. ?
Rannahulla,	L.	Passage-bed, U.		Vohneek (on Rhine River).		Salkendorf (Siegen, Cöln),	L.
Rassilowa,	L.	Eschelbach (Montebaur),	L.	Waldgermes,	M., U.	Schwelm (Dusseldorf),	M.
Rennenhouse,	U.	Fachingen (Diez),	L.	Waldschen,	U.	Siebelgebirge (Bonn).	
Riga,	M.	Frientfels (Weilburg),	M.	Wadschneudorf (Monta-		Siegen (Cöln),	L.
Ronnen (Courland),	L.	Frohenhausen (Dillen-	L.	baur),	L.	Solingen (Cöln),	L. ?
Ronneberg.		burg),	L.	Wasterwald (River Lahn),	L.	Unkel,	L.
Roop,	M.	Gabelstein,	L.	Wessenberg,	L.	Vallendar (Sndbrgr.),	L.
Salisburg,	L.	Gachenbach,	L.	Weitselters,		Waldbrol,	M.
Schagory (Courland),	M.	Geilnau (Diez),	L.	Weid-Munster (Schaalstein).		Wassenach.	
Schelon River (Pskow).		Gessacher.		Weilburg,	M.	Weipenfeld,	M.
Schloek (Courland),	M.	Griebenroth,	L.	Wetzlar (River Lahn),	M., U.	Winningen (Coblenz),	L.
Schrunden (Courland),	M.	Griefenstein (Dillenburg).		Wirzenborn (Montabour).		REUSS PRINCIPALITY.	
Segewold,	L.	Haackenbergl.	L.	Wissenbach (Wetzler),	L.	Kahleite,	U.
Shlitterof,	L.	Hadamar, Stringoceph. L.,	M.	Zitterfeld (Culm also),	L.	Langenauohle (Otters-	
Smordenska,	M.	Hahnstätten,	U.	PETSCHORA-LAND.		dorf),	U.
Snetogorskai,	M.	Haiger Hütte (Dillenburg),	L.	Ilmar River,	M.	Schleitz, Cyprid. Sch.,	U.
Tchudova,	L.	Haiger-Seelbach,	L.	Ischna River,	M.	Tegau (Schleiss),	U.
Torgel,	L. ?	Hasselborn,	L.	Oustouthta, Cyprid. L'st.,	U.	Zeudenrode,	U.
Velicia Valley,	M.	Holzappel (Diez),	L.	Poratselmaya River.		RUSSIA IN EUROPE.	
Vitepsk.		Karlsberg (Weilburg).		Sina River.		Andoma Riv. (L. Omega),	U.
Vitschegda Valley,	M.	Kemmenau (Ems),	L.	Tehisma,	U.	" Mountains,	U.
Volkhof (River Longa),	M.	Kirschhofen (Weilburg),	U.	Touban Lake.		Aratowitch,	M.
Warzau (Wurtzau),	M.	Königszug (Eibach),	U.	Uchta River,	U.	Astroph (Riv. Volkhof),	M.
Windaushof (Courland),	U.	Korsdorf.		Vejayé River.		Asuppen,	U.
LUXEMBOURG.		Lagenschiede (Diez),	L.	Vilva.		Baigora R. (Tambof Govern.),	
Amberloup,	L.	Lahnstein,	L.	Vol River,	M.	Bjeleff (Govern. Oleff),	M., U. ?
Barvaux,	U.	Langenschwalbach,	L.	Woll River (Ischna),	M.	Bogoroditsa (Toula),	U. ?
Comblain la Tour,	M.	Laubachthal,		Zsilma River,	M.	Bovinskyer-Sawoda,	U.
Cowant,	L.	(Spirif. Sands.),	L.	POLAND (RUSSIAN).		Borowitchi (Gov. Novgor.),	L. ?
Grupont,	L.	Laubuseckbach,	U.	Bodzentin (Ferd. Röm.),	M.	Bouregli (Lake Ilmen),	M.
Martelange,	L.	Lenne River (Rhine		Cheneiny,	M.	Brastowisteb (Riv. Volkhof),	
Marcourt,	L.	affluent),	M.	Kieler,	U.	Budewich (Central Russ.),	M.
Masbourg,	L.	Ley,	M. ?	Malagozez,	M. ?	Chelogue (S.W. Russ.),	M.
Ozo,	M.	Lohnberger Weg,	M.	Nova Skaly,		Cheractale (Sterlitamac),	M.
Wellin,	L.	Lohren (Dillenburg),	M.	Nova Slupia (Sandomir),	M.	Dachwisa (River Don).	
MORAVIA.		Mandersbach (Herborn),	U.	Sandomir,	M.	Dewitz River,	M.
Braunsberg,	U.	Montabaur,	L.	Sitka,	M.	Divjatina (Veroneje Gov.),	M.
Mohredorf,	U.	München-Mühle (River		Wilna Town, Drift,	U.	Donubrowa (Grodno),	M.
Ritzberg (Mahren),	M.	Lake),	M.	" Government, Drift,	U.	Donetz (Gov. Eaterinos-	
Rottberg,	U.	Nastätten,	L.	PRUSSIA (RHENISH).		lof),	M.
NASSAU.		Neiderlahnstein,	L.	Aachen (Aix-le-Chapelle),	M.	Dvina, La (Gov. Orel),	M.
Agger River (Rhen. Prus.),	M.	Neider-Rosbach,	L.	Abenthauer (Hunsdruck),	L.	Endovistei (Voroneje),	
Altendorf,	U.	Neider-Schels (Dillenburg).		Altenahr, Cyprid. Sch.,	U.	M., Geol. Russ. ii. 339.	
Altweilnau,	M.	Neider-Selters (Idstein).		Altenberg (Wetzlar),	M. ?	Grasi (on Riv. Wedusa),	L.
Arfurth,	L.	Oberauroff (Idstein).		Asterstein (Coblenz),	L.	Gastino-polschaya-pristar	
Astert,	L.	Oberbicht,	M. ?	Bensberg (Cöln),	M.	(Volkhof),	M.
Audenschweide (Weil-		Oberdomenberg (Aumenau).		Berge ?,	L.	Ieletz (Gov. Orel),	M.
burg),	L.	Oberelmemberg (Dillen-	L.	Boppart,	L.	Iendowitsche (River Wen-	
Baldunstein (Dietz),	L.	burg),	L.	Brodenbach (Coblenz),	L.	duga),	U.
Bergebersbach (Dillen-		Obermederschild (Dillen-	L.	Brohl (Sndbrgr.),	L.	Ijora Riv. (Gov. St. Peters-	
bach),	L.	burg),	L.	Buderick,	M. ?	burg),	M.
Bodensteiner (Vilmar),	M.	Oberscheld,	U.	Capellen (Sndbrgr.),	L.	Ilmen Lake (Gov. Novgor.),	U.
Brandoberndorf,	L.	Oeltersdorf, (Limest.),	U.	Caub (St. Goar),	L.	Iolva Riv. (Verneuil),	M.
Braubach (Lahn Mouth),	L., M.	Oelbach,		Coblenz,	L.	Ioriew,	M.
Braunfels (River Lahn),	U.	Oranienstein (Dietz),	U.	Condethal (Winningak),	L.	Kaminietz (Podolia),	M.
Bredelar,		Oppershofen,	L.	Corneli-Munster (Berg-		Kaminoje (Riv. Matyra),	L.
Burg,	U.	Paffenweisbach (Usingen).		shen).		Kerist Riv. (Mid. Russ.),	L.
Burg-Solms (River Lahn),	U.	Panschenberger Muhle,		Duren,	L.	Khotinc (Riv. Dniester),	M. ?
Butsbach,	Low, M.	(Eisen roth.),	U.	Fibenbusch (Reuss Princi-		Kochary (Zadonsk),	M.
Caub,	L.	Rastätten.		pality),	L.	Konkolodes (Riv. Don),	M.
Clamberg (Cramberg),		Rosbach,	L., low, M.	Elberfeld,	M.	Kouzerje (Gov. St. Pet.),	M.
Dietz,	L.	Rosenberg (Braubach),	L.	Eupen.		Kortischitze (Gov. Nov-	
Diethardt (Nastatten).		Ruchershausen (Wehen).		Forstbachthal (St. Goar),	L. ?	gorod),	M.
Diez (River Lahn).		Runkel,	U.	Horhausen (Sndbrgr.),	L.	Krapivna (Toula),	U.
		Schedeck (Runkel),	U.	Hundruck,	L.	Krasnaya (Gov. St. Petersb.).	

RUSSIA IN EUROPE (continued).		SAXONY (continued).		SCOTLAND (continued).		SPAIN (continued).	
Kynosk (R. Tschioraya), M.		Planschwitz (Ferd. Röm.),		Park Hill (Fife),	U. ?	Ferrones (Asturias), F. Röm. L.	
Labedian (Riv. Don), M.		Plaunsche (Dresden), L. ?	U.	Penning Hill (Ether., Jun.),	L.	Fontenosas (Sierra Mor.),	
Ladoga Lake, M.		" Greenst. Tuff.		Pomona Isl. (Orkneys),	M.	Fuentabrada (Toledo Monts.),	
Lepeseck (Riv. Matyra), M.		Ronneburg, L.		Reiss Bay (Wick),	M.	Guadalme (Almaden),	L.
Likhvine (Gov. Kalouga), M.		Taltitz (Voightlands, Sndbr.),		Reswallie (Forfarsh.),	L.	Guadalperal (Almaden),	L.
Lipetz (Riv. Don), M.		Wideness, M.		Ross-shire, M. (pars.)		Herrera del Duque (River	
Marjina (Pawlowsk), M.		Wolfsburg, U.		Sandside (Thurso, Reay),	M.	Guadiana),	L.
Matyra (Gov. Tambof), L.		Zeighist (Magwitz),	U.	Scat-Craig (Elgin),	M.	Hinerejos (Prov. Cuenca),	L.
Megra River (Vitegra), M.				Scrabster (Thurso),	M.	Huerto del Llano (Chillon),	L.
Miatschkowa (Moscow), M.				Shetland Isles, L.,	M.	Las Capillas (Sabero),	M. ?
Mouss Riv. (Gov. Kowno),		SCOTLAND.		Skail (Orkneys),		Leon (Province),	L. &c.
Msta Riv. (Gov. Novg.), M., U. ?		Alewater (Ayton, Berwick-		Sluie, M.		Levanza (Prov. Palencia),	L.
Mtsensk (Gov. Orel), M., U. ?		shire),	L.	South Head (Wick),	M.	Llama (Leon),	U. ?
Nicolo-gastounki, M.		Altire (N.E. Scotl.),	M.	Spynie Castle &c.,	M.	Millar (Leon),	L.
Nosceck, M.		Arbroath, L.		Strathmikle (Cupar, Fife),	U.	Palacios, Los (Guadalupe),	
Nova Silskaya (Gov. Orel), M.		Auchencraw Burn (E. Berwick-		Strathpfeffer (Ross-shire),	M.	Pelapaya (Ferrones),	L. ?
Nova Zembla, M. ?		shire),	L.	Strounness (Orkneys),	M.	Pena de la Venera (Sabero),	L.
Ob River (N. Russia), L. ?		Ayr River Head, M.		Sunbridge, M.		Pola de Gordon (Leon),	L. M. ?
Octrada (Gov. Orel), U.		Balligill (Sutherlandsh.),	M.	Tain, M.		Pordetras de la Pena, L. ?	
Odiot district, U.		Balruddery (Perthsh.),	M.	Tarbet Ness, M.		Pueblo del Alcecer (R. Guar-	
Oka River (Gov. Orel), M., U.		Banff, M.		Tealing, L.		dian),	L. ?
Old Staraja, M. ?		Banniskirk (Caithness),	M.	Thurso (N. Scotl.),	M.	Puerta Alba (Robles, Leon),	U.
Olonest (Lake Ladoga), M.		Barragill, L.		Troup Head, M.		Puerta de los Enamoradas	
Onega Lake, M.		Billhaven (Dunbar),	M.	Tynet Burn (Banff),	M.	(Almaden),	
Ontoleva (Gov. St. Petersburg),		Boath, M.		Whitbach (Berwicksh.),	M.	Puertodel Cierva (Leon),	M., U.
Orel (Town and Gov.), M.		Brechin, M.		White-adder River (Berwick-	L.	Reynosa (Prov. Burgos),	L. ?
Otrrada (Riv. Oka), M.		Caithness, M.		shire),	L.	Robles (Leon),	U.
Pawlosk (Gov. St. Petersburg),		Carmyle (Forfarsh.),	L.	Wick (N.N.E. Scotl.),	M.	Sabero (Rio Esta, Leon),	F.
Peredki (Valdai Hills), L., M.		Carnbye, L.				Röm.,	L.
Piatina (Riv. Don), M.		Cauterland (Kincardin.),	L.	SILESIA.		San Blas, L.	
Pinega, M.		Change Burn (Ayrsh.),	L.	Billingen (Upper Silesia),		Val Mayor (Fuentabrada),	L.
Pitsensk, M.		Clashbinnie, U.		Borszczow, U. ?		Valcos (Leon),	M.
Podmokloya (Gov. Toula),		Clune, M.		Brietenau (Wiedselters),	L. ?	Valdemosillo (Almaden),	L.
Podolsk (Moscow), M.		Cockburn's Mill (Dunse),	U.	Durrberg (F. Röm.),	L.	Veneros (Leon),	L.
Polist River (Mid. Russ.), L.		Craig, M.		Ebersdorf (Glatz Co.),	M., U.	Viescay (Asturias),	
Poretshic (Riv. Louga), L.		Cromartie, M.		Falkenberg (Eulengebirge),	U.	Vinna de Ayllon (Almaden),	
Poritz (Czarsko-selo), M.		Cupar (Forfarsh.),	M.	Freiburg, M.		Villariciosa (Asturias),	Bull.
Prikshe (Gov. Novgorod), M.		Dipple (Elgin),	M.	Glatz, L.		Soc. de Fr. Schultz.	
Prussino (R. Volkhof), M. ?		Dornack, L.		Kielce (F. Röm.),			
Raizau district, M., U.		Dundee, L.		Kunzendorf-ober, M., U. ?		STYRIA.	
Ratolka (Gov. Moscow), M., U.		Dura Den (Fife),	U.	Leisnitz (Upper Silesia),		Feldbacher, U.	
Ropsha (Gov. St. Petersburg),		Eathie (Cromartie),	L., M.	Logau, M.		Gratz, U.	
Samowitz (Mid. Russia), U. ?		Faruell Station (Forfarsh.),	L.	Paulsdorf, U.		URAL.	
Seliger Lake (Valdai Hills), M.		Ferryden, M.		Rittsburg, M.		Alina (Sadinsk),	M. ?
Slawjanka River (Gov. St.		Fifeshire (Sandstones),	U.	Rothwalsdorf (Glatz Co.),	U.	Bogosloffsk, M. ?	U.
Petersb.), M. ?		Findhorn Riv. (Elgin),	M.	Schweidnitz, M.		Inja (Ijma),	L. ?
Slobolskoi (Valdai Hills), M.		Findraska (N.E. Scotl.),	M.	Siewierz (Upper Silesia),		Isviose River, L.	
Slobouka (Riv. Oka), L.		Forfarshire, L.		Stein-kauzendorf, L.		Jarolowsk, U.	
Tielef (Gov. Orel), M.		Furin Mill, L.		Troppau, L.		Jolva (Yolva, Bogosloffsk),	
Torbejewo (River Vorone-		Gamrie (Banff),	M.	SPAIN.		Katusa River, U.	
je), L., M.		Gimpie (R. Etheridge, Jr.),	U.	Alcecer (Andalusia),		Krjoutsbereschka, U.	
Toula, U.		Glamis, L.		Aleje (Rio Esta, Leon),	L.	Lola River, M.	
Touraya, M.		Halkirk (Caithness),	M.	Alejeco (Rio Esta, Leon),	L.	Marina (Serebrianka),	M.
Tzarskaya, M.		Harelaw Quarry (R. Ether.,		Almaden (Sierra Moreno),	L. ?	Satiusk, L.	
Valdar Hills (Gt. Oloretz),		Jun.),	U.	Almadenos (Sierra Mo-		Serebrianka River, L.	
Verdonk (Voroneje), M.		Harland (Wick),	L.	reno), M. ?		Sosva River, M.	
Verlevo (Gov. St. Petersburg),		Hemer (Caithness),	M.	Arnas (Asturias),	L. ?	Tatia River, U. ?	
Vitegra (Lake Onega), U.		Holburn Head (Thurso),	M.	Arrubiel Valley (Almaden),		Tchusounia River, L.	
Vol River, M.		John o' Groat's, M.		Asnaron, Castile de (Almaden)		Tschismas, U.	
Voroneje (Riv. Don, Gov.		Kilminster (Wick),	L.	Astort District, L. ?		Ustkataf, U.	
Orel), M.		Kincardineshire, L.		Aviles (Asturias),	L. ?	Vitchegda River (N. Ural),	
Wellsii (Riv. Volsow), M. ?		Kingsteps Quarry (Nairns.),	U.	Bellastera (Almaden),		Volkanka River, ?	
Zadonsk (Riv. Don), Vern.		King's Top, M.		Belmes (Almaden),	L.	THURINGIA.	
Geol. Russ. p. 156, U.		Kinnel, L.		Brazortas (Sierra Moreno),		Bohleu (Saalfeld), U.	
Zaraisk (Gov. Riazau), M.		Kirkwall (Orkneys),	M.	Buzdongo (Leon),	U.	Grafenthal (Saalfeld), U.	
		Kuockhill (Ether., Jun., Ber-		Cabeza del Buey (Guadal-		Laasphe, U.	
		wicksh.),	U.	ma), L. ?		Mecklin-hausen, U.	
SAXONY.		Laufine (Etheridge, Jun.,		Cacapona, L.		Monksberges (Saalfeld),	Cyp.
Christwitz, U. ?		Ayrshire),	M.	Caracollera (Valdeazogues),		Sch., U.	
Dresden, L.		Laysmill (Forfarsh.),	L.	Celle (Sabero, Leon),	L. ?	Muhlbachthul, U.	
Ebersdorf, Passage-bed (LLS),		Lerwick (Orkneys),	U.	Cerro del Hinojo (Leon),		Obersteinach, Cyprid. Sch. U.	
Ebinbusch, U.		Lothenbar (Moraysh.),	M.	Cerro de los Palacios,	L.	Oettersdorf, Cyprid. Sch. U.	
Elstergehange (Plauen),		Lossiemouth (N.E. Scotl.),	M.	Chillon (Almaden),	L.	Pfaffenberges (Saalfeld),	U.
Grobsdorf (Ronneburg), U., L.		Monachthy Hill (Nairnsh.),	U. ?	Collada de Llaiva (Leon),	L.	Saalfeld, M., U.	
Helm, M.		Montrose (Forfarsh.),	L.	Colle (Leon),	L.	Schaderthal (Grafenthal),	U.
Magwitz, U.		Morayshire, U.		Cortejos de Malay (Toledo),		Schaumberg (Saalfeld),	
Marxgrün (Elnitz), U.		Murkle Bay, M.		Cubillas Port (Asturias),	L.	TURKEY.	
(Elnitz, U.)		Murray Firth, M.		Cuenca (Hinerejos),		Anderovitha (Marmora	
Oschatz, U.		Orkney Isles, M.		D'Archiac, L.		Sea),	L.
Planitz (Zwickau), U.							

TURKEY (continued).		TURKEY (continued).		WESTPHALIA (continued).		WESTPHALIA (continued).	
Antitaurus (Asia Minor),	L. ?	Tchauchachi (Bosphor.),	L.	Bredenbach.		Hohensulbachkopf (Sie-	L.
Arnaut-koi (Bosphorus),	L.	Tchubuchlii (Bosphor. in		Brilon (70 miles E. of		gen),	
Belinkoi (Bosphorus),	L.	Asia),	L.	Cöln),	U.	Iserlohn (Dusseldorf),	M.
Constantinople,	L.	Therapia (Bosphor.),	L.	Capellen (Rhen. Pruss. ?),	L.	Lüdenscheide (Sndbrgr.),	L.
Feké (Nicomedia Gulf),	L.	Trachæa (Cilicia),	L.	Enkeberg (Brilon),		Ludens.	
Guenk-soi (Bosphor., Asia),	L.	Yailadji (Point Cilicia),	L.	Cyprid. Seh. U.		Madfield (Brilon, Sand-	
Kanlydjia,	L.	Yeniko (Bosphorus),	L.	Enspel (Westerwald),	M.	berger),	Cypr. Sch. U.
Kartal (Asia Minor),	L.	WESTPHALIA.		Giershagen,	U.	Meschede (River Ruhr),	M.
Kelender,	L.	Ahausen.		Hagen (Ferd. Röm.),	M.	Nehden (Brilon),	Cypr. Sch. U.
Kilindria (Cilicia),	L.	Altendorf.		Hauseberg,	L.	Olpe (Cöln),	Calceola Sch. M.
Kouroutchisma (Bosphor.),	L.	Attendorf,	M.	Hausling Hill (Arnsberg),	L.	Oppershausen (Wetterau),	L.
Mont-Geant (Bosphor.),	L.	Auerhahne (Bigge, ? Ad. Röm.)		Heissenstein (Siegen).		Schwelm (Elberfeld, Sand-	
Orta-koi,	L.	Balve,	M.	Heilthal,	L.	berger),	M.
Pendek (Nicomedia Gulf),	L.	Bigge (Upper River Ruhr),	M.	Hessenstein,	Low. M.	Waldbrol (Sndbrgr.),	M.
Princes's Isles (Bosphor.),	L.	Billstein,	L.	Hoffnung (River Ruhr).		Warstein? (Sndbrgr.),	U.
Seutari (Bosphor.),	L.	Bredelar,	M., U. ?	Hohen-keple (Ad. Röm),	M.		

ABBREVIATIONS EMPLOYED IN THE FOREGOING PAGES.

DEVONIAN FORMATION.

NORTH AMERICA.

		From below upwards.
		Horiz.
Oriskany Sandstone		Lower ... Orisk.
Cauda-Galli Grit	Often called U.H.L., Upper Held. G ^p or L ^t st.	L. Caud. Gr.
Schoharie "		L. Scho. Gr.
Onondago Limest.		L. Onon. L.
Corniferous "		L. Cornif. L.
Marcellus Shale	Hamil- ton G ^p .	Middle ... Marc.
Ludlowville "		M. Ludl.
Enerinal Limest. (impure)		M. Ener.
Moscow Shales		M. Mosc.
Tully Limest.		M. Tull.
Genessee (Black) Slate		Upper M. Blk. Sl.
Portage Group		Upper ... Port.
Chemung "		U. Chem.
Catskill "		U. Cat.
Passage-beds into Carboniferous		P. B.

EUROPE &c.

		From below upwards.
		Horiz.
Tilestones, Meadsfoot, Linton, &c....		Lower.
Wissenbach Slates		L. Wiss.
Orthoceras Schist		L. Orth.
Spirifer Sandstone		L. Sp. Sa.
Calceola Schist		Lower M. Calc. Sch.
Torquay		M. Torq.
Ilfracombe		M. Ilfr.
Givet &c.		M. Giv.
Stringocephalus Limest.		M. Str. L ^t st.
Condrosian Schist		Upper ... Cond.
Iberger Limestone		U. Ib.
Kramenzel-Stein		U. Kram.
Cypris Schist		U. Cypr.
Newton Bushel (in part)		U. Newt.
Pilton, Petherwin, &c.		U. Pilt., Peth., &c.

THE DEVONIAN HORIZONS.

A Note preliminary.—The study of geological horizons, of the successive levels or groups of the sedimentary deposits of this or any other epoch, bears excellent fruit. It not only lays bare the constitution, contents, and relative age of the horizon under consideration, but it is the key and index to a multitude of facts, natural, historical, and economical, of great importance affecting the whole area around. Of these facts this is not the place to speak.

Such study points out the absence or the presence of leading forms of life, some of them typical. Each horizon is distinguished by its own species and by the composition of its communities. It contains intruders, who are wanderers from other localities and other sediments, as well as its own native born, who, again, frequently move elsewhere in time and space.

Just as we are now familiar with the horizons of the Plesiosaurus, the Cephalaspis, and the Graptolite, such knowledge will gradually extend throughout the less conspicuous portions of fossil life.

The same group of beds may be expected in distant parts of the earth to hold many species in common. Instances of this are everywhere numerous. On the other hand, most countries possess some forms exclusively (Tasmania, India, &c.).

These investigations are not without liability to error, from the presence of more than one horizon in the same place, from a fossil being only recurrent, and not in its birthplace, from links lost through stratigraphical changes, and also from the mistakes of the collector.

It is probable that sometimes the duration of horizons is short. We are led to this belief by the occasional coarseness of the sediment, and the fewness of the species belonging to many genera.

On the Horizons of the Devonian Formation in North America.

The Devonian period in the United States and the Canadas has been divided into three great horizons, each with its subordinate parts, and each having its equivalents in other localities.

In Middle North America, in North-east and Arctic America, the vertical succession occurs thus (except in case of a member's absence), beginning from above :—

		Passage-beds (from Carboniferous).	
UPPER DEVONIAN	{	Catskill Group.	
		Chemung Group.	
		Portage Group.	
MIDDLE DEVONIAN . .	{	Genessee (black) Slate	} Hamilton Group.
		Tully Limestone	
		Moscow Shales	
		Enserinal Limestone, impure	
		Ludlowville Shales, sandy	
		Marcellus Shales	
LOWER DEVONIAN	{	Corniferous Limestone	} Upper Helderberg Group.
		Onondago Limestone	
		Schoharie Grit	
		Canda-Galli Grit	
		Oriskany Sandstone.	

These horizons have been well described by M. de Verneuil, by Messrs. Hall, Meek, Shumard, Newberry, Winchell, and others, and they have been treated with especial detail in the eighteenth volume of the Quarterly Journal of the London Geological Society.

Whatever may be the geographical distance between them, they observe, when present, the same order of succession; but not altogether the same in materials, in the quantities visible, nor in their fossils. In some important respects there are always local and typical differences.

The State of New York, as far as is known, together with the Canadas, including Gaspé in the extreme east, exhibit the broadest and most massive display of Devonian rocks in North America. It shows all the great horizons mentioned above, with few other signs of interference from beneath than the gentle flexures which pass through the State of New York, and which are probably exaggerated into the Cincinnati Dome on the south-west and north side of Lake Erie.

In most of the Mississippi valley and the Far West, the Devonian is only represented by some form of the Hamilton Group, chiefly by its highest stratum, the Genessee or Black Shale. These beds appear in strips north-westwards through Hudson's Bay and reappear in very broad expanses throughout North-north-west Arctic America.

The subjoined Table furnishes us with the Devonian horizons of twelve great States, giving information of value and much increased by the opportunity afforded of comparing the separate parts among themselves, besides pointing out eleven great absences and other useful facts.

TABLE A*.

MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.
.....	Yellow Sandstone = Chemung Group.	Chemung. Portage = Huron Group.	.....
Bluish shales.	Yellow Sandstone ?	Green Shale.	Black Shale = Genessee Slate.
Hamilton Group.	Hamilton Group.	Hamilton Group.	Hamilton Group.
Corniferous Limestone.	.....	Corniferous Limestone.	Corniferous Limestone†. Onondago Limestone. Oriskany Sandstone.
INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.
.....	Waverley Sandstone. Chocolate Shale.	Dark Siliceous Shale ?	Siliceous Shale.
Black Shale.	Black Shale.	Black Shale.	Black Shale.
Hamilton Group.	Hamilton Group.	.....	.....
.....	Corniferous Limestone. Oriskany Sandstone.	.....	.....

* Chiefly compiled from Dana's 'Manual,' and Winchell in Safford's Geol. Tennessee.

† Worthen, Geol. Illinois, ii. p. viii.

TABLE A. (*continued*).

PENNSYLVANIA.	CANADA WEST.	NEW YORK.	EUROPE.
Catskill. Chemung. Portage.	.....	Catskill Group. Chemung Group. Portage Group.	Cypridina Schist.
Black Shale. Genessee Shale.	Genessee Shale. Kettle Point, South Lake Huron.	Genessee Slate. Black Shale.	.....
Hamilton Shale, Sandstone, and Limestone.	Hamilton Group.	Tully Limestone. Sandstone. Calcareous Shale. Marcellus Shale.	Givet Limestone. Calceola Schist.
Corniferous Limestone. Cauda-Galli.	Corniferous Limestone. Oriskany Sandstone.	Corniferous Limestone. Onondago Limestone. Cauda-Galli Grit. Oriskany Sandstone.	Spiriferous Sandstone.

Table B describes with some minuteness the mineral constitution of seven of the States which appear in Table A. It connects the vegetable and animal life with their habitats. There is neither time nor space for more.

TABLE B.—The Devonian Sediments of North America, their mineral composition (almost wholly from Dana's 'Manual,' 2nd edit. pp. 375–379).

NEW YORK.

	Feet thick.
ORISKANY SANDSTONE. A coarse, loosely cemented, siliceous sandstone, yellow-white chert and druses. Above concretionary, full of cavities from dropped fossils	2–72
CAUDA-GALLI AND SCHOHARIE GRITS. Argillo-calcareous sandstones, fine-grained, shaly.....	60
ONONDAGO LIMESTONE. A pure limestone, light grey, crystalline; green shale in parts; flints	1–40
CORNIFEROUS LIMESTONE. Compact, blue, black, drab; much hornstone in layers and nodules	20–71
MARCELLUS SHALE. Lower part black, bituminous, with iron-pyrites and <i>Septaria</i> . Upper part is a more fissile slate, olive or slate colour	30–150
HAMILTON GROUP. An endless mixture of shale and sandstone in three parts, the middle one being impure limestone; <i>Septaria</i>	300–700
TULLY LIMESTONE. Close-grained, dark blue, often shaly; the last Devonian bed in which lime forms an essential part	8–20
GENESSEE SLATE. Argillaceous, fissile, black slate, always the same, very extensive; <i>Septaria</i>	150
PORTAGE GROUP. Argillaceous, sometimes micaceous, shales and flagstones, variable, dividing into Cashaqua and Gardeau shales and Portage sandstone	1000
CHEMUNG GROUP. Dark shales and grey, thin-bedded sandstone, very variable	1500
CATSKILL GROUP. Much is Chemung; its materials are thus arranged, from above downwards:— 1, conglomerate and coarse schists; 2, red shales, slates, and grits; 3, grey slaty grits; 4, brown-red grits, with red shales (J. J. B. Mather, Report, p. 307)	4000

PENNSYLVANIA.

ORISKANY SANDSTONE. Calcareous shales; calcareous and argillaceous sandstone	520
CAUDA-GALLI BEDS, U.H.L. Siliceo-calcareous shales	200–300
CORNIFEROUS EPOCH, U.H.L. Massive blue limestone	80
MARCELLUS SHALE. Lower black and ash-coloured slate, with argillaceous limestone	800
HAMILTON GROUP. Argillaceous and calcareous shales and sandstone	1100
GENESSEE SLATE. Upper black calcareous slate	700

	Feet thick.
PORTAGE GROUP. Dark grey flaggy sandstone, with some blue shale	1700
CHEMUNG GROUP. Grey, red, and olive shales, with grey and red sandstone	3200
CATSKILL GROUP. Red sandstone and shale, with some conglomerate	6000

OHIO.

ORISKANY SANDSTONE. Coarse saccharoidal sandstone	3-10
CORNIFEROUS LIMESTONE. Buff massive limestone	15-100
HAMILTON GROUP. Bluish marly limestone near Sandusky; elsewhere wanting	10-20
GENESSEE SLATE. Black, bituminous, "Huron" shale, with large calcareous concretions, partly Portage?	250-330
PORTAGE AND CHEMUNG GROUPS. "Erie" blue, green, and grey shales, with some sandstone and limestone; thinning and disappearing southward	400-500 feet centrally, 1000 feet easterly.

TENNESSEE.

HAMILTON GROUP, PART OF? GENESSEE SLATE. "Black shale," often bituminous and pyritiferous; a layer of phosphatic nodules at top, and a grey, fine-grained, bituminous, fetid sandstone at bottom.	100 feet or more.
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ILLINOIS.

ORISKANY SANDSTONE. Quartzose sandstone; locally calcareous	50
CORNIFEROUS? Limestone	10-20
HAMILTON EPOCH. "Black shale"	30-60

IOWA.

HAMILTON EPOCH. Shales and magnesian limestones	200
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MISSOURI.

ORISKANY SANDSTONE. Light grey, nearly pure limestone	Thickness not given.
CORNIFEROUS. Grey, compact, earthy limestone, with chert and sandstone; in some parts a hard white oolite	75
HAMILTON EPOCH. Blue argillaceous shale, with thin layers of concretionary limestone	?
GENESSEE EPOCH. "Black shale"	6

MICHIGAN (LOWER PENINSULA).

ORISKANY SANDSTONE. Cherty, sometimes agatiferous conglomerate	3
CORNIFEROUS EPOCH. Brecciated limestone (250 feet), overlaid by oolitic, arenaceous, and bituminous limestones	104
HAMILTON (MARCELLUS?) EPOCH. Black bituminous limestone	15
,, EPOCH. Argillaceous limestones, 17 feet; crystalline limestone, with included lenticular clayey masses, 23 feet. A bed of coal on Little Traverse Bay.	
GENESSEE? EPOCH. Black bituminous shale	20
PORTAGE GROUP. Huron shales (Winchell)	100

As the sea-coast about St. John's, New Brunswick, has been well examined, and exhibits Devonian features different from those of the western regions spoken of in the above Table, I think well to take from Principal Dawson's remarkable work, entitled 'Acadia,' the following account of this locality*, *i. e.* the succession of its strata and their mineral composition.

St. John's, New Brunswick.

Upper Devonian	Mispeck Group	Red and greenish shales, flaggy sandstone, angular conglomerate.	Mount Prospect.
Middle Devonian	<i>Cordaïtes</i> Shales	Blackish, grey, and arenaceous shales: Westbeach.	Bay of Fundy.
" "	<i>Dadoxylon</i> Sandstone. .	Buff and grey sandstones and flags, plants, crustaceans, &c.	Beaver Lake.
Lower Devonian	Bloomsbury Group	Reddish conglomerate with rounded pebbles; trap; red, purplish, and green sandstones and shales.	Mispeck River.

From the east side of St. John's Harbour several members of this series are believed to extend to a great distance eastwards; but the labours of Principal Dawson and of Messrs. Bailey, Matthew, and Robb, far-ranging and meritorious as they are, still have left much to be done.

According to Prof. Heer, the flora of St. John's belongs to the *Ursa* stage of the Carboniferous epoch, the lowest or passage-bed, and is equivalent to that of the yellow sandstone and carboniferous slate of South Ireland, to the Greywacke of the Vosges, and the Verneuil shales of Aix la Chapelle†.

It is now generally admitted that there is no *specific* identity between the fossils of the Chemung or any other division of the Devonian system in New York and the Kinderhook group of the West. We believe the latter is Carboniferous. (Geol. Survey of Illinois, A. H. Worthen, Director, 1866, vol. i. p. 44.)

The Devonian formation is exposed in limited quantities in several parts of the United States not referred to; but they have not been properly examined.

On the Devonian Horizons of Europe and a few other parts of the World, as taken from the original authorities.

It has been universally agreed to place the Devonian strata and their contents in a threefold order—each division called lower, middle, or upper, accordingly; and each containing parts separable for more minute examination. Any division, or portion of it, may be absent from not having been laid down in certain localities, or may be discordant from, or concordant with, the strata contiguous. It may be seen in a small patch, or may be traced to vast distances, as in Russia and N.N.W. America.

Beginning with England, we proceed successively to those parts of Europe about which there is reliable information.

In England and Wales the Devonian formation is confined to their south-west districts. For every purpose the twelfth Table of Mr. Etheridge's exhaustive paper on this part of England‡ will answer fully. The portion now required is subjoined in Table C.

* Acadia, 2nd edit. pp. 503–505.

† But, according to the section given in Dawson's 'Acadia,' 2nd edition, p. 505, the Upper Devonian Mispeck Group passes unconformably beneath the carboniferous elevation called Mount Prospect, being itself conformable to the underlying Devonian strata—a crucial fact, if true.

‡ Quart. Journ. G. S. L. xxiii.

TABLE C (being part of Table XII., by Robert Etheridge, F.R.S.L. & E.).

	NORTH DEVON.	SOUTH DEVON.	CORNWALL.	SOUTH WALES.
CARBONIFEROUS SERIES..	Barnstable Beds (part) ...	Carboniferous Beds	Carboniferous Series, Boscastle &c.	Carboniferous, Tenby &c.
UPPER DEVONIAN, or UPPER OLD RED SANDSTONE.	{ Pilton, Braunton, Croyde, Marwood, Sloly, and Baggy Beds, with Pickwell-Down Sandstones at the base (Morte-Bay series).	No representative, except, probably, near Newton Bushel.	Petherwin Limestones and Slates; Tintagel and De la Bole Slates.	Pembroke Section, in part, Yellow Sandstones, <i>Serpula</i> -beds, and Upper Old Red Sandstone.
MIDDLE DEVONIAN, or MIDDLE OLD RED SANDSTONE.	{ Morte-hoe, Woolacombe, Rockham, and Lee Slates, Ilfracombe and Combe-Martin Slates, Grits, Sandstones, Limestones. The Hangman Grits at the base.	Dartmouth Slates, Dartington, Oggwell, Torquay, Newton, and Plymouth Limestones, Lummaton, Ramsleigh, &c.	Padstow, Looe Grits (= Hangman Beds), Polperro.	Old Red Sandstone (in part).
LOWER DEVONIAN, or LOWER OLD RED SANDSTONE.	{ Heddon's-Mouth, Woodabay, Lee, Valley-of-Rocks, Watersmeet, Linton, and Lynnmouth Slates, &c. The Red Grits and Sandstones of the Foreland, Countisbury, Glenthorn, &c. &c. at the base.	Meadsfoot Slates, with <i>Phyllolepis concentricus</i> , Yealmpton-Creek and Black-Hill &c. &c. Slates, Looe Island.	St.-Veep, Polruan, Polperro, and Fowey Grits and Slates.	Lower part of Cornstones &c., Old Red Sandstone.

This Table sufficiently points out the localities of the several divisions of the Devonian in this considerable area, while the general Table of Horizons (pp. 107 &c.) will furnish details. Sir Charles Lyell has adopted the statements of Sir Roderick Murchison and Prof. Sedgwick, as resulting from their personal inquiries into the nature and succession of the Devonian deposits of the south-west of England (see Trans. Geol. Soc. Lond. ser. 2, v. p. 644).

Sir Roderick Murchison, at p. 244 of his 'Siluria,' 4th edition, has an instructive Section. It gives the undisturbed succession of sediments from the River Wyo (Monmouthshire), south-eastwards to the neighbourhood of Swansea; in fact to the bottom beds of the South-west Welsh coal-field. Commencing at the Trewerne Hills, it crosses the "Hay," forms the Black Mountain in Herefordshire, and stops at the north lip of the South-Welsh coal-field.

It is as follows—

- (a) Upper Ludlow Rock and Tilestones.
- (b) Red Marls and Flagstones (O.R.S.).
- (c) Whitish Sandstones (O.R.S.).
- (d) Red and Green Marls, Sandstones, and Cornstones.
- (e) Chocolate-coloured Sandstones.
- (f) Conglomerate and Sandstone (O.R.S. summit).
- (g) Lower Limestone Shale (the carboniferous base).

Nearly the same district in Wales is described by Prof. John Phillips, in p. 141 of his 'Manual.' As it adds some useful particulars, it is introduced here, and is as follows (it is called the Old Red series of Wales, in the course of the Wye and Severn):—

The Lower Group. Marl series, with pale greenish bands and irregular cornstone layers; white, grey, and yellowish sandstones in the lower part of the series. No coarse conglomerate here comparable with that of the Cambrian or Grampian chains.

Middle Group. Flagstone series, with partings of red shale and calcareous cornstones. About Milford Haven this series is traversed by nearly vertical slaty cleavage. There is *Cephala* here.

Upper Group. Conglomerates and sandstones, red, purple, and green; the pebbles scattered in layers of quartz. *Holoptechius nobilissimus* here.

In the 18th volume of the Quart. Journ. G. S. L. p. 97, Prof. Morris and Mr. Roberts have given a valuable account of the Farlow and Oreton beds near Cleo, with an excellent section. The principal points of interest are—1st, the great depth of the passage-beds; 2, their bands of Oolitic Limestone, as we see at Bristol and in the margins of the South-Wales coal-field; 3, the comparative abundance of fish-remains, chiefly Cestracionida.

The late eminent palæontologist Mr. J. W. Salter gives us the following Devonian equivalences in succession, taking South-west England as his fixed locality, from above proceeding downwards:—

Marwood (N. Devon.)	Psammites de Condros (Belgium), Verneuil Schist, Aix la Chapelle, with exactly the same fossils.
Petherwin Slate, Newton Bushel (Upp. Dev. Limest.).	{ Schistes de Famenne (Belgium), Cyprid. and Goniad. Schists, Flinz and Kra-menzel-Stein (Clymenia), Belgium, Germany.
Plymouth, Ogwell, Combe-Martin Limestones.	{ Givet (Belgium), Lenné Schist, Eifel Limestone.
Chircombe (S. Devon.)	Calceola Slate (Belgium).
Linton and Fowey Groups . .	Ardennes, Coblenz, and Wissenbach Schists, Spirifer Sandstones*.

SCOTLAND.

The constitution of the Devonian formation, with the order of succession of its parts, will be sufficiently seen in the three descriptive sections given below. The latest, that of Robert Etheridge, F.R.S., is given first, from vol. xxiii. of the Quarterly Journal of the Geological Society of London; it is as follows:—

Lower Devonian, or Lower Old Red Sandstone	{ Forfarshire Flagstones &c. (Ross and the N.E. Highlands), <i>Onchus</i> , <i>Ceph-laspis</i> , <i>Pteraspis</i> , &c.
Central or Middle Devonian, or Middle Old Red Sandstone . .	{ Caithness Flagstones &c., Elgin and Findhorn rivers, with <i>Asterolepis</i> , <i>Cheirolepis</i> , <i>Dipterus</i> , <i>Osteolepis</i> , <i>Pterichthys</i> , &c.
Upper Devonian, or Upper Old Red Sandstone	{ Yellow and Red Sandstones, Fifeshire, Dura-Den beds, <i>Holoptychius</i> &c. Lammermuir Hills. (See "Local Horizons.")

Carboniferous series.

Mr. James Powrie's "Classification of the Scottish Old Red Sandstone"† is in the following words:—

1. *Trappean Conglomerate*. No organic remains.
2. *A great pebbly Conglomerate* passing into grey and red sandstones, tilestones, &c. In Forfarshire a band of semicalcareous shales (fossiliferous), as at Stonehaven, Bute, Benwyvis (Ross-shire), Caithness, &c.
3. *Lower Old Red Sandstone*. Red sandstones, pebbly, shaly; concretionary limestone or cornstone: Howe of Mearns, Milton of Mathers (Kincardineshire), Buddon Ness; Dubton of Strathmore (Forfarshire); Strathern (Perthshire).
4. *Middle Old Red Sandstone*. Dark grey flagstones, micaceous; schists: Caithness, Cromartie, Morayshire, Banff.
5. *Upper Old Red Sandstone*. Coarse pebbly grits and sandstones: Dunse and Denholm Hill (= of the Kilkenny beds, with *Adiantites Hibernicus*, *Anodonta Jukesii*, &c.). Perhaps these rocks are rather passage-beds into the Carboniferous.

The Rev. Hugh Mitchell's account, which is now given (Quart. Journ. G. S. L. xvii. p. 149), only differs from those inserted above in containing some further particulars of interest.

* Quart. Journ. G. S. L. xix. pp. 489, 491.

† Transactions of the Edinburgh Geological Society, i. p. 131.

OLD RED SANDSTONE.

Lower (10,000 feet thick in Forfarshire).	{ Conglomerate. [Canterland Den.]	{ <i>Cephalaspis Lyellii</i> , Ichthyodorulites, Acanthodian fishes, <i>Pterygotus Anglicus</i> , <i>Kampecaris Forfariensis</i> , vegetable remains, &c.
	{ Grey flagstone, with intercalated sandstone. ("Cephalaspis-beds.")	
	{ [Canterland Den (40 feet thick here, 120 feet at Carmylie), near Farnell, &c.]	
	{ Gritty, ferruginous sandstone, with occasional thin layers of purplish flagstone.	
	{ [Canterland Den (120 feet here seen), Ferryden, &c.]	{ <i>Cephalaspis</i> (in sandstone at Brechin), ripple- and rain-marks, worm- and crustacean-tracks (flags), <i>Parka decipiens</i> (in the lowest grit).
Middle	Fish-beds of Cromartie and Caithness.	
Upper	<i>Holoptychius</i> -beds of Moray, Perth, and Fife.	

For further information, see the excellent sections of Messrs. Murchison and Malcolmson, Quart. Journ. G. S. L. xv. pp. 424, 428, 429, and in the Synoptical Table at p. 436.

IRELAND.

This formation is only found in the central, southern, and south-west parts of Ireland, and in extensive plains, but not without lofty and rugged mountains, in the south and west. It is a thin deposit in Kilkenny and Wexford, and thickens greatly in the southern counties of Cork and Kerry. It is generally supposed that the greater part of the Devonian sediment was formed in shallow brackish or marine waters, and not a little in fresh water. If there be added to the part of Table XII., of Robert Etheridge, F.R.S., referring to Ireland, a few observations on geological equivalences, sufficient information for our present object will be obtained.

Extract from Table XII., by Robert Etheridge, Esq., F.R.S., &c.

SOUTH IRELAND.

Carboniferous series	Carboniferous limestones and slates.
Upper Devonian, or Upper O.R.S. . . .	Coomhola grits, yellow sandstones, &c., Upper O.R.S. (Cork), with plant-remains, <i>Anodon</i> , and fish, &c.
Middle Devonian, or Middle O.R.S. . .	The great mass of unfossiliferous grits and sandstones of Dingle (Kerry); base not seen.
Lower Devonian, or Lower O.R.S. . . .	Glongariff grits, Killarney, Dingle; no fossils.

In page 281 of his 4th edition of 'Siluria,' Sir R. Murchison gives the following generalized succession of Devonian rocks in the south-west of Ireland, beginning from above:—

- h.* Carboniferous or Mountain Limestone.
- g.* Carboniferous Slate.
- f.* Upper Devonian or Upper Old Red Sandstone.
- e.* Middle Devonian, *i. e.* the limestones of Devonshire and the Eifel &c.
- d.* Lower Devonian, or Glengariff, Killarney, and Dingle slates, schists, and grits.
- c.* Silurian Passage-beds.
- b & a.* Upper Silurian, with the usual fossils.

In 1863 Messrs. Jukes and Salter repeat their conviction that the yellow limestone of the south of Ireland is the upper part of the Old Red Sandstone, with the Coomhola grits between it and the carboniferous slate, with fossils, *Avicula Dammoniensis* (Carb.), the *Cuculleæ* &c. of good carboniferous types.

In the west districts of Kerry and Cork Sir Roderick Murchison, by two visits, satisfied himself (Siluria, 4th edit. p. 175) that the Macgillycuddy and Mangerton Mountains, of the Lakes of Killarney, are of the

Devonian age. In masses of hard, purple, and greenish grits and slates they extend to the island of Valentia.

The Dingle promontory is a marked feature in Irish Devonian, and well described by Sir Roderick. The main body of the hill is Lower Devonian, with Upper Devonian only at the ends of the section.

BELGIUM.

M. Gosselet, the learned and obliging Professor of Lille, has favoured me with the following Table of the Devonian succession in the north of France and in Belgium. It is only one of his many and valuable communications. (See a luminous and much detailed account of the Belgian Devonian Horizons, Bull. Soc. Géol. de France, xviii. p. 18.)

THE NORTH OF FRANCE AND BELGIUM.

	Beds.	Normal types.
Upper	I.	<i>a.</i> Limestones and schists, Corenue (<i>Spirif. distans</i>).
		<i>b.</i> Psammities of Condros.
	II.	<i>c.</i> Schists of Famenne.
		<i>d.</i> „ of Fort Condé (<i>Cardium palmatum</i>).
		<i>e.</i> Limestones and schists of Frasné (<i>Rhynchonella cuboides</i>).
	III.	<i>f.</i> Limestone of Givet (<i>Stringocephalus Burtini</i>).
	IV.	<i>g.</i> Limestone and schists of Couvin (<i>Calceola sandalina</i>).
		<i>h.</i> The black schists of Hierges (<i>Spirif. cultrijugatus</i>).
	V.	<i>i.</i> The red schists of Vireux.
		<i>j.</i> The dark or black sandstone of Vireux (the Ahrian of Dumont).
		<i>k.</i> Grauwacke of Montigny sur Meuse (Hunsdrucken of „).
		<i>l.</i> The sandstone of Anor (Taunusian of Dumont).
	VI.	<i>m.</i> The variegated schists of Gedinne.
		<i>n.</i> The schists of Mondrepuis.
		<i>o.</i> The arkose of Weismes.
		<i>p.</i> The conglomerate of Fessin.
		} The Gedinian of Dumont.

The Devonian Strata of Belgium on the south side of the Condros basin compared with those of the Eifel. (Emanuel Kayser, M.D.*)

BELGIUM.		EIFEI.
Psammite of Condros	}	Goniatite Schist
Schist of Famenne		Cuboides Limestone
Limestone and Marl of Frasné ...		
Limestone of Givet		Stringocephalus Schist.
Calceola Schist	}	Calceola Schist
Cultrijugatus-Stufe		Cultrijugatus-Stufe
Schist of Burnot		
Ahrian	}	Vichter Schist
Coblentzian		Ahrian
Gedinian		Coblentzian

FRANCE.

In his Table XII. (Quart. Journ. G. S. L. xxiii.) Mr. Etheridge, F.R.S., represents the Devonian of France as follows:—

Upper Devonian (Upper O.R.S.) Psammities of Condros, Slates of Famenne, the Boulonnais beds.
 Central or Middle Devonian (Middle O.R.S.) .. Givet Limestone, Calceola-slates.
 Lower Devonian (Lower O.R.S.) Système Rhénan.

* Zeitschrift d. deutschen geol. Gesell. Jahrg. 1871, pp. 359, 360.

M. de Verneuil divides the Devonian in the following manner (Bull. Soc. Géol. Fr. n. s. xii. pp. 1184, 1185):—

UPPER DEVONIAN	1. Upper bed. Quartzose Schists of Cop Choux, Forques, Etrœungt, Condros, &c.
	2. Middle bed. The Limestones of Eifel.
	3. Lower bed. Schistose and quartzose.
MIDDLE DEVONIAN (scarcely represented in France).	Quartzose, schistose; conglomerates and red schists without fossils.
LOWER DEVONIAN	1. Upper bed. Coblonzian.
	2. Lower bed. Gedinian at Mondrepuis.

M. Gosselet, Annales des Mines, 6^e série, tom. xii. p. 595. Région Franco-Belgian. Projet d'une description géologique du Département du Nord (Lille, 1867).

UPPER DEVONIAN . .	Psammites du Condros . .	{ Calcaire d'Etrœungt. Psammites.
	Schistes de Famenne . .	{ Schistes de Famenne proprement dits. Schistes à <i>Cardium palmatum</i> . Calcaire (de Trelon). <i>Terebratula-cuboides</i> beds.
MIDDLE DEVONIAN .	Calcaire de Givet (divisé en neuf bandes).	
LOWER DEVONIAN . .	Schistes à <i>Calceoles</i>	{ Schistes à <i>Spirifer speciosus</i> . Calcaire d'Ohuin et Glageon. Schistes à <i>Spirifer cultrijugatus</i> .
	Poudingue de Burnot.	
	Grauwacke à <i>Leptæna Murchisoni</i> . .	{ Schistes. Grès d'Anor.
	Couches de Gedinne	{ Schistes bigarrés. „ à <i>Grammysia</i> . Conglomerates and Schists

In his 'Siluria,' 4th ed. p. 411, Sir Roderick Murchison states that the Devonian group of Brittany and the west of France is usually curtailed, like the Silurian of those superior members of this formation which are so abundant in the Rhenish Provinces. M. Cailliaud met with an interesting deposit of Lower Devonian at Erbray (Dép. Loire Infér.) and in the adjacent department of Maine-et-Loire, spreading vastly in the west of France. M. Bureau, nevertheless, has proved the existence in these countries of the Upper Devonian in Basse-Loire at a place called Cop Choux.

These statements are confirmed by M. de Verneuil and Prof. Gosselet.

EIFEL.

In his very able paper on the Devonian strata of the Eifel district in Rhenish Prussia, Dr. Emanuel Kayser* has placed them in the following order, successively from below (Zeitschrift d. deutschen geol. Gesell. Jahrg. 1871, p. 375):—

The Devonian Horizons of the Eifel.

Coblenzian	{	Sandy Schists. Lower Devonian.
Ahrien Schist (Dumont) . .		
Vichter Schist		
Cultrijugatus-Stufe	{	Marl. Middle Devonian.
Calceola Schist		
Stringocephalus Schist		
Cuboides Limestone	{	Marly Limestone. Upper Devonian.
Goniates Schist		

* Formerly the favourite pupil of Ferd. Römer, of Breslau. Prof. Römer worked long in the Eifel.

Another arrangement by the same author*.

1. The Lower (base) Devonian Graywacke.	4. Lower Calceola Schist.
2. The next above (Lower) Devonian Graywacke.	5. Upper Calceola Schist.
3. The Cultrijugatus-zone.	6. Crinoid Schist.
	7. Stringocephalus Schist.

Upper Devonian not mentioned.

The late Professor F. A. Römer, of Clausthal, brings together the parallel horizons of Harz and the Eifel (with Aix la Chapelle and Couvin) as here subjoined.

EIFEL, from below upwards.

1. The older Graywacke.
2. The Crinoid Limestone.
3. Limestone with *Aulopora*, *Phacops*, *Calceola*, &c.
4. Stringocephalus Limestone.
5. Limestone with *Receptaculites*, *Productus Murchisoni*, *Orthis Dumontiana*, *Spirifera Verneuli*.
6. Limestone, *Terebrat. cuboides*, *T. elongata*, *Cyathophyllum Ananas*, *Columnaria*.
7. *Bactrites*, *Goniatites amblylobus*, *Cardium palmatum*.

HARZ, from below upwards.

1. The older Graywacke.
2. The Calceola Schist and Limestone.
3. The Orthoceras Schist (or Wissenbach).
4. The Stringocephalus Limestone.
5. Limestone with *Cardium palmatum*.
6. Limestone of Brilon (Westphalia), Grund, Elbingerode.
7. Schists with *Cypridina*, *Chymenia*, *Cardium palmatum*; Goniatite Schists of Budesheim and Nehden.
8. *Posidonomya* Passage-beds, Carboniferous plants.

HARZ.

The late Prof. F. A. Römer gives the Devonian rocks of Harz in the following succession (beginning from below); a few citations of localities are here made from many recorded by the Professor in 'Palæontographica,' Dunker and Von Meyer, 3. v. part 2, 1854.

1. *Spirifera Sandstone*, *ältere or Rhenish Graywacke*, &c. Harz, Belgium, Ardennes, &c. *Fossils*: *Pleurodictyum*, *Spiriferæ*, *Bellerophon*, *Phacops*, *Nucula*, &c.
2. *Calceola Schist*. Waldbrol, Bigge, Olpe, Couvin, Nehou, &c. *Fossils*: *Phacops*, *Favosites*, *Spiriferæ*, &c.
3. *Orthoceratite or Wissenbach Schist*. *Fossils*: *Euomphalus retrorsus*, *Goniatites compressus*, *subnautilus*, *Orthoceratites*, *Bactrites*, *Homalonotus*, &c.
4. *Stringocephalus Limestone*. Clausthal, Elbingerode, Dillenburg. *Fossils*: *Favosites*, *Stringocephalus Burdini*, *Spirifera*, *Lucina*, *Megalodon*, *Murchisonia*, &c.
5. *Receptaculites Schist*. Corneli-Munster, Chaudfontaine, Ferques, Sabero, &c. *Fossils*: *Receptaculites Neptuni*, *Orthis*, *Productus*, *Terebratula*, &c.
6. *Iberg Limestone*. Mount Iberg (Harz), Elbingerode, Brilon, &c. *Fossils*: *Columnaria*, *Astræa*, *Terebratula*, *Spirifera*, *Goniatites*, *Bactrites*, &c.
7. *Goniatites Schist*. Black limestone of Altenau, light coloured at Nehden (ferruginous at Brilon, &c.). *Fossils*: *Cardium*, *Goniatites* (various), *Bactrites*, *Phacops*, *Tentaculites*.
8. *Cypridina Schist*. Dusseldorf (near), Saalfeld, N.W. Harz, Fichtelgebirges, &c. &c. *Fossils*: *Cypridina serrato-striata*, *Phacops cryptophthalma*, *Posidonomya venusta*, &c.
9. *Amay Schist, jüngere Graywacke*. Amay near Huy, on River Maas. *Fossils*: *Avicula Damnoniensis*, *Pecten linteatus* (Carboniferous).

* Zeitschrift d. deutsch. geol. Gesell. xxiii. p 516.

SPAIN.

My materials for this country are scanty. Although Spain is rich in geological interest, its treasures, for the most part, are yet to be laid open.

M. de Verneuil*, with Messrs. Collomb and Paillette, has passed some active summers here; and MM. Casiano del Prado, Guillermo Schultze, Ansted, &c. have given useful aid. The Silurian formation is seen in Spain much more largely than the Devonian.

The Devonian formation only presents itself in patches and shreds, as about Almaden, at Cabeza del Buey, Herrera del Duque. As far as is known now it is only in the Province of Leon that there is continuity, and that the middle and upper divisions are occasionally visible.

But the faults, foldings, and dislocations suffered during this epoch in Spain are so numerous and great, that it is often impossible to ascertain the original order of superposition. In Asturia a similar difficulty arises from the vast sheets of sand and pebbles overspreading the country†.

For the most part in Spain this formation consists of the lower division, and usually rests on Silurian strata of the age of the Llandeilo of Wales, in the several particulars agreeing with France and Bohemia, and differing from England, Sweden, and Russia.

The Fichtelgebirge (Prof. C. W. Guimbel‡).

1. Nereite Schist	Lower Devonian . .	The horizon of <i>Nereites Thuringianus</i> and <i>Spirifer macropterus</i> .
2. Tentaculite Schist	} Middle Devonian . .	{ The horizon of <i>Tentaculites sulcatus</i> (Römer). No. 3=Plauschwitz Diabasite, Orthoc. Limest., <i>Atrypa</i> Sandst.: the horizon of <i>Favosites cervicornis</i> and <i>F. gracilis</i> .
3. Calamopora Schist		
4. Cypridina Schist	Upper Devonian . .	Horizon of <i>Cypridina serrato-striata</i> .
	Stages . .	{ a. Lower Schist and Concretionary Limestone.
b. <i>Clymenia</i> Limestone.
c. An upper plant-bearing bed.

SAXONY (from below upwards).

1. Tentaculite Schist, Wissenbach Schist, Graywacke Schist, Calcareous concretionary Schist (or concretionary limestone).
2. Limestone of Windelfels, Plauen, and Schliess, Orthoceratite Limestone, Münster? and Goniatite Limestone of Adolph Römer?
3. Plauschwitz Schist (Iberg Limestone of A. Römer) with Grünsteiner-Stufen; concretionary calc-schist, sometimes ferruginous.
4. *Clymenia* Limestone of Count Münster, followed by jüngste Grauwacke-Schiefer (Carboniferous). Geinitz, "Die Versteinerungen der Grauwacke-Formation in Sachsen, &c.," Abtheilungen, Heft ii. p. 22.

RUSSIAN POLAND.

In the Annales des Mines§ M. de Hempel places the Devonian formation existing in Kielce (Sandomir) and the surrounding districts in the order exhibited below.

- I. Calcareous Schist. M. de Hempel found no fossils here; but Pusch and Zeisznor have met with *Lingula avatinerformis* (at Lagow).
- II. Limestone. It only yields the hardy *Atrypa reticularis*.
- III. Limestone. It contains numerous Cœlenterata, i.e. *Diphyphyllum cespitosum*, Lonsd. (Chenciny), *Metricophyllum Bouchardi*, M.-E. & Haime, *Cyathophyllum mitratum* (Kielce &c.), *Alveolites spongites*, Goldf.

* Bull. Soc. Géol. Fr. n.s. xx. p. 967.

† See M. Paillette, Bull. Soc. Géol. Fr. n.s. ii. pp. 440-442.

‡ "Ueber Clymenien in dem Uebergangesbilden des Fichtelgebirges," Palæontographica, Dunkel und Von Meyer, xi. p. 109.

§ M. de Hempel, Annales des Mines, 6^e sér. tom. xii. Mémoires, p. 148.

(Chenciny, &c. &c.), *Stromatopora Blainvilli*, Bronn (at Puslowice on Mont Kamionki), *Lituites convolvens*, Schloth. (at Karczowka, Kielce), *Atrypa reticularis* (Chenciny), *Spirifera speciosa*, Bronn (Kielce).

IV. Limestone with Crinoids. It requires further search. *Terebratula Puschiana*, Pander (at Promniki &c.). An *Atocrinus*, spec. ? (Carb.), and other Crinoids.

RUSSIA IN EUROPE.

Murchison and his companions, in their memorable researches through the length and breadth of this great country*, remark that the vast extent occupied by the Devonian formation (150,000 square miles) is occasioned by the slight inclination of its beds, and by their being rarely disturbed. They constitute the greater part of the Valdai Hills (S.E. from St. Petersburg) as Middle and Upper Devonian. They occupy a broad zone which extends on the north-east to the shores of the White Sea (Middle and Upper Devonian here), and on the south-west into Courland; then, making nearly a right angle to the south-east, advance as far as the Voroneje, to form a kind of dome about the town of Orel (Government of Orel).

The local changes undergone by the Devonian sediments and their contents throughout Russia in Europe are so numerous that in this place they can only be alluded to.

Although Russia contains little or none of the Lower Devonian met with in other countries (Murchison), Professor Pander distinguishes three local stages.

The *lowest* consists of sandstones and shales, with those Ichthyolites which abound in the north of Livonia and about Dorpat and Tellin, with the marine shell *Lingula*.

The *middle* stage is principally of limestone, both dolomitic and simple, together with shales full of mollusca and fish.

The *highest* stage is made up of reddish sands and occasionally of green marls. It seems to be only an upward continuation of the band below it. The sedimentary deposits of this formation here are made to vary, often and greatly, by local influences. For Prof. Kutorga's distribution of the several parts of Russian Devonian, consult 'Siluria,' 4th edit. p. 363.

SOUTH AFRICA.

According to our present information, the lower stage or division of the Devonian strata only has been met with at the Cape of Good Hope. The few fossils are given in the seventh volume of the Transactions of the London Geological Society.

ASIA MINOR, THE BOSPHORUS AND ITS VICINITY.

The Devonian rocks occupy these countries in great breadths; and so far only the lower stage has been found, according to the late M. de Verneuil and other authorities. The manuscripts of M. de Tschihatcheff's prolonged explorations in this part of Europe having been placed in the hands of M. de Verneuil and Viscount d'Archiæ, they give the following summary of the sedimentary deposits of Asia Minor and other parts of European Turkey†. They take three forms:—

- I. Limestone: black, dirty grey, compact, homogeneous or crystalline, fetid, passes into white marble. Antitaurus.
- II. Dark clay-slate, satiny, shining. Cilicia, Bithynia.
- III. Mica-schists, in great variety. Gulf of Nicomedia.

* Russia and the Ural Mountains, 1845.

† Bull. Soc. Géol. Fr. n.s. vii. p. 391. For the Bosphorus, see Swan, Quart. Journ. Geol. Soc. Lond. xxiv. p. 53 (Princes Islands).

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It has been thought well to set forth in this place, more fully than in the general list of genera, species, &c., certain parts of the titles of the books quoted. For further information, see Bronn's 'Index Palæontologicus,' Whitaker's Catalogue, that of the Royal Society, and especially Schimper's (Palæont. Végét. iii.).

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CARBONIFEROUS FORMATION.

CARBONIFEROUS FORMATION.

PRINCIPAL HORIZONS AND AUTHORS, ABBREVIATED.

NORTH AMERICA.

From above downwards.

Uppermost Limestone (mostly in the far West)	UL.
Upper Coal-measures.....	UCM.
Middle „	MCM.
Lower „	LCM.
Conglomerate and Sandstone (Millstone Grit)	M. Grit.
Subconglomerate Coal-measures	Subeongl. CM.
Kaskaskia (Chester) } 3rd Archimedian }	L'''.
St. Louis..... } Limestone ... }	
Warsaw, 2nd Archimedian Limestone.....	L''.
Keokuk, 1st „ „	L'.
Burlington (Enerinital)	
Yellow Sandstone (Burlington, Kinderhook)	Kinder. G ^p .
Upper Waverly „ „	Kinder.

When a species is found in two horizons, or when the same locality contains several horizons, these last are placed thus:—L', L'', &c., LCM., M., U., or MCM., U., &c.

American Authors.

Foster and Whitney	F. & W.
Hall and Whitney	H. & W.
Leo Lesquereux	Lesq.
Meek and Hayden	M. & H.
Meek and Worthen	M. & W.
Newberry and Worthen.....	N. & W.
Norwood and Pratten	N. & P.
Owen and Shumard	O. & S.
Swallow and Shumard	S. & S.
White and St. John	W. & St. J.
White and Whitfield	W. & W.
Yandell and Shumard	Y. & S.

For other Authors, see "Books consulted."

EUROPE, &c.

According to R. ETHERIDGE, F.R.S.

From above downwards.

ENGLAND:—7. Upper Coal-measures	UCM.
6. Middle „	MCM.
5. Lower „	LCM.
4. Millstone Grit	M. Grit.
3. Upper L'st. Shale (Yoredale). L'''.	
2. Mountain Limestone, Upper.. L''' or U.	
„ „ Middle.. L'' or M.	
„ „ Lower... L' or L.	
1. Lower Limestone Shale	LLS., including
Posidonia Schist, Culm, Jüngste Grauwacke, Coomhola, Yellow Sandstone (Ireland)?	

Coal-measures below Millstone Grit occasionally. All applicable to Europe, with local differences.

European Authors.

D'Archiac and De Verneuil	D'Arch. & De V.
Brongniart, Adolphe	Brngn.
De Koninek, L.	De Kon.
Milne-Edwards and Haime	M.-Edw. & H.
Römer, Adolph F.	Ad. Röm.
„ Ferdinand	F. Röm.
D'Orbigny	D'Orb.
Goldfuss	Goldf.
Göppert	Göpp.
Eichwald	Eichw.
Sandberger	Sndbrgr.

For other Authors, see "Books consulted."

In the great Table of Fossils the localities are placed in the same order as their countries. In the case of Belgium and Rhenish Prussia, Liège thus precedes Saarbruck &c. &c.

KINGDOM PLANTÆ.

ALETHOPTERIS.]

[CARBONIFEROUS.

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Adiantides &c. wanting.																	
Alethopteris , Sternberg, 1825. Peco pteris.																	
aquilina, Schloth.	CM.							*									Perry Co.
Coxiana, Lesq.	LCM.							*		*							Union Mines, Mazon Creek.
crenulata, Lesq., Brngn.	LCM.							*									Mazon Creek.
distans, Lesq.												*					Schuylkill Co.
erosa, Gutbier.	LCM.							*									Mazon Creek, Morristown.
geminans, Lesq.	LCM.							*									" "
gracilis, Newberry.	Kinder. G ^p								*								Cuyahoga Falls.
grandifolia, Brngn.	LCM.							*		*							Tahmadge Falls.
Grandini, Dawson.	MCM.								*			*					Mazon Creek.
grandis, L. & Hall.	LCM.											*		*			Jackson Co., Bay of Chaleurs.
heterophylla, Lesq.	LCM.							*					*				Parsboro'.
hymenophylloides, "	LCM.							*									Mazon Creek.
inflata, "	LCM.							*									"
lavis, Brngn.	LCM.								*		*	*	*	*	*	*	Shamokin.
lonchitica, Göpp., Lesq.	UCM.								*		*	*	*	*	*	*	Sewannie, Joggins, Sydney, &c.
marginata, Lesq.	LCM.	M.					*	*	*	*	*	*	*	*	*	*	Tremont (red ash).
Massillonea, Newberry.	LCM.							*		*							Sydney, &c.
macrophylla, Lesq.	LCM.							*		*							Young's Town.
Mazoniana, Brngn.	LCM.							*				*	*	*	*	*	Mazon Creek.
muricata, Brngn., Göpp.	MCM., U.											*	*	*	*	*	Pottsville, Joggins, Pictou.
nervosa, Brngn., Göpp.	LCM., M., U.	*	*	*				*					*	*	*	*	Frog Bayou, Mazon Creek, Pictou, &c.
obscura, Lesq.	LCM.										*	*	*	*	*	*	Pottsville, &c.
ovalis, "	UCM.										*	*	*	*	*	*	Irwin.
Oweni, Lesq.	LCM.	*						*			*	*	*	*	*	*	Male and Lea Creeks, Mazon Creek.
Pennsylvanica, Brngn.	MCM.							*				*	*	*	*	*	Pottsville, Salem vein, Newport.
pectinata, "	MCM.											*	*	*	*	*	Mazon Creek.
pteroides, Lesq.	LCM.							*			*	*	*	*	*	*	Bathurst.
rugosa, Brngn.	LCM., U.							*		*	*	*	*	*	*	*	Pottsville, &c.
Serlii, Lesq.	UCM.							*	*	*	*	*	*	*	*	*	Chaleur Bay, Zanesv., Murphysboro'.
serrula, "	LCM.										*	*	*	*	*	*	Gate vein.
Sheaferi, "	LCM.										*	*	*	*	*	*	Co. M-Kean.
solida, "	LCM.							*				*	*	*	*	*	Mazon Creek (Morris).
stellata, Bunbury.	MCM.							*							*	*	" Coal No. 3.
teniopteroides, Göpp.	LCM.											*	*	*	*	*	Unknown.
urophylla, "	LCM.											*	*	*	*	*	Pottsville.

KINGDOM PLANTÆ.

ADIANTIDES.]

[CARBONIFEROUS.]

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHÉNUS PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Adiantides , Göpp. 1836; <i>Brongniart</i> , 1849.																	
concinnum, Göpp. LCM.				*													Yarrow, Newcastle.
? crassus, Lindl. & Hutton. CL.			*														Burdie House.
eximius, Bunbury. CM.				*													Stroud.
Germari, Göpp. MCM.													*				Wettin.
giganteus, " LCM. or UCM.												*					Radnitz.
Haidingeri, Ettingsh. LCM.												*					Swina.
Kinahani, Baily. LCM.			*														?
Lindsayaensis, Bunbury. LCM.			*														Slateford (Edinb.), Barnbrac, &c.
microphyllum, Göpp. LCM.				*													Newcastle-on-Tyne.
nervosus, Brugn. CM.																	Unknown.
<i>Sphenopteris</i> .																	
oblongifolius, Göpp. MCM.								*									Charlottenburg.
obovatus, Lindl. LCM.				*													?
tenuifolia, Göpp. LLS.										*							Landschut.
Adiantum , Linn. 1758; <i>Ettingshausen</i> .																	
antiquum, Ettingsh. LLS.								*			*						Altendorf, Kunzendorf, &c.
Machanaki, Stur. LLS.											*						The Tudetic Mountains.
Alethopteris , Sternberg, 1825; = Pecopteris .																	
angustifida, Ettingsh. LCM., M.											*	*					Manebach, Radnitz.
angustissima, Sternb. LCM.											*						Radnitz.
aquilina, Schloth. MCM.							*					*					Saarbruck, Wettin, Manebach.
Beaumontii, Brugn. Lias, Alpes					*												Petit Cœur, Tarentaise.
Bucklandii, Göpp. LCM.				*													Etherley.
Cistii, Brugn. MCM.														*			Ecaterinaburg.
crenulata, Göpp. LCM., M.						*	*	*		*	*	*					Saarbruck, Oberhohndorf.
cristata, Gein. LCM.											*	*					Oberhohndorf.
Davreuxi, Brugn. MCM.				*	*	*	*					*					Liège, Saarbruck.
Defrancii, " MCM.					*	*	*										Saarbruck, &c.
Dournaisii, Göpp. LCM.					*	*	*	*									Anzin, Waldenburg, Oberhohndorf.
erosa, Gutbier. LCM., M., U.						*	*	*			*	*					Zwickau, &c.
Grandini, Göpp. MCM.					*	*	*	*									Saarbruck, &c.
heterophylla, Sauv. CL., LCM., MU.			*	*	*	*	*	*			*	*					Etherley, Coalbrook Dale, &c.
irregularis, Röhl. ?					*	*	*	*			*	*					?
lonchitica, Brugn. L', M.G., LCM., M.		*	*	*	*	*	*	*		*	*	*	*	*			Glengool, Campbeltown, Etherley, &c.
<i>lonchitidis</i> .																	
longifolia, Sternb. LCM.											*						Radnitz, &c.
Mantelli, Brugn. LCM., M., U.								*									Etherley (Durham). &c.
marginata, " LCM.					*												Alais.
obliqua, " MCM.				*	*	*	*										Oldham, Anzin (France).
ovata, Göpp., "				*	*	*	*	*		*	*	*	*	*			St. Etienne, Waldenburg, Wettin, &c.
<i>asplenoides</i> .																	
pteroides, Göpp. LCM., M.		*		*	*	*	*	*		*	*	*	*	*			Knockalonga, St. Etienne, &c.
Radnicensis, Sternb. LCM.				*	*	*	*	*		*	*	*	*	*			St. Etienne, Brzas, Radnitz, &c.
Sauveuri, Brugn. UCM.				*	*	*	*	*		*	*	*	*	*			Liège, &c.
Serlii, " M.G., LCM., M., U.		*	*	*	*	*	*	*	*	*	*	*	*	*			Glengool, Kennox Water, Piesberg, &c.
Serra, Lindley. LCM.			*	*	*	*	*	*		*	*	*	*	*			Whitehaven, &c. [&c.]
Sternbergii, Brugn. LCM.			*	*	*	*	*	*		*	*	*	*	*			Devonshire, Swina.
urophylla, " LCM., U.			*	*	*	*	*	*	*	*	*	*	*	*			South Wales, Piesberg, &c.
vulgatior, Sternb. LCM., U.				*	*	*	*	*		*	*	*	*	*			?
Anabathra , Witham, 1831. See Diploxyton .																	
Anachropteris , Corda, 1845.																	
pulchra, Corda. LCM.												*					Radnitz.
rotundata, " LCM.												*					"

NORTH AMERICA.

[illegible]

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUENISSI PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Anarthrocanna , Göppert, 1845.	The amorphous	cast	of	a	Lep	id	od	en	dr	on	pl	ant.	—	W. Carruthers.			
approximata, Göpp.	Jüngste Grauw.	...	...	...	...	...	...	...	...	*	...	...	...	...	*	...	Clausthal, Lautenthal.
deliquescent, Eichw.	" "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	River Jenisei, Monastyr-skaya.
lineata, Göpp.	" "	...	...	...	...	...	...	...	...	...	...	...	...	...	*	...	Petrowskaja, Kharkof.
stigmarioides, Göpp.	" "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Nassau, Uckersdorf.
tuberculosa, Göpp.	" "	...	...	...	...	...	...	...	...	*	...	...	...	...	...	...	Landschut.
Ancistrophyllum , Göppert, 1841.																	
minutum, Göpp.	" "	...	...	...	...	...	...	...	...	*	...	...	...	...	...	...	Upper Vosges, Berndau, Landschut.
stigmariiformis, Göpp.	" "	...	...	...	...	*	...	...	...	*	...	...	...	...	...	...	" " "
Aneimia , Ettingshausen.																	
andiantoides, Schloth.	Culm	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Nassau.
Tcherniaekii, Ettingsh.	Jüngste Grauw.	...	...	...	...	...	...	...	...	*	...	...	...	...	...	...	Altendorf (Moravia).
Göpperti, Schl.																	
Angiodendron , Eichwald, 1855-61.																	
orientale, Eichw.	LCM.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Ural, Mt. Kaschkabash, Artinsk.
Annularia , Sternberg, 1822.	The foliage of Calamites.	—	W.	Carruthers.													
asterophylloides, Sauv.	UCM.	...	...	...	*	...	...	...	...	...	...	...	...	...	...	...	Mons, Charleroi.
brevifolia, Brngn.	...	...	...	...	*	...	...	*	...	...	...	...	...	...	...	...	Upper Loire, Pedro da Cova (Portugal).
Calamitoides, Schloth.	MCM.	...	...	...	*	...	...	*	...	...	...	*	...	...	...	...	Saarbruck, &c.
fertilis, Sternb.	UCM.	...	...	*	*	*	...	*	...	...	*	...	...	...	...	...	" Mostitz.
longifolia, Brngn.	LCM., M., U.	*	...	*	*	*	...	*	...	*	*	...	*	...	*	...	Glengool, Piesberg, Radnitz, &c.
var. angustifolia, Ad. Röm.	LCM., M., U.	...	...	*	*	*	...	*	...	*	*	...	*	...	...	...	Lalaye &c.
microphylla, Brngn.	MCM., U.	...	...	*	*	*	*	*	*	*	*	...	*	...	...	...	" [nitz, &c.
radiata, Zenker.	MCM.	...	...	*	*	*	*	*	*	*	*	*	*	...	...	...	Ronchamp, Mons, Saarbruck, Rad-
sphenophylloides, The fruit of Calamites.—W. Carruthers.		...	...	*	*	*	*	*	*	*	*	*	*	...	...	...	Lalaye (Les Vosges) &c.
Anomantites , Brongniart, 1828.																	
Andraeanus, Schloth.	MCM.	...	...	...	...	*	...	...	...	...	...	...	...	...	...	...	Saarbruck, Dudweiler.
anomalous, Carruth.	MCM.	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Coalbrook Dale.
cristatus, ?	Calc. Sandst.	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Wardie, East Scotland.
Favrei, Heer.	?	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Schweiz.
Lindleyi, Carruth.	?	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Falkirk.
parviflorus, Schl.	UCM.	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Stradonitz.
pauciflorus, Weiss.	MCM.	...	...	...	...	*	...	...	...	...	...	...	*	...	...	...	Saarbruck.
Pitcairni?, Lindl. & Hutt.	CL., LCM., M., U.	*	*	...	...	...	...	...	...	...	...	...	...	...	...	...	Wardie, Etherley.
var. distans, Andrea.	?	...	...	...	...	...	...	*	...	...	...	...	...	...	...	...	?
Aphlebia , Presl, 1838.																	
tenuiloba, Presl.	LCM.	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Radnitz.
Araucarioxylon , Kraus.	Dadoxylon , Endliche r.																
ambiguum, Kraus.	LCM.	...	...	*	...	*	...	...	...	...	...	...	...	...	...	...	Durham, Niederburbach (Vosges).
antiquum, Pitus.	LCM.	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Tweed Mill (Berwickshire).
Beinertianum, "	CL.	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	Falkenberg.
Brandlingii, "	MCM.	...	...	*	...	*	...	*	...	...	...	...	...	...	...	...	Newcastle, Saarbruck, Waldenburg.
Buchianum, "	CL.	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	Frankenberg.
carbonaceum, "	CM.	...	...	*	...	...	...	*	...	...	*	...	...	...	...	...	Falkenberg.
medullare, "	LCM.	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Craig Leith, near Edinburgh.
primævum, "	LCM.	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Tweed Mill (Berwickshire).
Tchihatcheffi, "	LCM.?	...	...	...	...	...	...	...	...	...	...	...	*	...	...	...	Locality not known.
Vosgesiacum, "	LCM.	...	...	...	...	*	...	...	...	...	...	...	...	...	...	...	Niederburbach (Vosges).
Withami, "	LCM.	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Craig Leith, near Edinburgh.
Araucarites , Presl, 1838.																	
Beinartianus, Göpp.	L'	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	Falkenberg.
carbonaceus, "	L'	...	...	...	*	...	*	*	...	...	...	...	...	...	...	...	Newcastle, Ebersdorf.
Cordai, Sternb., Unger.	LCM.?	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Swina.
Tchihatcheffianus, Unger, Göpp.		...	...	...	...	...	...	...	...	...	...	...	*	*	...	...	Novgorod, Salair Mountains (Bavaria).
Archæagaricon , Hancock and Atthey, 1869.																	
bulbosum, Hanc. & Atth.	LCM.	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Cramlington (Newsham, Durh. Co.).
dendriticum, "	LCM.	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	" " "
globuliferum, "	LCM.	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	" " "
radiatum, "	LCM.	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	" " "
Archæocalamites , Stur.																	
radiatus, Stur.	Culm	...	...	...	...	...	...	...	...	*	...	...	...	...	...	...	Sudetic Mountains.
Archæopteris , Dawson, = Palæopteris.																	
Dawsoni, Stur.	Culm	...	...	...	...	...	...	...	...	*	...	...	...	...	...	...	" "
dissecta, Göpp.	"	...	...	...	...	...	...	...	...	*	*	...	...	...	...	...	" "
Lyra, Stur.	"	...	...	...	...	...	...	...	...	*	*	...	...	...	...	...	" "
pachyrhachis, Göpp.	"	...	...	...	...	...	...	...	...	*	*	...	...	...	...	...	" "
Tscherniakii, Stur.	"	...	...	...	...	...	...	...	...	*	*	...	...	...	...	...	" "

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Artisia , <i>Sternberg</i> , 1825. <i>transversa</i> ,	Sternb.	UCM.							*									Grayville.
Asplenites , <i>Göppert</i> . <i>rubra</i> .	Lesq.	MCM., U.						*	*		*							Marietta, Gate vein.
Asterophyllites , <i>Brongniart</i> , 1828, = Bornia , &c.																		
<i>aperta</i> ,	Lesq.	UCM.												*				New Philadelphia, &c.
<i>crassicaulis</i> ,	"	MCM.									*			*				New Philad., Gate vein, Pottsville.
<i>curta</i> ,	Dawson.	MCM.												*				Pictou.
<i>equisetiformis</i> ,	Brngn.	LCM., U.	*						*	*				*				James's Poteau.
<i>foliosa</i> ,	Lindl. & Hutt.	LCM., M.						*	*	*				*	*	*		Zanesv., Joggins, Sydney, Spring H.
<i>gracilis</i> ,	Lesq. non Brngn.	LCM.	*						*	*				*	*			Male's Coal Bank. Zanesville.
<i>grandis</i> ,	Sternb.	MCM.						*	*	*				*	*			Mazon Creek, New Philad., Spring H.
<i>lanceolata</i> ,	Lesq.	UCM.						*	*	*				*	*			" "
<i>longifolia</i> ,	Bronn.	LCM.						*	*	*				*	*			" "
<i>ovalis</i> ,	Lesq.	UCM.							*	*			*	*				Gate vein (Pottsville).
<i>rigida</i> ,	Sternb.	LCM.						*	*	*				*	*			Mazon Creek.
<i>sublævis</i> ,	Lesq.	LCM., M.						*	*	*				*	*			" Gate vein (Pottsville).
<i>tuberculata</i> ,	Brngn.	UCM.												*	*			New Philadelphia, &c.
Balantites , <i>Göppert</i> , 1836. <i>Martii</i> ,	Lesq. MSS.	LCM.						*										Mazon Creek.
Beinertia , <i>Göppert</i> , 1836. <i>Göpperti</i> ,	Dawson.	MCM., U.												*	*			Joggins, Grand Lake.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Artisia , Presl, = Sternbergia . transversa, Presl, Sternb. MCM.								*	*			*					Waldenburg, Wranowitz.
Aspidiaria , Presl, 1838, = Lepidodendron . Anglica, Presl. UCM.				*					*								Paulton (Somerset).
attenuata, Ad. Röm. Jüngste Grauw.									*								Clausthal, Peckthales.
confluens, Presl. LCM., U.				*					*								Waldenburg.
cristata, " LCM.				*	*												Wardie, Yorkshire.
quadrangularis, " LLS., LCM., M.				*					*		*						Leobschut, Queensland.
Steinbachii, Göpp. [U.								*	*								
tetragonum, Presl. UCM.								*	*			*					Oppenrode, Mannebach.
<i>Lepidodendron</i> . undulata, " Jüngste Grauw.		*	*					*				*					Knockadive, Jarrow, Waldenburg.
Aspidites , Göppert, 1836, = Pecopteris . Dicksonioides, Göpp. Jüngste Grauw.								*									Charlottenbrun.
Asplenites , Göppert, 1836; <i>Ettingshausen</i> . alethopteroides, Ettingsh. UCM.												*					Swina.
angustissimus, " UCM.												*					"
cristatus, Gutbier. LLS., LCM.												*					
elegans, Ettingsh. L, UCM.								*	*			*	*	*			Pedro de Cova (Portugal), Waldenburg, Stradonitz, Zwickau.
<i>Rachopteris</i> . fastigiatus, " MCM.												*					Wranowitz.
Lindsæoides, " MCM.												*					Swina.
longifolius, " UCM.												*					Radnitz.
Radnicensis, Göpp. UCM.												*					Swina, Lubna.
Reussi, Ettingsh.												*					
similis, " UCM.												*					Swina.
Sternbergii, " UCM.												*					
Asterocarpus , Göppert. multiradiatus, Ettingsh.																	Unknown (Berlin Museum).
pteroides, Gutb. M. Grit												*					Zwickau.
reflexus, Ettingsh. MCM.								*				*					Saarbruck ?, Swina, Lubna.
Sternbergii, Unger.												*					Wettin.
truncatus, " UCM.												*					— <i>Carruthers</i> .
Asterophyllites , Brngn. 1828, = Bornia . Bechera . The foliage of <i>Cal a mites</i> . anthracina, Heer. UCM.								*									Mons, &c.
arcuata, Sauveur. UCM.								*	*								Shotts.
charæformis, Sternb. LCM., M.		*	*									*					
<i>Calam. tenuiformis</i> . delicatula, " UCM.								*	*								Charleroi, &c., Locquinghen (Bou-lonnais).
dubia, Brngn. LCM., M.		*	*														Garrion Gill, Loch Ryan.
elegans, Sauveur. LCM., M.				*	*			*				*	*	*			Mons, &c., Glatz.
equisetiformis, Schloth. LCM., M., U., &c.		*	*	*	*		*	*	*	*	*	*	*	*			Etherley (Permian).
foliosus, Lindl. LCM., M., U.		*	*	*													Knockalonga, Shotts, Etherley.
<i>Calamocladus</i> . galciodes, " LCM., M., U.		*	*														Shotts.
grandis, Sternb. LCM., M., U.		*	*	*			*	*				*					Glengool, Rutherglen, Etherley.
<i>Calamocladus</i> . Hausmanni, Göpp. Jüngste Grauw.									*								Swina.
jubata, Lindl. M.G., LCM., M., U.				*							*						Lohnan (Clausthal).
saxifragæfolia, Sternb. MCM., U.				*								*					Etherley.
subulata, Sauveur. UCM.				*	*												Radnitz.
tenuellus, Ad. Röm. UCM.				*					*								Mons, &c.
tenuifolius, Sternb. LCM., U.				*				*	*								Osnaburg.
tuberculata, " M.G., LCM., M., U.		*	*					*	*			*					
spec. indet., Roehl.								*									Lesmahago, Etherley.
Aulacophycus . An Alga. 1856. costatus, Eichw. L"														*			River Oulba, near Tarkhansk.
Baccilarites . Alga, or foliage. problematicus, Feismantel.												*		*			Radnitz, Mertklin Basin, Riv. Oulba.
Bechera †, Sternberg. Beckera , Sternberg. Fruit of <i>Cal a mites</i> . — <i>Carr.</i> M.S. myriaphylloides, Brngn.									*								
grandis, Sternb. MCM.									*	*	*	*	*	*			Swina, Lissitschinskaya.
Beinertia , Göpp., 1836. gynnogammoides, Göpp.									*								Charlottenbrun.
Bergeria , Presl, 1838. Lepidodendron . acuta, Presl. ?												*	*	*			? Petrowskaya.
angulata, " ?												*	*	*			?
undata, " ?												*	*	*			? (De Verneuil).

† For other species, see Sternberg, 'Versuch der Flora der Vorwelt,' Heft iv. 1825.

[illegible]

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Bornia , <i>Ad. Röm.</i> ; <i>Sternberg</i> , 1825.																	
laticostata, Ettingsh.	.....								*	*	*	*	*	*	*	*	Meltsch (in clay).
radiata, Brngn.	CL., LCM.								*	*	*	*	*	*	*	*	Klausthal, Grund, Petrowskaj.
scrobiculata, Sternb.	Jüngste Grauw.								*	*	*	*	*	*	*	*	Ilseberg.
transitionis, Göpp.	" "								*	*	*	*	*	*	*	*	Marwood?
Bothrodendron , <i>Lindl.</i> , 1839.	Ulodendron (<i>Carruth</i> h.).																
punctatum, Lindley.	.....			*					*	*	*	*	*	*	*	*	Etherley, Jarrow.
Bowmanites ?, <i>Binney</i> .	Fruit of Calamites (<i>Carr</i>).																
ambiguus, Binney.	.....			*													Arran.
Cambrensis, " "	LCM.			*													Pontypool (South Wales).
Calamites , <i>Suckow</i> , 1784.																	
approximatus, Schloth.	L.L.S., L', LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Glengool, Carlake, Etherley, Mons, &c.
arenaceus, Jäger.	LCM., U.			?													(Triassic, Carruth.)
Artesii, Sauv.	UCM.			*													Mons, &c.
Binneyi, Carruth.	" "			*								*					Stradonitz.
<i>Volckmanni</i> .																	
cannæformis, Schloth.	L.L.S., LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cork, Campsie, Newcastle, Mons, &c.
Cisti, Brngn.	M.Grit, LCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Glengool, Mons, Langeac, Piesberg,
communis, Ettingsh.	Jüngste Grauw.								*	*	*	*	*	*	*	*	Tchirm (Moravia). [&c.]
<i>Volckm. elongata</i> .																	
concinus, " "	LCM.?											*					Radnitz.
cruciatu, Sternb.	MCM.				*	*											Saarbruck, &c. [Artinsk.]
decoratus, Brngn.	MCM., U.			*		*	*						*	*			Lowmoor, River Ruhr, Saarbruck,
dilatatus, Göpp.	Jüngste Grauw.								*	*	*						Berndau, Clausthal, Schonstein.
<i>Equisetites</i> .																	
distans, Sternb.	" "			*													Mons, Liège, Germany passim.
dubius, " "																	[bruck, &c.]
equisetiformis, Brngn.	M.Grit, MCM., U.	*	*	*	*	?	*	*	*	*	*	*	*	*	*	*	Kirkholm, Leabrook, Mons, Saar-
<i>Calamocladus</i> .	Sternb.	MCM.							*		*	*	*	*	*	*	Waldenburg, Chomle, Wettin.
gigas, Brngn.	MCM.						*					*	*	*	*	*	Saarbruck, Dresden (also Perm.).
Göpperti, Ad. Röm.	Jüngste Grauw.								*	*	*	*	*	*	*	*	Clausthal, Rosenhofen, Gangzuge.
inequalis, Lindl.	LCM.			*	*					*	*	*	*	*	*	*	Carlake, Etherley.
insignis, Sternb.	UCM.			*					*								Charleroi, &c., Hausdorf.
laticostatus, Ettingsh.	.....			*						*	*	*	*	*	*	*	Carlake, Mohradorf, Meltsch.
leioderma, Göpp.	.....										*	*	*	*	*	*	Pilsen.
Lindleyi, Sternb.	L.L.S., LCM., U.	*	*	*								*	*	*	*	*	Edinburgh.
nodosus, Schloth.	LCM., U.			*	*	*							*	*	*	*	Etherley, Mons, Dordogne.
obliquus, Göpp.	CL., LCM.								*								Glatz.
pachyderma, " "	M.Grit, LCM., U.	*	*	*	*	*	*										Lancashire, St. Etienne, Saarbruck.
planicostus, Ad. Röm.	Jüngste Grauw.								*								Lautenthal. [bach.]
ramosus, Artis.	UCM.			*	*							*	*	*	*	*	Leabrook, Mons, Charleroi, Manne-
remotus, Presl.	MCM., U.			*									*	*	*	*	Petrowskaya (also Permian).
Römeri, Göpp.	Jüngste G.w., L'						*	*	*	*	*	*	*	*	*	*	Einmelrod (Hesse), Grund.
Succovi, Brngn.	M. Grit, LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Glengool, Newcastle, Mons, Caylus, &c.
<i>undulatus</i> .																	
var. cannæformis.																	Passim.
tenuifolius, Ettingsh.	MCM., U.			*						*	*	*	*	*	*	*	Vosges, Wranowitz, Zwickau.
tenuissimus, Göpp.	Jüngste Grauw.						*	*	*	*	*	*	*	*	*	*	Bogensdorf, Altendorf, Troppau,
transitionis, " "	L', L.L.S.						*	*	*	*	*	*	*	*	*	*	Landschut, Altendorf. [Friedershof.]
<i>radiatus</i> .																	
variolum, " "	Jüngste Grauw.								*		*	*	*	*	*	*	
verticillatus, Lindl.	MCM., U.			*													Pontefract, Etherley (LCM. also).
Volckmanni, Sternb.	L.L.S.?, UCM.											*	*	*	*	*	Stradonitz.
<i>Anthol. pauciflorus</i> .																	
Voltzii, Brngn.	Jüngste Grauw.								*		*	*	*	*	*	*	Lcobschutz.
undulatus, " "	UCM.			*	*						*	*	*	*	*	*	Wigan, Mons, Liège, &c.
Calamodendron , <i>Brongniart</i> .	Tree Calamite.																
commune, Binney.	LCM.			*													Lancashire.
Calamostachys , <i>Schlotheim</i> .	A Calamite.— <i>Carruth</i> er s.																
Binneyana, Schimp.	LCM.			*													Lancashire.
<i>Calamodendron commune</i> .																	
Calamitis foliosi, Fr. Crepin.	LCM.											*	*	*	*	*	Planitz, Niedercainsdorf, &c.
equisetiformis, Germar.	CM.			*			*		*		*	*	*	*	*	*	Gelsenkirchen.
major, Sternb.	MCM.											*	*	*	*	*	Wettin.
polystachya, Sternb.	UCM.								*		*	*	*	*	*	*	Waldenburg.
typica, Schloth.	MCM. &c.			*	*		*	*	*	*	*	*	*	*	*	*	Bochum, Radnitz, Stradonitz, &c.

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Cardiocarpus , <i>Brongniart</i> , 1828.	Fruits or nutlets.																
affine, Lesq.	LCM.	*															Male's Coal-mine, Frog Bayou.
annulatum, Newberry.	LCM.									*							Young's Town.
bicuspidatum, Sternb.	LCM.									*							Tallmadge.
bisectatum, Dawson.	MCM.														*		Grand Lake, Spring Hill.
circulum, Heer.	?																Arctic Archipelago.
elongatum, Newberry.	LCM.									*							Young's Town.
fluitans, Dawson.	MCM.													*			Joggins.
ingens, Lesq.	LCM.†	*														*	Male's Mine, Frog Bayou.
latum, Newberry.	LCM.									*							Young's Town.
marginatum, Foster.																	California.
minus, Newberry.	LCM.									*							Cuyahoga Falls.
obliquum, Dawson.	LCM.?														*		St. John's.
orbiculare, Newberry.	LCM.									*							Cuyahoga Falls.
ovalis, Dawson.	LCM.														*		St. John's.
plicatum, Lesq.	LCM.												*				Trevorton.
punctatum?, Göpp.	LCM.?												*				Muddy Creek.
retusum, Sternb.	LCM.									*							Massilon, Tallmadge, &c.
Samaræforme, Newberry.	LCM.									*							Cuyahoga Falls.
Trevortoni, Lesq.	LCM.												*				Trevorton.
Carpolithus , <i>Sternberg</i> , 1828.	Fruits, various.																
acuminatus, Sternb.	LCM.											*					Trevorton.
bicuspidatus, "	LCM.											*					Passim.
bifidus, Lesq.	LCM.											*					Trevorton.
cistula, "	LCM.							*									Murphysboro' (Jackson Co.).
disjunctus, "	LCM.	*										*					Male's Bank, Trevorton.
fasciculatus, "	UCM.						*										Graysville (White Co.).
fragrarioides, Newberry.	LCM.							*									Mill Creek (Shales, Coal No. 1).
Jacksoniense, Lesq.	LCM.							*									Murphysboro' (Jackson Co.).
latemarginatus, "	LCM.	*										*					Male's Coal Bank, Lee Creek, Tre-
minutus, Newberry.	LCM.							*									Cuyahoga Falls. [vorton.
multistriatus, Sternb.	LCM., M.							*									Colchester, Mazon Creek, Morris-
retusum, "	LCM.									*							Cuyahoga Falls. [town.
umbonatus, "	LCM.												*				?

† Below Millstone Grit; always in Arkansas.

EUROPE, &c.																		
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIA PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.	
Calamoxylon , <i>Corda</i> , 1838.																		
cyadeum, <i>Corda</i> .	MCM.												*				Chomle.	
Calopteris , <i>Corda</i> , 1845.																		
dubia, "	LCM.												*				Radnitz.	
Cardiocarpus , <i>Brongniart</i> , 1828.	Fruits or nutlets.																	
acuminatum, <i>Sternb.</i>	?												*				?	
acutiusculum, <i>Göpp. &c.</i>													*				?	
acutum, <i>Brngn.</i>	LCM., M., U.	*	*					*					*				Burdie House, Jarrow, Etherley.	
anomalum, <i>Carruth.</i>	MCM.		*														Derbyshire, Coalbrook Dale.	
<i>Antholit.</i>																		
apiculatum, <i>Göpp. &c.</i>	UCM.		*					*									Newcastle.	
cicatriscum, "	MCM.							*					*				Charlottenbrun, &c.	
contractum, <i>Sternb.</i>	?												*				?	
coreculum, "	LCM.?												*				Radnitz.	
cordiforme, <i>Brngn.</i>	?							*										
discus, <i>Corda.</i>	LLS., UCM.												*				Stradonitz.	
emarginatum, <i>Göpp. & Berg.</i>	UCM.				*		*	*	*	*	*	*	*	*	*	*	Autun, Charlottenbrun, Hanover, &c.	
Gutbieri, <i>Geinitz.</i>	MCM.				*		*	*	*	*	*	*	*	*	*	*	Up. Loire, Hanov., Pilsen, Oberhohn-	
Kuhnsbergi, <i>Gutbier.</i>	UCM.										*	*	*	*	*	*	Rakonitz, Zwickau, Flohe. [dorf.]	
Lindleyi, <i>Carruth.</i>	LCM.		*										*				Falkirk.	
macropterus, <i>Corda.</i>	MCM.												*				Radnitz.	
majus, <i>Brngn.</i>	?							*									?	
microsperma, <i>Corda.</i>	MCM.								*				*				Radnitz.	
minimum, <i>Sternb.</i>	?												*				Not known.	
operculatum, <i>Göpp., Brngn.</i>	MCM.							*									Charlottenbrun.	
Pomieri, <i>Brngn.</i>								*	?								And in Styria.	
punctatum, <i>Göpp.</i>	LLS.							*					*				Ebendorf, Bear Island.	
punctulatum, <i>Heer.</i>													*				" (see Table No. 1, Appen-	
Sternbergii, <i>Göpp., Brngn.</i>	Jüngste Grauw.												*				Chomle. [dix].	
Ursina, <i>Heer.</i>	LLS. ... [MCM.]												*				Bear Island (Table No. 1, Appendix).	
Cardiopteris , <i>Schimper</i> , 1859.																		
frondosa, <i>Göpp.</i>	Jüngste Grauw.							*									" (Arctic Eur.) also.	
Hochstetteri, <i>Ettingsh.</i>	Culm.								*		*	*	*	*	*	*	Sudetic Mountains.	
polymorpha, <i>Göpp.</i>	"					*		*	*	*	*	*	*	*	*	*	Vosges, Falkenberg.	
Carpolithus , <i>Sternberg</i> , 1828.	Spirangium , <i>Schimper</i> .																Palæoxyris , <i>Brongniart</i> .	
acuminatus, <i>Sternb.</i>	UCM.												*				Radnitz, Mostitz.	
alatus, <i>Lindl. & H.</i>	LCM.			*									*				Jarrow (Northumberland).	
annularis, <i>Sternb.</i>	LCM.												*				Radnitz.	
bicuspidatus, <i>Corda.</i>	LCM.												*				"	
bivalvis, <i>Göpp.</i>								*										
Candollianus, <i>Heer.</i>	Anthracite																Swiss and Austrian Alps.	
cerasiformis, <i>Sternb.</i>	LCM.												*				Radnitz.	
clavatus, "	LCM.												*				"	
clypeiformis, <i>Geinitz.</i>	MCM.												*				Zwickau.	
coniformis, <i>Göpp.</i>	LCM.?							*					*				Rakonitz, Pilsen.	
conoideus, "													*					
contractus, <i>Sternb.</i>	LCM.												*				Rakonitz, Radnitz.	
copulatus, "	LCM.												*				Radnitz.	
coreculus, "	LCM.												*				"	
cycadinus, <i>Corda.</i>	LCM.												*				Mosstitz.	
disciformis, <i>Sternb.</i>	LCM.												*				Radnitz.	
discoideus, "	LCM.												*				"	
discus, <i>Corda.</i>	LCM.												*				Wranowitz, Radnitz.	
distichus, <i>Ad. Röm.</i>	UCM.							*	*	*	*	*	*	*	*	*	Piesberg, Osnaburg.	
dubius, <i>Geinitz.</i>	?									?	*	*	*	*	*	*	?	
ellipticus, <i>Sternb.</i>	LCM.												*	*	*		Radnitz.	
excavatus, "	LCM.												*				"	
ficiformis, <i>Schlot.</i>	LCM.												*				Oberhohndorf.	
folliculus, <i>Corda.</i>	LCM.												*				Wranowitz.	
granularis, <i>Sternb.</i>	LCM.												*				Rakonitz, Radnitz.	
helieteroides, <i>Morris.</i>	LCM.?			*									*				Coalbrook Dale.	
<i>Jordania.</i>																		
incertus, <i>Sternb.</i>	LCM.												*				Radnitz.	
lagenarius, "	LCM.												*				"	
lenticularis, "	LCM.												*				"	
lentiformis, <i>Corda.</i>	LCM.												*				"	
macropterus, "	MCM.							*					*				Chomle.	
marginatus, <i>Artis.</i>	LCM.			*									*				Leabrook (Yorksh.), Oberhohndorf.	
minimus, <i>Sternb.</i>	LCM.												*				Radnitz.	

Note.—Also *Cardiocarpus marginatum*, Artis: Prilep, Bohemia, Saxony, and England.

" " *orbiculare*, Ettingsh.: Lisek, &c.

NORTH AMERICA.

Genus, Species, and Author.		Horizon.	ARKANSAS. KANSAS. NEBRASKA. MISSOURI. IOWA. MICHIGAN. ILLINOIS. INDIANA. OHIO. KENTUCKY. TENNESSEE. PENNSYLVANIA, NOVA SCOTIA. CAPE BRETON. NEW BRUNSWICK.	Locality.
Cauda-Galli? Seaweed.				
Caulopteris, Lindl. & Hutt. 1831.		Stems of trees.— <i>Etheridge.</i>		
antiqua,			*	Coal below Millstone Grit.
Cystii,	Brngn.	LCM.		Wilkesbarre.
gigantea,	Lesq.	LCM.	*	Carbondale.
insignis,	"	LCM.	*	Dunquoin.
punctata,	"	UCM.	*	Gate vein. Pottsville.
Wortheni,	"	?	*	Carmi. White Co.
Chondrites, Sternberg, 1833.				
Colletti,	Broadhead.	 *		Putnam Co.
Cyatheites, Göppert, 1836.				
Miltoni,	Göppert.	.....		North America.
Schlotheimii,	Gomez.	.....		

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Morschellæformis,	Sternb.	LCM.											*					Radnitz.
placenta,	Corda.	LCM.											*					" Wranowitz.
putaminifer,	"	LCM.											*					"
pyriformis,	"	LCM.											*					Wranowitz. "Swina.
regularis,	Sternb.	LCM.											*					Radnitz.
reticulatus,	Corda.	LCM.											*					"
retusus,	Sternb.	LCM.											*					"
semen-amygdala,	Gutbier.	LCM.									*							
sepelitus,	Sternb.	LCM.											*					Radnitz.
sulcatus,	Presl, Lindley.	LLS., LCM.	*	*									*					Wardie. Brzas.
sulcifer,	Presl.	LCM.											*					Chomle.
tessellatus,	Sternb.	LCM.											*					
trilocularis,	"	LCM., M., U.											*					Oberhohndorf.
truncatus,	Sternb.	LCM.											*					Radnitz.
umbilicatus,	"	LCM.											*					"
umbonatus,	"	LCM.											*					"
verrucosus,	"	LCM.											*					"
zamioides,	Morris.	LCM. ?			*								*					Coalbrook Dale.
Cauda-Galli, L. Vanuxem, 1842.		Seaweed.																
spec. indet., L. Vanuxem.			*															
Caulopteris, Lindl. & Hutt. 1831.		A Tree-fern.																
macrodiscus,	Brngn.	MCM.												*				Oberhohndorf.
Phillipsii, Lindl. & Hutton.		UCM.			*													Camerton (Somersetshire).
primæva, "	"	LCM. ?			*													Near Bath.
Cedroxylon, Kraus.																		
Withami, Peuce.	Kraus.	CM.			*													Hill Top. Ushaw (Durham).
Chondrites, Sternberg, 1833.		Algæ.																
Andree, Ad. Röm.		LLS.									*							Andreasburg.
dissimilis, Eichw.		MCM.									*				*			River Mjous. Donetz Mountains.
Göppertianus, Ettingsh.		MCM.											*					Roots of a land-plant.
Prestvici, Morris.		LCM.			*													Coalbrook Dale.
subtilis, Eichw.		L.									*				*			Schulenberg. River Msta.
tenellus, Göpp.		LLS., Jüngste [Grauw.									*	*			*			Altendorf.
tæniola, Eichw.		L.													*			River Msta (Governm. Novgorod).
transitionis, Göpp.		Jüngst. Grauw. L.								*								Leobschutz. Gratz. Troppau, &c.
vermiformis, Ettingsh.		" "										*						Bautsch.
Chorionopteris, Corda, 1845.																		
gleichenoides, Corda.		LCM., U.											*					Radnitz (in Sphærosiderite).
Cingularia, Weiss.																		
typica, Weiss.		MCM.						*										Saarbruck.
Clathraria †, Brongniart, 1828.		Cycadites?																
columnaris, Brngn.		LCM.											*					Radnitz.
involuta, Presl.		LCM.												?				"
Cordaites, Unger, 1845?		Flabelaria. Pycnophyllum.																
borassifolia, Unger.		LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Lennox Water. Jarrow, &c. Swina, &c.
Goldenbergiana, Weiss.		MCM.						*										Saarbruck.
microstachys, Goldnabrg.		MCM.						*										" Piesberg.
palmaformis, Göpp.		LCM., M.						*			*			*				" Permian also.
principalis, Germar, Gein.		MCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Langeac. Lisek Basin.
Coryneopteris, W. H. Bailey.																		
stellata, W. H. Bailey.		LCM.	*															Limerick Co.
Crepidopteris, Presl, 1838. Vide		Pecopteris.																
Culmiana, Ad. Römer? A grass.																		
spec. indet., Ad. Röm.		LLS.									*							Lautenthal.
Cyatheetes, Göppert, 1836. Pecopteris, pars.																		
acutus, Brngn.		MCM.				*	*	*	*	*	*	*	*	*	*	*	*	Saarbruck.
aqualis, Göpp.		LCM.				*	*	*	*	*	*	*	*	*	*	*	*	Radnitz. Miroschau.
arborescens, "		LCM., U.				*	*	*	*	*	*	*	*	*	*	*	*	St. Etienne. Lisek Basin. Chomle.
var. cyathea, Brngn.		LCM.				*	*	*	*	*	*	*	*	*	*	*	*	Boulonnais.
argutus, "		LCM.				*	*	*	*	*	*	*	*	*	*	*	*	Rakonitz. Pilsen.
asper, "		LLS., LCM., U.				*	*	*	*	*	*	*	*	*	*	*	*	Montrelais. Berghaupten. Berthels-
Biotii, "		LCM.				*	*	*	*	*	*	*	*	*	*	*	*	St. Etienne. [dorf.
Candollianus, "		LCM., M(Perm.)				*	*	*	*	*	*	*	*	*	*	*	*	Alais, &c. Saarbruck. Radnitz, &c.
Pecopteris.																		
delicatulus, "		LCM., M.			*	*	*	*	*	*	*	*	*	*	*	*	*	Oldham. Mosstitz.
Pecopt. plumosus.																		
dentatus, "		MCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Airdrie. Langeac (Loire). Radnitz.

† = *Zamites Cordai*, non Mantell (W. Carruthers, F.R.S.).

NORTH AMERICA.

Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Cyclopteris, Brongn. 1828.	Oto	pteris. Nephropteris.																
<i>Aeacida,</i>	Daws.	LCM.											*	*				Horton. Norton Creek.
<i>Ancimites.</i>																		
<i>antiqua,</i>	"	M. Grit											*	*				Rivers M'Can and Herbert.
<i>Bockschiana,</i>																		?
<i>elegans,</i>	Lesq.	LCM.											*	*				Shamskin. Pottsville.
<i>fimbriata,</i>	"	LCM., M.							*	*	*	*	*	*				Pomeroy. Pottsville.
<i>flabellata,</i>	Brngn.	LCM.								*	*	*	*	*				Trevorton.
<i>Germari,</i>	Göpp. & Sternb.	?								*	*	*	*	*				Salem vein. Pottsville.
<i>heterophylla,</i>	"	MCM., U.											*	*				Joggins.
<i>hirsuta,</i>	Lesq.	LCM., U.							*	*	*	*	*	*				Gate vein. Pottsville.
<i>hispidia,</i>	Daws.	MCM.											*	*				Sydney.
<i>ingens,</i>	Lindl. & Hutt.	MCM.											*	*				" Grand Lake, &c.
<i>lacerata,</i>	Heer.																	Common in North Amer. (Schimp.).
<i>laciniata,</i>	Lesq.	MCM. ?								*	*	*	*	*				Schuylkill River, &c.
<i>oblata,</i>	Lindl. & Hutt.	MCM.											*	*				Sydney.
<i>obliqua,</i>	Bunbury & Brngn.	MCM.							*	*	*	*	*	*				" Grand Lake.
<i>Neuropteris.</i>																		
<i>oblongifolia,</i>	Göpp.	UCM.											*	*				Pietou.
<i>orbicularis,</i>	Brngn.	LCM.							*	*	*	*	*	*				Mauchunk, &c.
<i>trichomanoides,</i>	"	LCM., U.							*	*	*	*	*	*				Pomeroy. Gate vein.
<i>undans,</i>	Lesq.	LCM.											*	*				Gate vein. Middleport.
<i>Whittleseya,</i>	Newb.	LCM.							*	*	*	*	*	*				Cuyahoga Falls.
<i>spec. indet.,</i>	Lesq.	LCM.	*															James's Poteau.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALPES.	Locality.
lepidorhachis,	Göpp.	LCM.					*	*										Alais, &c.
microphylla,	Brngn.	MCM.					*	*										Saarbruck.
Milioni,	Artis.	MCM.			*		*	*					*			*		Milton near Elsecar. Saltaire Moun-
mucronatus,	Sternb.	LCM.					*	*					*					? [tains.
plumosus,	Artis.	MCM.					*	*			*		*					Saarbruck. Hanover.
punctulatus,	Brngn.						*	*										
Schlotheimii,	Göpp.	MCM. ?					*	*										Ibbenbüren.
setosus,	Ettingsh.	UCM.										*	*					Mosstiz.
Silesiacus,	Göpp.	MCM. ?							*			*	*					Waldenburg. Raditz.
subnervosus,	Ad. Röm.	UCM.								*								Piesberg by Osnabruck.
undulatus,	Göpp.	LCM.										*	*					Radnitz.
unitus,	Brngn.	LCM.					*	*				*	*					Alais. Rakonitz. Miroschau.
var. major,	"	MCM.					*	*				*	*					Saarbruck.
" minor,	"	MCM.					*	*										Bath. Bockwa.
vilosus,	"	MCM.			*		*	*	*				*					
Cyathocarpus, Weiss, 1870?																		
Eucarpus,	Weiss.	MCM. ?					*	*										Berschweiler (Kirn).
Cycadites, Brongniart, 1828.																		
Caledonicus,	Salter.	LLS.		*														Berwickshire.
columnaris,	Presl.	LCM.											*					Radnitz.
involutus,	"	LCM.											*					
taxodinus,	Göpp.	CL.							*									Rothwaltersdorf (Silberberg).
Cyclopteris, Schimper.	Ctenopteris, Brngn.																	
antiqua,	Stur.	Culm.									*							Sudetic Mountains.
Cyclocarpum, Lindley, 1833.																		
marginatum,	Artis.	?						*										Baden.
nummularium, Göpp. & Fiedler.								*										Saarbruck.
tuberosum,	Geinitz.	?							*	?								
Cyclocadia, Lindley, 1833.																		[Goldenburg. Newcastle.
major,	Lindley.	CM.			*							*						Inorganic (Carruth.). Described by
ornata,	Goldbrg.	MCM.					*											Duttweiler. Altenbach (Saarbr.).
Cyclopteris, Brngn. 1828.	Otopteris. Adiantites. Nephopteris, &c.																	
Alula,	Eichw.	MCM.												*				River Don (Voroneje).
? amplexicaulis,	Gutbier.								*									
cuneata,	Göpp.	MCM., U.					*	*										Saarbruck. Osnabruck.
cycloidea,	Sauveur.				*		*	*										Mons. Liège.
dilatata,	Lindl.	UCM.		*	*				*									Wardie. Felling. Ilfeld.
Nephropteris.																		[Hesse.
dissecta,	Göpp.	CL., Culm.					*	*	*	*								Hausdorf. Rothwaltersdorf, and in
Sphenopteridium.																		
flabellata,	Brngn.	LLS, LCM, M, U.	*						*	*								Wardie. Ilfeld. Herborn. Berghaupt.
frondosa,	Göpp.	L.							*	*								Klein. Falkenberg.
Kœchlini.																		
gibbosa,	Sauveur.	UCM.			*													Mons. Liège.
Germari,	Sternb.	MCM.							*	*		*	*					Wettin.
Hochstetteri,	Ettingsh.	Jüngste Grauw.									*	*	*					Altendorf.
Haidingeri,	"	"									*	*	*					"
inequilatera,	Göpp.	"							*	*								Rothwaltersdorf (Glatz).
lacerata,	Heer.	MCM.					*	*	*	*								Savoy. Saarbruck.
Maccoyana,	Göpp.	LLS. ?	*															Kilkenny (Yellow Sands.).
Nana,	Eichw.	MCM. ?												*				Kaudatscha (Icaterinebourg).
oblata,	Lindl.	LCM., M., U.		*			*	*	*	*								Etherley (Durham).
obliqua,	Brngn.	LSS., LCM., U.	*	*	*		*	*	*	*								Wardie. Coalbrook Dale.
Nephropteris.																		
obovata,	Sternb.	UCM.		*					*	*								Newcastle. Ilfeld.
oblongifolia,																		
var. sessilis,	Roehl.	UCM.						*	*	*		*	*					Dortmund, &c.
Otopteroides ?,	Göpp.	UCM.											*					Radnitz. [&c.
orbicularis,	Brngn.	LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*				Airdrie, Coalbrook Dale, Saarbruck.
Nephropteris.																		
peltata,	Ad. Röm.	UCM.						*	*	*		*	*					Piesberg by Osnabruck.
polymorpha,	Göpp.	L.					*	*	*	*		*	*					Vosges. Friedersdorf. Kunzendorf.
var. rotundifolia,	"	L., LCM.					*	*	*	*		*	*					"
reniformis,	Brngn.	LSS., LCM.	*	*	*	*	*	*	*	*		*	*					Wardie, Mons, Départm. Var, &c.
Nephropteris.																		
rhomboidea,	Ettingsh.	?										*	*					Prilep Basin.
semicordata,	Sauveur.	UCM.			*		*	*	*	*		*	*					Mons. Liège.
semiflabelliformis,	Morris.	LCM., M.		*			*	*	*	*		*	*					Coalbrook Dale. Shropshire.
tenera,	Ettingsh.	?										*	*					Lisek Basin.

NORTH AMERICA.

[illegible]

EUROPE, &c.

Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
<i>tenuifolia</i> , Göpp.	Jüngste Grauw.	...	...	...	...	...	...	*	...	...	*	*	...	...	...	...	Landschut. Altwasser.
<i>Adiantides</i> , [LCM.]		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>trichomanoides</i> , Brngn.	L.L.S., LCM., M.	*	...	...	*	*	...	...	*	...	...	...	...	...	...	...	Wardie, St. Etienne, Elzebach, &c.
<i>undulata</i> , Sauveur.	UCM.	...	...	...	*	...	...	...	...	...	...	...	...	...	...	...	Mons. Charleroi.
Cyclostigma , Haughton, 1840.	(Tree-trunk).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	O.R.S.?
<i>Griffithii</i> , Brngn.	L.L.S.	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	" ? Limerick.
<i>Kiltorquense</i> , Haught.	L.L.S.	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	" Kiltorkan. Limerick.
<i>minutum</i> , L.L.S.	L.L.S.	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	" " " [wood.
Cyperites , Lindl. & Hutt. 1830.	A leaf of <i>Sigillaria</i> .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Burdie House. Bideford. Leebot-
<i>bicarinata</i> , Lindley.	L.L.S., LCM.	*	*	...	...	...	...	...	...	...	...	...	...	...	...	...	
Dactylopteris , Göppert, 1859.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Stieleriana</i> , Göpp.	Jüngste Grauw.	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	Wernigerode.
Dadoxylon , Endl., 1840.	Araucarioxylon , Krauss.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>approxinatum</i> , Williamson.	L.L.S., LCM., M., U.	*	*	...	...	...	...	...	...	...	...	...	...	...	...	...	Edinburg. [castle].
<i>Brändlingii</i> , Witham.	MCM.	...	...	...	*	...	...	...	...	...	...	...	...	...	...	...	Wideopen near Gosforth (New-
<i>Vogesiacum</i> , Schimper.	Mountain Limst.	...	...	...	...	*	...	...	...	...	...	...	...	...	...	...	(Vosges) Niederburbach.
<i>spec. indet.</i> , Armstrong.	MCM.?	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Airdrie.
Danaides , Schimper, 1869.	Daneites , Göppert.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Asplenoides</i> , Göpp.	MCM.	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	Charlottenburg.
Dechenia , Göppert, 1859.	A rot.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Euphorbioides</i> , Göpp.	Jüngste Grauw.	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	Landschut.
<i>Römeriana</i> , "	"	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	Lauterberg.
Dictyodendron , Eichwald, 1855.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Leuchtenbergii</i> , Eichw.	UCM.	...	...	...	...	...	...	...	...	...	...	...	...	...	*	...	Artinsk.
Dictyophyllum , Lindley, 1837.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Darmionse?</i> , Haughton.	L.L.S.	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Kilkenny. O.R.S.?
Dictyopteris , Gutbier, 1836.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	[&c.
<i>Brongniarti</i> , Gutbier.	LCM.	...	...	...	*	...	...	...	*	*	*	*	*	*	...	...	Eschweiler, Zebrack basin, Radnitz,
<i>Hoffmanni</i> , Ad. Röm.	L.L.S., UCM.	...	...	...	...	...	...	...	*	*	*	*	*	*	...	...	Piesberg. Ibbenbüren.
<i>Münsteri</i> , Eichw.	MCM.	...	...	...	...	...	...	...	...	...	...	...	...	*	...	...	Lougan Mines. Govt. Ecaterinoslaw.
<i>neuropteroides</i> , Gutbier.	MCM.	...	...	...	...	...	...	...	*	*	*	*	*	*	...	...	Stradonitz. Zwickau.
<i>Schulzei</i> , Ad. Röm.	MCM.?	...	...	...	...	...	...	...	...	*	...	...	...	...	...	...	Zorge. Ilfeld.
<i>spec. indet.</i> , Gruner.	...	...	...	...	...	...	...	...	...	*	...	...	...	...	...	...	
Didymophyllum , Göppert, 1859.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Darmionse</i> , Haughton.	Yellow Sandst.	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Limerick. O.R.S.?
<i>Schottini</i> , Göpp.	Jüngste Grauw.	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	Vosges. Landschut.
Diplophacelus , Corda, 1846.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>arbores</i> , Corda.	LCM.	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Radnitz.
Diploptegium , Corda, 1846.	Lepidodendron.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Brownianum</i> , Corda.	LCM., M.	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Swina. Chomle.
Diploxylon , Corda, 1840.	Pith of <i>Dadoxylon</i> (<i>S. ternbergia</i>).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>anabathra?</i> , Witham, Brngn.	M. Grit, LCM., M.	...	...	...	*	...	...	...	...	...	...	...	...	...	...	...	
<i>cycadoideum</i> , Binney.	LCM.	...	...	...	*	...	...	...	...	...	...	*	...	...	...	...	Lancashire. Chomle.
<i>elegans</i> , Corda.	MCM.	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Mosstitz. Chomle.
Drepanophycus , Göppert, 1859.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Machanaki</i> , Göpp.	Culm	...	...	...	...	...	...	...	...	...	*	...	...	...	...	...	Sudetic Mountains.
Endogenites , Brongniart, 1828.	Cast of a stem. — <i>Car ru ther s.</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>striata</i> , Lindl. & Hutt.	?	...	...	...	*	...	...	...	...	...	...	...	...	...	...	...	passim.
Equisetites , Sternberg, 1833.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>brevi</i> , Schloth.	MCM.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Saarbruck.
<i>dubius</i> , Brngn.	LCM.	...	...	...	*	...	...	...	...	...	...	...	...	...	...	...	Wigan.
<i>giganteus</i> , Lindl. & Hutt.	LCM.	...	...	...	*	...	...	...	*	...	...	...	*	...	...	...	Jarrow. Waldenburg.
<i>Göppertii</i> , Ettingsh.	L.L.S.	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Schirm.
<i>infundibuliformis</i> , Brngn.	MCM.	*	...	...	...	...	...	...	...	...	*	*	...	...	...	...	Glengool, Saarbruck, Radnitz, &c.
<i>mirabilis</i> , Stur.	Culm	...	...	...	...	...	...	...	...	...	*	...	...	...	...	...	Sudetic Mountains.
<i>priscus</i> , Geinitz.	MCM.	...	...	...	...	...	...	...	*	...	...	*	*	...	...	...	Saarbruck. Wettin. Radnitz.
<i>lingulatus</i> , Germar.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>rugosus</i> , Schloth.	CM.	...	...	...	...	...	...	...	*	...	...	*	...	...	...	...	Not given.
<i>Sokolowskii</i> , Eichw.	Jüngste Grauw.	...	...	...	...	...	...	...	...	...	...	...	...	*	...	...	Kowsnitz. Afornino.
<i>tenuidentata</i> , Feistmantel.	...	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	
<i>zeiformis</i> , Schloth.	...	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	
Eremopteris , Schimper, 1869.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>artemesiaefolia</i> , Sternb.	CL., UCM.	...	...	...	*	...	...	...	*	...	...	...	...	*	...	...	Newcastle, Rothwaltersdorf, &c.
<i>erithmifolia</i> , Lindl. & Hutt.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Excipulites , Göppert, 1836.	Fungorum Genus.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Neesi</i> , Göpp.	...	...	...	...	...	...	...	...	*	...	...	*	...	...	...	...	On pinnules of <i>Hymenophyllum</i> , &c.
Fasciculites , Cotta, 1832.	An Alga.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>carbonigenius</i> , Corda.	UCM.	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Radnitz and Wranowitz.
<i>leptoxylon</i> , "	UCM.	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	" "

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Flemingites , <i>Carruthers</i> , 1865. Pedroanus, Carruth.	Abundant. ?																Brazil, S. Catharina Province, &c.
Fuccoides , <i>Brongniart</i> ; <i>Harlan</i> , 1822. Alleghaniensis, Rogers? Brongniarti, "	..... ..... .....												*				H. D. Rogers, Rep. Geol. Penns. " "
Goniopteris — Eugoniopteris . (Eugon.) <i>arguta</i> , Brugn. (Desmoph.) <i>enarginata</i> , Göpp.	UCM.									*		*					Pomeroy. Pottsville. (Maryland) Frostburg.
Gyromyces , <i>Göppert</i> . <i>ammonis</i> , Göpp., M. & W. <i>Spirorb. carbonarius</i> , Dawson, 1845.	..... .....						*	*					*				Colchester, &c.
Halionia , <i>Lindley and Hutton</i> , 1833. Lepidodendron . <i>pulchella</i> , Lesq. LCM. subcongl. <i>spec. nova</i> , D. D. Owen. LCM. " Dawson. LCM. " Lesq. LCM.	..... ..... ..... .....	*									*						Male's Coal Bank. Coal Creek (Grand Lake). Male's Bank?

EUROPE, &c.

Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN RUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MOLAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAL.	Locality.
Favularia , Sternberg, 1823. See	Sigillaria , Brongn.																
Filicites , Brongniart, 1828.																	
Cultranensis, Haught.	LLS.	*															Cultra (Co. Down).
dichotoma, " W. H. Bailly.	LLS.	*															" (yellow sandst.).
lineatus, " "	Coomhola	*															County Cork.
plumiformis, " "	CL. ?	*															Wexford.
Flabellaria , Unger?; Sternberg,	1822. Foliage of	<i>Lepidodendron</i> .															
Borassifolia, Unger.	LCM., M.	*			*		*		*	*	*	*	*	*			See Cordaites .
Sternbergii, Ettingsh.	LCM. (Fstnmtl.)												*				Swina.
Flemingites , Carruthers, 1865.	Fruit of <i>Sigillaria</i>	<i>ri a</i> .															
gracilis, Carruth.	LCM.	*	*														Lanarkshire. Burdie. Newcastle.
sporangia of, Prof. Etheridge.		*															Drumgray Coal (Carluke).
Fucoides , Brongniart, 1822.																	
bipinnatus, Richt.	Jüngste Grauw.																Thuringia.
tenellus, Ad. Röm.	" "								*								Schulenberg, upper half.
Gastromyces , Ludwig.	Fruit or seed.																
farinosus, Ludw.														*	*		
Gleichenites , Göppert.																	
artemisiaefolius, Göpp.	LCM.											*					Mosstitz.
rutefolius, Eichw.	L"														*		Kamiinskaya (Eatherineburg).
Gloekeria , Göppert, 1836.																	
marattioides, Göpp.	MCM.								*								Charlottenbrun.
Glossopteris , Brongniart, 1822.	See Table I. (supplemen- tary).								Sag								enopteris , Presl, 1838.
Goniopteris , Presl. Emdend.	Al. Braun.																
Goniopteris — Desmophlebis .	Desmophlebis , Brongn.																
(Desm.) brevifolia, Schimp.	MCM.	*															Saarbruck?
" emarginata, Göpp.		*															Ilmenau. Wettin.
" longifolia, Brugn.		*							?								
Goniopteris — Eugonicpteris ,	Al. Braun?																
(Eugon.) arguta, Ettingsh.	LCM.	*	*						&c								St. Etienne.
" decussata, Göpp.	UCM.								*								Waldenburg.
" elegans, Germar.	MCM.												*				Wettin.
<i>Pecopteris</i> .																	
Göppertia , Presl, 1838.													*				Pilsen.
polypodioides, Presl.																	
Graminites , Presl, 1838. A gra ss.																	
Feistmanteli, Geinitz.	MCM.											*					Radnitz.
Volckmanni, "	?											*					Lisek basin.
Gymnogramme .																	
obtusiloba, Ettingsh.	Jüngste Grauw.								*								Altendorf.
Gyromyces , Göppert.																	
anmonis, Göpp.	MCM.											*					Wettin.
<i>Planorbis</i> .																	
Gyropteris , Corda, 1845.																	
crassa, Corda.	LCM.											*					Radnitz in <i>Sphaerosiderite</i> .
rotundata (erose), "												*					
sinuosa, Göpp.	CL.								*								Glatz by Falkenberg.
Halionia , Lindley and Hutton, 1833.	Lepidodendron (root of, ? Dawes).																
Beinertiana, Göpp.	MCM.	*							*								Charlottenbrun. (Permian also.)
dichotoma, Gldnbg.	MCM.	*															Saarbruck. Frederichsthal.
disticha, Morris.	LCM., M., U.	*															Coalbrook Dale, &c.
gracilis, Lindley.	LCM., M., U.	*															Lowmoor (Yorkshire).
Münsteriana, Göpp.	CM. (sandst.)							*									Essen.
punctata, Lindl. & Hutt.	CM.	*						*				*					Kralup and Prilep. [weile.]
regularis, "	MCM.	*						*									Halliwell and Peel (Yorksh.). Dutt-
tetrastylia, Göpp.	LCM.	*						*	*								Landeschut. Sudetic Mountains.
tortuosa, Lindl. & Hutt.		*	*					*				*	*	*	*	*	Coalbrook Dale. Saarbr. Petrowsk.
tuberculata, Brugn.	Jün. G.w., LCM.	*	*					*				*	*	*	*	*	Ebersdorf. Kharkhoff.
tuberculosa, Lindl. & Hutt.	LCM. ....[U.	*	*				*	*				*	*	*	*	*	Coalbrook Dale. Anerswaldflotz.
Haulea , Corda, 1845. Asterocarpus , Gopp., 1836.	CM.																Gerweiler.
pulcherrima, Corda.												*					Beraun (in clay-slate).
Hemitelites , Goppert. Equisetites .																	
gigantea, Pecopteris.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Jarrow, Saarbruck, Waldenburg, &c.
Heterangium , Corda, 1845. Leaf-stem of Fern.																	
paradoxicum, Corda.	LLS.	*										*					Burntisland. Wranowitz.
Hippurites , Lindley, 1833.																	
giganteus, Equisetites.	LCM.	*															Newcastle.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Hymenophyllites, Göppert, 1836.																	
affinis, Lesq.	MCM.							*					*				Gate vein. New Philadelphia.
alatus, Brngn.	LCM.							*									Morristown. Colchester.
Artemisiaefolia, "	MCM. on Congl.										*						Hazlegreen.
capillaris, Lesq.	LCM.												*				At Salines.
Clarkii, "	LCM.							*									Mazon Creek. Grundy Co.
<i>Rachophyllum.</i>																	
distans, "	LCM.							*									Morristown.
fimbriatus, "	LCM.									*							Pomeroy.
flexicaulis, "	LCM.		*														Male's Coal Bank. Lee Creek.
furcatus, Brngn.	LCM., Congl. top								*	*		*	*				Cuyahoga, Mauchunk, Calvary, &c.
giganteus, Lesq.	UCM.								*	*		*	*				Port Carbon. Gate vein.
Hildrethi, "	LCM.									*	*	*	*				Stenson. The Salines. Etina Mines.
hirsutus?, "	LCM., M., U.							*				*	*				Mazon Creek. Westwood.
laceratus, "	LCM.											*	*				Johnstown.
pentadactyla, Daws.	MCM.													*			Sydney.
pinnatifidus, Lesq.	LCM.							*									St. John and Colchester (Coal No. 3).
spinosus, Göpp.	LCM.							*									Colchester (Coal No. 3).
stipulata, Gutbier.	LCM.							*									Morristown.
spec. nova, D. D. Owen.	LCM.	*															Frog's Bayou?
Knorria, Sternberg & Göppert, 1825.																	
distans, Newberry.	MCM.									*							Summit Co.
Hildrethi, "										*							
imbricata, Sternb.	L ^u , LCM.	*						*									Male's Coal Bank. Chester.
Selloni, "	MCM.												*				Sydney.
Taxina, Lindl. & Hutt.	LCM.									*							Cuyahoga Falls.
spec. indet. Lesq.																	Many.
Leioderma, Goldenberg. Asolanus. Wood.																	
Sydnensis, Dawson.	MCM.													*			Sydney.
Lepidodendron, Sternberg, 1821.																	
aculeatum, Sternb.	M. G., LCM, M, U									*	*	*	*	*	*		M'Kay's Head. Carbondale. Sydney.
<i>Eagenaria.</i>																	
binerve, Bunbury.	MCM.												*	*	*		Carbondale.
carinatum, Lesq.	LCM.												*	*	*		Carbondale.
elypeatum, "	MCM., U.							*					*	*	*		Rock Island Co. Joggins.
conicum, "	LCM.												*	*	*		Carbondale.
corrugatum, Daws.	LCM.												*	*	*		Horton. Norton Creek.
costatum, Lesq.	L ^u							*					*	*	*		Chester.
crenatum, Sternb.	LCM.								*				*	*	*		Zanesville. Summit Co. Lehigh Riv.
decurtatum, Daws.	MCM.												*	*	*		Pictou.
depressum, Göpp.	LCM.												*	*	*		Mauchunk.
dichotomum, Sternb.	LCM., M.												*	*	*		Joggins. Sydney.
dilatatum, Lindl. & H.	MCM.												*	*	*		"
diplogegoides, Goldf.	LCM.	*											*	*	*		Frog Bayou (below M. Grit).
distans, Lesq.	LCM.												*	*	*		Carbondale.
elegans, Brngn.	LCM., M., U.								*	*	*	*	*	*	*		Cuyahoga Falls. Stenson. Sydney.
forulatum, Lesq.								*	*	*	*	*	*	*	*		St. John's Town.
gigantum, "	LCM.												*	*	*		Carbondale.
gracile, Brngn.	LCM., M.								*	*	*	*	*	*	*		Cuyahoga Falls. Sydney.
Harcourtii, Witham.	MCM.												*	*	*		Sydney.
irregularis, Lesq.	LCM.	*											*	*	*		Male's Coal Bank.
majus, Brngn.	LCM.	*											*	*	*		Male's Bank, or Frog Bayou.
Mielecuii, Göpp.	LCM.												*	*	*		River Lehigh. Summit Co. [dale.
modulatum, Lesq.	LCM.	*						*					*	*	*		Male's Bank. Washington Co. Carbon-

EUROPE, &c.																			
Genus, Species, and Author.			Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIA-PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROPE.	UKRAINE.	AUTUM.	Locality.
longifolius, <i>Asterophyllites</i> .			LCM.			*													Park End. Forest of Dean.
Hydatia , Artis, 1826. Roots of			Calamites.— <i>Carruth.</i>																
columnaris, Artis.			MCM.			*													Elsecar, near Wentworth.
prostatia, „			MCM.			*													„ Yorkshire.
Hymenophyllites , Gopp., 1836.			Sphenopteris .																
alatus, Gein.			MCM., U.			*		*	*					*					Saarbruck. Pilsen.
<i>Sphenopteris</i> .																			
costae, Göpp.			?																Pedro da Cova (Portugal).
dissectus, „			L.M.Grit, UCM.			*	*	*		*	*	*	*	*					Newcastle. Waldenberg. Piesberg.
fureatus, Brugn.			L, MCM., U.	*	*	*	*	*		*	*	*	*	*					Glengool, Wardie, Newcastle, Roth- [waltersdorf, &c.
<i>Sphenopteris</i> .																			
Gersdorffii, Göpp.			Jüngste Grauw.				*			*									Thann. Landschut.
Partschii, Ettingsh.			LCM.							*									Radnitz.
patentissimus, „			LLS.							*			*	*	*	*	*	*	Altendorf.
Phillipsii, Göpp.			CM.							*			*	*	*	*	*	*	Pilsen Basin.
Quereifolius, „			LLS, LCM, UCM							*	*	*	*	*	*	*	*	*	Waldenburg. Altendorf.
Schimperiana, „			L, LCM.				*			*			*	*	*	*	*	*	Vosges. Thann. Rothwaltersdorf.
<i>Sphenopteris</i> .																			
stipulatus, Gutbier.			L, UCM.							*				*	*	*	*	*	Rothwaltersdorf. Zwickau.
Weissei, Schimp.			MCM.						*					*	*	*	*	*	Saarbruck (Judenschlag).
<i>Hymenophyllum</i> .																			
Huttonia , Sternb., 1837. Fruit			of Calamites.— <i>Car ruth.</i>																
arborescens, Sternb.			LCM.?												*	*			Rakonitz. Radnitz, &c.
earinata, Gernar.			MCM.								*	*	*	*	*	*	*	*	Wettin, Lobejun, Ulfeld, &c.
spicata, Sternb.			LCM.											*	*	*	*	*	Radnitz.
Jordania ?, Goppert & Feidler.																			
Bignonioides, Göpp. & Feidler.																			
oblonga, „																			
Knorria , Sternb. 1825. Internal casts			of <i>Lepidodendron</i> — <i>stem</i> s.																
Baillyana, Schimp.			LLS.	*															Kiltorkan Hill. Kilkenny Co. O.R.S.?
cervicornis, Ad. Röm.			LLS.								*	*	*	*	*	*	*	*	Lauterburg.
cylindrica, „			LLS.								*	*	*	*	*	*	*	*	Grund.
dichotoma, „			LLS.								*	*	*	*	*	*	*	*	?
fusiformis, Ad. Röm.			LLS.								*	*	*	*	*	*	*	*	Clausthal.
Gibbsii, ?																			
Göppertii, Ad. Röm.			LLS.								*	*	*	*	*	*	*	*	Lauterburg.
imbricata, Sternb.			MCM., U.			*										*	*	*	Newcastle. Artinsk.
Jugleri †, Ad. Röm.			LLS.								*	*	*	*	*	*	*	*	Clausthal.
mamillaris, Eichw.			LCM.								*	*	*	*	*	*	*	*	Slaboda. Government of Toula.
megastigma, Ad. Röm.			LLS.								*	*	*	*	*	*	*	*	Lauterburg.
polyphylla †, „			LLS.								*	*	*	*	*	*	*	*	Clausthal.
Sellonii, Sternb.			LCM.						*	*	*	*	*	*	*	*	*	*	Saarbruck. Radnitz.
Taxina, G. Tate.			MCM., U.			*					*	*	*	*	*	*	*	*	Newcastle, Styria, &c.
Lepidodendron , Sternb. 1821. Sa-			genaria, Brugn.																
acerosum †, Lindl.			LCM., U.?																Etherley. Coalbrook Dale.
aculeatum, Presl.			LLS., LCM., U.			*	*	*	*	*	*	*	*	*	*	*	*	*	Newcastle. Mons. Swina. Liblin.
affine, Unger.			UCM.?							*	*	*	*	*	*	*	*	*	Waldenburg.
<i>Sagenaria</i> .																			
alternans, Sauveur.			UCM.			*													Mons. Charleroi.
anglicum, G. Tate.			Tuedian			*													Stanhope (Durham).
attenuatum, Ad. Röm.			LCM.								*	*	*	*	*	*	*	*	Clausthal.
barbatum, „			MCM., U.							*	*	*	*	*	*	*	*	*	Osnabruck. Piesberg. Pilsen.
Bartlingi, „			UCM.						*	*	*	*	*	*	*	*	*	*	Piesberg.
Bischoffi, Göpp.			LLS., LCM.							*	*	*	*	*	*	*	*	*	Magdesprung. Lohna.
Bloedei, Fischer.			Jüngste Grauw.							*	*	*	*	*	*	*	*	*	Petrowskaja.
<i>Sagenaria</i> .																			
brevifolium, Ettingsh.			UCM.										*	*	*	*	*	*	Swina. Liblin.
Bucklandii, Brugn.			LCM.			*													Etherley. Coalbrook Dale.
carinatum, „			LLS.				*												Montrelais.
Carneggianum, Heer.			LLS. or LCM.						*	?	*	*	*	*	*	*	*	*	Bear Island. Spitzbergen (MSS.).
caudatum, Presl.			L							*	*	*	*	*	*	*	*	*	Clausthal.
<i>Sagenaria</i> .														*	*	*	*	*	
clathratum, Sauveur.			UCM.			*													Mons. &c.
caelatum, Brugn.			UCM.			*													„ Charleroi.
concinnum, Ad. Röm.			LLS.								*	*	*	*	*	*	*	*	Grund. Clausthal.
confluens, Sternb.			LLS.			*	*	*	*	*	*	*	*	*	*	*	*	*	Liège. Bosquet. Waldenburg. Pe-
Costaei, Sauveur.			UCM.			*	*	*	*	*	*	*	*	*	*	*	*	*	Mons. &c. [trowskaja.
crassifolium, Ettingsh.			Jüngste Grauw.								*	*	*	*	*	*	*	*	Radnitz?

† Synonyms of *Knorria imbricata*.

NORTH AMERICA.

Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Morrisianum,	Lesq.	LCM.							*									Morristown.
obovatum,	Sternb.	UCM.							*		*	*	*	*	*	*	*	Passim. Rock Island Co.
obscurum,	Lesq.	L'''							*									Carrol's Place.
obtusum,	"	LCM.							*					*				Carbondale.
oculatum,	"	LCM.												*				"
personatum,	Dawson.	MCM. ?													*	*	*	Sydney.
Pictouense,	"	MCM.													*	*	*	Passim. Newcastle Riv. (Grand L.).
plicatum,	"	MCM.																"
plumarium,	H. D. Rogers.	MCM.													*	*	*	Sydney.
politum,	Lesq.	LCM.									*	*						Crittenden Co. Union Mine.
primævum,	H. D. Rogers.	LCM.									*	*						Standing Creek, near Huntingdon.
quadratum ?,	Presl.														*	*	*	Joggins (Schimp. ii. 37).
radiato-plicatum,	Dawson.	Millstone Grit														*	*	
radicans,	Lesq.	MCM. ?							*							*	*	Duquoin (Perry Co.).
rectangulatum,	Worthen.												*	*	*	*	*	
rimosum,	Sternb.	LCM., M., U.										*	*	*	*	*	*	Joggins. Sydney.
rugosum,	"	LCM.										*	*	*	*	*	*	Etna Mines. Carbondale.
Rushvillense,	Andrews.	LCM.									*	*						Rushville (Perry Co.).
selaginoides,	Sternb.	MCM.													*	*	*	
sigillarioides,	Lesq.	LCM.												*	*	*	*	River Lehigh Summit.
simplex,	"	L'''							*									Chester.
Sternbergii,	Brngn.								*					*	*	*	*	&c. &c. (passim).
dichotomum.									*									
Tijouii,	Lesq.	MCM.							*									St. John's.
tumidum,	Bunbury.	MCM.													*	*	*	Sydney.
turbinatum,	Lesq.	L'''							*									Kaskaskia.
undulatum,	Sternb.	MCM., U.												*	*	*	*	Joggins. Pictou.
uracum,	H. L. Wood ?													*	*	*	*	
Veltheimianum,	Sternb.	L'''							*									Kaskaskia.
vestitum,	Lesq.	LCM.		*								*	*	*	*	*	*	James's Poteau. Sewanee. Wilkes-
Wortleni,	"	LCM.		*					*									Male's Bank ? Murphysboro'.
spec. indet.,	Dawson.	LCM.												*	*	*	*	Morton.

Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
crenatum,	Sternb.	UCM.				*	*	*	*	*	*	*	*	*				Mons. Liège. Eschweiler. Swina.
cucullatum,	Ad. Röm.	MCM., U.						*	*	*	*	*	*	*				Bochum, Piesberg, Rakonitz, &c.
cuneatum,	Sauveur.	UCM.				*	*	*	*	*	*	*	*	*				Mons. &c.
dichotomum,	Sternb.	LCM., U.				*	*	*	*	*	*	*	*	*				Piesberg, Hanover, Chomle, &c.
dilatatum,	Lindl.	LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*				Shotts, Newcastle. Mons. Bochum.
dissitum,	Sauveur.	UCM.				*	*	*	*	*	*	*	*	*				Mons. &c.
dubium,	Sternb.	UCM. [U.				*	*	*	*	*	*	*	*	*				Newcastle, Charleroi, &c.
elegans,	Brngn.	M.G., LLS., LCM.	*	*	*	*	*	*	*	*	*	*	*	*				Glengool. Wardie. Atherley. Nebrak.
elongatum,	Sauveur.	UCM.				*	*	*	*	*	*	*	*	*				Mons. Kamenskaya, Gov. Ecaterinb.
emarginatum,	Brngn.	CM.				*	*	*	*	*	*	*	*	*				Yorkshire.
erectum,	"	LLS.				*	*	*	*	*	*	*	*	*				Montrelais.
<i>Selaginites.</i>																		
exculptum,	König.	CM.			*									*				Petrowskaja (Kharkoff).
feuestratum,	Eichw.	MCM.												*				Mosstitz. Radnitz.
fusiforme,	Corda.	LCM.											*					Lauterthal.
geniculatum,	Ad. Röm.	Jüngste Grauw.								*	*	*	*	*				Wranowitz. Swina.
Göppertianum,	Ettingsh.	LLS.								*	*	*	*	*				Mons. &c.
Gibbosum,	Sauveur.	UCM.				*	*	*	*	*	*	*	*	*				Kamenskaya, Gov. Ecaterinb.
Glinkanum,	Eichw.	Black CL.												*				Ballingally. Coalbrook Dale. Hsen-
gracile †,	Lind. & Ad. Röm.	LLS., LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*				Chomle, &c. [brook.
Haidingeri,	Ettingsh.	LCM., U.											*	*				Carluke. Newcastle.
Harcourtii,	Lindl.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*				Dortmund Basin. Lauterthal.
hexagonum,	Göpp.	Jüngste Grauw.							*	*	*	*	*	*				Hoeerde. Piesberg. Hanover.
Hoffmanni†,	Ad. Röm.	MCM., U.						*	*	*	*	*	*	*				Mons. &c. Zellerfeld.
imbricatum,	Sternb.	LLS., MCM., U.				*	*	*	*	*	*	*	*	*				Kammernberg (Hsenburg).
Jascheri,	Ad. Röm.	LLS.						*	*	*	*	*	*	*				Liège, &c. Radnitz.
Laricinum,	Sternb.	UCM.				*	*	*	*	*	*	*	*	*				Clausthal.
limæformis,	Ad. Röm.	L'							*	*	*	*	*	*				Rothbury. Coalbrook Dale. Radnitz.
longibrachiatum,	Morris.	LCM.			*													Dortmund.
longifolium,	Brngn.	MCM., U.			*				*	*	*	*	*	*				Plass.
Loreiri,	"				*				*	*	*	*	*	*				Werden. Waldenburg.
Markii,	Roehl.	CM.							*	*	*	*	*	*				Liège, Mons. &c.
marginatum,	Presl.	MCM.							*	*	*	*	*	*				Desert of Sinai.
Mielikii,	Göpp.	MCM. ?							*	*	*	*	*	*				Possil. Atherley. Borowick Gov.
minutum,	Sauveur.	UCM.			*				*	*	*	*	*	*				?
mosaicum,	Salter.	CM.							*	*	*	*	*	*				Mons.
obovatum,	Sternb.	LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*				Valino (Gov. Toula).
gracile.	"								*	*	*	*	*	*				Jarrow. Newcastle.
var. b,	"								*	*	*	*	*	*				Newcastle. Mons. Liège.
obtusum,	Sauveur.	UCM.			*				*	*	*	*	*	*				Piesberg, near Osnaburg.
Olivieri,	Eichw.	MCM.							*	*	*	*	*	*				" Osnaburg.
ocephalum,	Lindl.	UCM.			*				*	*	*	*	*	*				Edinburgh.
ophiurus,	Brngn.	UCM.			*				*	*	*	*	*	*				Jarrow.
Osnaburgense,	Ad. Röm.	UCM.			*				*	*	*	*	*	*				?
Pagenstecheri,	"	UCM.			*				*	*	*	*	*	*				Lebach (Saarbruck). (Permian ?)
patens,	Brngu.	CM.	*						*	*	*	*	*	*				Alais. Mons. Liège.
patulum,	Bunbury.	LCM., M.			*				*	*	*	*	*	*				Saarbruck. Plass.
plumarium,	Lindl.	LCM.			*				*	*	*	*	*	*				Yorksh. Valenciennes. Waldenburg.
polyphyllum,	Ad. Röm.	MCM.			*				*	*	*	*	*	*				Saarbruck. Plass. [trowsk.
posthumum,	Wiess.	MCM. ?			*				*	*	*	*	*	*				Wardie. Mons. &c. Radnitz. Pe-
pulchellum,	Brngn.	UCM.			*	*	*	*	*	*	*	*	*	*				Essen and Mulheim (River Ruhr).
quadratum,	Presl.				*	*	*	*	*	*	*	*	*	*				Grund.
Rhodianum,	Sternb.	LCM.			*	*	*	*	*	*	*	*	*	*				
<i>Sagenaria.</i>																		
rhombicum,	Presl.	MCM.			*			*	*	*	*	*	*	*				Saarbruck. Plass. [trowsk.
rhinosum,	Sternb.	LLS., LCM.	*	*	*	*	*	*	*	*	*	*	*	*				Wardie. Mons. &c. Radnitz. Pe-
var. costatum,	Roehl.				*			*	*	*	*	*	*	*				Essen and Mulheim (River Ruhr).
Römerianum,	Göpp.	LLS., LCM.			*			*	*	*	*	*	*	*				Grund.
<i>Sagen. Volckm.</i>																		
rugosum,	Brngn.	UCM.			*				*	*	*	*	*	*				Mons. Liège.
selaginoides,	Sternb.	LLS., LCM., M.	*	*	*	*	*	*	*	*	*	*	*	*				Felling, Etherley, Schatzlar, &c.
Serlii,	Presl.	UCM.			*			*	*	*	*	*	*	*				Paulton (Somerset).
sexangulare,	Göpp.	MCM.			*			*	*	*	*	*	*	*				Ebersdorf. River Don.
squamosum,	"	L'			*			*	*	*	*	*	*	*				Falkenburg (Glatz Co.).
<i>tetragonum.</i>																		
Steinbeckii,	"	MCM.			*			*	*	*	*	*	*	*				Charlottenbrun. Waldenburg.
Sternbergii,	Brngn.	LLS., L', M.G. Grit.	*	*	*	*	*	*	*	*	*	*	*	*				Campsie. Ardwick. Mons. Swina.
		LCM., M., U.			*			*	*	*	*	*	*	*				
Suckovianum,	Geinitz.				*			*	*	*	*	*	*	*				Massen Mines, near Unna.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Lepidophloios , <i>Brongniart</i> , 1828.																	
Acadianus, Dawson.	M. Grit, MCM.													*	*		Joggins. Salmon River.
auriculatus, Lesq.	MCM.							*						*	*		St. John's.
crassicaulis, Brngn.	LCM.									*							Cuyahoga Falls.
irregularis, Lesq.	LCM.	*															Male's Bank (below Millstone Grit).
laricinus, Sternb.	LCM.	*						*		*							Frog Bayou. St. John's. Cuyahoga F.
lepidophyllæfolius, Gldnbrg.								*									Colchester. Duquoin.
Lesquereuxii, Andrews.	LCM.								*								Rushville (Perry Co.).
Mathewsi, Dawson.	?																?
obcordatus, "	LCM.						*										Duquoin and Colchester.
parvus, "	MCM.												*	*			Joggins. Sydney.
prominulus, "	MCM.												*	*			" Sydney.
platystigma, "	MCM.												*	*			" Sydney.
protuberans, Lesq.	LCM.						*										Morris Town.
Richardsoni, Dawson.																	North America.
rugosus, Lesq.	LCM.									*							Union Mines (Crittenden Co.).
tetragonus, Dawson.	MCM.												*				Joggins.
tunnidus, Bunbury.	MCM. ?												*				No locale given.
spec. indet., Bailey & Matth.													*				Jamseg. and Central New Brunsw.
Lepidophyllum , <i>Brongniart</i> , 1828.																	
acuminatum, Lesq.	CM.												*				John's Town.
affine, "	LCM.												*				New Philadelphia. Wilkesbarre.
auriculatum, "	MCM.							*					*				Morgan Town. St. John's.
brevifolium, "	LCM.	*						*	?				*				Frog Bayou. Wilkesbarre.
hastatum, "	UCM. ?									*			*				Greensburg.
intermedium, Lindl. & Hutt.	MCM.												*				Sydney.
lanceolatum †, "	UCM.	*											*	*			Lee Creek. Carbondale. Joggins.
majus, Brngn.	LCM., M.	*						*	?				*	*	*		Male's Coal Bank.
obtusum, Lesq.	LCM., M., U.												*				Not known.
plicatum, "	LCM.												*				Wilkesbarre.
trinerve †, Lindl. & Hutt.	UCM.												*				Joggins.
spec. indet., "	UCM.												*				Pictou.
Lepidostrobos , <i>Brongniart</i> , 1828. A Cone.																	
brachyphyllum, Brngn.			*														
hastifolius, Lesq.	LCM.							*					*				Mazon Creek. Greensburg.
lanceifolius, "	LCM.							*					*				Duquoin (concretions).
longifolius, Dawson.	MCM.												*				Joggins.
macrolepis, Newberry.	LCM.									*							Cuyahoga Falls.
oblongiformis, Lesq.	LCM.							*									Mazon Creek. Morris Town.
obtusus, "	LCM. ?									*							Massilon.
ornatissimus, Brngn.	LCM.									*							At Stenson.
ornatus, Lindl. & Hutt.	UCM.									*	*	*					Locality not given.
ovatifolius, Lesq.	LCM.							*									Mazon Creek. Grundy Co.
princeps, "	LCM.							*									Duquoin. Mazon Creek.
rotundatus, Dawson.																	
squamosus, "	MCM.												*	*	*		Grand Lake, &c.
trigonolepis, Bunbury.	MCM.												*	*	*		Joggins. Sydney.
variabilis, Lindl. & Hutt.	LCM., M.								*		*	*					" Pictou.
spec. indet., Dawson.	MCM.												*	*	*		"
" "	LCM.												*	*	*		Horton.

† A strobile of *Lepidophloios*.

EUROPE, &c.																	
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIA, PRUSSIA, WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
<i>tenerrimum</i> , Eichw.		LLS., LCM.							*	*				*			Government of Toula, &c.
<i>Bergeria</i> , Brngn.		UCM.		*													Glasgow.
<i>transversum</i> , Underwoodi,		LCM., U.			*												Anglesea.
<i>undulatum</i> , Sternb.		LCM., U.				*		*	*	*	*	*					Mons. Bochum. Piesberg. Radnitz.
<i>variabile</i> , Lindl.		LLS., LCM.		*													Slateford.
<i>vasculare</i> , Binney.		LCM.			*												Oldham.
<i>Veltheimianum</i> , Sternb.		LLS., LCM.	*	*	*	*	*	*	*	*	*	*					Magdeburg. Grund. Leobschut.
var. (<i>Knorria imbricata</i>),		LCM., M.		*	*	*	*	*	*	*	*	*					Newcastle. Altendorf.
spec. indet., Salter.		CL.			*												
Grüner.						*											
Lepidophloios , Sternberg, 1823.		Lomatophloios , Corda ?															
<i>acuminatus</i> , Weiss.		MCM., U.					*	*	*	*	*	*					Duttweiler. Altweiler.
<i>crassicaulis</i> , Corda.		LCM., M.	*	*			*	*	*	*	*	*					Saarbruck. Chomle.
<i>intermedius</i> , Gldnbg.		MCM.					*	*	*	*	*	*					"
<i>laricinus</i> , Sternb.		LCM., U.				*	*	*	*	*	*	*					" Alsace. Offenburg. Rad-
<i>lepidophyllæfolius</i> , Gldnbg.		LCM., M.				*	*	*	*	*	*	*					" [nitz.
<i>macrolepidotus</i> , "		LCM., M.				*	*	*	*	*	*	*					" Duttweiler. Hirschbach.
<i>obovatus</i> , "		LCM. ?				*	*	*	*	*	*	*					"
<i>principalis</i> , "		?				*	*	*	*	*	*	*		*			"
<i>Wunschiana</i> ?, Carruth.		Trappean ash	*														Laggan Bay (Isle Arran).
Lepidophyllum , Brongniart, 1828.																	
<i>binerve</i> , Ettingsh.		MCM., U.				*					*	*					Swina.
<i>dubium</i> , Brngn.				*							*	*					Newcastle.
<i>Glossopteris</i> .																	
<i>horridum</i> , Feistmntl.											*	*					Pilsen. Lubua.
<i>intermedium</i> , Lindl. & Hutt.		LLS., LCM., U.	*	*	*	*	*	*	*	*	*	*					Wardie. Burdie House. Shropsh.
<i>lanceolatum</i> , "		LLS., LCM., U.	*	*	*	*	*	*	*	*	*	*					Shotts, Montrelais, &c.
<i>lineare</i> , Brngn.		MCM.				*	*	*	*	*	*	*					Alais.
<i>majus</i> , "		UCM.			*	*	*	*	*	*	*	*					Camerton (Bath). Prilep Basin.
<i>trinerve</i> , Unger.		LCM., U.		*	*	*	*	*	*	*	*	*					Etherley. Montrelais.
<i>Veltheimianum</i> , Geinitz.		LCM.									*	*					Bethelsdorf. Sudetic Mountains.
Lepidostrobos , Brongniart, 1828.																	
<i>ambiguus</i> , Binney.		LLS., LCM.	*														Laggan Bay (Arran). Trap-ash.
<i>Bailyanus</i> , Schimp.		LLS.	*														Kiltorkan. Fruit of <i>Sigill. dichot.</i>
<i>Brongniarti</i> , Göpp.		CM.							*	*	*	*					In Sphaerosiderite. [(Carr.).
<i>Brownii</i> , Schimp.		CM.															Locale unknown.
<i>Collumbianus</i> , "		LLS.			*	*	*	*	*	*	*	*					Upper Vosges. Valley of Thann.
<i>comosus</i> , Lindley, &c.		LLS., LCM., M.	*														Carluk. Burdie House.
<i>Dabadianus</i> , Schimp.		CM.			*	*	*	*	*	*	*	*					Upper Garonne. (Drift.)
<i>dubius</i> , Binney.		LCM. or MCM.	*														Airdrie. (Black band.)
<i>fastigiatus</i> , Göpp.		MCM. ?				*	*	*	*	*	*	*					Waldenburg.
<i>Faudelii</i> , Schimp.		LSS.			*	*	*	*	*	*	*	*					Upper Vosges. Valley of Thann.
<i>Geinitzii</i> , "				*	*	*	*	*	*	*	*	*					passin.
<i>giganteus</i> , Göpp.		CM.				*	*	*	*	*	*	*					Branau. (Permian.)
<i>Goldenbergii</i> , Schimp.		MCM.			*	*	*	*	*	*	*	*					Saarbruck. Pilsen.
<i>Hibbertianus</i> , Binney.		LCM.	*								*	*					Burdie House.
<i>Hookeri</i> , Schimp.		Ferrug. nodules.	*														Wolverhampton.
<i>laevidentis</i> , Binney.		LCM. ?	*														Airdrie (in black band).
<i>Lycopodites</i> .																	
<i>lanceolatum</i> , Brngn.				*								*	*				Locality unknown.
<i>latus</i> , Binney.				*								*	*				Laggan Bay (Arran Isle).
<i>lepidophyllaceus</i> , Gutbier.		CM.		*								*	*				Not stated.
<i>ornatus</i> , Brngn.		LLS., LCM., M.	*									*	*				Barusley, Wolverhampton, &c.
<i>parvulus</i> , Schimp.		?										*	*				Locale unknown. [bruck.
<i>pinaster</i> , Lindl. & Hutt.		MCM. ?	*	*	*	*	*	*	*	*	*	*	*				Carluk. South Shields, &c. Osna-
<i>radians</i> , Schimp.		CM.	*	*	*	*	*	*	*	*	*	*	*				In Sphaerosiderite-nodule.
<i>Russellianus</i> , Binney.		LCM. ?	*									*	*				Airdrie (in black band).

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Lescuropteris , <i>Schimper</i> , 1869.											
Moorii, Lesq.	UCM.									*	Greensburg.
Lonchopteris , <i>Brongniart</i> , 1828.											
tenuis, Dawson.	MCM.									*	Sydney.
Lycopodites , <i>Brongniart</i> , 1822.	Branches and leaves.										
annulariaefolius, Lesq.	LCM.						*				Mazon Creek (Coal No. 3).
asterophyllitafolius, "	LCM.						*				"
cavifolius, "	LCM.							*			Coal 1B.
crassus, "	LCM.						*				Mazon Creek.
grandis, Sternb.	LCM.							*			Top Shale of Conglomerate.
Meekii, Lesq.	LCM.						*				Morris Town.
plumula, Dawson.	LLS.									*	Springville.
Stichlerianus, Göpp.	LCM.							*			Hawesville, Breckenridge, &c.
Megalopteris , <i>Dawson</i> .											
Hartii, Andrews.	LCM.							*			Rushville (Perry Co.).
lata, "	LCM.							*			" "
minima, "	LCM.							*			" "
ovata, "	LCM.							*			" "
Megaphytum , <i>Artis</i> , 1826.	Stems of Ferns.—Lesq.										
Allani, Brngn.	L"						*				Carrol Mines (Pope Co.).
discretum, Newberry.	LCM.							*			Cuyahoga Falls.
humile, Daws.	MCM.									*	Sydney.
Maclayi, Lesq.	LCM.						*				St. John's.
magnificum, Daws.	MCM.									*	Joggins.
protuberans, Lesq.	L"						*				Kaskaskia.

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Nephropteris. See Cyclopteris.											
Neriopteris , Newberry, 1873.											
<i>lanceolata</i> , Newberry.	LCM.							*			Youngstown, &c.
Neuropteris , Brongniart, 1828.											
<i>acutifolia</i> , Brngn.	MCM.									*	Wilkesbarre. Sydney.
<i>Adiantites</i> , Lesq.										*	Locale unknown.
<i>anomala</i> , " "	LCM.							*			Morristown.
<i>attenuata</i> , Lindl. & H.	MCM.									*	Sydney.
<i>auriculata</i> , Brngn.	MCM., U.									*	" "
<i>capitata</i> , Lesq.	LCM.						*	*			Murphysboro'. Yellow Creek.
<i>Cistii</i> §, Brngn.	LCM.									*	Wilkesbarre, Port Carbon, &c.
<i>Clarksoni</i> §, Lesq.	LCM.						*	*	*		Mazon Creek. Grundy Co.
<i>Collinsii</i> , " "	LCM.						*	*			Well's Bank.
<i>conjugata</i> , Göpp.	MCM.									*	Sydney.
<i>coriacea</i> , Lesq.	LCM.						*				Mazon Creek. Grundy Co.
<i>cordata</i> , Brngn.								*		*	Pictou. Sydney.
<i>var. angustifolia</i> , Bunb.	UCM.									*	Sydney.
<i>crenulata</i> , Daws., Brngn.	LCM.									*	Pottsville. Tamaqua.
<i>cyclopteroides</i> , Daws.	MCM.									*	Sydney.
<i>decipiens</i> , Lesq.	LCM.						*				Mazon Creek. Grundy Co.
<i>delicatula</i> , " "	LCM.						*	*		*	Port Carbon. Pottsville.
<i>dentata</i> §, " "	LCM., M.						*	*	*	*	Sydney.
<i>Desori</i> §, " "	LCM., U.						*	*	*	*	Mazon Creek. Westwood.
<i>Evenii</i> , " "	LCM.						*	*			" "
<i>fasciculata</i> , " "	LCM.						*	*			Neelyville. Mazon Creek.
<i>fimbriata</i> , " "	LCM.†	*					*				Jenny Lind Prairie. Mazon Creek.
<i>fissa</i> , " "	MCM.							*	*	*	Gate vein. Pottsville.
<i>flexuosa</i> , Brngn.	LCM., M., U.	*					*	*	*	*	Murphysboro', Joggins, Sydney, &c.
<i>gibbosa</i> §, Lesq.	LCM.						*	*	*	*	Mazon Creek.
<i>gigantea</i> , Sternb.	MCM., U.						*	*	*	*	Zanesville. Pictou. Sydney.
<i>Grangeri</i> §, Brngn.	UCM.						*	*	*	*	Port Carbon.
<i>heterophylla</i> , " "	LCM.						*	*	*	*	Rock Island Co., Pictou, Sydney, &c.
<i>hirsuta</i> §, Lesq.	LCM., M., U.	*	*				*	*	*	*	Jenny Lind Prairie. Murphysboro'. [Hawesville.]
<i>cordata</i> , " "	LCM.						*				Mazon Creek.
<i>inflata</i> , Newberry.	LCM.						*	*	*	*	Cuyahoga Falls.
<i>lancifera</i> , Brngn.	LCM., M., U.		*				*	*	*	*	Pottsville. Salmon Creek.
<i>Loshii</i> , " "	LCM.						*	*	*	*	Wilkesbarre.
<i>microphylla</i> §, Lesq.	LCM., U.						*	*	*	*	Tamaqua.
<i>minor</i> , " "	UCM.						?	*	*	*	Greenburgh.
<i>Moorii</i> , " "	LCM.						*	*	*	*	Mazon Creek.
<i>pachyderma</i> , Daws.	MCM.						*	*	*	*	Sydney.
<i>perelegans</i> , Sternb.	LCM.						*	*	*	*	Mazon Creek. Pottsville.
<i>plicata</i> , Bunb.	LCM.						*	*	*	*	Mauchunk. Spring Hill.
<i>rarinervis</i> §, " "							*	*	*	*	Gate vein. Port Carbon.
<i>Rogersi</i> §, Lesq.	UCM.						*	*	*	*	Grayville. White Co.
<i>rotundifolius</i> §, Brngn.	UCM.						*	*	*	*	Wilkesbarre.
<i>Scheuchzeri</i> , Hoffman.	LCM.						*	*	*	*	Shamokin.
<i>smilacifolia</i> , Sternb.	LCM.						*	*	*	*	Sydney.
<i>Soretii</i> , Brngn.	MCM.						*	*	*	*	Gate vein. Port Carbon.
<i>speciosa</i> , Lesq.	UCM.						*	*	*	*	Lee Creek. Grayville. Colchester.
<i>tenuifolia</i> §, Brngn.	LCM.	*					*	*	*	*	Gate vein.
<i>tenuinervis</i> , Lesq.	MCM., U.						*	*	*	*	Middleport. Gate vein.
<i>undans</i> , " "	UCM.						*	*	*	*	Mazon Creek.
<i>verbenæfolia</i> , " "	LCM.						*	*	*	*	" "
<i>vermicularis</i> , " "	LCM.	*					*	*	*	*	James's Fork of Poteau.
<i>vermiculata</i> , " "	LCM.	*					*	*	*	*	" "
<i>Villiersi</i> , Brngn.	LCM.						*	*	*	*	Murphysboro'. Jackson Co.
<i>Voltzii</i> , " "	MCM.						*	*	*	*	Pictou.
<i>spec. indet.</i> , C. A. White.	MCM.						*	*	*	*	" "
" Bailey & Matthew.	UCM.						*	*	*	*	Salmon Creek.

† The LCM. of Arkansas are below millstone grit.

§ Species of the subgenus *Euneuropteris*.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Myelopithys , <i>Corda</i> , 1845.																	
medullosa, <i>Corda</i> .																	Mülhausen.
Myriophyllites , <i>Sternb.</i> , 1823.	Bechera. Roots of <i>Calamites</i> .																
dubius, <i>Sternb.</i>	LCM.			*				*									Essen (River Ruhr).
gracilis, <i>Artis.</i>	LCM.			*				*									Elsecar (Yorkshire). Felling.
Naia dities , <i>Dawson</i> , for Carboniferous fossils (see <i>Salter</i>).	MCM.	A	ca	di	an	Geo	l.)										(Liassic.— <i>Morris</i> .)
Nephropteris . See Cyclopteris .																	
Neuropteris , <i>Brongniart</i> , 1828.																	
acuminata §, <i>Schloth.</i>	LCM., MCM., U.			*				*	?								Felling. Schmalkalden. Dickeberg.
acutifolia §, <i>Brngn.</i>	MCM., U.			*		*	*	*	*		*	*	*	*			Bath. Zalenza. Miroschau. Wettin.
																	Lubejun. Zwickau.
adnata, <i>Göpp.</i>	LCM., M., U.														*		Locale not stated. In hard red clay.
affinis §, <i>Guthier.</i>	MCM.												*				Zwickau.
angustifolia, <i>Brngn.</i>	UCM.			*	*			*				*					Mons. Charleroi. Chomle.
angulata, <i>Sternb.</i>	LCM.			*													(Kirby and Duff). Etherley.
antecedens, <i>Stur.</i>	LLS.										*						Sudetic Mountains.
appendiculata, <i>Sauveur.</i>	UCM.			*													Mons. &c.
attenuata, <i>Lindl. & H.</i>	UCM.			*													Etherley.
auriculata, <i>Brngn.</i>				*	*	*	*	*	*	*	*	*	*	*			St. Etienne. Waldenburg. Rakonitz.
Bohemica, <i>Ettingsh.</i>	LCM., M., U.										*	*	*	*			Radnitz.
Brongniarti, <i>Sternb.</i>	MCM.							*									Saarbruck.
Cistii, <i>Brngn.</i>	M. Grit, LCM.							*									River Ruhr.
conferta, " <i>LLS.</i>								*									Ottendorf.
conformis, <i>Eichw.</i>	MCM.													*			Lougan. Govern. Ecaterinoslau.
cordata §, <i>Brngn.</i>	M.G., LCM, M, U			*	*	*	*	*	*	*	*	*	*	*			Bideford, Alais, &c.
coriacea, <i>Ettingsh.</i>	CM.							*				*					Lisek Basin.
crenulata §, <i>Brngn.</i>	LCM., M., U.						*										Saarbruck.
decurrens, <i>Sternb.</i>	CM.					*											Deux Ponts (Bavaria).
densifolia, <i>Ad. Röml.</i>	UCM.								*	?							Zorge. Elzebachthal.
Dickeburgensis, <i>Sternb.</i>	MCM.						*	*	*	*	*	*	*	*			Ibbenbüren.
distans, <i>Brngn.</i>	LCM.						*	*	*	*	*	*	*	*			Eschweiler.
Escheri, <i>Heer.</i>					*												Savoy?
flexuosa §, <i>Sternb.</i>	M.G., LCM, M, U	*	*	*	*	*	*	*	*	*	*	*	*	*			Mons. Hörde, Radnitz, &c.
var. tenuifolia, <i>Brngn.</i>	MCM.			*	*	*	*	*	*	*	*	*	*	*			La Roche Macet, &c. &c. [&c.
gigantea §, <i>Sternb.</i>	LLS, LCM, M, U	*	*	*	*	*	*	*	*	*	*	*	*	*			Airdrie, Etherley, Mons, Saarbruck, [&c.
Grangeri §, <i>Brngn.</i>	MCM.			*	*	*	*	*	*	*	*	*	*	*			Ibbenbüren. [Altendorf.
heterophylla §, " <i>LLS, LCM, M, U</i>		*	*	*	*	*	*	*	*	*	*	*	*	*			Kilmaurs. Bideford. Liège. Zorge.
ingens, <i>Lindl. & H.</i>	LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*	*			Etherley. Yorkshire. Jarrow.
Leberti, <i>Heer.</i>				*													D'Erbignon (Savoy).
lithosmunda, <i>Lindl.</i>	LLS [&c.							*									Landschut. [chum. Chomle.
Loshii §, <i>Brngn.</i>	LLS, M, G, LCM,	*	*	*	*	*	*	*	*	*	*	*	*	*			Campbell Town. Etherley. Mons. Bo-
macrophylla §, " <i>MCM.</i>				*	*	*	*	*	*	*	*	*	*	*			Savoy. Liège. Waldenburg.
microphylla, " <i>LCM., U.</i>				*	*	*	*	*	*	*	*	*	*	*			Waldenburg.
Martini, <i>Sternb.</i>	LCM.			*													Chesterfield. Alfreton.
mirabilis, <i>Rost.</i>	UCM.			*	*	*	*	*	*	*	*	*	*	*			Zorge. Ibbenbüren. Elzebachthal.
ovata, <i>Sternb.</i>	MCM. ?											*	*	*			Miroschau. Wranowitz.
plicata, " <i>Ad. Röml.</i>	UCM.							*			*	*	*	*			Aplerbeck. Miroschau.
Regina, <i>Lindl. & H.</i>	LCM.			*						*	*	*	*	*			Zorge.
repanda, <i>Brngn.</i>	MCM.			*	*	*	*	*	*	*	*	*	*	*			Jarrow (Morris).
rotundifolia, <i>Sternb.</i>	LCM. ?			*	*	*	*	*	*	*	*	*	*	*			Du Plessis (Dept. Caloados). Essen.
rubescens §, <i>Hoffm.</i>	UCM.			*	*	*	*	*	*	*	*	*	*	*			Radnitz. Plass.
Scheuchzeri, <i>Brngn.</i>	LCM., M., U.			*	*	*	*	*	*	*	*	*	*	*			Mons. Charleroi, Osnabruck, &c.
Soretii §, <i>Sternb.</i>	MCM.			*				*									Etherley. Tarentaise (Savoy).
smilacifolia, <i>Ettingsh.</i>	CM.							*									Felling. Schmalkalden. Dickeburg.
squarrosa, <i>Sternb.</i>	M. Grit, LCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*			[&c.
tenuifolia §, " <i>MCM. &c.</i>				*	*	*	*	*	*	*	*	*	*	*			Montrelais, Charleroi, Hörde, Lisek,
thymeifolia, <i>Brngn.</i>	LCM.			*													Felling Colliery.
Villiersi, " <i>Brngn.</i>	LCM.			*													Mines of Alais.

Species marked § belong to the subgenus *Euneuropteris*, Schimper, Pal. Végét. p. 432. The subgenus *Neuropteridium* is almost wholly in New Red Sandstone.

NORTH AMERICA.										
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	LOCALITY.
Nöggerathia , Sternberg, 1821.										
Beinartiana, Göpp.	Kinderh.							*		Cuyahoga Falls.
<i>Cyclopteris</i> .										
dispar, Daws.	MCM.									* Sydney.
flabellata, Lindl. & H.	MCM.									* "
minor, Lesq.	.....									?
microphylla, Newb.	Kinderh.							*		Cuyahoga Falls.
obovata, Carruth.	.....								*	
obtusa, Lesq.	Kinderh.								*	
Odontopteris , Brongniart, 1828.										
æqualis, Lesq.	LCM.						*			Mazon Creek.
alata, " UCM.	.....								*	Tremont (red ash).
alpina, Presl.	MCM. ?								*	Schuylkill (Anthracite).
antiqua, Daws.	.....								*	Hope.
Brardii, Brngn.	LCM.	*							*	Mount Hope. Mauchunk.
crenulata, " UCM.?	.....								*	Tremont. New vein.
delicatula, Lesq.	CM.								*	Salem vein. Port Carbon.
dubia, " CM.	.....								*	Locale unknown.
gracillima, Newb.	LCM.						*			Youngtown.
heterophylla, Lesq.	LCM.						*	*		Murphysboro', &c.
intermedia, " LCM.	.....	*							*	Jenny Lind Prairie. [town.]
Neuropteroides, Newb.	LCM.						*			Cuyahoga Falls. Mill Creek. Young-
Schlotheimii, Brngu.	LCM., M., U....						*		*	Mazon Creek. Pictou. Sydney.
squamosa, Lesq.	LCM.								*	Shamokin. Pottsville.
subcuneata, Bunb.	LCM., M.						*		*	Mazon Creek. Sydney.
Wortheni, Lesq.	LCM.						*			" (Coal No. 3).
new spec., D. D. Owen?	CM.							*	?	?
Oligocarpus , Göppert, 1841.										
Gutbieri, Göpp.	LCM.						*			Mazon Creek.
Pachyphyllum , Lesquereux? Schizopteris , auct.										
affine, Lesq.	UCM. ?								*	Salem vein. Pottsville.
fimbriatum, " UCM.?	.....							*	*	" "
hirsutum?, " LCM.	.....						*		*	Mazon Creek. Grundy Co. Gate vein.
<i>Rhacophyllum</i> .										
laceratum, " LCM.	.....								*	John's Town.
lactuca, " LCM.	.....								*	Gate vein. New Philadelphia.
<i>Schizopteris</i> , Sternb.										
robusta, Newberry.	LCM.						*			Cuyahoga Falls.
Palæopteris , Geinitz. A tree fern.										
acadica, Daws.	UCM.								*	Pictou.
Harttii, " MCM.	.....								*	Spring Hill. Grand Lake.
Palæoxylon .										
spec. indet., Cox.	MCM.						*			

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Nöggerathia , <i>Sternberg</i> , 1821.																	
abscissa, Göpp.	LLS.							*									Kittlewitz. Leobschutz.
æqualis, "	LLS., LCM.							*							*		The Salair Mountains (yellow clay).
Beinertiana, "	UCM.						*	*		*		*					Ilfeld. Piesberg. Lisek Basin.
crassa, "	UCM.							*		*		*					Piesberg. Zorge.
dichotoma, "	LLS.							*									Werden, on River Ruhr.
distans, "	LSS., LCM.							*							*		Salair Mountains (yellow clay).
Duckeriana, Roehl?	MCM.							*									Gelsenkirchen.
flabellata, Hindl. & H.	LCM., M., U.	*	*						*								Etherley. Yarrow. Piesberg.
foliosa, Sternb.	CM.										*						Beraun (schist). Rakonitz.
intermedia, Fstmitl.	LCM.										*						Rakonitz. Radnitz.
obliqua, Göpp.	L/, LCM.								*		*						Falkenberg (Glatz). Radnitz.
ovata, "	LLS.								*		*						Kittlewitz. Altwasser.
palmaeformis, "	LLS., LCM.					*	*	*	*	*	*	*	*				Langeac. Piesberg. Mohradorf. &c.
Ruckeriana, "	LSS., LCM.							*	*	*	*	*	*	*	*	*	Leobschutz. Leisnitz. Wranowitz.
speciosa, Ettingsh.	MCM. ?								*		*	*	*				Wranowitz. Radnitz.
sulcata, Ad. Röm.	MCM.					*		*	*	*	*	*	*				Piesberg. Osnaburg. Zorge.
spec. indet., "									*								?
Nöggerathia—Strobus , <i>Feistmantel</i> , 1874.																	
Bohemicus, O. Fstmitl.	LCM.											*					Rakonitz. Radnitz.
Odontopteris , <i>Brongn.</i> 1828. (Leaves without mid ribs.)																	
appendiculata, Sauveur.	UCM.				*												Mons. Charleroi.
bifurcata, Sternb.	CM.										*						Lubna, near Rakowitz.
Brardii, Brngn.	LCM., U.				*	*											St. Etienne. Mons. Liège.
Britannica, Sternb.	CM.			*			*				*	*					Camen. Dortmund. Oberhausen.
Cœmansii, Andraea.	MCM.						*										Saarbruck.
connata, Ad. Röm.	UCM.								*								Piesberg. Osnaburg.
crenulata, Brngn.	MCM.				*	*											Terrasson. Saarbruck.
Hereynica, Ad. Röm.	MCM. ?								*								Ilfeld. Zorge.
lingulata, Schimp.	LCM.		*								*	*					Kilbrides. Gleben. Wettin.
minor, Brngn.	LCM., M. ?			*		*							*	*			St. Etienne. Le Lardin.
Munsteri, Eichw.	MCM.													*	*		Donitz. Lougan.
<i>Dictyopteris</i> .																	
neuropteroides, Ad. Röm.	UCM.					*	*	*	*								Osnaburg. Piesberg.
oblata, Brngn.	MCM.				*	*	*	*	*					*			River Don.
obliqua, "	MCM.				*	*	*	*	*								Sulback.
oblongifolia, Ad. Röm.	MCM. ?								*								Piesberg by Osnaburg.
obtusa, Brngn.	MCM.		*	*	*	*	*	*	*	*	*	*	*				Coalbrook Dale. Terrasson.
obtusiloba, Swan & Naumann.	LLS.						*	*	*	*	*	*	*				Camen. Pilsen. Rakonitz.
Reichiana, Gutb.	LCM.						*	*	*	*	*	*	*				Zwickau.
Schlotheimii, Brngn.	MCM., U.		*	*	*	*	*	*	*	*	*	*	*				Stafford. Bousquet. Mannebach, &c.
Schultzii, Ferd. Röm.	UCM.						*	*	*	*	*	*	*				Rakonitz. Zorge. Elzebachthal.
Sternbergii, Steinb.	MCM.					*	*	*	*	*	*	*	*				Borschweiler.
Stichleriana, Göpp.	MCM. ?					*	*	*	*	*	*	*	*				Schwalbach.
Winteriana, Weiss.	UCM.					*	*	*	*	*	*	*	*				Saarbruck.
Oligocarpus , <i>Göppert</i> , 1841.																	
Gutbierii, Göpp.	MCM. ?												*				Zwischau (in white schist).
Otopteris , <i>Lindley & H.</i> 1833.																	
? dubia, Lindl. & H.	CM.		*														Knowlsbury.
Pachyphyllum . See Schizopteris , <i>Brngn.</i> 1830.																	
Palæopteris , <i>Geinitz</i> . Tree fern.																	
Bockschi, Göpp.	LLS.							*									Hausdorf. Rothwaltersdorf.
inaequilaterialis, Ettingsh.	LCM.										*						Stradonitz.
Reussii, Schimp.	LCM.							*									Rothwaltersdorf.
Palæospathe , <i>Unger</i> , 1845. Bud-sheath of Palm.																	
Sternbergii, Unger.	MCM. ?										*						Swina.
Palmacites , <i>Sternb.</i> 1838. Nöggerathia .																	
astrocariiformis, Sternb.	MCM.		*								*						Coalbrook Dale. Radnitz.
carbonigerus, Corda.	LCM.										*						Radnitz.
caryotoides, Sternb.	UCM.										*						Swina (sand and shale).
crassinervius, Sndbrgr.						*		*	*	*	*	*	*				Baden.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Pecopteris , <i>Brongniart</i> , 1828.	Aspidites , <i>Göpp</i> p.																Cyatheites , <i>Göpp</i> .
abbreviata, Brngn.	LCM., M., U.												*	*	*		Trevorton. Pictou. Salmon River.
acuta, "	MCM., U.												*	*	*		Dunquoin. St. John's.
æqualis, "	MCM.							*					*	*	*		" Sydney? [nigash.
arborescens, "	LCM., M., U.							*	*	*	*	*	*	*	*		Warren. Pottsville. Pictou. Mimi-
arguta, Sternb.	UCM.							*		*		*	*	*	*		Pomeroy. Pottsville.
aspera, "	LCM.							*					*	*	*		Morris Town.
Bucklandii, Brngn.	MCM.												*	*	*		Sydney.
(a) callosa, Lesq.	LCM.							*					*	*	*		Murphysboro'.
(C) Cistii, Brngn.	LCM.							*					*	*	*		Mazon Creek. Wilkesbarre.
(C) concinna, Lesq.	UCM. ?											*	*	*	*		Gate vein. Pottsville.
cyathæa, Brngn.	MCM., U. ?											*	*	*	*		" Sydney.
decurrens, Lesq.	MCM.											*	*	*	*		" "
alata.																	
discrepans, Dawson.	.....														*	?	
(C) distans, Lesq.	LCM. ? , U.											*	*	*	*		Muddy Creek. Pottsville.
dubia, "	UCM.											*	*	*	*		" Gate vein.
elliptica, Bunbury.	LCM., U.								*		*	*	*	*	*		Zanesville.
gigantea, Göpp.	.....											*	*	*	*		
Hallii, Lesq.	LCM.							*					*	*	*		Mazon Creek. Grundy Co.
heterophylla, Brngn.	MCM.								*		*		*	*	*		
incompleta, Lesq.	UCM. ?											*	*	*	*		Pottsville.
inflata, Newberry.	LCM.								*		*		*	*	*		Cuyahoga Falls.
latirhachis, "	LCM.								*		*		*	*	*		" "
lepidorhachis, Brngn.	LCM.							*				*	*	*	*		Mazon Creek.
Lesqueropteris, Schimp.	.....											*	*	*	*		
lonchitica, Brngn.	CM.									*		*	*	*	*		Union Mines. Crittenden Co.
longifolia, "	MCM.											*	*	*	*		Sydney (Bunbury).
<i>Diplazites</i> .																	
(a) Loshii, "	MCM.											*	*	*	*		Salem vein. Archibald.
Miltoni, "	.....										*	*	*	*	*		Hopkins Co.
Moorei, Schimp.	UCM.											*	*	*	*		Greensburg.
<i>Lescuropteris</i> .																	
Murryana, Brngn.	.....							*				*	*	*	*		Mazon Creek (oolitic in Europe).
nervosa, "	MCM.											*	*	*	*		Sydney.
Nesleriana, Lesq.	.....											*	*	*	*		
Newberryi, "	LCM.							*				*	*	*	*		Mazon Creek. Morris Town.
(C) notata, "	MCM., U.								*		*	*	*	*	*		Port Carbon. Pottsville.
oreopteroides, Brngn.	LCM., M., U.							*		*	*	*	*	*	*		Mazon Creek, Gate vein, &c.
ovata, "	UCM.										*	*	*	*	*		New vein (Tremont).
parvifolia, Newberry.	LCM.								*		*		*	*	*		Cuyahoga Falls.
pennæformis, Brngn.	LCM.								*		*		*	*	*		Trevorton.
Perleyi, Hartt.	LLS.											*	*	*	*		
Plucknettii, Brngn.	LCM.							*				*	*	*	*		Mazon Creek (in Sphaerosiderite).
plumosa, "	LCM., U.							*	*	*	*	*	*	*	*		Cuyahoga Falls.
polymorpha, "	LCM., M., U.							*	*	*	*	*	*	*	*		Grayville, Pottsville, &c. Sydney.
preciosa, Hartt.	LLS. ?											*	*	*	*		St. John's.
pteroides, Brngn.	LCM., M.							*				*	*	*	*		Mazon Creek. Sydney.
(a) pusilla, Lesq.	LCM., M., U.											*	*	*	*		Salem vein. Pottsville.
rigida, Dawson.	UCM.											*	*	*	*		Pictou.
Serlii, Brngn.	LCM.											*	*	*	*		Wilkesbarre.
(A) serrula, Lesq.	.....											*	*	*	*		Gate vein. Pottsville.
<i>Alethopteris</i> .																	
Sheaferii, "	LCM.											*	*	*	*		M ^c Kean Co.
Sillimani, Brngn.	MCM.								*		*	*	*	*	*		Zanesville. Sydney.
squamosa, Lesq.	LCM.							*				*	*	*	*		Mazon Creek. Colchester.
Strongii, "	LCM.							*				*	*	*	*		" Morris Town schist.
taeniopteroides, Bunbury.	MCM.											*	*	*	*		Sydney.
(C) velutina, Lesq.	LCM.											*	*	*	*		John's Town.
vestita ?, "	.....							*				*	*	*	*		
villosa, Brngn.	MCM.											*	*	*	*		Pictou.
unita ? (2 varieties), "	UCM.											*	*	*	*		" S. Salem vein. Pottsville, &c.
spec. indet., C. A. White.	MCM. ?					*						*	*	*	*		

EUROPE, &c.																		
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.	
Pecopteris , <i>Brongniart</i> , 1828.	Aspidites , <i>Göpp</i> p.																	Alethopteris , <i>Sternb.</i>
(C) abbreviata, Brngn.	M.Gt., LCM., M.,	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kilmaurs, Coalbrook Dale, Anzin, &c.
(a) acuta, " "	MCM. ....[U.					*	*	*	*	*	*	*	*	*	*	*	*	Saarbruck.
(C) adiantoides, Lindl. & Hutt.	MCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bathgate. Coalbrook Dale.
æqualis, Brngn.	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Fresnes. Valenciennes.
affinis, " "	CM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	St. Etienne.
(A) alethopteroides, Ettingsh.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Swina.
amœna, Sauveur.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Mons. Liège.
angustifida, Ettingsh.	UCM. ?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Mosstitz.
angustissima, Brngn.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Swina.
arborescens, Schloth.	LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Mons &c. Zorge.
<i>platyrhachis</i> .																		
(a) arguta, Sternb.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Saarbruck.
aspidioides, Brngn.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Mons. Terrasson (Dordogne).
(a) aspera, " "	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Montrelais. Steele (River Ruhr).
(a) bifurcata, Sternb.	LCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Mons. Charleroi. Saarbruck. Rad-
(a) Biotii, Brngn.	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	St. Etienne. [nitz.
Bohemica, Ettingsh.	CM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	No locale.
? brachyloba, Sauveur.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Liège. Mons.
(a) Bredovii, Germar.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Wettin.
Brongniartiana, Presl.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Newcastle-on-Tyne.
(C) Candolleana, Brngn.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	St. Etienne.
caudata, Lindley.	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Yarrow.
chærophylloides, Brngn.	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Manchester, &c.
conjugata, Göpp.?	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Waldenburg.
crenulata, Sauveur.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Saarbruck.
(A) crispata, Göpp.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Charlottenburg.
cristata, Brngn.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Saarbruck. Pappenberge.
(<i>Sphenopteroides</i> .)																		
cyathæa, " "	LCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Mons. St. Etienne. Mannebach.
(A) cyathæoides, Schimp.	CM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Schwarzwalde (Landschut).
(A) Danaæoides, Göpp., Unger.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Charlottenbrun.
debilis, Sternb.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Charleroi. Radnitz.
decurrens, Ad. Röm.	UCM.?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Piesberg by Osnaburg.
(C) Defranci, Brngn.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Saarbruck.
delicatula, " "	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Fresnes. Saarbruck.
(C) dentata, " "	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Manchester, Dournay, Saarbruck, Ilfeld, &c.
<i>Sphenopteroides</i> .																		Waldenburg.
(A) divaricata, Göpp.	MCM.?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Waldenburg.
(a) Edgeii, Bailly.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Landshut.
(a) elongata, Göpp.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Waldenburg.
(A) Erdmengeri, " "	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	"
(A) fastigiata, Sternb.	LCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Wranowitz. Radnitz.
gigantea, Schloth.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Mons. Charleroi.
Glockerana, Göpp.	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Radnitz.
(a) Güntherii, " "	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Waldenburg.
Hannonica, Sauveur.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Mons. Liège.
(A) hemitelioides, Brngn.	LCM., M.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	St. Etienne. Saarbruck.
(A) heterophylla, Göpp.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Mons. Herbede. Charlottenbrun.
Hoffmanni, Sauveur.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	" &c.
integra, Germar.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Wettin.
(a) Jägeri, Göpp.	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Landshut. Waldenburg.
laciniata, Lindley.	LCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Crossford. Jarrow. Etherley.
lanceolata, Sternb.	LCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Mannebach.
Lemuriana, Heer.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Savoy.
Lindæoides, Ettingsh.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ilfeld. Zorge.
longifolia, Brngn.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ilfeld. Zorge.
(<i>Diplazoides</i> .)																		
(a) Loshii, " "	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Carluke (bituminous shale).
marginata, " "	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Newcastle. Alais.
(a) microcarpa, " "	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	India.
mucronata, Sternb., Artis.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Swina.
multiformis, Sauveur.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Liège. Mons. [Mosstitz, &c.
(a) muricata (2 vars.), Brngn.	LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Airdrie, Coalbrook Dale, Mons, Anzin, &c.
(a) nervosa, " "	LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Swina. [Saar-
var. macrophylla, " "	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Saarbruck. [bruck, &c.
(a) var. microphylla, " "	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bingley (Lancashire). Saarbruck.
var. oblongata, " "	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Liège.
Nesleriana, " "	?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Strasbourg Museum. No locale.

Pecopteris has four subgenera:—*Cyathoides* (marked C), *Aspidites* (a), *Asplenites* (A), *Aerosteichides* (B). Schimp. i. 499 &c.

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Phyllopteris , <i>Brongniart</i> . antiqua, Dawson.	MCM. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	Sydney.
Pinnularia , <i>Lindley and Hutton</i> , calamitarium, Lesq. capillacea, Lindl. & Hutt. confervoides, Lesq. crassa?, Dawson. fucoides, Lesq. horizontalis, " pinnata, " ramosissima, Dawson.	1833. Roots of MCM. LCM. LCM. MCM.	<i>C</i>	<i>a</i>	<i>m</i>	<i>i</i>	<i>t</i>	<i>e</i>	<i>s</i>	.	.....	.....	.....	*	.....	.....	.....	Sydney. Passim. Horton. Mazon Creek. Grundy Co. Joggins.
Pinus , <i>Linnæus</i> , 1758. Bathursti, Heer. Poacites , <i>Schlotheim</i> , 1820. lanceolata, Brugn.	LLS. .... ..... .....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Also in the Arctic seas. Zanesville.

EUROPE, &c.																			
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAL.	Locality.	
(C) nodosa ?, obliqua, <i>Alethopteris.</i>	Göpp. Brugn.	MCM. LCM.			*		*			*				*					Waldenburg. Oldham. Anzin. Wettin.
(A) Ophiidermatica,	Göpp.	MCM.								*									Waldenburg.
(C) Oreopterides, ovata,	Brngn.	LCM., M., U.			*					*			*	*					Etherley. Radnitz. Wettin.
(a) oxyphylla,	"	LCM., M.				*	*			*				*					St. Etienne. Waldenburg. Lobejuu.
(C) pennaeformis, (<i>Cyatheidcs.</i>)	"	LCM., M.				*	*			*			*						Mons. Alais. Charlottenbrun.
pennata, (<i>Cyatheidcs.</i>)	Sternb.	UCM.			*														Anzin. Saarbruck. Mosstitz.
(C) pinnatifida, (<i>Cyatheidcs.</i>)	Gutbier.	LCM., M.												*					Mons. Liège.
(C) Plucknettii, (<i>Cyatheidcs.</i>)	Brngn.	LCM., M., U.			*	*	*	*	*	*				*					Plauitz. Zwickau.
plumosa,	"	LCM.			*		*	*	*	*									Alais, Saarbruck, Waldenburg, Mane- bach, &c.
(C) polymorpha,	"	MCM.				*	*	*	*	*				*					Oldham. Dortmund. Waldenburg.
(A) Presliana, (<i>Asplenides.</i>)	Schimp.	CM.								*		*							Alais. Saarbruck. Wettin. Dresden. Erzas, &c.
(C) pseudo-Bucklandii, (A) Reichiana,	Germar. Göpp.	MCM. MCM.									*			*					Ifeld. Lobejün.
repanda,	Lindl. & Hutt.	LCM., U.			*									*					Zwickau.
rigida—Sauveurii, Serlii,	Brngn. "	UCM. LCM., M., U.			*	*	*	*	*	*	*	*	*	*					Etherley.
<i>Alethopteris.</i>	"	LCM., M., U.			*	*	*	*	*	*	*	*	*	*					Mons. Liège.
(C) serra,	Göpp.	MCM., M.		*						*				*					Etherley, St. Etienne, Charlotten- brun, &c.
(a) Silesiaca,	"	MCM.					*	*	*	*		*	*	*					Whitehaven. Waldenburg.
(A) similis,	Sternb.	UCM. ?					*	*	*	*		*	*	*					Waldenburg. Charlottenbrun. Rad- Swina. Raduitz.
(A) Sternbergii, stricta,	Ettingsh. Göpp.	LCM. ? LLS.								*		*	*	*					" Landsehut.
(a) subnervosa,	Ad. Röm.	UCM.			*		*	*	*	*		*	*	*					Piesberg by Osnaburg. Ibbenbüren.
(A) trachyrhachis, (C) villosa,	Göpp. Brngn.	UCM. UCM.			*		*	*	*	*		*	*	*					Waldenburg.
(A) Virletii, Volckmanni,	Schimp. Sauveur.	LLS. UCM.			*		*	*	*	*		*	*	*					Canerton (Bath). Bockwa.
(C) unita,	Brngn.	LCM., M.			*	*	*	*	*	*		*	*	*					St. George-Chatelaison (Maine and Mons. Charleroi. [Loire].)
Pucea , Witham, 1831.	A Conifer.													*					Alais, Geislautern, Wettin, &c.
orientalis, Withami,	Eichw. Lindl. & Hutt.				*									*					Petrowskaja (Kharkoff Govt.). Hill top (Durham).
Picea , Lindley, 1831.	Lindley.	CM.			*														Durham.
Pilularia (Pucea), Göppert ?, 1837.	Lycopodia ce a.													*					In black limestone.
principalis, Pinites , Witham, 1831, = Pinnites , Cedroxylon.	Ludwig.													*					High Heworth (Gateshead).
ambiguus, antecedens,	Witham, Krause.	CM.			*	*	*	*	*	*		*	*	*					Sudetie Mountains, &c.
anthracinus, capillacea,	Stur. Lindl. & Hutt.	Culm. UCM.			*		*	*	*	*		*	*	*					Newcastle-on-Tyne.
carbonaceus, densifolius,	" Witham.				*		*	*	*	*		*	*	*					Leebotwood.
medullaris, <i>Aurocarioxylon.</i>	Sndbrgr. Lindl. & Hutt.	CM. LLS.			*		*	*	*	*		*	*	*					Allan's Bank. Baden.
Mereklini, Withami,	Ludw. Lindl. & Hutt.	UCM. LLS.			*		*	*	*	*		*	*	*					Craig Leith (Edinburgh).
<i>Aurocarioxylon.</i>	"				*		*	*	*	*		*	*	*					"
Pinnularia , Lindley, 1833.	Roo	ts of Calamites.												*					"
capillacea, sphænopteridea,	Lindley. Fr. Crepin.	LCM., M., U. CM.			*	*	*	*	*	*	*	*	*	*					Stonelaw (Renfrewsh.), Rakonitz, &c.
Pitus , Witham, 1831.	Witham.	LCM.			*		*	*	*	*		*	*	*					Tweed Mill (Berwickshire).
antiqua, <i>Aurocarioxylon.</i>	"	LCM.			*		*	*	*	*		*	*	*					"
primæva, <i>Aurocarioxylon.</i>	"	LCM.			*		*	*	*	*		*	*	*					"
Poacites , Schlotheim, 1820.														*					"
cocoina, longissima,	Lindl. & Hutt. Ad. Röm.	LC. UCM.			*		*	*	*	*		*	*	*					Bideford (Devonshire). Piesberg, near Osnaburg.

NORTH AMERICA.

[illegible]

EUROPE. &c.

Genus, Species, and Author.	Horizon.												Locality.			
		IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIA PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.		SAXONY.	RUSSIA, EUROPE.	URAL.	ALTAI.
zeaformis, Schloth. LCM.				*												Coalbrook Dale (Shropshire).
<i>Equisetis</i> , spec. indet., Salter. LLS.				*												St. Anthony's Chapel, near Edinb.
Polyporites , Lindley and Hutton, 1834. A mushroom.																
Bowmanni, Lindl. & Hutt. (N. Wales)				*												Wrexham. <i>Holoptychius</i> -scale (Carruthers).
Pothocites , Paterson. CL., LCM.				*												Granton (Edinburgh).
Grantoni, Paterson. R. Ether., Jun. LCM.				*												West Calder and Barnton (Edinb.).
Protopitys , Göppert, 1850. Buchiana, Göpp. L'								*								Falkenberg (Glatz).
<i>Araucarioxylon</i> , Protopteris , Presl, 1833. Cottai, Corda (Presl). CM.								*								Grossenhain.
punctata, Heer. CM.										*						Kaunitz.
Schnorrriana, Geinitz. CM.											*					Niedereinsdorf (Zwickau).
Singeri, Presl. CM.								*								Giersdorf.
Sternbergii, Corda. CM.											*					Kaunitz.
Psaronius , Cotta, 1832. angulatus, Eichw. L'												*				Borowitch (Novogorod).
angusto-dunensis, Unger. UCM.						*										Autun.
arenaceus, Corda. LCM.											*					Chomle. Radnitz.
carbonifer, " UCM.											*					Swina.
Freislebeni, " LCM., M.											*	*				Chomle. Zwickau.
Haidingeri, Stenz. UCM.								*								Kommerberg, near Ilmenau.
musæformis, Corda. MCM., U.								*			*					Radnitz. Swina.
pulcher, " LCM.											*					Chomle.
Radnicensis, " LCM.											*					Radnitz.
Psilotites , Goldenburg, 1858? <i>Lycopodites</i> , of doubtful affinity. lithanthracis, Gldnbg. MCM.								*								Saarbruck (in red sandstone).
Psymphyllum , Schimper, 1871. (Incertain sediments). flabellatum, Lindl. & Hutt. MCM.?						*						*				Bensham. Jarrow. Zwickau.
Pterophyllum , Brongniart, 1828. inflexum, Eichw. LLS.													*			Aforino. Kouznet.
Schlotheimii, Göpp.								*								Dortmund?
Ptilorhachis , Corda, 1846. dubia, Corda. LCM.											*					Radnitz.
Ptychocarpus , Weiss, 1832? hexastychus, Weiss. MCM.								*								Breitenbach (Saarbruck).
Ptychopteris , Corda, 1846? microdiscus, Eichw. LLS.?												*				Petrowskaja (Kharkhoff).
Rhabdocarpus , Göppert and Berger, 1859. amygdalæformis, Göpp. & Berg. CM.				*			*	*								Newcastle. Werden, on Riv. Ruhr.
Beinertianus, " MCM.							*	*								Charlottenbrun.
Bockshianus, " LLS., MCM., U.							*	*			*					Werden, near Waldenburg. Floha.
cerasiformis, Sternb. MCM.							*	*								Saarbruck?
clavatus, Geinitz. MCM.											*					Zwickau.
conchæformis, Göpp. LLS., L', LCM.								*		*	*					Mohrardorf, Bethelsdorf, &c.
costatus, Corda. CM.										*	*					Braz.
cycadinus, " MCM.										*	*					Chomle.
lineatus, Göpp. & Berg. MCM.								*								Charlottenbrun.
Ludwigii, Roehl. CM.								*								Dortmund. Gelsenkirchen.
Naumannii, Geinitz. UCM.											*					Glucksberg. Floha.
navicularis, Göpp. & Feidler. MCM.								*								Wettin.
orientalis, Eichw. L'?												*				Kamenskaja (Eeaterinberg).
ovoideus, Göpp. & B. UCM.								*		*	*					Belk, near Nicolai.
putaminifer, Corda. LCM.?										*	*					Radnitz.
reticulus, " MCM.										*	*					Chomle.
sulcatus?, Lindl. & H. MCM.				*						*	*					Newhaven.
truncatus, Göpp. & B. MCM.								*		*	*					Charlottenbrun.
tunicatus, " MCM.								*		*	*					"
spec. indet., Ad. Röm.									*		*					
Rhabdotus , Sternberg. verrucosus, Sternb. UCM.?											*					Swina.
Rhacophyllum , Schim. 1869. Primary leaves of Ferns. adnascens, Lindl. & H. MCM., U.						*					*					Oberhohndorf.
<i>Rhodea</i> , filiciforme, Gutbier. MCM.							*			*	*					Saarbruck. Stradonitz. Zwickau.
<i>Rhodea</i> , flabellatum, Sternb. MCM.							*			*	*					" Zwickau.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Rhizolithes , <i>Fr. Braun</i> , 1847.																	
<i>palmatifida</i> , Lesq.	LCM.†	*															Frog Bayou. James's Fork. Poteau.
new spec., D. D. Owen.	.....	*								*	?						Jenny Lind's Prairie?
Rhizopteris , <i>Schimper</i> , 1869?																	
<i>filiformis</i> , Schimp.	LCM.							*									Colchester.
Rhodocarpus , <i>Lesquereux</i> .																	
<i>venosus</i> , Lesq.	UCM.										*						Tracy Co. (Main Sewanee vein).
Sagenaria , <i>Brongn.</i> 1822.																	
<i>aculeata</i> , Presl.	Lepidodendron.																
<i>Lepidodendron</i> .	LCM.											*					Mauchunk.
Schizopteris , <i>Presl</i> ; <i>Brongniart</i> , 1830.																	
<i>robusta</i> , Newb.	LCM.								*								Cuyahoga Falls.
<i>Pachyphyllum</i> .																	
Scolopendrites , <i>Lesquereux</i> , 1858.																	
<i>grossidentata</i> , Lesq.	UCM.											*					New Philadelphia.
Selaginites , <i>Brongniart</i> , 1828.																	
<i>brachyphyllum</i> ?, Brngn.	LCM.							*									
<i>cavifolius</i> , Lesq.	LCM.							*									Colchester.
<i>crassus</i> , "	LCM.							*									Mazon Creek.
<i>obtusus</i> , "								*				*					
<i>uncinatus</i> , "	LCM.							*									Colchester.

† In Arkansas always below Millstone Grit.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Goldenbergii,	Weiss.	MCM.					*	*										Saarbruck.
lactuca,	Sternb.	LCM, M.					*	*						*				St. Etienne. Saarbruck. Zwickau.
speciosissima,	Schimp.							*						*				Hibernia Mine. Gelsenkirchen.
Rhacopteris , Schimper, 1869?																		
elegans,	Ettingsh.	LLS., LCM.											*					Stradonitz.
flabellifera,	Stur.	Culm.										*						Sudetic Mountains.
Machaneki,	"	"										*						"
paniculifera,	"	"										*						"
transitionis,	(Ettingsh.)	"										*						"
Rhizomopteris , Schimper, 1869?																		
Lycopodioides,	Schimp.	MCM.												*				Dresden. Wettin.
Rhodea , Presl, 1838.																		
filifera,	Stur.	CL.							*	*	*	*						Sudetic Mountains.
gigantea,	"	CL.							*	*	*	*						"
Goepperti,	"	CL.							*	*	*	*						"
Hochstetteri,	"	CL.							*	*	*	*						"
Lycopodioides,	"	CL.							*	*	*	*						"
Machaneki,	"	CL.							*	*	*	*						"
Moravica,	"	CL.							*	*	*	*						"
patentissima,	"	CL.							*	*	*	*						"
Rhytidolepis , Sternberg, 1822.																		
? fibrosa,	Artis.				*													Rawmarsh by Rotherham.
Rhytidophloios , Corda, 1845.		(A bark).																
tenuis,	Corda.	LCM.											*					Radnitz.
Rotularia , Sternberg, 1822.																		
marselaefolia,	Sternb.	MCM.												*				Wettin, &c.
Sacheria , Ettingshausen.																		
asplenoides,	Ettingsh.	UCM.?											*					Swina.
Sagenaria , Brongn. 1822.	Lepidodendron.																	
acuminata,	Göpp.	LLS., L'				*			*	*	*	*						Vosges. Mohradorf.
acuta,	Sternb.	LLS.												*				Petrowskaja (Gov. Kharkhoff).
Baillyana,	Schimp.	LLS.	*															Kiltorkan (O.R.S.?).
concatenata,	Göpp.	LLS.							*	*	*	*						Landschut.
cyclostigma,	"	LLS.							*	*	*	*						"
depressa,	"	LLS.							*	*	*	*						" Uckersdorf.
distans,	Fstmntl.											*						Pilsen Basin.
excentrica,	Eichw.	L'												*				Borowitch.
Lindleyana,	Presl.	?			*													?
microstigma,	Fstmntl.	UCM.?										*						Wranowitz.
ophiura,	Brngn.	UCM.			*	*												Newcastle. Charleroi.
pertusa,	Eichw.	LLS.												*				Petrowskaja (Kharkhoff).
ramosa,	Presl.	LCM, M.	*	*								*						Wardie. Schatzlar.
Rhodiana,	"	LLS., LCM.			*	*			*	*	*	*						Yorkshire. Valenciennes. Grund.
rugosa,	"	LLS., UCM.							*	*	*	*						Leisnitz (Hesse). Mark Co.
tenuistriata,	Göpp.	L', LCM.												*				Prikscha (Novgorod).
transversa,	"	LLS., UCM.			*								*	?				Magdeburg.
Volckmanniana,	Sternb.	LLS.							*	*	*	*						Waldenburg.
Schizea , Ettingshausen.	A Fern.																	
transitionis,	Ettingsh.	LLS., MCM.							*			*	*	*				Altendorf. Niedercainsdorf.
Schizodendron.																		
lineare,	Eichw.	L'													*			Artinsk.
Schizopteris , Brongniart, 1830.																		
adnascens,	Lindl. & Hl.				*													Whitehaven.
anomala,	"	MCM.						*				*	*	*				Saarbruck. Rakonitz. Saxony.
caryotoides,	Sternb. & Ettingsh.	LCM.										*	*	*				Prilep Basin. Radnitz.
filiciformis,	Gutbier.	LCM.						*		*	*	*						Piesberg, &c.
foveolata,	Eichw.	MCM.													*			Kamenskaja-datscha (Ecaterinb.).
Gutbieriana,	Gein.	MCM.							*	*	*	*	*	*				Lisek and Prilep basins.
lactuca,	Sternb.	CM.								*	*	*	*	*				Rakonitz. Gelsenkirchen.
Selaginites , Brongn. 1828.	Fruits,	branches, &c. of	<i>L y co po di ac c e.</i>															
Bronni,	Sternb.	MCM.												*				River Don and Lougan (Ecaterinb.).
Erdmani,	Germar.	UCM.						*	*	*	*	*	*	*				Camen. Bochum. Ilfeld. Lisek.
crectus,	Brngn.	CM.				*												Mont Jean (Angers).
patens,	"	LLS., LCM.	*															Edinburgh.
verrucosus,	Eichw.	L''												*				Petrowskaja (Gov. Kharkhoff).
Selenochlæna , Corda, 1845.																		
microrhiza,	Corda.	?												*				Locality unknown.
Reichii,	"	?												*				" " probably in red sandstone of Saxony.
<i>Selenopteris.</i>																		

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Sigillaria, Brongn. 1828.																	
Syringodendron, Steud. nb.																	
acuminata, Newb.	LCM.									*							Cuyahoga Falls.
alternans, Lindl. & H.	LCM.												*				Trevorton.
alveolaris (ia), Brngn.	LCM., M.										*	*	*				Shamokin. Lehigh Summit.
attenuata, Lesq.	LCM., U.										*	*	*				In Coal A. 1, Kentucky. Pottsville.
Biercii, Newb. ?	LCM.									*							Coshocton. Cuyahoga Falls.
Brardii, Brngn.	UCM.									*	?	*	*				Main Sewannee vein. New Philadelphia.
Bretonensis, Daws.	MCM.														*		Sydney.
<i>Favularia.</i>																	
Brochanti, Brngn.	LCM.												*				Lehigh Summit.
Brownii, Daws.	MCM.													*			Joggins.
catenoides, "	MCM.													*	*		" Sydney.
catenulata, Lindl. & H.	LCM.										*	*	*				(Coal 1, Kentucky). Trevorton.
centralis, Newb.	LCM.									*							Cuyahoga Falls.
corrugata, Lesq.	M. Grit, LCM.									*							
cymatoides, H. T. Wood.	?										*		*				
Defranci, Brngn.	LCM.									*	*	*	*				Massilon. Muddy Creek.
dentata, Newb. ?	LCM.									*		*					Cuyahoga Falls.
dilatata, Lesq.	LCM. ?										*		*				Pottsville.
discoidea, "	M. Grit, LCM.										*		*				Lehigh Summit.
Dournasii, Brngn.	MCM.												*	*			Joggins, &c.
dubia, Lesq.	LCM.											*	*				Trevorton.
elegans, Brngn.	MCM., U.									*		*	*	*			Cuyahoga. New Philadelphia. Carbondale.
<i>Favularia.</i>																	
elougata, "	LCM., M.									*		*					River Lehigh Summit.
eminens, Daws.	MCM.										*		*		*		Sydney.
fissa, Lesq.	LCM., U.									*		*					Muddy Creek. New Philadelphia.
flexuosa, Lindl. & H.	MCM.										*		*		*		Sydney.
grandis, Newb.	LCM.									*							Cuyahoga Falls.
intermedia, Brngn.	MCM.						*	*		*			*	*	*		Carmi (White Co.). Sydney.
Knorrii, "	MCM.												*	*	*		Sydney.
<i>Rhytidolepis.</i>																	
lepidodendrifolia, "	UCM.											*	*				New Philadelphia. Lehigh Summit.
Lescuræi, Schimp.	LCM. ?											*	*				Pottsville.
levigata, Brngn.	MCM., U.											*	*	*			Gate vein. New Philadelphia. Sydney, &c.
Lorwayana, Daws.	MCM.												*	*			Sydney.
Marineria, Hildreth.	LCM.							*	*		*		*	*			Poland (Amer.). Cuyahoga Falls.
Menardii, Brngn.	MCM., U.							*	*		*		*	*			Colchester. Muddy Creek.
<i>Clathraria.</i>																	
minuta, Newberry.	LCM.								*	*							Cuyahoga Falls.
monostigma, Lesq.	LCM.							*					*				Colchester.
Murchisonii, Lindl. & Hutt.	CM.							*	*		*		*				(Sir C. Lyell.)
obliqua, Brngn.	LCM.								*	*	*	*	*				Pottsville (Coal-seam 4).
obovata, Lesq.	LCM.										*	*	*				Trevorton.
oculata, Brngn.	LCM.										*	*	*				"
organum, Lindl. & Hutt.	MCM.										*	*	*	*	*		Sydney.
pachyderma, "	MCM.										*	*	*	*	*		"
<i>Rhytidolepis.</i>																	
planicosta, Dawson.	MCM.										*	*	*	*	*		"
polita, Lesq.	LCM.										*	*	*	*	*		Carbondale.
pulchra, Newberry.	LCM.								*	*	*	*	*	*	*		Young's Town.
reniformis, Brngn.	MCM., U.							*	*	*	*	*	*	*	*		Gate vein, Pottsville, &c. (common).
reticulata, D. D. Owen.	LCM. (below M. & Grit).										*	*	*	*	*		Mal's Coal Bank.
rhomboidea, Brngn.	LCM.										*	*	*	*	*		Wilkesbarre.
rugosa, "	LCM.										*	*	*	*	*		"
Saullii, "	MCM.										*	*	*	*	*		Joggins. Sydney. (Sir C. Lyell.)
<i>Rhytidolepis.</i>																	
Schimper, Lesq.	CM.										*	*	*	*	*		Muddy Creek.
Schlotheimia, Dawson, Lyell.	MCM.										*	*	*	*	*		Joggins.
sculpta, Dawson.	UCM.							*	*	*	*	*	*	*	*		Duquoin. New Philadelphia.
scutellata, Brngn.	MCM., U.										*	*	*	*	*		Muddy Creek. Trevorton.
<i>Rhytidolepis.</i>																	

EUROPE, &c.

Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHINISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Selenopteris , Corda, 1845.																	
<i>involuta</i> , Corda.	LCM.												*				Radnitz (in <i>Sphaerosiderite</i>).
<i>Radnicensis</i> , "	LCM.												*				"
Senftenbergia , Corda, 1845.																	
<i>elegans</i> , Corda.	CM.												*				Nachod.
Sigillaria , Brongn. 1828.																	
<i>godendron</i> , Ster nb.																	
<i>aquabilis</i> , Gldnbg.	MCM.						*										Saarbruck.
<i>affinis</i> , Konig.	UCM.			*													Newcastle.
<i>alternans</i> , Lindl. & H.	LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Etherley, Mons, Aplerbeck, &c.
<i>alveolaris</i> , Brngn.	MCM., U.						*					*					Saarbruck. Treves. Radnitz.
<i>angusta</i> , Roehl.	CM.			*			*										Dortmund.
<i>angustata</i> , Sauveur.	UCM.				*												Mons, &c.
<i>antiqua</i> , "	UCM.				*												" Liège, &c.
<i>approximata</i> , "	MCM., U.			*													?
<i>Arzinensis</i> , Corda.	CM.											*					Arzin Coal-Mines.
<i>aspera</i> , Gldnbg.	MCM.						*										Saarbruck.
<i>Baeumleri</i> , Roehl.							*	*	*	*							Dortmund. Essen on Ruhr.
<i>Boblayi</i> , Brngn.	LCM.				*	*	*	*	*	*							Anzin. Aplerbeck.
<i>Brardii</i> , "	MCM.				*	*	*	*	*	*	*	*	*	*	*	*	Terrascon, Saarbruck, &c.
<i>Clathraria</i> .																	
<i>Brochanti</i> , "	MCM., U.				*	*	*										Liège. Eschweiler.
<i>Brongniarti</i> , Gein.	MCM.						*		*	*	*	*	*	*	*	*	Piesberg. Niederwurschnitz.
<i>canaliculata</i> , Brngn.	MCM.						*										Saarbruck.
<i>Candollei</i> , "	LCM.				*	*	*	*	*	*	*	*	*	*	*	*	Alais. Rakonitz. Pilsen.
<i>carinata</i> , Ad. Röm.	UCM.								*	*	*	*	*	*	*	*	Ilfeld. Poppenberge.
<i>catenulata</i> , Lindl. & H.	LCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Jarrow. Lisek Basin.
<i>coarctata</i> , Gldnbg.	MCM.						*										Saarbruck.
<i>contigua</i> , Sauveur.	UCM.				*	*	*	*	*	*	*	*	*	*	*	*	Charleroi, &c.
<i>contracta</i> , Brngn.	LCM.			*	*	*	*	*	*	*	*	*	*	*	*	*	Merthyr Tydvil.
<i>Cortei</i> , "	MCM.					*	*	*	*	*	*	*	*	*	*	*	Saarbruck. Dortmund. Riv. Ruhr.
<i>cristata</i> , Sauveur.	UCM.				*	*	*	*	*	*	*	*	*	*	*	*	Mons, &c.
<i>Culmiana</i> , Ad. Röm.	LLS.								*	*	*	*	*	*	*	*	Lautenthal. Troghales.
<i>cuspidata</i> , Brngn.	LCM.				*	*	*	*	*	*	*	*	*	*	*	*	St. Etienne.
<i>cyclostigma</i> , "	MCM.				*	*	*	*	*	*	*	*	*	*	*	*	Dortmund, Essen on Ruhr, Miro-schau, &c.
<i>Davreuxi</i> , "	UCM.				*	*	*	*	*	*	*	*	*	*	*	*	Liège, &c.
<i>Decheni</i> , Roehl.	MCM. ?				*	*	*	*	*	*	*	*	*	*	*	*	Essen on River Ruhr? [bruck.
<i>Defranciai</i> , Brngn.	MCM.				*	*	*	*	*	*	*	*	*	*	*	*	Mines St. Ambrose (Dép. Gard). Saar-
<i>Deutschiana</i> , "	MCM., U.			*	*	*	*	*	*	*	*	*	*	*	*	*	Saarbruck. Bochum. Altendorf.
<i>dichotoma</i> , Houghton.	LLS. (O.R.S.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kiltorkan†. Pilton. Baggy. Marwood.
<i>diplocladum</i> , Corda.	LCM.						*					*					Werden on Ruhr, Radnitz, &c.
<i>distans</i> , Sauveur.	UCM.				*	*	*	*	*	*	*	*	*	*	*	*	Mons, &c. Camen.
<i>Dournasii</i> , Brngn.	MCM., U.			*	*	*	*	*	*	*	*	*	*	*	*	*	Liège. Anzin. Radnitz.
<i>elegans</i> , "	LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Wishow. Autun. Bochum. Radnitz.
<i>elliptica</i> , "	LCM.			*	*	*	*	*	*	*	*	*	*	*	*	*	Fresnes, Saarbruck, &c.
<i>var. ovata</i> , "	MCM.													*	*	*	Kamenskaya.
<i>var. (a)</i> , "	LCM.				*	*	*	*	*	*	*	*	*	*	*	*	Valenciennes.
<i>elongata</i> , "	MCM., U.			*	*	*	*	*	*	*	*	*	*	*	*	*	Somersetshire. Liège. Werden.
<i>Feistmanteli</i> , Gein.	MCM.								*	*	*	*	*	*	*	*	Piesberg. Radnitz. Pilsen.
<i>flexuosa</i> , Lindl. & H.	LCM., M.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Etherley, Killingworth, &c.
<i>folia</i> , Roehl.	MCM.						*	*	*	*	*	*	*	*	*	*	Bochum. Werden.
<i>Geinitzii</i> , Schimp.	LCM.						*	*	*	*	*	*	*	*	*	*	Zwickau, &c.
<i>gigantea</i> , Sauveur.	UCM.				*	*	*	*	*	*	*	*	*	*	*	*	Mons. Liège.
<i>Goldenbergii</i> , Roehl.	MCM.						*	*	*	*	*	*	*	*	*	*	Aplerbach. Bochum.
<i>gracilis</i> , Brngn.	MCM.						*	*	*	*	*	*	*	*	*	*	Eschweiler (Aix le Chapelle).
<i>Gruseri</i> , "	MCM.				*	*	*	*	*	*	*	*	*	*	*	*	Saarbruck. Eschweiler.
<i>grandis</i> , Sauveur.	UCM.				*	*	*	*	*	*	*	*	*	*	*	*	Charleroi, Mons, &c.
<i>Grisebachii</i> , Ad. Röm.	UCM. ?						*	*	*	*	*	*	*	*	*	*	Piesberg, near Osuaburg.
<i>hexagona</i> , Fournet.	UCM.				*	*	*	*	*	*	*	*	*	*	*	*	Bosquet (Languedoc).
<i>hippocrepis</i> , Brngn.	UCM.				*	*	*	*	*	*	*	*	*	*	*	*	Liège. Mons.
<i>ichthyolepis</i> , Corda.	LCM. ?											*	*	*	*	*	Radnitz, &c. (in sandst.).
<i>internodia</i> , Brngn.	MCM., U.			*	*	*	*	*	*	*	*	*	*	*	*	*	Mons, &c. Bousquet, Essen, &c.
<i>interrupta</i> , Eichw.	MCM.						*	*	*	*	*	*	*	*	*	*	River Okka (Govern. Kalouga).
<i>Knorrii</i> , Brngn.	LCM., M.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Clee Hill. Saarbruck. Wranowitz.
<i>lavis</i> , Sauveur.	UCM.				*	*	*	*	*	*	*	*	*	*	*	*	Mons, &c.
<i>Lalayana</i> , Schimp.	CM.					*	*	*	*	*	*	*	*	*	*	*	Vale of Villé. Lower Rhine.
<i>Lanzii-Beniguae</i> , Ad. Röm.	UCM.						*	*	*	*	*	*	*	*	*	*	Piesberg (Osuaburg).
<i>leioderma</i> , Brngn.	UCM.			*	*	*	*	*	*	*	*	*	*	*	*	*	Newcastle.
<i>lenticularis</i> , Sauveur.	UCM.			*	*	*	*	*	*	*	*	*	*	*	*	*	Mons, &c.

† Kiltorkan = LLS according to Prof. Heer.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Serlii.	Brngn. LCM.								*		*						Trevorton, &c.
Sillimani.	" LCM.										*		*				Wilkesbarre.
(Asolanus.)																	
squamosa,	Newberry. LCM.									*							Cuyahoga Falls.
stellata,	Lesq.									*	*		*				Carbondale, &c.
striata.	Dawson. MCM.												*				Joggins.
Sydneyensis.	Brown. MCM.												*	*			Sydney.
(Asolanus.)																	
tessellata,	Brngn. LCM., M., U.									*	*	*	*	*	*	*	Trevorton, Pictou, Sydney, &c.
var. β.	" LCM.										*	*	*	*	*	*	Wilkesbarre.
Yardleyi,	Lesq. LCM.							*					*	*	*	*	Big Vermillion River. Pottsville.
spec. nova,	D. D. Owen. LCM.	*											*	*	*	*	Male's Coal Bank. James's Fork.
"	C. A. White. MCM.					*							*	*	*	*	

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
lepidodendrifolia,	Brngn.	MCM.					*	*						*				Treuil quarry. St. Etienne. Pilsen.
levigata,	"	MCM., U.			*	*	*	*						*				Newcastle. Liège.
Lindleyana,	Schimp.	MCM.			*	*	*	*						*				Jarrow. Radstock. Saarbruck.
mammillaris,	Brngn.	LCM., U.			*	*	*	*	*				*					Mons. Fresnes. Bochum. Radnitz.
var. a,	"						*	*					*					Vieux-Condé (Valenciennes).
" b,	"	MCM.					*	*					*					Saarbruck.
Menardi,	"	MCM.					*	*					*					Saarbruck?
microstigma,	"	MCM.					*	*					*					" Pilsen.
minima,	"						*	*					*					Montrelais. Camen.
minuta,	"	UCM.			*			*					*					Mons. Baden.
minutissima,	Göpp.	LLS.						*					*					Bogendorf.
Morandi,	Sauveur.	UCM.			*								*					Liège, &c.
muralis,	Ad. Röm.	UCM.						*		*			*					Piesberg.
Murchisoni,	Lindl. & Hutt.	LCM., M.			*								*					Knowlesbury Coal-field.
nodosa,	"	LCM., M.			*	*							*					Wishaw. Etherley.
nodulosa,	Eichw.	LCM., M.			*	*	*	*	*	*			*					Altendorf. Ifeld. River Okka.
notata,	Brngn.	LCM., M.			*	*	*	*	*	*			*					Anzin. Liège. Saarbr. Essen. on
obliqua,	"	MCM.					*	*					*					Saarbruck. [Ruhr.
oblonga,	Sauveur.	UCM.					*	*					*					Mons. Liège, &c.
ocellata,	Röhl?	MCM.					*	*					*					Bochum. Gelsenkirchen.
oculata,	Lindl., Schloth.	LCM., M., U.	*	*	*	*	*	*	*	*			*					Etherley. Bochum. Rakonitz.
orbicularis,	Brngn. &c.	MCM.					*	*					*					Saarbruck.
organum,	Lindl. & Hutt.	LCM., M., U.	*	*	*	*	*	*	*	*	*		*					Glencoele. Etherley. Dortmund.
																		Piesberg.
ornata,	Brngn.	UCM.			*		*					*						Radnitz. Swina.
ovata,	Sauveur.	UCM.			*			*				*						Mons. Charleroi, &c.
pachyderma,	Brngn.	LLS., LCM., M.,			*		*	*				*						Saarbr. Eschweiler. Gelsenkirchen.
peltata,	Sauveur.	UCM. [U.			*		*	*				*						Mons. &c.
peltigera,	Brngn.	LCM., M.			*		*	*				*						Alais. Saarbruck.
pes-capreoli,	Gldnbrg.	UCM.			*		*	*				*						Rakonitz. Radnitz.
Polleriana,	Brngn.	MCM.			*		*	*				*						Saarbruck, Bochum, &c.
Preuiana,	Ad. Röm.	UCM.			*			*		*		*						Ifeld.
pulchella,	Sauveur, &c.	UCM.			*		*	*	*	*		*						Mons. Piesberg.
pyriformis,	Brngn.	MCM., UC.			*		*	*				*						Saarbruck. Rakonitz.
regmstigma,	Gldnbrg.	MCM.			*		*	*				*						"
reniformis,	Brngn.	LCM., M., U.	*	*	*	*	*	*				*						Garrana-cole, Aidree, Mons, &c.
rhomboidea,	"	MCM.			*		*	*				*						Frierbach. Rakonitz.
rhytidolepis,	Corda	MCM.			*		*	*				*						Chomle. Radnitz.
rimosa,	Gldnbrg.	MCM., U.			*	*	*	*				*						Charleroi. Saarbruck. Radnitz.
rugosa,	Brngn.	MCM.			*	*	*	*	*			*						Bochum. Witten on Ruhr.
Samarskii,	Eichw.	MCM.			*		*	*				*			*			Petrowskaja (Govt. Ecaterinbourg).
Saullii,	Brngn.	MCM., U.		*	*	*	*	*	*			*			*			Airdrie, Oldham, Dortmund, &c.
Schlotheimiana,	"	MCM.		*	*	?	*	*	*			*			*			Saarbruck. Dortmund.
scutellata,	"	MCM., U.		*	*	*	*	*	*			*			*			Newcastle. Anzin. Saarbr. Camen.
var. a,	"	MCM.					*	*				*			*			Saarbruck.
" b,	"						*	*				*			*			Unknown.
Serlii,	"	MCM.		*	*	*	*	*				*			*			Paulton (Somerset). Gersweiler.
sexangula,	Sauveur.	UCM.			*		*	*				*			*			Mons. Charleroi, &c.
Sillimanni,	Brngn.	LCM., M.			*	*	*	*				*			*			Altenwald (Saarbruck), &c.
var. β,	"	MCM.			*		*	*				*			*			Saarbruck.
spinulosa,	Germar.				*		*	*				*			*			Lobejün (Leibach).
striata,	Feistmantl.	UCM.			*	*	*	*	*	*	*	*	*	*	*			Saarbr. Bochum. Piesberg. Pilsen.
subrotunda,	Brngn.	MCM.			*	*	*	*	*	*	*	*	*	*	*			Duttweiler. Rakonitz.
subsulcata,	Ad. Röm.	MCM., U.			*	*	*	*	*	*	*	*	*	*	*			Ifeld.
sulcata,	"	M. Grit			*	*	*	*	*	*	*	*	*	*	*			Solesne's Mines.
tessellata,	Brngn.	LCM., CM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*			Airdrie, Etherley, Mons, Radnitz, &c.
var. α,	"	MCM.			*	*	*	*	*	*	*	*	*	*	*			Eschweiler (Baron Férussac).
" γ,	"			*	*	*	*	*	*	*	*	*	*	*	*			Bath. Horloz (Liège). Alais.
" δ,	"			*	*	*	*	*	*	*	*	*	*	*	*			Alais.
" ε,	"			*	*	*	*	*	*	*	*	*	*	*	*			Saarbruck.
transversalis,	"	MCM., U.		*	*	*	*	*	*	*	*	*	*	*	*			Liège. Eschweiler (Aix le Chap.).
trigona,	Sternb.	UCM. ?		*	*	*	*	*	*	*	*	*	*	*	*			Rakonitz. Radnitz.
undulata,	Sauv. & Göpp.	MCM. ?		*	*	*	*	*	*	*	*	*	*	*	*			Liège.
Utshneideri,	Brngn.	MCM.		*	*	*	*	*	*	*	*	*	*	*	*			Duttweiler. Sulbach (Dortmund).
vascularis,	Binney.	LCM.		*	*	*	*	*	*	*	*	*	*	*	*			SpaClough (Burnley). BullionScam.
venosa,	Brngn.	MCM., U.		*	*	*	*	*	*	*	*	*	*	*	*			Montrelais (Lower Loire).
Walchii,	Sauveur.	UCM.		*	*	*	*	*	*	*	*	*	*	*	*			Mons. Liège, &c.
spec. indet.,	Baily.		*	*	*	*	*	*	*	*	*	*	*	*	*			
"	Salter.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*			Hill-end (Linlithgow).

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Solenites , <i>Lindley and Hutton</i> , 1833. species many (unnamed).	UCM.													*			Joggins.
Sphenophyllum , <i>Brongniart</i> , 1828.																	
bifurcatum, Lesq.	LCM.	*															Male's Coal Bank, Frog Bayou, &c.
brevifolium, Newberry.	LCM.									*							Cuyahoga Falls.
emarginatum, Brngn.	LCM., M., U.							*				*	*	*	*		Mazon Creek, Wilkesbarre, Sydney, &c.
erosum, Lindl. & Hutt.	LCM.									*							Cuyahoga Falls. [&c.
filicaule, Lesq.	UCM.											*					Gate vein.
<i>filiculmis</i> .																	
var. <i>saxifragæfolium</i> , C. & Kickx.	MCM.													*	*		Bay of Chaleurs, &c.
laciniatum, Newberry. ....	.....									?							Locale unknown.
longifolium, Germ., Gutb.	LCM., M., U.	*												*	*		Male's Bank, Pictou, &c.
oblongifolium, Unger? ....	.....											*					Salem vein.
microphyllum, Dawson.	LCM.													*			? St. John's.
peltatum, Newberry.	LCM.									*							Cuyahoga Falls.
Schlotheimii, Brngn.	LCM., M., U.	*						*	*	*	*	*	*	*	*	*	Jenny Lind Pr., Pottsville, Duquoin, [Sydney, &c.
trifoliatum, Lesq.	MCM.											?					Pottsville.
Sphenopteris , <i>Brongniart</i> , 1828.																	
abbreviata, Lesq. ....	.....							*		*	*	*	*	*	*	*	Mazon Creek, Port Carbon, &c.
acuta, Brngn. ....	.....								*	*	*	*	*	*	*	*	Marietta. Salina.
alata, "	LCM.							*									Colchester. Morris.
<i>Hymenophyllites</i> .																	
artemisiaefolia, "	MCM.									*	*	*	*	*	*	*	Hazelgrun. Grand Lake.
Canadensis, Daws.	MCM., U.												*	*	*	*	Bay of Chaleurs, Sydney, &c.
concinna, Newb.	LCM.									*							Cuyahoga Falls.
coricea, "	LCM.									*		*	*	*	*	*	" Salineville.
crenata, " ....	.....																
(d) decipiens, Lesq.	LCM.	*										*	*	*	*	*	Jenny Lind Prairie. Sydney. Potts- [ville.
delicatula, Brngn. ....	.....											*	*	*	*	*	Pottsville.
dilatata, D. D. Owen.	LCM., below M.G.	*												*	*	*	Male's Coal Bank.
Dubisboni, Brngn.	LCM., U.									*	*	*	*	*	*	*	Coal No. 4. Port Carbon.
flagellaris, Lesq.	LCM. ?											*	*	*	*	*	Sharpe Mountain. Pottsville.
(g) flexicaulis, "	LCM.	*															Male's, White River.
foliosa, Newb.	LCM.									*	*	*	*	*	*	*	Cuyahoga Falls.
glandulosa, Lesq.	LCM.									*	*	*	*	*	*	*	Shamokin.
gracilis, Brngn.	MCM.												*	*	*	*	Joggins. Grand Lake.
Gravehorstii, " ....	.....									*	*	*	*	*	*	*	Gate vein. Westwood.
Gutbieriana, Germ.	LCM.	*											*	*	*	*	Jame's Fork of Poteau.
Hœninghauseni, Brngn.	(Upper Devon. ?)												*	*	*	*	Also St. George's Bay, Newfoundland.
hymenophylloides, "	MCM., U.											*	*	*	*	*	Joggins. Sydney.
inflata, Lesq.	LCM. ?							*					*	*	*	*	Duquoin. Perry Co.
intermedia, "	LCM.									*	*	*	*	*	*	*	Crittenden (Union Mines). West- [wood.
irregularis, "	LCM.							*		*	*	*	*	*	*	*	Colchester.
Kirtlandiana, Newb.	LCM.								*	*	*	*	*	*	*	*	Poland Co.
latifolia, Brngn.	LCM.							*		*	*	*	*	*	*	*	Mazon Creek. Saline vein.
laticus, Daws.	MCM., U.									*	*	*	*	*	*	*	Pictou, Spring Hill, &c.
linearis, Lesq.	LCM.									*	*	*	*	*	*	*	Etna vein.
Lescurii, Newb.	MCM.									*	*	*	*	*	*	*	Sydney. Cuyahoga Falls. Mauchunk.
marginata, Daws.	MCM.									*	*	*	*	*	*	*	Sydney.
microloba, Gutbier.	MCM.									*	*	*	*	*	*	*	" Grand Lake.
mixta, Schimp.	LCM.							*					*	*	*	*	Colchester.

EUROPE, &c.									
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	Localities.
Sigillariostrobus , <i>Schimper</i> , 1870?									
Cordai, Feistmanteli, gravidus,	Feistmanteli, UCM. ? " UCM. ? " UCM. ?								Radnitz, &c. " Rakonitz, &c. " "
Sphenophyllum , <i>Brongniart</i> , 1828.	Rotularia , <i>Stenb.</i> &c.								Calamites .
angustifolium, Germar.	MCM.								Dortmund, Hanover, Wettin, &c.
asplenoides, Sternb.									Near Bath.
Brongniartianum, Roehl.	MCM.								Ibbenbüren.
cuneifolia, Sternb.	LCM. ?								Scotland. Coalbrook Dale.
dentatum, Brngn.	UCM.								Newcastle. Anzin.
emarginatum, " "	MCM., U.								Bath, Montrelais, Saarbruck, Swina, Ibbenbüren. [Wettin, &c.]
var. Brongniartianum, Caim & erosum, Lindl. & Hutt.	Kickx. MCM.								Carlsruhe, Etherley, Mons, Anzin, &c.
var. saxifragifolium, Sternb.	MCM.								Saarbruck, Swina, Zwickau, &c.
fimbriatum, Brngn.	UCM.								Paulton (Somersetshire).
furcatum, Geinitz.	LSS.								Haynichen, Ebersdorf, &c.
genuinum, Ettingsh.	CM.								Wettin. Cygnea.
longifolium, Germar.	LCM., M., U.								Mons, Saarbr., Werding, Wettin, &c.
majus, Brngn.									Piesberg.
marginatum, " "									Bosquet (Prof. Fournet).
microphyllum, Sternb.	LCM.								Rakonitz. Miroschau.
multifidum, Sauveur.	UCM.								Liège. Mons.
oblongifolium, Germar.	MCM., U.								Ilfeld, Zwickau, Haynichen, Zebrak, Osnaburg. [&c.]
Osnaburgense, Ad. Röm.	UCM.								
emarginatum, Phillips.									Forest of Dean.
ovale, Sauveur.	UCM.								Mons, &c.
pusillum, " "	UCM.								" "
quadriphyllum, ?									Swina.
rubescens, Sternb.									Glengool, Ilfeld, Poppenberge, Prilep.
saxifragifolium, Brngn.	MCM., U.								Ibbenbüren, Waldenburg, Govt. Eca-
Schlotheimii, Mahr.	LSS.								Ilmenau. [terinbourg, &c.]
Thonii, Brngn.	UCM.								Somersetshire.
truncatum, Brngn.									
Sphenopteridium , <i>Schimper</i> , 1869.	Cyclopteris , <i>Göpp.</i>								
dissectum, Göpp.	LSS., CM.								Glatz and in Hesse.
Sphenopteris , <i>Brongniart</i> , 1828.	[U.]								
(d) acuta, Brngn.	LSS., LCM., M.								Bideford, Saarbruck, Dortmund, &c.
acutifolia, " "	LSS., LCM., M., U.								North Devonshire, Wranowitz.
(f) acutiloba, Sternb.	LCM., M.								Saarbruck, Swina, &c.
(d) adiantoides, Lindl. & Hutt.	M. Grit, LCM., M., U.								Yarrow (Newcastle).
<i>Adant. concinnus</i> , Lindl. & Hutt.	LSS., L', LCM.								Dalry, Calderwater, Etherley, &c.
affinis, <i>erithnifolia</i> , Brngn.	MCM.								Mons. Saarbruck. Lougan.
alata, Roehl.	MCM.								Gelsenkirchen.
Andraviana, Göpp.	LSS. (Cypr. Sch.)								Aforino. Meretschaja.
arthrisifolia, Sternb.	MCM.								Meisdorf. Ilfeld. Yawdon.
artemisiæfolia, Brngn.	MCM. ?								Radnitz. Pilsen.
asplenoides, Lindl. & Hutt.									Etherley and passiu.
(b) attenuata, Brngn.									Dortmund. Bochum (Halligen).
Breumleri, Andrea.	MCM.								Charlottenbrunn.
(h) Beinertii, Göpp.	MCM.								Haynichen.
Beyrichiana, " "	LSS., LCM.								Oberholndorf.
(c) bidentata, Gutbier.	MCM.								Campsie, Burdick House, Etherley, &c.
(h) bifida, Lindl. & H.	LSS., CL., LCM., M., U.								
bifurcata, MCM. ?									Wranowitz.
Bockingiana, Weiss.	MCM.								Dortmund.
(a) botryoides, Sternb.	UCM.								Swina.
Brongniarti, " "									Glasgow. Northumberland. [&c.]
(c) Bronnii, Gutbier.	MCM., U.								Wattensbied, Waldenburg, Prilep.
caudata, Lindl. & H.	LCM., M., U.								Etherley. Jarrow (Bensham Seam).
charophylloides, Brngn.	LCM.								Manchester. Alais.
coarctata, Roehl.	MCM.								Dortmund. Aplebach.
conferta, Sternb.	MCM.								Waldenburg.
confertifolia, Göpp.	CL.								Rothwaltersdorf (Glatz Co.).
(a) convexiloba, Schimp.	LCM.								Anzin, North of France.
(b) Conwayi, Lindl. & H.	LCM., M.								Coalbrook Dale. Riscia. Port Newydd.
coralloides, Gutbier.	UCM.								Loequeinghen, Dortmund, Lisek, &c.

The species marked thus ' are, according to Ettingshausen, varieties of *Sphenophyllum Schlotheimii*, Brngn.

N.B. The nine families of "*Sphenopteris*" are marked alphabetically, thus:—(a) Gymnogrammidæ, (b) Notochlanidæ, (c) Cheilanthidæ, (d) Ancinoidæ, (e) Dicksonioidæ, (f) Davallioidæ, (g) Hymenophyllidæ, (h) Trichomanidæ, (i) Aspididæ (none in the Coal formation). Schimper, Palæont. Vég. i. 371 &c.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROPE.	URAL.	ALTAI.	Locality.
<i>crassa</i> ,	Lindl. & H.	LSS., LCM.	...	*	...	...	...	...	...	...	...	...	...	...	...	...	...	Burdie House. Calder Walter.
<i>Adantides</i> ,																		
(<i>c</i>) <i>crenata</i> ,	"	LCM.	...	*	*	...	...	...	...	...	...	...	...	...	...	...	...	Stonehouse. Watstone. Etherley.
<i>crenulata</i> ,	Roehl.	MCM.	...	*	...	...	...	*	...	...	...	...	...	...	...	...	...	Bochum. Dortmund.
(<i>e</i>) <i>cristata</i> ,	Brngn.	MCM.	...	...	...	*	*	*	...	...	...	...	*	...	...	...	...	Bonchamp, Saarbruck, Bochum, &c.
<i>crithmifolia</i> ,	Lindl. & H.	UCM.	...	...	*	...	...	...	*	...	...	...	...	...	...	...	...	Bensham (Jarrow). Rothwaltersdorf.
(<i>a</i>) <i>cuneata</i> ,	"	LCM.?	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Etherley. Knowlesbury.
<i>cuneolata</i> ,	"	LCM.?	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Newcastle.
(<i>c</i>) <i>debilis</i> ,	Sternb.	UCM.	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Radnitz. Schatzlar.
(<i>d</i>) <i>decipiens</i> ,	Lesq.	?	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Lisek Basin.
(<i>h</i>) <i>delicatula</i> ,	Brngn.	MCM., U.	...	...	*	...	*	...	...	...	...	...	*	...	...	...	...	Liège. Mons. Saarbruck, Radnitz.
<i>dilatata</i> ,	Lindl. & H.	LCM., M.	...	*	*	...	...	...	...	...	...	...	...	...	...	...	...	Campbell T., Baillie's T., Etherley, &c.
(<i>h</i>) <i>dissecta</i> ,	Brngn.	LSS., UCM.?	...	...	*	*	*	...	...	...	*	...	*	...	...	...	...	Liège, Montrelais, Mount Jean, Piesberg, &c.
<i>Rhodea</i> ,																		
(<i>f</i>) <i>distans</i> ,	Sternb.	LLS., UCM.	...	...	...	*	...	*	*	*	...	*	*	...	...	...	...	Mons, Waldenburg, Altendorf, &c.
<i>divaricata</i> ,	Göpp.	Culm.	...	...	...	...	...	...	...	...	...	*	...	...	...	...	...	Sudetic Mountains.
(<i>c</i>) <i>Dubuissonii</i> ,	"	LLS., MCM.	...	...	...	...	*	...	*	...	...	...	...	...	...	...	...	Montrelais. Berghaupten.
(<i>f</i>) <i>elegans</i> ,	Brngn.	LLS., LCM., M.	...	*	...	*	*	*	*	...	...	*	*	*	...	...	...	Wardie, Mons, Waldenb., Saarb., &c.
(<i>g</i>) <i>erosa</i> , Lindl. & H. (non Morris).			...	*	*	...	...	...	...	...	...	...	...	...	...	...	...	Campsie. West Scotland.
(<i>c</i>) <i>Essinghii</i> ,	Andrea.	MCM.	...	...	...	...	*	...	...	...	...	...	...	...	...	...	...	Eschweiler (Aix-le-Chapelle).
(<i>c</i>) ? <i>Ettingshauseni</i> ,	Stur.		...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Sudetic Mountains.
<i>excelsa</i> ,	Lindl. & H.	LCM., U.	...	*	*	...	...	...	...	...	...	...	...	...	...	...	...	Stonchouse, Coat Castle, Etherley, &c.
<i>Falkenhaini</i> ,	Stur.	LLS.	...	...	...	...	...	...	...	...	...	*	...	...	...	...	...	Sudetic Mountains.
<i>fascicularis</i> ,	Ad. Röm.	UCM.	...	...	...	...	...	...	...	...	...	*	...	...	...	...	...	Osnaburg.
<i>flavicans</i> ,	Sternb.		...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Brzas.
(<i>f</i>) <i>flexuosa</i> ,	Gutbier.	MCM.	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Zwickau.
<i>foliolata</i> ,	Stur.	Culm.	...	...	...	...	...	...	...	...	...	*	...	...	...	...	...	Sudetic Mountains.
<i>Footneri</i> ,	Marrat.		...	...	...	*	...	...	...	...	...	...	...	...	...	...	...	Ravenshead.
<i>formosa</i> ,	Gutbier.	MCM.	...	...	...	...	...	...	*	*	...	*	*	*	...	...	...	Dortmund, Hanover, Oberhohn-
<i>fragilis</i> ,	Brngn.	UCM.	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Radnitz. [dorf, &c.]
<i>furcata</i> ,	Bronn.	UCM.	...	...	*	*	*	*	*	...	...	*	*	*	...	...	...	Newcastle. Charleroi. Zwickau.
<i>Geinitzii</i> ,	Göpp.	MCM.	...	...	...	...	...	...	*	*	...	*	*	*	...	...	...	Gelsenkirchen, &c.
(<i>g</i>) <i>Gersdorffii</i> ,	"	LCM.	...	...	...	...	...	...	*	...	...	...	...	...	...	...	...	Landschut.
<i>Rhodea</i> ,																		
<i>Goldenbergii</i> ,	Andrea.	MCM.	...	...	...	...	...	*	...	...	...	...	...	...	...	...	...	Saarbruck.
(<i>h</i>) <i>Goppertii</i> ,	Ettingsh.	LLS.	...	...	...	...	...	...	...	...	...	*	...	...	...	...	...	Altendorf. Kunzendorf.
(<i>f</i>) <i>gracilis</i> ,	Brngn.	MCM., U.	...	...	*	...	...	...	...	...	...	*	...	...	...	...	...	Newcastle. Piesberg.
<i>grandifrons</i> ,	Sauveur.	UCM.	...	...	...	*	...	...	...	...	...	...	...	...	...	...	...	Mons. Charleroi.
(<i>g</i>) <i>Grandini</i> ,	Göpp.	MCM.	...	...	...	...	...	*	...	...	...	...	...	...	...	...	...	Saarbruck.
<i>Hymenophyll.</i>																		
(<i>c</i>) <i>Gravenhorstii</i> ,	Brngn.	UCM.?	...	...	*	...	...	*	*	*	...	...	...	...	...	...	...	Anglesea, Waldenburg, Rhenish Ba-
(<i>c</i>) <i>grypophylla</i> ,	Göpp.	MCM.	...	...	...	...	...	...	*	...	...	...	...	...	...	...	...	Charlottenbrunn. [varia, &c.]
(<i>h</i>) "	"	LLS.	...	...	...	...	...	*	...	...	...	...	...	...	...	...	...	Elberfeld.
<i>Gutbieriana</i> ,	Gein.	MCM.	...	...	...	...	...	...	*	...	...	...	*	...	...	...	...	Zwickau. Charlottenbrunn.
(<i>c</i>) <i>gyrophylla</i> ,	"	MCM.	...	...	...	...	...	*	*	*	...	...	*	...	...	...	...	Bochum. Charlottenbrunn. Pilsen.
(<i>c</i>) <i>Haidingeri</i> ,	Ettingsh.	MCM.	...	...	...	...	...	...	...	...	...	*	*	...	...	...	...	Stradonitz.
<i>Haueri</i> ,	Stur.	Culm.?	...	...	...	...	...	...	...	...	...	*	...	...	...	...	...	Sudetic Mountains.
(<i>a</i>) <i>Hibberti</i> ,	Lindl. & H.	CL.	...	*	...	...	...	...	...	...	...	...	...	...	...	...	...	Ilamilton. Kirton (Bath Gate).
<i>coriacea</i> , Marrat.																		
(<i>c</i>) <i>Höninghausii</i> ,	Brngn.	LCM., M. Grit...	...	*	*	*	*	*	...	*	...	*	...	*	...	...	...	Ballingarry, Baillie, Mons, Werden,
var. <i>major</i> ,	"		...	...	...	...	...	*	...	*	...	...	...	...	...	...	...	[&c.]
(<i>g</i>) <i>Humboldtii</i> ,	Göpp.	UCM.	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	Waldenburg.
<i>imbricata</i> ,	"	LCM.	...	...	...	...	...	...	...	...	...	...	...	...	...	*	...	Aforiuo.
<i>incisa</i> ,	Sternb.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
(<i>f</i>) <i>integra</i> ,	Germ.	MCM.	...	...	...	...	...	...	...	...	...	*	...	*	...	...	...	Elzabachthal. Zorge. Wettin.
(<i>e</i>) <i>intermedia</i> ,	Ettingsh.	UCM.	...	...	...	...	...	...	...	...	...	...	*	...	...	...	...	Stradonitz (shaly sandstone).
(<i>a</i>) <i>irregularis</i> ,	Sternb.	MCM.	...	*	...	*	...	*	*	...	*	...	*	*	...	...	...	Glengool, Newcastle, Saarbruck, Bo-
<i>Kaulfussii</i> ,	Göpp.	MCM.	...	...	...	...	...	*	...	...	...	...	...	...	...	...	...	St. Ingbert (Saarbr.). [chum, &c.]
<i>Kiowitzensis</i> ,	Sternb.	Culm.	...	...	...	...	...	...	...	...	...	*	...	...	...	...	...	Sudetic Mountains.
(<i>f</i>) <i>lanceolata</i> ,	Gutbier.	M.G., L., MCM.	...	...	...	...	...	...	...	...	...	*	*	*	...	...	...	Mohradorf, Swina, Zwickau, &c.
(<i>d</i>) <i>latifolia</i> ,	Brngn.	LCM., M., U.	...	*	*	*	...	*	*	*	...	*	*	*	...	...	...	Bailliestown. Etherley. Saarbruck.
<i>Laurentii</i> ,	Andrea.	MCM.	...	...	...	...	...	*	...	...	...	...	...	...	...	...	...	Eschweiler. [Wittwe.]
<i>laxa</i> ,	Sternb.	LCM.	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Yarrow.
(<i>f</i>) <i>linearis</i> ,	"	LLS., L., LCM., U.	...	*	*	*	...	...	...	...	...	*	...	...	...	...	...	Fermanagh. Edinburg Northumber-
(<i>c</i>) <i>Linkii</i> ,	Göpp. &c.	MCM.	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	Charlottenbrunn. [land. Swina.]
(<i>b</i>) <i>lyratifolia</i> ,	Göpp.	MCM.	...	...	...	...	...	*	...	...	...	...	...	...	...	...	...	Saarbruck.
(<i>h</i>) <i>Machaueckii</i> ,	Ettingsh.	LCM.	...	...	...	...	...	...	...	...	...	*	...	...	...	...	...	Altendorf.
(<i>d</i>) <i>macilenta</i> ,	Lindl. & H.	MCM.?	...	...	*	...	...	...	...	...	...	...	*	...	...	...	...	Risca (Monmouthsh.), &c. Zwickau
(<i>c</i>) <i>megaphylla</i> ,	Ad. Röm.	UCM.	...	...	...	...	...	...	...	...	*	...	...	...	...	...	...	Piesberg.

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Spirangium , <i>Schimper</i> , 1872.																	
appendiculatum, Lesq.	UCM. ?							*									Mazon Ck. (Grundy Co.) } Permian ?
Prendeli, "	UCM. ?							*									" " } —Schimp.
Spirophyton , <i>Dawson</i> , 1859.																	
cauda-Galli, Newberry.									*								Putnam-Hill Sandstone.
crassum, Hall.	LLS.								*								Cuyahoga Falls (also Devonian).
Sporangites , <i>Dawson</i> , 1868.																	
acuminata ?, Dawson.																	
glabra, "	LCM., M.												*				Horton Bluff. Joggins.
papillata, "	MCM.												*				Joggins.
Staphyllopteris , <i>Lesquereux</i> , nec <i>Presl</i> .																	
asteroides, Lesq.	LCM.							*									Morris Town.
stellata, D. D. Owen.	LCM.	*															Male's Coal Bank (under M. Grit).
Wortheni, Lesq.	LCM.												*				Mazon Creek.
Steffensia , <i>Göppert</i> , 1836.																	
Davallioides, Göppert & Dana.								*?									(Manual, 2nd ed.)
Stemmatopteris , <i>Corda</i> , 1846. "Pétioles et tiges."																	
Cistii, Corda.	LCM.												*				Wilkesbarre.
gigantea, Lesq.	LCM.												*				Carbondale.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAKONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
(c) meifolia,	Sternb.	LCM., M.								*			*					Waldenburg. Radnitz.
(c) microloba,	Göpp.	MCM. ?								*								"
(c) microphyllum,	Gutb.	?												*				Niederaindorf. Zwickau.
(h) Moravica,	Ettingsh.	.....										*						Altendorf.
multifida,	Lindl. & H.	LCM., M.			*													Oldham. Ravenshead (Lancash.).
																		Coalbrook Dale.
muricata,	Brngn.	.....	*		*		*	*	*	*		*						Glengool, Bideford, Radnitz, &c.
(c) Naumanni,	Gutb. ?	.....																Lissitz, &c. (Permian ?).
nervosa,	Brngn.	M. Grit, LCM.			*						*							Osnaburg.
notha,	Eichw.	MCM.													*			Kamenskaja-datscha (black clay).
(a) nummularia,	Gutb.	MCM.					*	*					*					Saarbruck, Zwickau, &c.
obliqua,	Marrat.	?			*													Ravenshead.
obovata,	Lindl. & H.	L'			*													Newcastle. [Radnitz.
(d) obtusiloba,	Brngn.	M.G. LCM, M, U			*	*		*	*	*		*						Coalbrook Dale. Mons. Landschut.
(c) Pagenstecheri,	Ad. Röm.	UCM.									*							Piesberg.
(f) palmata,	Schimp.	MCM.						*										Saarbruck.
(g) patentissima,	Ettingsh.	LCM.										*						Altendorf.
(d) pentaphylla,	Ad. Röm.	UCM.									*							Osnaburg. Piesberg.
(a) polyphylla,	Lindl. & H.	LCM., M.			*													Crossford (Knowlsbury), &c.
plumula,	Marrat.	?			*													Ravenshead.
pulchra,	Baily.	LCM.	*															
pusilla,	Ad. Röm.	UCM.									*							Piesberg.
(g) quereifolia,	Göpp.	.....								*								Falkenberg, co. Glatz, &c.
(f) refracta,	"	CL.								*								Jarrow.
(b) repanda,	Lindl. & H.	MCM. ?			*													Mons. Dillenburg. Waldenburg.
(a) rigida,	Brngn.	LCM. ?				*				*								
rotundifolia,		MCM.																
(g) rutæfolia,	Eichw.	LCM., M., U.						*	*	*					*			Bochum, Kamenskaja, &c.
sarana,	Weiss.	UCM.						*										Schwalbach. St. Avold.
(d) Schillingsi,	Andrea.	MCM.						*		*								Eschweiler. Cumen. Piesberg.
(g) Schimperiana,	Göpp.	LLS.				*		*		*								Thann, &c. (Alsace).
(e) Schlotheimii,	Sternb.	MCM.			*		*	*	*	*	*	*	*	*	*			Saarbruck. Werden. Waldenburg.
(g) spinosa,	Göpp.	MCM.					*	*		*								[Dresden.
striatula,	Stur.	Culm.									*							Sudetic Mountains.
(g) stricta,	Sternb.	?	*	*														Glasgow. Yawdon. Northumberland.
(c) stipulata,	Gutbier.	UCM.						*		*		*		*				Saarbruck. Zwickau.
subalata,	Weiss.	UCM.						*				*						"
tenella,	Brngn.	MCM.			*		*						*					Yorkshire, &c.
tenuifolia,	"	LLS.					*											St. George-Chatellais.
(f) tenuissima,	Sternb.	UCM. ?										*						Wranowitz. Brzas.
(g) trichomanoides,	Brngn.	MCM.				*												Anzin (N. of France).
Rhodea.																		[bohndorf.
(e) tridactylites,	"	LLS., MCM.				*		*		*		*		*				Montrelais. Waldenburg. Ober-
(a) trifoliata,	"	LCM., M., U.			*	*	*	*	*	*		*		*				Elsecar, Mons, Montrelais, Esch-
																		weiler, &c.
Virletii,	"	LLS.				*												Montrelais. St. George-Chatellai-
(g) Zobelii,	Göpp.	MCM. ?								*								Waldenburg. [son (Doué).
Rhodea.										*								
Sphaerococcites, Sternberg, 1833.		3.																
antiquus,		Jüngste Grauw.								*								Lower Gosethal.
Spirangium, Schimper, 1870 ?		Palæoxyris, Brngn.																
carbonarium,	Schimp.	.....			*		*			*		*		*				Autun. Wettin (Sphaerosiderite).
Stauropteris, W. E. Binney, 1872.		2.																
Oldhamii,	W. E. Binney.	.....			*													Oldham. Ravenshead (Lancash.).
Steffensia, Göppert, 1836.																		
Davallioides,	Göpp.	UCM.								*								Waldenburg.
Stemmatopteris, Corda, 1846 ?																		
Cistii,	Corda.	MCM.					*	*	*			*		*				Baden. Oberhohndorf. Dresden.
peltigera,	"	LCM., M.				*		*										Alais.

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
insignis,	Lesq.	LCM. (below M.							*									Duquoin.
punctata,	"	UCM. ... [Gt.).												*				Gates vein (New Philadelphia).
Wortheni,	"	?							*									Carmi (White Co.).
Sternbergia , <i>Artis</i> , Dawson, 1826.		A provisional	ge	nu	s.	—		<i>D a</i>	<i>ws on</i> .									
var. <i>angularis</i> ,	Dawson.	UCM.												*				No locale given.
" <i>approximata</i> ,	"	MCM., U.												*				" "
" <i>distans</i> ,	"	UCM.												*				" "
" <i>obscura</i> ,	"	UCM.												*				" "
Stigmaria , <i>Brongniart</i> , 1828.																		
<i>costata</i> ,	Lesq.		*										*					Pottsville.
<i>Eveni</i> ,	"								*									Mazon Creek.
<i>ficoides</i> ,	Brngn.	LCM. &c.	*		*		*	*			*	*	*	*	*	*	*	Almost universal.
var. <i>k. alternans</i> ,	Dawson.	MCM.												*				Common.
" <i>x. anabathra</i> ,	Corda, Lesq.	L''' &c.							*									Pope Co.
" <i>a, b, d, f, h, i</i> ,	Dawson.	MCM. &c.												*				Common.
" <i>l. Knorroides</i> ,	"	MCM. &c.												*				"
" <i>minor</i> ,	Lesq.	L''' &c.							*									Pope Co.
" <i>γ. Gopp. reticulata</i> ,	"	L''' &c.							*									"
" <i>ε. " sigillaroides</i> ,	Dawson.	MCM. &c.												*				Common.
" <i>δ. " stellata</i> ,	"	L''' &c.							*					*				Pope Co. Common.
" <i>η. " undulata</i> ,	"	MCM. ?							*					*				"
<i>flexicaulis</i> ,	Lesq.	LCM.	*															Frog Bayou (subconglomerate).
<i>irregularis</i> ,	"	LCM.	*											*				Male's Bank. Gate vein (subcongl.).
<i>latifolia</i> ,	Brngn.								*									
<i>paupercula</i> ,	Lesq.													*				
<i>radicans</i> ?	"	LCM.												*				Pottsville.
<i>rigida</i> ,	"								*									
<i>umbonata</i> ,	"	UCM.							*					*				Gate vein.
Stigmatocanna ?, <i>Goppert</i> , 1859.																		
<i>umbonata</i> ,	Lesq.	LCM.	*															Male's Coal Bank.
Syringodendron , <i>Sternberg</i> , 1828. <i>Lepidodendron</i> .																		
<i>Americanum</i> ,	Newberry.	LCM.								*								Cuyahoga Falls.
<i>cyclostigma</i> ,	Brngn.	LCM.											*	*				Common. Trevorton.
<i>pachyderma</i> ,	"	LCM.											*	*				Common in Coal-measures. Tre-
<i>Porteri</i> .	Lesq.	CM.							*									In sandstone. [vorton.
Thuyites , <i>Sternberg</i> , 1823.																		
<i>Parryanus</i> ,	Heer.	CM.																Village Point (Melville Island).
Trigonocarpus , <i>Brongniart</i> , 1828. Nut-like fruits. — <i>Dawson</i> .																		
<i>avellanus</i> ,	Dawson.	MCM.												*	*			Joggins. Sydney.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Sternbergia , <i>Artis</i> , 1826. Pith of <i>Dadoxylon</i> , & c.																	
approximata, Brngn. MCM.							*						*				Saarbruck. Petrowskaya.
<i>Lomatophloios</i> .																	
Volekmani, Sauveur.					*									*			
Stigmara , <i>Brongniart</i> , 1828. R	oots of arborese	nt	<i>Lyc op od ia ce æ.</i>														
arenaria, Ludwig.	?													*			Rivers Vuichera and Ousva.
cochleata, Corda.	UCM.													*			Kiset Factory (River Ousva).
conferta, Brngn.	LLS., CL., M. Gt., LCM., M., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Swina by Radnitz.
ficoides, Göpp.	LLS., CL., LCM.																Very common.
† var. <i>x. anabathra</i> , "	Jüngste Grauw.							*			*						Falkenberg, co. Glatz.
" <i>λ. dactylostigma</i> , "	"							*			*						Leisnitz (Leobschutz).
" <i>θ. elliptica</i> , "	"							*			*						Landschut. Haynichen.
" <i>ζ. inequalis</i> , "	"							*			*						"
" <i>ζ. lævis</i> , "	"							*			*						Herborn (Nassau).
" <i>η. minuta</i> , "	UCM.							*			*						?
" <i>γ. reticulata</i> , "	UCM.							*			*						Waldenburg.
" <i>ε. sigillaroides</i> , "	UCM.							*			*						Zalenza.
" <i>c. Socolowski</i> , "	MCM.												*	*			Lougan. Govt. Ecaterinb. Irginsky.
" <i>δ. stellata</i> , "	UCM.		*										*	*			Wishaw (Lanark). Riv. Prikscha (Govt. Novgorod).
" <i>δ. undulata</i> , "	Jüngste Grauw.							*		*							Landschut. Mohradorf.
" <i>α. ? vulgaris</i> , "	UCM.																
<i>gigantea</i> , Sauveur.	UCM.				*												Mons, &c.
<i>Glinkana</i> , Eichw.					*										*		
<i>intermedia</i> , Lindl. & Hutt.	LCM.				*												Montrelais, &c.
<i>melocactoides</i> , Sternb.	LCM., M., U.				*		*										Coalbrook Dale. Saarbruck.
<i>minima</i> , Brngn.	LCM., U.				*	*											Anglesea. Charleroi.
<i>mosana</i> , Sauveur.	UCM.				*												Charleroi, Mons, &c.
<i>obovata</i> , Eichw.	?												*				
<i>pertusa</i> , "	CL.												*	*			
<i>rimosa</i> , Sternb.	CL.						*						*	*			Hirschbach.
<i>Schillingsi</i> , Andrea ?																	
<i>tenuistriata</i> , Brngn.													*	*			
Stigmariadendron , <i>Brongniart</i> .	Stigmatode	n	d	ron ,	E	ic	h	w.									
cribrosum, Eichw.	LCM. (in L'st.)												*	*			Mt. Kaschkabash (Artinsk).
Ledebourii, "	LCM. ?												*	*			(In sandst.) Mt. Kaschkabash (Artinsk) Coal-mines.
Stigmatocanna ?, <i>Göppert</i> , 1859.	<i>Calamites</i> ?																
Volekmanniana, "	LLS.							*									Landschut.
Strephopteris , <i>Presl</i> , 1838.																	
ambigua, Presl.	MCM.						*				*						Plass.
De Francii, Brngn.	MCM.						*										
lonchitidis, Sternb.	MCM.						*										} <i>An Pecopteris</i> , Schimp. ?
longifolia, "	MCM.						*										
nervosa, Brngn.	MCM.						*										
Syringodendron , <i>Sternberg</i> , 1828.	Palmacites , <i>Schl ot h.</i>																
alternans, Sternb.	LCM.						*										Eschweiler (Aachen).
eyeclostigma, Brngn.	LCM.					*											Anzin (Valenciennes).
<i>Sigillaria tessellata</i> .																	
pachyderma, "	LCM.						*										Eschweiler.
<i>Sigillaria tessellata</i> .																	
pes capreoli, "	LCM., M.		*	*	*			*		*		*	*	*			
<i>Sigillaria Brongniarti</i> .																	
pulchellum, Sternb.								*									Waldenburg.
<i>Sigillaria reniformis</i> .																	
Thyscpteris , <i>Stur</i> .																	
schistorum, "	Culm (2nd zone)								*								Sudetic Mountains.
Todea ?																	
Lipoldi, Göpp. (MSS.), Stur.	" (3rd zone)								*								(or Morav-Sile-
Lipochmanes , <i>Ettingshausen</i> .	A recent genus.																sian Mountains).
dissectum, Ettingsh.	Jüngste Grauw.								*		*		*	*			Altendorf.
Moravicum, "	"								*		*		*	*			"
Moravianites , <i>Göppert</i> , 1836.	Sec Sphenopteris — Tri c h o m a n i d e s .																
Trigonocarpus , <i>Brongniart</i> , 1828.	Fruits of Ta xi ne ous Con if er s or Sig ill ar ia.												*	*	*	*	
Actæonelloides, Geinitz.									*		*		*	*	*	*	

† These varieties (forms) in reality do not belong either to the same species or genus. (Schimper, Paléont. Végét. ii. 116.)

NORTH AMERICA.

Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Bertholletiformis,	Foster.	LCM.									*							Guernsey Co.
? ellipsoides,	Dawson.	LLS.																Poland Co. &c.
Hildrethi,	Lesq.	LCM.									*	*						Mabou Head and River.
Hookeri,	Dawson.	MCM.													*			Joggins.
intermedius,	"	MCM.													*			Murphysboro'.
juglans,	Lesq.	LCM.						*										Coshocton (sandstone).
magnus,	Newberry.	CM.								*								Joggins.
minus,	Dawson.	MCM.													*			Cuyahoga Falls.
multicarinatus,	Newberry.	Millstone Grit...								*								"
multistriatus,	"	LCM.								*								Pictou.
Nöggerathi,	Brngn.	LCM., U.								*				*				Trevorton. [Joggins.
oblongus,	Lindl. & H.	LCM.											*					Millburn's Spring. Sewanee base.
olivæformis,	"	LCM., M.								*		*		*				Cuyahoga Falls.
ornatus,	Newb.	M. Grit, LCM.								*								Grayville (White Co.).
rostellatus,	Lesq.	UCM.						*										Joggins.
rotundus,	Daws.	MCM.													*			Trevorton.
Saffordii,	Lesq.	MCM.										*						Joggins.
Schultzianus,	Göpp. & Berg.	LCM.											*					Cuyahoga Falls.
Sigillaria,	Daws.	MCM.												*				Summit (Mahoning Co.).
tricuspidatus,	Newb.	LCM.							*									Main Sewanee Coal.
trilocularis,	Hildreth.	Congl., LCM.							*				*					
spec. indet.,	Cox.	UCM.								*			*					
"	Bailey & Matthew.	MCM.								*						*		Danbury Co. Clones.
"	C. H. Hitchcock.	LCM.														*		
Triphyllopteris , Schimp. 1862?		<i>Cyclopteris</i> auct. ex p.																
valida,	Daws.	ORS. ?														*		Coal-measures, lower ?
Ulodendron , Lindley, 1831. <i>Rhode</i> .																		
commutatum,	Schimp.	CM.											*					Charleston.
elongatum,	Lesq.	LCM.							*									Morristown.
humile,	Daws.	MCM.													*			Sydney.
Lindleyana,	Sternb.	LCM.												*				Carbondale.
majus,	Lindl. & H.	LCM.							*									Salineville.
minus,	"	LCM.							*									Colchester.
punctatum,	"	LCM.											*					Carbondale.
Volkmannia , Sternberg, 1825.																		
aperta,	Lesq.	MCM.											*					Gate vein.
Dawsoni,	Williamson.	MCM.											*					"
<i>Bowmanites</i> .																		
lanceolata,	Lesq.	MCM.											*					"
tuberculata,	Brngn.	MCM.											*					"

EUROPE, &c.																			
Genus, Species, and Author.			Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIA PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROPE.	URAL.	ALTAI.	Locality.
amygdalinus,	Steininger.	MCM.	.....						*										Saarbruck (iron-sandstone).
areolatus,	Göpp. & Berg.	MCM. ?	.....						*										Kreuznach.
coronatus,	Göpp.	UCM.	.....											*					Chounle.
eycaidius,	Corda.	LCM.	.....											*					Radnitz.
cylindricus,	Brugn.	LCM.	.....					*											Langeac (Upper Loire).
Dawesii,	Lindl. & Hutt.	LCM., M.	.....			*								*					Bolton. Hayniehen.
dubius,	Brngu.	CM.	.....																?
ellipsoideus,	Göpp.	LLS., LCM.	.....						*				*	*	*				Eimelrod (Hesse). Mohradorf. Hay-
elongatus,	Steininger.		.....						*										Langeac (Upp. Loire). [nichen.
folliculus,	Corda.	LCM.?	.....											*					Radnitz.
Gloagianus,	Young.	L"	.....		*									*					High Blantyre (marine shale).
laeviusculus,	Göpp. & Fiedler.	MCM.	.....						*										Saarbruck.
Mentzelianus,	Göpp. & Berg.	LCM.	.....												*				Niedercainsdorf.
Nöggerathii,	Lindl. & H.		.....			*		*	*						*				Newcastle. Langeac. Rhenish Coal-
																			mines. Floha.
oblongus,	"	LCM.	.....			*													Pontrefract. Lancashire.
oliveformis,	"	LCM., M.	.....			*		*											Peelstone, near Bolton.
ovatus,	"	LCM., M., U.	.....			*	*	*											Ketley ironstone. Langeac.
Parkinsoni,	Brngu.	LCM.	.....			*	*		*						*				Leicestershire, Bochum, &c. Pilsen.
pedicellatus,	Göpp. & Fiedl.	MCM.	.....						*										Saarbruck.
Schultzianus,	" Berg.	MCM.	.....						*	*									" Myslowitz.
sporites,	Weiss.	MCM.	.....						*										"
sulcatus,	Sternb.	LCM.	.....										*	*					Radnitz.
ventricosus,	Göpp. & Fiedl.		.....					*					*	*					Langeac (Upper Loire).
Triphylopteris , Schimp. 1869?			.....																<i>Cyclopteris</i> auct. ex p.
Collombiana,	Schimp.	Metamorp. Rock.	.....					*											Thann (Vosges Sup.).
rhomboidea,	"		.....											*					Stradonitz
Tylo dendron , Weiss. Stigma		todendron	.....																Schizodendron . [(Saarbruck).
speciosum,	Weiss.	MCM. ?	.....						*										Ottweiler. Otzeuhausen. Ulmet
Ulodendron , Lindley, 1831. Le		pidodendron	.....																Rothenbergia , Cotta, &c.
Allani,	Buckl.	LLS.	.....		*														Craigleith (Edinburgh).
commutatum,	Schimp.	LLS.	.....				*	*		*				*					Upper Vosges, &c.
Coneybeari,	Buckl.	CM.	.....			*													Stapleton, near Bristol.
ellipticum,	Sternb.	LCM., M.	.....						*	*					*				Camen. Waldenburg. Petrowskaja.
Isee,	Ad. Röm.	LLS.	.....								*	*							Ilsenberg.
Lindleyanum,	Sternb.	LCM., M., U.	.....		*	*									*				Kilwinning, Shotts, Jarrow, Ketley,
																			&c.
Lucasii,	Buckl.	CM.	.....			*													Swansea (S. Wales).
majus,	Lind. & H.	M.G., LCM., M., U.	.....		*	*			*	*									Carluke. Wakefield. Bochum.
minus,	"	M.G., LCM., M., U.	.....		*	*			*	*									Craigleith. Collington. Yorksire.
minutum,	Sternb.	CM.	.....			*				*									Cramlington (Northumberland), &c.
ornatissimum,	Tate.	LCM.	.....			*													Stanhope (Durham).
ovale,	Carruth.	LCM.	.....			*													Edinburgh.
parinatum,	Steinh.	LLS., UCM.	.....		*	*													Etherley (South Durham).
pumilum,	Carruth.	LCM.	.....			*													Yorkshire.
"	Eichw.	LCM.	.....												*				Petrowskaja (Kharkhoff Gov.).
punctatum,	Lindl. & H.	MCM. ?	.....			*													Jarrow. Percy.
Schlegelii,	Eichw.	?	.....													*			Petrowskaja (Kharkhoff Gov.).
<i>Halonina punctata</i>.			.....													*			
Stokesii,	Buckl.	LCM., M.	.....			*			*										Seesberg.
Taylori,	Carruth.	LCM.	.....			*													Lithlithgowshire. [hoff].
transversum,	Eichw.	LCM.	.....												*				Petrowskaja, near Isjoume (Khark-
tumidum,	"	LCM.	.....												*				" " "
? Vetacapsula , Mackie, 1865.			.....																
Cooperi,	Mackie.	LCM.	.....			*													Fruit of <i>Calamites</i> .
Volkmanina , Sternberg, 1825.			.....																
clavata ?,	Ad. Röm.	MCM.	.....							*	*	*	*	*					Gelsenkirchen. Ilsenburg. Radnitz.
elongata,	Presl.	MCM.	.....						*	*	*	*	*	*					Terrasson.
erosa,	Brngu.		.....					*						*					Gelsenkirchen, &c.
gracilis,	Sternb.	MCM.	.....						*	*				*					
<i>Calamostachys typica</i>.			.....																
grandis,	Sauveur.	CM.	.....			*													Wettin, &c.
major,	Germer.	MCM. ?	.....					*						*	*				
<i>Calamostachys typica</i>.			.....						*						*	*			
Morrisii,	Hooker.	LCM.	.....		*														Carluke. High Blantyre.
polystachia,	Kirkby & Duff.		.....		*	*	*		*										Felling, Etherley, Waldenburg, &c.
sessilis,	Presl.	CM.	.....						*					*					Klein-Priesen.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.																Locality.
		ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	
Walchia , <i>Sternberg</i> , 1825.																	
<i>gracilis</i> ,	Daws. UCM. ....												*	*	.....		Tatamagouche, &c.
<i>Araucarites</i> .																	
<i>robusta</i> ,	„ UCM. ....													*	.....		„
<i>Araucarites</i> .																	
Whittleseya , <i>Newberry</i> .																	
<i>elegans</i> ,	Newb. LCM., Coal 1 B. ....										*	.....	*	.....			Mahoning Mine and Summit Co. (Amer. Journ. Sci. xxvi. 2nd ser. p. 112).

KINGDOM ANIMALIA. SUBKINGDOM PROTOZOA. PROVINCE ASTOMATA. CLASS AMORPHOZOA.

NORTH AMERICA.												
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	LOCALITY.
Acteonina , <i>Winchell</i> .												
minuta?, Winchell.	Kinderh.				*							Clarkesville.
Conopterium , <i>Winchell</i> .												
effusum,	Kinderh.				*							"
Sphenopoterium , <i>Meek and Worthen</i> , 1860.												
compressum, Mk. & Worth.	L'''							*				Nauvoo.
cuneatum, "	L' or L'''							*				Spergen Hill.
enorme, "	Kinderh.			*				*				Clarkesville. Rockford.
var. depressum, "	"							*				Salt Lick Point. Monroe Co.
obtusum, "	L'							*				Nauvoo.
Stromatopora , <i>Goldfuss</i> , 1830.												
alternata, Hall & Whitfield.	Kinderh.				*							Rockford. Hackberry.
expansa, " "	"				*							" "
incrustans, " "	"				*							" "
<i>Cænostroma</i> .												
planulata, Phill.	"				*							" "
solidula, Hall & Wh.	"				*							" "

KINGDOM ANIMALIA. SUBKINGDOM PROTOZOA. PROVINCE ASTOMATA. CLASS FORAMINIFERA.

NORTH AMERICA.												
Genus, Species, and Author.	Horizon.	CALIFORNIA.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	SOUTH IOWA.	MICHIGAN.	SOUTH ILLINOIS.	SOUTH INDIANA.	OHIO.	LOCALITY.
Acteonina , <i>Swallow</i> ?												
minuta, ?	.....					*						Rye Creek (Adair Co.).
Amphistegina , <i>D'Orbigny</i> , 1826.												
spec. indet., C. A. White.	.....					*						Pottawattamie Co.
Calcarina , <i>D'Orbigny</i> .												
ambigua, Brady.	UCM.					*	?					
Endothyra , <i>Phillips</i> , 1843.												
Bowmani, Phillips.	UCM.							*				?

KINGDOM ANIMALIA. SUBKINGDOM PROTOZOA. PROVINCE ASTOMATA. CLASS AMORPHOZOA.

[illegible]

KINGDOM ANIMALIA. SUBKINGDOM PROTOZOA. PROVINCE ASTOMATA. CLASS FORAMINIFERA.

ALVEOLINA.]

[CARBONIFEROUS.

EUROPE, &c.																
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	SPAIN.	CARINTHIA.	RUSSIA.	CAUCASUS.	ARMENIA.	CARPATHIAN MTS.	NORTH ITALY.		Locality.
Alveolina , <i>Bosquet and D'Orbigny</i> .																
prisca,	Ehrenb.	.....			*											
sphaeroidea,	L''	.....			*				*		*					Toula. Azerbeidjan.
Amphistegina , <i>D'Orbigny</i> , 1826.																
minuta,	Brady.	?			*											Leigh Woods (Bristol). Forami-
Archæodiscus , <i>Brady</i> .																mifera beds.
Karreri,	Brady.	L', UCM.			*	*										Brockley. Craigenglen. North-
Bigenerina , <i>D'Orbigny</i> , 1826?																umberland.
patula,	Brady.	LCM.			*	*			*							Mt. Lothian. Fullarton. Elfhills
Calcarina , <i>D'Orbigny</i> , 1826?																Quarry. Zarew-Kurgan.
ambigua,	Brady.	L''				*										D'Arquet (2nd lower bed).
Climacammina , <i>Brady</i> .																
antiqua,	Brady.	L', L'''			*	*			*							Fidler's Burn, Edinb. Gt. Orme's
Endothyra , <i>Phillips</i> , 1843.																Head. Zarew-Kurgan.
ammonoides,	Brady.	LCM., U.			*	*										Braidwood, Gair, Northumberl., &c.
Bownani,	Phill.	L', L''', LCM., U. *	*		*	*				*						Bundoran, Gair, Northumberland,
<i>Rotalia antiqua</i> .																Stafford, Westmoreland, Great Orme's Head, &c.

[illegible]

		EUROPE, &c.												Locality.
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	SPAIN.	CARINTHIA.	RUSSIA.	CAUCASUS.	ARMENIA.	CARPATHIAN MTS.	
crassa, globulus,	Brady.	LLS., L', L'''	...	*	*	*	...	...	...	*	...	...	...	Ridsdale. Gt. Orme's Head. Visé.
	Eichw.	L', LCM., U.	...	*	*	*	...	...	...	*	...	...	...	Abden. Skellygate. Fond d'Arquet.
macella, obliqua,	Brady.	LCM.	...	*	*	*	...	...	...	...	...	...	...	Sloboda.
	"	"	...	*	*	*	...	...	...	...	...	...	...	Castle Espie. Abden. Coquetdale.
ornata, var. tenuis,	"	LLS.	...	*	*	*	...	...	...	...	...	...	...	burn. Ridsdale.
	"	"	...	*	*	*	...	...	...	...	...	...	...	Castle Espie. Ridsdale.
radiata,	"	L''', LCM., U.	...	*	*	*	...	...	...	...	...	...	...	Bonshawburn. Fal-
	"	"	...	*	*	*	...	...	...	...	...	...	...	lowlees.
subtilissima, Fusulina, Fischer de Waldheim, 1829.	"	LCM., U.	...	*	...	*	...	...	...	...	...	...	...	Gair. Abden. Fallowlees. D'Ar-
	antiquior, Rouillier & Vosinsky.	L''	...	...	...	...	...	...	...	...	...	...	...	quet.
constricta, cylindrica,	Ehrenb.	L'	...	...	...	...	...	...	*	*	...	...	...	Poniel Water. Fond d'Arquet?
	Fischer.	L', L'', UCM.	...	...	...	...	...	...	*	*	...	*	*	Mjatschkovo, near Moscow.
Alveolina montepara. Fusul. prisca. F. depressa.	var. ventricosa, Meek & Hayd.	UCM.	...	...	...	...	...	...	...	...	...	...	...	Vitegra, River Dwina.
	hyperborea, Salter.	L'	...	...	...	...	...	...	...	*	...	...	...	Vitegra.
Borelis constricta, Ehrenb.	labyrinthiformis, Ehrenb.	L''	...	...	...	...	...	...	...	*	...	...	...	River Dwina.
	Fusul. sphaeroidea.	"	...	...	...	...	...	...	...	*	...	...	...	"
palæolophus, Borelis palæolophus.	Orobias equalis, Eichw.	L''	...	...	...	...	...	...	...	*	...	...	...	Sumatra Isl. (E. I.). River Dwina.
	princeps, Ehrenb.	L''	...	...	...	...	...	...	...	*	...	...	...	Pinegra (Archangel).
robusta, sphaeroidea,	Meek.	...	...	...	...	...	...	...	...	*	...	...	...	Carinthian Alps, passim (Stache).
	Ehrenb.	CL.	...	...	...	...	...	...	...	*	...	...	...	Vitegra.
Alveolina sphaeroidea. Borelis sphaeroidea. B. palæosphærica. B. labyrinthiformis. Fusul. sphaerica, Abich.	Haplophragmium, Reuss.	rectum, Brady.	...	...	*	...	...	...	...	...	...	...	...	Grassington Lead-Mines, Yorkshire.
	Involutina, Terquem.	conica = Valvulina palæotrochus, Ehrenb.	...	...	...	...	...	...	...	...	...	...	...	
lobata = Endothyra Bowmani. radiata = Endothyra radiata, Brady.	spec. indet.,	...	...	...	...	...	...	...	...	...	...	...	...	
	Lagena, Walker and Jacob, 1784.	Howchiniana, Brady.	...	...	*	...	...	...	...	...	...	...	...	Fourstones Quarry, Ridsdale.
Labouriana, Parkeriana,	"	"	...	...	*	...	...	...	...	...	...	...	...	" " Elfhills.
	"	L'''	...	...	*	...	...	...	...	...	...	...	...	" " Elfhills.
Lituola, Lamarck, 1804.	Benniciana, Brady.	...	...	*	*	...	...	...	...	*	...	...	...	Mt. Lothian. Flemalle. Mjatschkovo.
	nautiloidea, Lam.	LLS.	...	...	*	...	...	...	...	*	...	...	...	Ridsdale. Skellygate. Northumber-
Nodosinella, Brady, 1876.	concinna, Brady.	LCM., U.	...	...	*	...	...	...	...	...	...	...	...	[land.
	digitata, "	L''	...	...	*	...	...	...	...	...	...	...	...	Cowden. Belstonburn.
lingulinoidea, Nonionina, D'Orbigny, 1826.	"	L'''	...	...	*	...	...	...	...	...	...	...	...	Fond d'Arquet (Namur).
	rotula, D'Orb.	LCM.	...	...	...	...	...	...	...	*	...	...	...	" ?
Nummulina, D'Orbigny, 1826.	pristina, Brady.	L''	...	...	*	...	...	...	...	...	...	...	...	Sloboda.
	Pulvinulina, Parker and Jones, 186 ?	L'''	...	...	*	...	...	...	...	...	...	...	...	Fond d'Arquet.
Broeckiana, Rotalia, Lamarck, 1804.	Brady.	L'''	...	...	*	...	...	...	...	...	...	...	...	"
	Rotalina, D'Orb., 1826.	LCM.	...	...	...	...	...	...	...	*	...	...	...	Toula.
antiqua, Saccammina, Sars, 1868.	Carteri, Brady.	LLS., L'''	...	*	*	*	...	...	...	...	...	...	...	Levenscat. Durham. Visé.
	Stacheia, Brady, 1876.	acervalis, Brady.	L'''	...	*	*	...	...	...	...	...	...	...	Carlops. Gair. Northumberland.

EUROPE, &c.																
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	SPAIN.	CARINTHIA.	RUSSIA.	Caucasus.	ARMENIA.	CARPATHIAN MTS.	NORTH ITALY.		Locality.
congesta,	Brady.	LLS., L'''	*	*												Abden, Braidwood, Ridsdale. &c. Northumberland.
fusiformis,	"	LLS., L'''	*	*												Capelrig, &c. Coquetdale. Northumberland.
marginulinoides,	"	L'''	*	*												Poniel Water. Cowden. Swaledale. Yorkshire.
polytrematoides,	"	LLS., L'''	*	*												Braidwood. Gair. Yorkshire. Northumberland.
pupoides,	"	L', L'''	*	*												Carlops. Abden. Yorkshire. Northumberland.
Textularia , DeFrance, 1824.																
eximia,	Eichw.	LLS., L', L'''	*	*	*	*			*							Craigenglen. Northumberland. Yorkshire. Visé. Sloboda (Toula).
gibbosa,	D'Orb.	LLS., L', L'''	*	*	*	*			*							Fidler's Burn. Northumberland.
Trochammina , Parker and Jones, 1869.																Zarew-Kurgan.
anceps,	Brady.	LCM., L'''	*	*												Gleniston. Burlage. Cumberland. Northumberland. Yorkshire.
annularis,	"		*	*												Calderside (Lanark). Elphills.
centrifuga,	"	LLS., L''', LCM., U.	*	*												Poniel Water. Ridsdale. Northumberland. Yorkshire.
filum,	Schmid.	L'''		*												Grassington Lead-Mine.
gordialis,	Parker & Jones.	L'''	*	*	*											South Shields, &c. Northumberland. Flemalle (Liège).
incerta,	Brady.	L', L'''	*	*							*					Abden, &c. Ridsdale, &c. (Northumberland).
pusilla,	Gein.	L', L'''	*													Beith. Barmulloch.
Robertsoni,	Brady.	UCM.	*													Gair. Gillfoot House. Westerhouse. Lanark.
Valvulina , D'Orbigny, 1826.																
bulloides,	Brady.	L', L'''			*				*							Fond d'Arquet. Mjatschkovo.
decurrens,	"	L', L'''	*	*	*											" 2nd lower bed.
palæotrochus,	Ehrenb.	L', L', L'''	*	*	*	*			*							Castle Espie. Fullarton. Shellygate. D'Arquet.
var. compressa,	Brady.	L', L'''	*	*	*											Bundoran. Braidwood. Belsay.
plicata,	"	L', L'''	*	*												Abden, &c. Fallowlees.
rudis,	"	L', L'''	*	*					*	?						Fidler's Burn. Newton-on-Moor.
Youngi,	"	L', L'''	*	*	*				*							Gair. Carlops. Fallowlees.
var. contraria,	"	L'''	*	*												South Shields, Boscobie, Hurst, Swaledale, &c.

SUBKINGDOM CŒLENTERATA, *Frey and Leuckart*. ZOOPHYTA, *Linn.* CLASS ACTINOZOA.SUBCLASS CORALLARIA, *Milne-Edwards*. ACTINOIDEA, *Dana*.

NORTH AMERICA.												
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	LOCALITY.
Alveolites , <i>Lamarck</i> , 1801. Rockfordensis,	Kinderh.								*			Rockford.
Amplexus , <i>Sowerby</i> , 1814. coralloides, M.-Edw. & H. L'						*		*				Burlington, Warsaw, &c.
fragilis, White & St. John. L"				*	*							Keokuk, &c.
Henslowi, M.-Edw. & H.											*	
ibicinus, Fischer. Upper CL.				*								River Platte (mouth).
spinus, De Kon. L' ?										*		In micaceous sandstone.
<i>Cyathaxonia</i> . spec. indet., ?												Arctic archipelago.
Astræopora , <i>M'Coy</i> , 1844. Palæacis . cyclostoma, Phill. Kinderh.				*			*	*				Clarksville. Saltlick Point. Rockford.
Axophyllum , <i>Milne-Edw. and Haime</i> , 1850. rudis, White & St. John. UCM.						*						Madison and Ringold Counties.
spec. indet., " "						*						
Callopora , <i>Hall</i> , 1852. Missouriensis, Rominger.				*								
punctata, Hall.							*					

SUBKINGDOM CŒLENTERATA, *Frey and Leuckart*. ZOOPHYTA, *Linn.* CLASS ACTINOZOA.

SUBCLASS CORALLARIA, *Milne-Edwards*. ACTINOIDEA, *Dana*.

EUROPE, &c.																		
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.	
Palæocoryne , <i>Duncan & Jenkins</i> , 1869. Tubulari	ne	H	y	DR	oz	oa	.										[Lanarksh.	
radiata, Duncan.	LLS., L', L'''	*															Climpsy, Roughwood, &c.	Ayrshire.
Scotica, "	L', L'''	*															Robroyston.	Auckenkirch.
var. "	L', L'''	*															Hairnyres.	Carluke.
Alveolites , <i>Lamarek</i> , pars, 1801. <i>M.-Edw. & H. Cla</i>	ss	II.	A	CT	IN	IA	.											
depressa, Fleming, L', L'''	...	*	*	*										*			Armagh.	Carluke. Kendal. Petschora.
Goldfussi, Michelini. CL.	...	*															Tournai.	
irregularis, Kön. L'	...			*													Timor (East Archipelago).	
Macklon, Beyrich. ?	...																	
palmata, M'Coy. CL.	...	*																
septosa, Flem. LLS., L'	...	*	*	*													Howrat, Caterraig, &c.	Exp. Sh. 22.
Amplexus , <i>Sowerby</i> , 1814.																		
arundinaceus, Lons.	...																India.	Barber's, N. S. Wales.
coralloides, Sow. LLS., L', L'''	...	*	*	*	*	*	*							*	*		Cappage, Broadstone, Bolland, Tour-	
cornuarietis, De Kon. L'	...			*										*			Tournai, &c.	[nai, Etraeungt. &c.
cornuformis, Ludwig. CL.	...			*										*			Waulsort.	Kalouga.
cornucopia, Michelini.	...			*													Styria also.	
Haimeanus, De Kon. L'	...			*													Tournai.	
Henslowi, M.-Edw. & H. L', L'''	...	*	*	*	*	*											South Shields, Isle of Man, Visé, &c.	
ibicinus, Fischer. L''	...	*	*	*	*									*			Fermanagh, Staffordsh., Moscow, &c.	
lacrymosus, De Kon. L''	...			*													Waulsort.	Dinant.
nodulosus, "	LLS., L', L'''	*	*	*	*	*											Cloncastle, Visé, &c.	
robustus, "	L'			*													Celle. Tournai.	Anseremme.
serpuloides, "	LLS., L'	*	*	*	*												Waulsort.	
spinosus, "	L'	*	*	*	*												Poniel Water, Staffordsh.	Tournai.
Anisophyllum , <i>Milne-Edw. and Haime</i> , 1850.																		
connivens, M.-Edw. & H.	...													*			Alexina (Govt. Toula).	
Aspidiophyllum , <i>Thomson and Nicholson</i> , 1876.																		
elegans, Nichols. & Th. CL.	...	*																
Huxleyanum, "	CL.	*															Lesmahago.	
Koninckianum, Thomson. CL.	...	*															Ayrshire.	
spec. indet., "	CL.	*																
Astræopora , <i>M'Coy</i> , 1844. <i>Palæacis</i> , <i>Haime</i> , 1860.																		
cyclostoma, Phill. LLS., L', L'''	...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Clare. Northumberl.	Tournai. Glatz.
obtusa, M. & W. L'	...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hook Point, apud M. de Koninck.	
Aulophyllum , <i>M.-Edw. & H. Cy</i>	<i>lophyllum</i> , <i>Duncan & Thomson</i> , 1876.																	
Bowerbankii, M.-Edw. & H. CL.	...	*															No locale given.	
Edwardsii, Duncan & Thoms. CL.	...	*																
fungites, var., M'Coy. L'	...	*	*	*													Beith.	Lowick.
Haimeanum, Eichw. L', L''	...													*			Alexinc (Moscow).	
inflexum, "	L', L''													*			Kildare.	Derlyshire.
prolapsum, M.-Edw. L'?	...	*	*	*														
<i>fungites.</i>																		
Aulopora , <i>Goldfuss</i> , 1829.																		
campanulata, M'Coy. LLS., L''	...	*															South Ireland.	
gigas, "	L'	*		*	*												Hookhead.	Durham. Tournai.
glomerata, Ludw. L''?	...			*										*			Lithwinsk ? (Govt. Perm).	
hians, Eichw. L''	...			*										*			Moscow.	
repens, Dames. CL.	...			*					*								Oberkunuzendorf.	
serpens ?, Goldf. CL.	...			*														
Axophyllum , <i>Milne-Edw. and Haime</i> , 1850.																		
? costatum, M'Coy.	...																	
expansum, M.-Edw. & H. L'''	...			*													Visé.	
Haimeanum, Kon. L'''	...			*													"	
Konincki, M.-Edw. & H. L'''	...			*													"	
radicatum, Kon. L'''	...			*													"	
Buccula , <i>Eichwald</i> , 1859.																		
parallela, Eich. L'	...													*			Slohoda (Govt. Toula).	

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Campophyllum , <i>M.-Edw. and</i>		<i>Haime</i> , 1850.																
nanum,		L'					*			*								Rockford (in marls).
torquium,	Swallow.	UCM.		*		*	*		*									Appenoose Co.
spec. indet.,	White.	UCM.					*	*										
Chætetes , <i>Fischer</i> , 1837.																		
capillaris,	Keyserl.	UCM.				*				*		*	*					
milleporaceus,	Swall.	LCM., U.				*	*			*		*	*					Barton Co., Pottawottami Co., Mt.
tumidus,	M.-Edw. & H.	CL.													*			Cumberland, &c.
Clisiophyllum , <i>Dana</i> , 1846.																		
Gabbi,	Meek.	?																Sierra Nevada (California).
tumulum,	Salter.	?																Arctic archipelago.
Cyathaxonia , <i>Michelini</i> , 1846.																		
cornu,	Michelini.	UCM.			*													Nebraska City (limestone).
cynodon,	Rafin. & Cl.	L'										*	*	*				Louisville. Jefferson Co.
profunda,	De Kon.	LCM.								*								Flint Ridge.
prolifera,	Cox.	CL.							*									Sullivan Co. (shelly limestone).
tortuosa,		UCM.			*													Mouth of River Platte.
spec. indet.,	Shum.	L"			*	*												Archimedes limestone.
"	C. E. White.	CL.				*	*							*				Calcareous shale.
Cyathophyllum , <i>Goldfuss</i> , 1826.																		
Billingsi,		.....																
fungites,	Stevens?	UCM.						*										Springfield.
subcæspitosum,	Meek.	?																Lincoln valley (Maryland).

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Campophyllum , <i>M.-Edw. and</i>	<i>Haime</i> , 1850.																
analogum, Kon.	L'			*													Tournai.
compressum, Ludw.	L'																Central Germany.
conicum, Fischer.	L'			*									*				Moscow?
Duchateli, * M.-Edw. & H.	L'			*													Mons.
Murchisoni, "	L'			*													Bristol? Tournai.
Beaumontia , <i>M.-Edw. and Haime</i>	<i>e</i> , 1851.																
Egertoni, M.-Edw. & H.	CL.	*	*														Scarapagh (Fermanagh).
laxa, M'Coy.	.....			*													Derbyshire. Staffordshire.
Caryophyllia , <i>Lamarck</i> , 1801.	In recent and tertiary times.																
affinis, Fleming.	L', L'	*	*	*													Kulkeah. Mt. Castleton. Settle.
duplicata, Martin.	L', L'			*													Bakewell. Kendal. Visé.
fasciculata, "	L'			*													Bristol. Visé.
hians?, Eichw.	L'													*			
sexdecimalis, Phill.	L', L'	*	*	*													Burdie House. Mold. Pennyghent.
Chaetetes , <i>Fischer</i> , 1837.																	
cylindraceus, Eichw.	L'													*			Mjatschkovo (Moscow).
var. concentricus, "	L'																&c.
depressus, Fleming.	.....	*	*	*										*			Yorkshire, Bristol, &c.
dilatatus, Fischer.	L'			*										*			Kendal. Borowitschi.
dubius, M'Coy.	L', L'	*	*														
excentricus, Fischer.	L'													*			Govts. Moscow, Toula, &c.
fastigiatus, Eichw.	L'													*			Alexine (Govt. Toula). Moscow.
jubatus, Fischer.	L'													*			Vitegra (Olonetz). Borowitschi.
Koninckianus, D'Orb.	L'				*									*			Tournai. (Novgorod).
radians, Fischer.	L', L'			*										*			Kendal. Bristol. Valdai Hills.
septosus, Fleming.	.....	*	*	*										*			Derbyshire. N. Wales.
tumidus, Phill.	LLS., L', L'	*	*	*										*			Gair, Bourrock, Visé, &c.
Chonaxis , <i>Milne-Edwards and Haime</i>	<i>e</i> , 1850.																
Verneilli, M.-Edw. & H.	LLS.													*			Tver.
Cladochonus , <i>M'Coy</i> , 1847. Jania , <i>M'Coy</i> , 1844.																	
? antiquus, M'Coy.	LLS., CL.	*															Not a <i>Cladochonus</i> (De Koninck).
? bacillaris, "	LLS., L'			*													Alstonfield. Dovedale.
? brevicollis, "	CL.			*													Derbyshire (a young <i>Syringopora</i>).
crassus, "	CL.	*	*	*													Loughshinny. Derbyshire.
Labechii, M.-Edw. & H.	CL.			*	*												?
Michelini, "	L'			*													Tournai.
? tenuicollis, M'Coy.	?																India or Australia.
Clisiophyllum , <i>Dana</i> , 1846.																	
australe, Beyr.	?																Timor.
bipartitum, M'Coy.	L'		*	*													Beith (shale). Derbyshire.
Bowerbankii, M.-Edw. & H.	CL.	*	*	*													Derbyshire?
coniseptum, Keyserl.	L', L'	*	*											*			Langside shale. Derbys. Petschora.
Edwardsii, M.-Edw. & H.	CL.	*															
Haimeii, "	L'					*											Etraungt (N. of France).
Indicum, De Kon.	?																Punjaub.
Keyserlingii, M'Coy.	L', L'		*	*	*												Poniel Water. Derbyshire. Visé.
turbinatum, "	L', L'	*	*	*	*												Ballingarane. Arbigland. Beith.
Verneullianum, De Kon.	L'	*	*	*	*												Visé. (Waulsort).
spec. indet., Dunc. & Thoms.	.....			*	*	*											West and Middle Scotland.
Columnaria , <i>Goldfuss</i> , 1826. Beaumontia , <i>Milne-Edwards</i> .																	
senilis, De Kon.	L'			*	*	*											Visé.
solida, Ludw.	L'													*			River Usuru (Govt. Perm).
Cyathaxonia , <i>Michelini</i> , 1846.																	
aperta, Ludw.	?													*			?
carinata, "	Spirif. Limest.													*			Kisclowski (Prov. of Perm).
cineta, "	?													*			" "
cornu, Michelini.	L'	*	*	*													Brockley shale. Derbysh. Tournai.
costata, M'Coy.	CL.	*	*	*													Derbyshire.
gracilis, Ludw.	.....													*			Kisclowski? (Prov. of Perm).
Koninckii, M.-Edw. & H.	L'			*										*			Tournai (rare). Famignoul.
squamosa, Ludw.	?													*			Kim Simpsk. Alexandrowsk (Prov. of Perm).
tortuosa, Michelini.	L', L'	*	*	*										*			Tournai. Famignoul. (Perm).
Cyathophyllum , <i>Goldfuss</i> , 1826.																	
ananas, Goldf.	?			*													Malmedy (M. Dewalque).
Archiaci, M.-Edw. & H.	L' &c.	*	*														Llanwryst. N.W. Kendal.
arietinum, Keyserl.	L'													*			Ylytch (Western Ural).
? Boloniense, Blainv.	L'													*			Yelatma (Govt. Tamboff).
? cæspitosum, Goldf.	?			*										*			Malmedy. Malowka (Govt. Toula).

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Ethmophyllum , <i>Meek</i> .																	
<i>gracile</i> , Meek.	?																Silver Peak, Nevada (California).
<i>Whitneyi</i> , "	?																" " "
Favosites , <i>Lamarck</i> , 1816.																	
<i>formosus</i> , Phill.																	North America (De Koninck).
<i>maneus</i> , Winch.	Kinderh.					*		*									Rochford.
<i>parasitica</i> , Ludw.	" L'									*							Buttonmould Knobs.
Fistulipora , <i>M. Coy</i> , 1849.																	
<i>compressa</i> , Rominger.	L''					*											La Grange (Keokuk limestone).
<i>flabellum</i> , "	L''							*									Spergen Hill (Warsaw limestone).
<i>nodulifera</i> , Meek.				*	*												Vernon Co. Gallatin Co. Honey Creek.
<i>occidens</i> , Hall.	Kinderh., L'					*?		*?									Rockford.
<i>peculiaris</i> , Rominger.	L''					*											La Grange (Keokuk limestone).
<i>Spergenensis</i> , "	L''							*									Spergen Hill (Warsaw limestone).
<i>trifolia</i> , "	L''			*													La Grange (Keokuk limestone).

EUROPE, &c.																	
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
calamiforme,	Ludw.	L'', CM.												*			Uswa River.
celticum,		LLS.	*											*			Ballea (River Owenboy).
corniculum,	Keyserl.	?												*			Ylytch (Western Ural).
crenulare,	Phill.	L''			*												Clitheroe (Lancashire).
dianthoides,	M'Coy.	L'			*												Arnside (Westmoreland).
excentricum,	Goldf.	?					*										Dusseldorf. Ratingen.
fungites.	Fleming.	L'		*	*	*	*										Beith. Lowick. Bolland. Visé.
<i>Autophyllum.</i>																	
helianthoides,	Goldf.													*			Tomsk. Kirgese Steppe.
Koninckii,	M. Edw. & H.	L'''			*												Visé.
ibicinum,	Fischer.	L''												*			Spitzbergen. Mjatschkovo.
multiplex,	Keyserl.	CL.			*	*								*	*		Frome. Kendal. Tournai. Ylytch.
Murchisoni,	M.-Edw. & H.		*		*	*			*								Lisardrea, Arnside, Clifton, &c.
paracida,	M'Coy.	L', L''		*	*												Bathgate. Bakewell.
petiolatum,	Fischer.													*			?
pseudo-vermiculare,	M'Coy.	L', L''		*	*	*								*			Killtullagh. Arnside, &c.
quadrigenum,	Goldf.	?				*											Malmedy (Dewalque). [well.
regium,	Phill.	L', L'''		*	*	*											Dysart (Queens Co.). Bathgate. Bake-
Stutchburyi,	M.-Edw. & H.	L', L''		*	*												Florence Court, Bolland, Durham, &c.
<i>expansum.</i>																	
turbinatum,	Goldf.	L' ?	*		*												Benburb (Tyrone). Malmedy.
Wrightii,	M.-Edw. & H.				*												Frome (Somersetshire).
Cyclophyllum,	<i>Duncan and Thomson, 1868.</i>																
Bowerbanki,	M.-Edw. & H.	L'		*													South Shiells Farm, Dalry.
fungites,	Fleming.	LLS., L'	*	*	*												Hagshaw-burn (Lauarksh.), Arbig- land, Lockridge, &c.
prolapsum,		LLS., CL.			*												?
Dendropora,	<i>Michelini, 1845.</i>																
explicita,	Michelini.	?															Icones, p. 187, tab. 48. fig. 6.
megastoma,	M'Coy.	CL.			*												Derbyshire.
Dibunophyllum,	<i>Thomson and Nicholson, 1876.</i>																
M'Chesneyi,	Thoms. & Nichols.	CL.			*												Lesmahago.
Muirheadi,		CL.			*												Ayrshire.
Diphyphyllum,	<i>Lonsdale, 1845.</i>																
concameratum,	Keyserl.													*	*		River Ylytch.
concinnum,	Lonsd.	L''			*	*								*	*		Bristol. Corwen. Tehirief. River
fasciculatum,	Keyserl.	L', L'''			*	*								*	*		Visé. [Issetz.
gracile,	M'Coy.	L'			*												Lowick (Northumberland).
ibicinum,	D'Orb.	L'												*			River Soiva (River Petschora).
Duncania,	<i>De Koninck, 1871.</i>																
simplex,	De Kon.	L'''			*												Dos, near Engis.
Emmonsia,	<i>Milne-Edwards and Haime, 1851.</i>																
alternans,	M.-Edw. & H.	L'			*												Tournai. Famignoul.
Favosites,	<i>Lamarek, 1816.</i>																
cylindrica,	Michelini.				*												(few species in Carboniferous).
dentifera,	Phill.	L'''			*												Isle of Man. Bolland. Derbysh.
Haimeana,	De Kon.	L'	*		?	*											
incrustans,	Phill.	L''			*	*											Bolland. Staffordshire.
inflata,	De Kon.	L'''			*	*											Visé.
infundibuliformis,	D'Arch.													*			
parasitica,	Phill.	L', L'', L'''	*	*	*	*	*										Roscommon. Rae's Gill. Bolland.
reticulata ?,	Blainv.	L'			*	*			*								Chatburn. Oberkunuzendorf.
tenuisepta,	Phill.	L'''			*	*											Bolland.
tumida,	"	CL.	*	*	*	*											Kulkeag. Kendal. Derbyshire.
Fistulipora,	<i>M'Coy, 1849.</i>																
major,	M'Coy.	CL.			*												Derbyshire.
minor,	"	CL.			*	*											
Mülleri,	"	?															Timor, by New Guinea.
Gorgonia,	<i>Linnæus, 1748?</i>																
dubia,	Schloth.	L'''			*												Visé.
Goldfussiana,	De Kon.	L'''			*												"
Lonsdaliana,	M'Coy.	CL.	*														
retiformis,	Schloth.	L'			*	*											Feluy. Tournai.
ziczag,	M'Coy.	LLS.	*		*	*											Granard, &c.
Hadrophyllum,	<i>Milne-Edwards and Haime, 1850.</i>																
Edwardsianum,	De Kon.	L'			*	*											
Heliolites,	<i>Dana, 1846.</i>																
carbonarius,	Eichw.	LCM.			*	*								*			Sloboda (Govt. Toula).

NORTH AMERICA.

Genus, Species, and Author.		Horizon.	ARKANSAS. KANSAS. NEBRASKA. MISSOURI. IOWA. MICHIGAN. ILLINOIS. INDIANA. OHIO. KENTUCKY. TENNESSEE. PENNSYLVANIA. NOVA SCOTIA. CAPE BRETON. NEW BRUNSWICK.	Locality.
Leptopora , Winchell, 1863. typica,	Winch.	Kinderhook.....	*	Burlington (yellow sandstone).
Lithostroton , Fleming, 1827. basaltiiforme, caespitosum, Californense, Canadense, floriforme,	Fleming. Meek. Castlenau.	 UCM. <i>L'</i>	 * * *	Bathurst Isle (Arctic sea). North America (De Koninck). Sierra Nevada. St. Louis. Alton. Passim in Tennessee.
Lonsdaleia , McCoy, 1849. rugosa,	M'Coy.	.....	.....	California (Meek).

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROPE.	URAL.	ALTAI.	Locality.
floriformis,	Fleming.	L', L''													*	*		Govts. Toula, Rjazan, Moscow, Nov-
inconfertus,	Lonsd.	L'''													*	*		East flank, near Mjask. [gorod.
interinctus,	Linn.	L''													*	*		Alexine (Govt. Toula).
papillata,	Fischer.	L''													*	*		Near Kalomne (Govt. Moscow).
porosa,	Goldf.					*									*	*		Malmédy (Dewalque).
Heliophyllum , Hall.	Strephodes , M'Coy, 1848.														*	*		
arietinum,	Ludw.	CL.													*	*		Kiselowski (Prov. of Perm).
colosseum,	"	CL.													*	*		Vladimir "
denticulatum,	"	CL.													*	*		Kiselowski "
gracile,	"	CL.													*	*		" "
humile,	"	CL.													*	*		Lithwinsk "
multiplex,	"	CL.													*	*		Kiselowski "
Heterophyllia , M'Coy, 1849; Duncan.																		
angulata,	Duncan.	L'		*														Brockley.
grandis,	M'Coy.	CL.		*														Derbyshire.
granulata,	Duncan.	CL.		*														
Lyelli,	"	L', L'''		*														Craigenglen. Craighburn (Douglas).
M'Coyii,	"	L', L'''		*														Craighburn.
mirabilis,	"	L'		*														Robroyston.
ornata,	M'Coy.	CL.		*														Derbyshire.
Sedgwickii,	Duncan.	L'		*														Brockley.
Hydnophora , Fischer, 1807.																		
cyclostoma,	Phill.	L'		*														Durham (G. Tate).
Koninckophyllum , Thomson and Nicholson, 1876.																		
interruptum,	Thoms. & Nichols.	CL.		*														Lesmahago.
Lindströmi,	"	CL.		*														
magnificum,	"	CL.		*														
proliferum,	"	CL.		*														Linlithgow.
radiatum,	"	CL.		*														Fifeshire.
Laceripora , Eichwald, 1859.																		
? cribrosa,	Eichw.	L.													*	*		Karowa (Govt. Kalouga).
Lithodendron , Phillips, 1835.	Lithostrotion , M'Edw.																	
affine,	Fleming.	L.S., L'		*	*	*												Howth, Castleton, Durham, &c.
aggregatum,	M'Coy.	L'''		*	*	*												Tobereurry. Corwen.
irregulare,	Phill.			*	*	*									*	*		Riv. Shannon. Dalry. Bristol. Ilinsk.
juncum,	Fleming.	L.S., L', L'', L'''		*	*	*	*								*	*		Maryboro', Rutherglen, Mold, Visé,
Phillipsii,	M.-Edw.	L'		*	*	*									*	*		Ylytch. [&c.
sociale,	Phill.	L.S., L'		*	*	*												Florence Court. Settle.
Lithostrotion , Fleming, 1827; L'wyd, 1669. Stylax is, M'Coy.																		
annulatum,	Lonsd.	CL.													*	*		River Isset (Ecaterineburg). Ilinsk.
aranea,	"	L'		*	*	*												Armagh. Bathgate.
basaltiforme,	Coneyb. & Phill.	L'''		*	*	*									*	*		Westown, Beith, Bristol, &c. River Ylytch.
cæspitosum,	De Kon.	L', L'''		*	*	*												Arbigland, Bakewell, Visé, &c.
concameratum,	Lonsd.	L'													*	*		River Derter (Govt. Toula).
cylindricum?,	Jolly.	L'																Arbigland sea-shore.
decipiens,	M.-Edw.	CL.			*	*												Derbyshire.
Derbiense,	"	CL.			*	*												"
<i>Stylastrea irregularis</i> .																		
emaciatum,	Lonsd.	CL.			*	*									*	*		Derbysh. Tver. Valdai. Petschora.
ensifer,	M.-Edw.	L''			*	*												Clifton, near Bristol.
Flemingii,	M'Coy.	L'			*	*												Derbyshire.
floriforme,	Keyserl.	L''			*	*									*	*		Mold, Bolland, &c. Valdai, Pinega,
? inconfertum,	Lonsd.	CL.			*	*									*	*		Cossatchi-datchi. Miask. [&c.
intermedium,	Eichw.	CL.			*	*									*	*		River Tschou (Kirghese steppe).
irregulare,	Phill.	L.S., L'		*	*	*	*								*	*		Martin desert, Boghead, &c. Bristol,
M'Coyani,	M.-Edw.	L''			*	*	*								*	*		Matlock. Oswestry. Moscow. [&c.
major,	M'Coy.	CL.			*	*												Derbyshire.
mammillare,	Lonsd.	L''			*	*									*	*		Moscow (White limestone).
microphyllum,	Keyserl.	L'			*	*									*	*		Ylytch (west flank Ural).
Phillipsii,	M.-Edw.			*	*	*									*	*		" (Keyserl.).
Portlockii,	"	L', L', L'''		*	*	*	*								*	*		Dysart, Arbigland, Durham, &c.
septosum,	M'Coy.	L'		*	*	*									*	*		Armagh. Tullyard.
Lonsdaleia , M'Coy, 1849. Heliolites .																		
Bronni,	M.-Edw. & H.														*	*		None stated.
crassiconia?,	M'Coy.	L'			*	*												Kendal. Derbyshire.
duplicata,	Martin.	L', L''			*	*												Glenmurshaw, &c. Derbyshire.
rugosa,	M'Coy.	L', L'''			*	*	*								*	*		Hagshaw Burn. Mold. Visé.
stylastriformis,	"	L'			*	*									*	*		Kendal.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ASIA.	Locality.
Lophophyllum , <i>Milne-Edwards</i> and <i>Haime</i> , 1850.																	
breve, De Kon.	LLS. or L'					*											Etraeungt (Nord du France).
confertum, Kunth.								*	?								Central Germany.
Dumontii, M.-Edw. & H.	L', L'				*			*	?				*				Tournai. Ath. Moscow.
? eruca, M'Coy.	LLS., L'			*													Beith, in black limestone.
Koninckii, M.-Edw. & H.	L'			*													Ath.
leontodon, Kunth.	?							*					*				Central Germany.
solare, Eichw.	L''			*									*				Mjatschkovo.
tortuosum, Michelini.				*									*				Tournai.
Menophyllum , <i>Milne-Edwards</i> and <i>Haime</i> , 1851.																	
rosula, Eichw.	L'												*				Alexine (Govt. Toula).
tenuimarginatum, M.-Edw. & H.	L'			*									*				Tournai.
Michelinia (<i>Manon</i> ?), <i>De Koninck</i> , 1842. Dictyophyllia , <i>Lindley</i> and <i>Hutton</i> .																	
antiqua, M'Coy.	LLS., L', L'''	*		*	*	*											Hook Point. Tournai (clay).
concinna, Lousd.	L''			*	?								*				Ust-Koiva (Moscow).
Egertonii, M.-Edw. & H.													*	?			[Visé, &c.
favosa, Goldf.		*	*	*	*	*	*										Rathcaunon, Cleckhimin, Mendip.
megastoma, Phill.	L', L'''	*	*	*	*	*							*				Bolland. Ath. Malowka.
Rossica, Semen & Möller.		*	*	*	*	*							*				Malowka (M. de Trautsch).
tenuisepia, Phill.	L', L''	*	*	*	*	*							*				Masbury. Carluke. Tournai. Juigné.
Monticulipora , <i>D'Orbigny</i> ; <i>Lamarck</i> , 1816. Cyathopora , <i>D.D. Owen</i> . Chætetes .																	
inflata, De Kon.	L', L'''			*	*	*											Kendal. Visé.
interporosa, Phill.	L'			*	*	*							*				
Mortiera , <i>De Koninck</i> , 1842.																	
vertebralis, De Kon.	L'			*	*	*											Derbyshire. Tournai.
Nematophyllum , <i>M'Coy</i> , 1851. = Lithostroton .																	
Palæacis , <i>J. Haime</i> , 1860.																	
compressa, M. & W.	L'			*	*	*											Crèvecœur (near Tournai), Celles, &c.
var. irregularis, Ether.	L'''			*	*	*											Gair. Bashaw.
cyclostoma, Phill.	L', L'''			*	*	*											" Thornton Common, Tournai, &c.
<i>Astræopora</i> .																	
Pentaphyllum , <i>De Koninck</i> , 1871.																	
armatum, De Kon.	L'			*	*	*											Tournai.
caryophyllatum, "	L'			*	*	*											"
Peripædium , <i>Ehrenberg</i> , = Cyathophyllum <i>regium</i> , <i>Phillips</i> .																	
heliops, Keyserl.	CL.													*			River Petschora.
Petalaxis , <i>Milne-Edwards</i> , 1851.																	
M'Coyana, M.-Edw.	?													*			Colonna, on River Oka.
Portlockii, "	CL.	*															Galles.
Petraia , <i>Münster</i> , 1839.																	
Benedeniana, De Kon.	L'			*	*	*											Tournai.
La Bechei, M.-Edw. & H.	L'																?
recta, Ad. Röm.	L'									*							Schalke.
Phillipsastræa , <i>Milne-Edwards</i> and <i>Haime</i> , = Sarcinula .																	
radiata, Martin & Woodw.	CL.			*	*	*											Derbyshire. Coswen.
? sarcinula, Lamarck.				*	*	*											
tuberosa, M'Coy.	CL.			*	*	*											Derbyshire.
Phryganophyllum , <i>De Koninck</i> , 1871.																	
Duncani, De Kon.	L'																Tournai.
Pleurodictyum , <i>Goldfuss</i> , 1826.																	
serpentiniforme, Boniss.	UCM. ?				*	*											La Mauecho.
serpuliforme, Pictet.	UCM. ?				*	*											La Cotentin.
Pyrgia , <i>Milne-Edwards</i> and <i>Haime</i> , 1851. See Cladoconus .																	
Labechia, M.-Edw. & H.	L' ?			*	*	*											Frome (Somersetshire).
<i>Autopora</i> simple and free.																	
Rhabdopora , <i>Milne-Edwards</i> and <i>Haime</i> , 1851. Seriato poridæ .																	
megastoma, M'Coy.	CL.																Derbyshire.
Rhizopora , <i>De Koninck</i> , 1872.																	
tubaria, De Kon.	L'			*	*	*											Tournai.
Rhodophyllum , <i>James Thomson</i> , 1874.																	
argyllianum, J. Thomson.	CL.	*															Ayrshire. Lanarkshire.
clipticum, "	CL.	*															" "
Phillipsianum, "	CL.	*															" "
reticulatum, "	CL.	*															" "
simplex, "	CL.	*															" "
Stenopora , <i>Lonsdale</i> , 1844. See Australia , Tab. I I.																	
approximata, Eichw.	L'												*				Sloboda (Govern. Toula).
arbuscula, "	L' ?												*				Saraninsk (with <i>Fusulina</i>).
scabra, Rafinesque.	LLS., L'	*	*	*	*	*											Clonca, Hook, &c.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Stomatopora , <i>Hall and Whitfield</i> alternata, Hall.	(an Devon.?). LLS.					*											Hackleberry.
Striatopora , <i>Hall</i> , 1852. carbonaria, C. A. White.	L'					*											Burlington.
Stylastræa , <i>Lonsdale</i> , 1841. inconferata, Salter.	..... .....																Albert Land (Arctic Seas).
<i>Lithostrotion</i> ?																	
Syringopora , <i>Goldfuss</i> , 1826. Harveyi, C. A. White.	L'					*											Burlington.
multiattenuata, M'Chesney.	LCM., U.....			*	*			*									Bates Co., Springfield, &c.
reticulata?, Goldf.	L'					*											Keokuk.
spec. indet., Shum.	L'					*											St. Louis Co.
Syringothyris , <i>Cox</i> . textilis, Cox.	Kinderh.							*									Buttonmould Knobs.
Trochophyllum , <i>M.-Edw. & H.</i> 1850. Verneuillianum, M.-Edw.	L'			*				*									Bluff Point. Howard Co. Louisville.
Zaphrentis , <i>Rafinesque and Clifford</i> , 1820. acuta, C. A. White.	L'			*	*												Clarksville. Burlington.
Cannonensis, Winch.	.....										*						
Cassedayi, M.-Edw. & H. (De Kon.).	.....																North America.
centralis, "	L'				*												Richland Creek. Bates Co. Dresden.
Cliffordiana, "	L'				*												Howard and Cedar Cos. "
compressa, "	L'				*												" "
cylindrica, Scouler.	L', UCM.....				*												Dresden.
Dalei, M.-Edw. & H.	L'				*			*									Keokuk.
elliptica, C. E. White.	L' (Lower)				*												Burlington.
excentrica, Meek.	.....																Montana Territory.
Glans, C. E. White.	L'				*												Burlington.
Ida, Winch.	Kinderh. & L'							*	*								Rochford (Goniatite beds). Sciots-
minas, Daws.	L', L'							*	*								Stewiacke. West River. [ville.
prona, M.-Edw. & H.	L'											*					North America.
solida, Hall.	Kinderh.							*	*								
spinulifera, "	L', L'				*			*	*								Howard Co. Dover's Hill.
spinulosa, M.-Edw. & H.	L', L'				*			*	*								St. Louis. Kaskaskia. Spergen Hill.
spec. indet., Shum.?	L'				*							*					" "
" Safford.	.....										*						

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROPE.	URAL.	ALTAI.	Locality.
Strephodes , <i>M'Coy</i> , 1848. Cyathophyllum .																		
multilamellatus,	M'Coy. CL.	.....	*	*														Down Co., Boyle, Frome, &c.
Strombodes , <i>M'Coy</i> (non <i>Schweiger</i> , 1820).																		
conaxis,	M'Coy. L''	.....		*														Bakewell (Derbyshire).
Syringopora , <i>Goldfuss</i> , 1826. ARMODITES ?																		
arborescens,	Ludw. L', L'''	.....													*			Always Palæozoic.
capillaceus,	" L'''	.....													*			Province Perm (with <i>Fusulina</i>).
catenata,	M'Coy. L', L''	.....	*	*														Neshni. Parogi.
conferta,	Eichw. L', L''	.....													*	*		Clogher, Ashford, Feluy, &c.
caespitosa,	Goldf. L'	.....													*	*		(Distr. Don) River Stila. River Sop-
distans,	Fischer. L'	.....	*	*	*	*	*								*	*		Malouka. [Ijousa.
geniculata,	Phill. L', L', L'''	.....	*	*	*	*	*								*	*		Hookhead, Feluy, River Moscowa, &c.
gracilis,	Keyserl. L''	.....													*			Crevenish, Buxton, Tournai, Ma-
laxa,	Phill. L', L''	.....	*	*	*	*	*								*			R. Belaya (R. Sopljoussa). [louka, &c.
ramulosa,	Goldf. L'	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Enniskillen. Carlake. Ashfell.
relaxa,	" L'	.....													*	*		Clogher, Mold, Bolland, Hausdorf,
reticulata,	Goldf. L'	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	[&c. &c.
spec. indet.,	" L'	.....													*	*		Hookhead, Ashfell, Sablé, &c. &c.
Tetragonophyllum , <i>De Koninck</i> , 1871.																		
problematicum,	De Kon. L'	.....				*												Tournai.
Trochophyllum , <i>M.-Edw. & H.</i> , 1850.																		
radiatum,	Eichw. L'	.....																Gov. Kalouga (with <i>Prod. gigas</i>).
Turbinolia , <i>Lamarck</i> , pars.																		
Zaphrentis , <i>Rafinesque and Clifford</i> , 1820.																		
alveata,	Ludw. L'	.....													*			Lithwinsk.
Bowerbankii,	M.-Edw. & H. L', L'''	.....	*	*	*	*	*								*			Broadstone. Frome. Tournai.
bullata,	Kon. L'	.....				*												Tournai.
Cliffordiana?	" L', L'''	.....				*												Namur. Oneux.
cornucopia,	" L'	.....	*	*	*	*	*											Glasgow. Kendal. Ath.
cyathina,	" L'	.....	*	*	*	*	*											"
cyliudrica,	Scouler. LLS., L', L'''	.....	*	*	*	*	*								*			Kulkeag, Arbigland, Leffe, &c. &c.
Delanoei,	M.-Edw. & H. L', L', L'''	.....				*									*			Tournai, Oneux, Waulsort, &c.
denticulata,	Eichw. L''	.....													*			Govt. Kalouga.
Edwardsiana,	Kon. L'	.....				*									*			Tournai.
Enniskilleni,	M.-Edw. & H. L'	.....	*												*			Lough Gill. Co. Sligo.
excavata,	" L', L'''	.....				*	*								*			Oneux. Tournai. Juigné.
gigantea,	Kon. L''	.....				*	*								*			Lithwinsk.
Griffithii,	M.-Edw. & H. L', L''?	.....	*	*	*	*	*								*			Thornton Quarry. Lanark. Clifton.
Guerangeri,	" L', L''	.....				*	*								*			Tournai. Juigné. Mjatschkovo.
Herculina,	Kon. L'	.....				*	*								*			"
Honiana, La,	" L'	.....				*	*								*			"
impressa,	Ludw. L''	.....				*	*								*			?
intermedia,	Kon. L'	.....	*	*	*	*	*								*			Glasgow. Kendal. Tournai.
Koninckii,	M.-Edw. & H. L', L', L'''	.....				*									*			Tournai. Oneux.
Michelini,	" L'	.....	*												*			Netherfield (Eifel, Devonian).
nodulosa,	Phill. L'	.....	*												*			Brockley (Glasgow).
Næggerathia,	Sem. & Möller. L'	.....													*			Malowka.
Nystiana,	Kon. L'	.....				*									*			Tournai.
Omalusi,	M.-Edw. & Kon. L', L'', L'''	.....				*	*								*			" Ath, Namur, Etraungt, &c.
patula,	" L'	.....	*	*	*	*	*								*			Howth, Craigenglen, Tournai, &c. &c.
Phillipsii,	" L', L'''	.....	*	*	*	*	*								*			Woodville. Frome. Tournai. Sablé.
spinulosa,	" L', L'''	.....	*												*			Brockley. Robroyston.
subbicina,	M'Coy. L'	.....				*									*			Kendal.
tortuosa,	M.-Edw. & H. L'	.....				*									*			Tournai.
vermicularis,	Kon. L'	.....				*									*			"
spec. indet.,	Beyrich. L'	.....													*			Tiunor (the Far East).

SUBKINGDOM ANNULOSA. PROVINCE ANNULOIDA. CLASS ECHINODERMATA.

ORDERS CRINOIDEA, CYSTIDEA, ASTEROIDEA.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROPE.	URAL.	ALTAI.	Locality.
Acanthocrinus , <i>Ad. Römer</i> , = Rhodocrinus , <i>Miller</i> , 1821.																	
longispinus, <i>Ad. Römer</i> .	L'.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	Clausthal.
Actinocrinus , <i>Miller</i> , 1821.																	
aculeatus, <i>Austin</i>.	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bristol.
amphora, <i>Goldf.</i>	LLS., L''	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Toney (Fermanagh). Yorkshire.
armatus, <i>Kon. & Le H.</i>	L'	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tournai (upper clay).
Atlas, <i>M'Coy.</i>	L'''	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bolland.
brevicalyx, <i>Rofe.</i>	CL	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
catafractus, <i>Austin.</i>	L''	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bristol.
constrictus, <i>M'Coy.</i>	L'' or L'''	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manor Hamilton.
costatus, <i>"</i>	L'	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Monaster. Clorance.
costus, <i>Kon. & Le H.</i>	L'	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tournai (in thick clay).
decadactylus, <i>Goldf.</i>	L'	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Armagh, Tyrone, &c.
deornatus, <i>Kon. & Le H.</i>	L'	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Hook. Wexford. Tournai.
dorsatus, <i>"</i>	L'	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tournai (in clay).
elephantinus, <i>Austin.</i>	L''	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bristol.
Gilbertsoni, <i>Miller.</i>	LLS., L', L'''	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Malahide. Bolland. Tournai.
globosus, <i>Phill.</i>	L'', L'''	.....	.....	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Carluke. Rae's Gill. Bolland.
granulatus, <i>Austin.</i>	CL	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
lævis, <i>Miller.</i>	L', MCM.	.....	.....	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mitcheldean. Tournai.
lævissimus, <i>Austin.</i>	L'? .....	.....	.....	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bristol.
longispinosus, <i>"</i>	LLS., CL	.....	.....	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Clevendon (Somerset.). Derbysh.
mammillatus, <i>Kon.</i>	L'	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Famignoul.
mammillaris, <i>Phill.</i>	L'''	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bolland.
olla, <i>M'Coy.</i>	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Derbyshire.
Parkinsoni, <i>Kon.</i>	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Derbysh. Yorksh. (nav. Encrinite).
polydactylus, <i>Miller.</i>	L', L'''	.....	.....	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Clorance. Mendip. Tournai.
pusillus, <i>M'Coy.</i>	LLS., L''	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manor Hamilton.
stellaris, <i>Kon.</i>	L', L'''	.....	.....	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bolland. Tournai.
tenuis, <i>"</i>	L'	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tournai (in clay).
tessellatus, <i>Phill.</i>	LLS., L', L'''	.....	.....	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Clunea. Bolland. Frome.
triacontadactylus, <i>Miller.</i>	L', L'', L'''	.....	.....	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Ardclough. Bolland. Tournai.
tricuspidatus, <i>Kon.</i>	L'''	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Visé.
spec. indet., <i>Etheridge.</i>	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Derbyshire.

NORTH AMERICA.

Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
eris,	Hall.	Kinderh., L'									*							Richfield. Summit Co.
Evansi,	Owen & Shum.	L'					*											Burlington.
euconus,	M. & W.	L'					*											Anna. Union Co.
<i>Alloprosalocrinus.</i>																		
excerptus,	Hall.	L' (lower beds).					*											Burlington.
fibula,	Troost.											*						
fiscellus,	Hall.	L'					*											Burlington.
formosus,																		
<i>Batocrinus.</i>																		
Fosteri,	M'Chesney.	L'					*											"
gemmaformis,	Hall.	L' (lower beds).					*											"
<i>Batocrinus.</i>																		
glyptus,	"	L'					*											"
<i>Strotocrinus.</i>																		
glans,	"	L' (Enerin. L'st.					*											
gibbosus,	Troost.											*						
Gouldii,	Hall.	L', L''					*		*									Burlington. Hancock Co.
<i>Dorycrinus.</i>																		
Hageri,	M'Chesney.	L'					*											"
<i>Batocrinus.</i>																		
Helice,	Hall.	Kinderh.									*							Richfield (Summit Co.).
Humboldtii,	Troost?	L''							*			*						Hancock Co.
Humboldtianus,	Hall.	L''							*									Nauvoo.
Hurdianus,	M'Chesney.	L'					*											Burlington.
Indianensis,	Lyon & Cass.	L'''							*									Montgomery Co. (St. Louis limest.).
inflatus,	Hall.	L'					*											Burlington.
<i>Amphoracrinus.</i>																		
infrequens,	"	L' (lower beds)					*											"
insculptus,	"	L' (upper beds)					*											"
<i>Calathocrinus.</i>																		
irregularis,	Casseday.	L''							*									Spergen Hill.
jugosus,	Hall.	L'', Keokuk							*									Hancock Co.
Koninekii,	Shum.	L' (upper beds)		*	*		*		*									Marion Co. Burlington. Rocheport. [Palmyra.]
<i>Batocrinus.</i>																		
lagna,	Hall.	L'					*											Burlington.
lagunculul,	"	L'', Keokuk					*		*									Warsaw.
<i>Batocrinus.</i>																		
lepidus,	"	L'					*											Burlington.
leucosia,	"	L' (lower beds)					*											"
Laura,	"	L'					*											"
limabrachiatus,	"	L' (lower beds)					*											"
lobatus,	"	L'					*		*									Hancock Co. Warsaw.
locellus,	"	L'', Keokuk					*											Burlington.
longirostris,	"	L'					*											"
<i>Batocrinus.</i>																		
longus,	M. & W.	L'					*											"
Loweii,	Hall.	L'					*	*										Hancock Co. Warsaw.
lucina,	"	L''					*											Burlington.
minor,	"	L'					*											"
Mississippiensis,	F. Röm.	L''						*										Warsaw.
<i>Dorycrinus.</i>																		
var. spiniger,	Hall.	L''			*		*											Clark Co. (Missouri). Warsaw.
Missouriensis,	Shum.	L'			*		*											Marion Co. Monmouth.
Mortoni,	Troost.	L'					*					*						Burlington.
multibrachiatus,	Hall.						*											
var. echinatus,	"	L'?				*	?											
multiradiatus,	Shum.	L'				*	*											" Quincy.
mundulus,	Hall.	L''					*											Warsaw.
Nashville,	Troost.	L''					*											"
var. subtractus,	White.	L'				*	*											Burlington.
oblatul,	Hall.	L'			*	*	*											Rockford. Burlington.
opusculus,	"	L'			*	*	*											Burlington.
ornatus,	"	L'			*	*	*											"
ovatus,	"	L'			*	*	*											"
papillatus,	"	L'			*	*	*											"
<i>Batocrinus.</i>																		
parvus,	Shum.	L'''			*	*	*											St. Louis Co.
penicillus,	M. & W.	L'			*	*	*											Burlington.
pendens,	Hall.	L' (Enerin. L'st.)			*	*	*											"

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
pentagonus,	Hall.	L'.....				*												Burlington.
pernodosus,	"	L".....							*									Warsaw.
perumbrosus,	"	L'.....				*												Burlington.
pistilliformis,	M. & W.	Kinderh.							*									"
pistillus,	"	L'.....							*									"
planobasalis,	"	L'.....							*									"
<i>Amphocrinus.</i>																		
planodiscus,	"	L".....							*									Nauvoo.
proboscidalis,	"	L' (lower beds) .							*									
pyramidatus,	"	L'.....				*												Burlington.
pyriformis,	Say.	L'.....				*		*										MarionCo. Burlington. Monmouth.
var. rudis,	Meek & Worth?	.....				*												
quadrispinus,	White.	L'.....				*												Burlington.
quaternarius,	Hall.	L'.....				*												"
var. spinifer,	"	L'.....				*												"
ramulosus,	"	L".....							*									Nauvoo.
reticulatus,	"	.....				*												Burlington.
rotundus,	Yand. & Shum.	L".....				*			*									Rocheport. Nauvoo.
rudis,	Hall.	L'.....				*												Burlington.
<i>Strotocrinus.</i>																		
scitulus,	M. & W.	L'.....				*		*	*									" CedarCreek. WarrenCo.
sculptus,	Hall.	L' (lower beds) .			*	*												"
<i>Steganocrinus.</i>																		
securis,	"	L'.....				*												"
senarius,	"	L'.....				*												"
sexarmatus,	"	L' (lower beds) .				*												"
Sillimani,	M. & W.	L'.....				*		*										Warren Co.
similis,	Hall.	L".....				*		*										Warsaw.
sinuosus,	"	L'.....				*												Burlington.
<i>Bathocrinus.</i>																		
spinobrachiatus,	"	L'.....				*												"
spinotentaculus,	"	L'.....				*												"
spinulosus,	"	L".....						*										Nauvoo.
steropes,	"	L".....				*												Keokuk (Mississip. Bluffs).
subaculeatus,	"	L'.....				*												Burlington.
subæqualis,	M'Chesney.	L'.....				*		*										Monmouth.
<i>Balocrinus.</i>																		
subumbrosus,	Hall.	L'.....				*												Burlington.
subventricosus,	"	L'.....				*												"
superlatus,	"	L'.....				*												"
symmetricus,	"	L'.....				*												"
tenuidiscus,	"	L'.....				*												"
tenuiradiatus,	"	L'.....				*												"
tenuisculptus,	M'Chesney.	L'.....				*	*											" Columbia (Missouri).
sculptus.																		
var. elegans,	"	L'.....						*										
Thalia,	Hall.	L'.....				*												Burlington.
Themis,	"	L'.....				*												"
Thoas,	"	L' (lower beds) .				*												"
Tholus,	"	L' (Enerin.L'st.)				*												"
tricornis,	"	L'.....				*												"
turbinatus,	"	L'.....				*												"
var. elegans,	"	L' (upper beds) .				*												"
umbrosus,	"	L'.....				*												"
<i>Strotocrinus.</i>																		
unicarinatus,	"	L".....						*										Nauvoo.
unicornis,	Owen & Shum.	L'.....				*		*										Burlington. Monmouth.
unicostatus,	Hall.	L'.....				*												
unispinus,	"	L'.....				*												Burlington.
urna,	Troost.	L'?									*							Tennessee.
urnaformis,	M'Chesney.	L'.....						*										Honey Creek.
<i>Balocrinus.</i>																		
validus,	M. & W.	L'.....						*										Cedar Creek. Warren Co.
ventricosus,	Hall.	L' (upper beds)				*												Burlington.
<i>Physelocrinus.</i>																		
var. cancellatus,	"	L'.....				*												"
var. internodius,	"	L'.....				*												"
var. verrucosus,	"	L'.....				*												"

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Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Verneuilianus,	Shum.	L'			*	*		*										Boon, &c. Co ^s . Burlington. Mon-
<i>Eretmocrinus</i> .																		[mouth.]
viminalis,	Hall.	Kinderh. ?								*								Summit Co.
Wachsmuthi,	White.	L'					*											Burlington.
Whitei,	Hall.	L'					*											"
<i>Megistocrinus</i> .																		
Yandelli,	Shum.	Kinderh.									*	*						Buttonmould Knob. White's Creek.
Agaricocrinus , Troost, 1850.																		
Americanus,	Ferd. Röm.	L'			*	*		*	*			*						Keokuk. ClarkeCo. Warsaw. White's
<i>tuberosus</i> .																		[Creek.]
bellatrema,	Hall.	L'				*												Burlington.
<i>Amphoracrinus</i> .																		
bullatus,	"	L'				*												"
corrugatus,	"	L' (lower beds)				*												"
<i>Amphoracrinus</i> .																		
excavatus,	"	L' (upper beds)				*												"
<i>Amphoracrinus</i> .																		
geometricus,	"	L'		"	"				*									Quincy.
gracilis,	M. & W.	L'		"	"				*									Burlington.
inflatus,	Hall.	L'		"	"				*									"
<i>Amphoracrinus</i> .																		
nodosus,	M. & W.	L', highest strata				*												"
ornatremas,	Hall.	L' (upper beds)				*												"
<i>Amphoracrinus</i> .																		
pentagonus,	Hall.	L' (lower beds)				*												"
var. convexus,	"	L'				*												"
planoconvexus,	"	L'				*												"
stellatus,	"	L'				*			*									Quincy.
Whitfieldii,	"	L' (Keokuk)				*			*									Green Co.
Wortheni,	"	L'"				*			*									Warsaw.
Agassizocrinus , Troost, 1850.	Astylocrinus , F. R. ö m. 1854.																	
carbonarius,	Worthen.	UCM.						*										
Chesterensis,	"	L'''						*										Chester.
conicus,	Owen & Shum.	L'''						*										"
constrictus,	Hall.	L'''						*										"
dactyliformis,	Troost.	L'', L'''	*					*	*	*	*	*	*	*	*	*		WashingtonCo. Chester. Crittenden
gibbosus,	Hall.	L'''						*										Chester. [Co. Kentucky.]
globosus,	Worth.	L'''						*										"
gracilis,	Troost.	L'''										*						
occidentalis,	Owen & Shum.	L'''						*										Chester.
pentagonus,	Worth.	L'''						*										
tumidus,	Owen & Shum.	L'''						*										Chester.
Agelacrinus , Vanuxem, 1842.																		
Kaskaskiensis,	Hall.	L'''						*										
squamosus,	M. & W.	L' (Keokuk)						*										Crawfordville.
Alloprosallocrinus , Casseday and Lyon, 1860.																		Conocrinus , Troost, 1850.
(Subgenus of BATOCRINUS, Cass. & Lyon.)																		
conicus,	Troost.	L'"								*	*	*	*	*	*	*		Allen Co. White's Springs.
<i>tuberculosis</i> .																		
depressus,	Cass. & Lyon.	L'''								*								Hardin Co.
euconus,	M. & W.	L'''						*										St. Louis Co.
Lea,	Troost.	?										*						
<i>Conocrinus</i> .																		
Amphoracrinus , Austin, 1848.	Subgen. of ACTINOCRINUS.																	
divergens,	Hall.	L'				*		*										Burlington, &c.
Archæocidaris , Austin, 1844.																		
aculeata,	Shumard.	L'', UCM., UL.	*	*	*													Texas. Fort Belknap. VerdigrisVale.
Agassizi,	Hall.	L', EncrinuriteL'st.				*												Burlington.
biangulata,	Shumard.	MCM.			*													Lexington. [Mexico].
gracilis,	Newberry.	UCM.																Colorado River of the West (N.
Keokuki,	Hall.	L'"				*		*	*	*	*	*	*	*	*	*		Keokuk. Hancock Co.
longispina,	Newberry.	L'', LCM.			*	*	*	*	*	*	*	*	*	*	*	*		N. Mexico.
megastyla,	Shumard.	UCM.		*	*	*												VerdigrisVale. CottonWoodCreek.
nutronata,	M. & W.	L'''						*										Liberty (Randolf Co.).
Nerei,	De Kon.	UCM.			*					*								
Norwoodii,	Hall.	L'''						*										Chester.
ornata,	Newberry.	UCM.																Great Canon River (Colorado).
Shumardiana,	Hall.	L'''			*													St. Louis.
subturbinata,	M. & W.	L'			*													Burlington.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Archæocidaris, M' Coy, 1840.	Cidaris, Philli	<i>p s,</i>	=	E c h i n o c r i n u s.													
anceps,	Austin.	CL.	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Yegorjefsk (Govt. Kalouga).
clavata,	Eichw.	L'	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Punjaub (East India).
Forbesiana,	De Kon.	L'	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Park Hill, Longnor, Durham, &c.
glabrispina,	Phill.	LLS., L', L'', L'''	.....	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lough Eske (Donegal).
Harteiana,	Baily.	Calc. Grit, LLS.	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Waterland. Dunlop. Visé.
Münsteriana,	De Kon.	L'	.....	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tournai. Regnitzlosau.
Nerei,	Münst.	L'	.....	.....	*	.....	*	?	.....	.....	.....	.....	.....	.....	.....	.....	Mjatschkowa.
ornata,	Eichw.	L'''	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Tournai.
Protei,	D'Orb.	L'	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Moscow. Timan Range, east flank.
Rossica,	De Vern.	L''	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	*	.....	
<i>Devcalionis</i> , Eichw.																	
Shumardiana,	Hall.	L'?			*												Famignoul (De Koninck &c., Précis
spinosa,	Austin.	CL.		*													[Géol., D'Omal. d'Halloy).

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triserrata, Meek.	UCM.			*				*									St. Louis.
Wortheni, Yandell.	L''			*													Texas.
spec. indet. (2), M. & H.	UCM.		*														N. Mexico.
" Shumard.	UCM.																
Asterias, Troost.																	
antiqua, Troost.												*					
Asterocrinus, Lyon, 1857.	See Pterocrinus.																
capitalis, Lyon.	L'''										*						Crittenden Co.
coronarius, "	L'''																"
Astylocrinus, Ferd. Romer, 1854.	See Agassizocrinus.																
laevis, "	L''							*	*								Belleville. Warsaw.
Agass. dactyliformis.																	
Barycrinus, Wachsmuth, MSS.	1868.																
angulatus, M. & W.								*	*								
cornutus, Wachsmuth.	L'						*										
geometricus, M. & W.	L'						*										
Hoveyi, var. Hercules, "	L''																Crawfordville.
magnificus, "	L''						*										Biggsville (Henderson Co.).
mammatus, Worthen.	L'						*										
pentagonus, M. & W.	L'						*										
spectabilis, "	L'''						*										Otter Creek.
subtumidus, "							*										
Wachsmuthi, "							*	?									
Batocrinus, Casseday, 1854.	Subgenus of Actinocrinus.																
Cassedayanus, M. & W.	L'				*												Burlington.
Christyi, Shumard.	L' (upper beds)						*										Monmouth.
icosidactylus, Cass.	L''						*										Spargen Hill.
irregularis, "	L''						*										"
neglectus, M. & W.	L'						*										
pyriformis, Shumard.	L'						*										
quasillus, M. & W.	L'						*										
trochiscus, "	L. (upper)						*										
remibrachiatus, Hall.	L'					*	*										
Belemnocrinus, C. E. White, 1862.							*										
typus, C. E. White.	L'					*											Burlington.
Whitei, M. & W.	L' (lower)					*											"
Bursacrinus, Meek and Worthen, 1861.																	
confirmatus, White.	L' (lower)				*												Burlington.
Wachsmuthi, M. & W.	L																"
Calceocrinus, Hall, 1852.	Cheirocrinus.																
Bradleyi, M. & W.	L''							*									Crawfordville.
perplexus, Shumard.	L''																Buttonmould Knob.
Tennessee, Troost.	Kinderh.										*						"
Wachsmuthi, M. & W.	L' (upper)					*											Burlington.
Catillocrinus, Troost, 1850.	= Calceocrinus.																
Codonaster, McCoy, 1848.	Codaster, McCoy.																
Kentuckyensis, Pentremites.																	
pyramidatus, B. F. Shumard.	L'								*	*							River Ohio Falls. Columbus.
Whitei, Hall.	L'																Burlington.
Codonites, Meek and Worthen, 1869.	= Codonaster.																
gracilis, M. & W.	L' (lower)				*												Burlington.
stelliformis, "					*	*		*									Hannibal. Burlington. Monmouth.
Coeliocrinus, Meek and Worthen, 1863.																	
concavus, M. & W.	L'						*										
concinus, "	L'						*										Burlington.
dilatatus, White.	L' (lower)					*											
subspinatus, "	L'					*											
Conocrinites, Troost.																	
Lea, Troost.												*					
tuberosus, "	L''				*	*						*					Clark Co. Keokuk. White's Creek.
Agaricocrinus.																	
Cyathocrinus, Miller, 1821.	Taxocrinus, Cladocrinus, &c.																
angulatus, M. & W.	L''						*	*									Nanvoo (Hancock Co.).
arborescens, "	L''				*		*	*									Keokuk. Crawfordville.
bullatus, Hall.	L''						*	*									Hancock Co.
conglobatus, Troost.											*						
cornutus, Owen & Shum.	L'				*							*					Burlington.
corrugatus, Troost.	L'										*						

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
triserialis,	M'Coy.	LLS., L'	*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M'Coy's localities often not obtain- able. [land.
urei,	Fleming.	LLS., L', L'', L''' ..	*	*	*	*	*	..	..	..	..	..	..	..	..	..	..	Loughshinny. Rutherglen. Arbig-
vetusta,	Phill.	LLS., L', L''' ..	*	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Ireland. Whitewell (Derbyshire).
spec. indet.,		L'	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Northumberland.
Astrocrinus , <i>Austin</i> , 1843, = Zigocrinus , <i>Bronn</i> .		CL.	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Brockley. Poniel Water.
? Benniei,	Ether., jun.	CL.	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Fife and Lothian Cos.
tetragonnus,	? Austin.	L'	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Settle (Yorkshire).
Atocrinus , <i>M'Coy</i> , 1844.		LLS., CL.	*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Milleri,	M'Coy.	LLS., CL.	*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
<i>Platycrinus</i> , <i>De Koninck</i> .			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Cidarites , <i>Lamarck</i> , <i>F. Romer</i> .		Cidaris , <i>Klein</i> , 1734.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Münsteriana,	De Kon.	L'''	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Visé.
Rossica,	Von Buch.	L''	..	..	..	..	..	..	..	..	..	..	..	..	*	..	..	Mjatschkovo (Moscow).
Cladocrinus , <i>Austin</i> , = Cyathocrinus .		L'''	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Clitheroe.
spec. indet.,			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Codonaster , <i>M'Coy</i> , 1848. Codonaster , <i>M'Coy</i> .		CL.	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Derbyshire.
acutus,	M'Coy.	L', CL.	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Bakewell. Ashford.
trilobatus,	"		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Cribellites , <i>Tate</i> , 1863.		L'	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	N. of England.
carbonarius,	Tate.		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Cromyocrinus , <i>Trautscholdt</i> , 1867.		L''	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
simplex,	Trautscholdt.	L''	..	..	..	..	..	..	..	..	..	..	..	..	*	..	..	Mjatschkovo (Moscow).
germinatus,	"	L', CL.	..	..	..	..	..	..	..	..	..	..	..	..	*	..	..	" "
Cupressocrinus , <i>Goldfuss</i> , 1832. Halocrinus .		L''	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Derbyshire.
calyx,	M'Coy.	L''	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
impressus,	"	L''	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	"
Cyathocrinus , <i>Miller</i> , 1821. A genus full of errors. — <i>F. Romer</i> .			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
bursa,	Phill.	L'''	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Clitheroe. Bolland.
calcaratus,	"	L''', L'?	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Bolland.
conicus,	"	L'''	..	..	*	*	*	..	..	..	..	..	..	..	..	..	..	" Farnignoul.
distortus,	"	L'''	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	
ellipticus,	"	LLS.	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	(Also Devonian.)
foveolatus,	Eichw.	L'	..	..	..	..	..	..	..	..	..	..	..	..	*	..	..	Mjatschkovo (Moscow).

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
? crassus,	M. & W.	LCM.							*									Ovan (Fulton Co.).
crateriformis,	Troost.	L''										*	*	*				Prof. Troost's localities seldom ob-
decadaetylus,	Lyon & Cass.	L'							*									Clear Creek. [tainable]
depressus,	Troost.											*	*	*				
divaricatus,	Hall.	L'					*						*	*				Burlington.
enormis,	M. & W.	L'					*											"
Farleyi,	"	L''							*									Warsaw.
fragilis,	"	L'					*						*	*				
geometricus,	Goldf.	Kinderh.										*	*	*				Buttonmould Knob.
globosus,	Troost.	L'''										*	*	*				
gracilis,	"	L'										*	*	*				Summit Co.
granuliferus,	Shumard.	L''	*										*	*				Washington Co.
graphicus,	Hall.	Kinderh.								*		*	*	*				Summit Co.
hemisphaericus,	?	UCM.		*														
hexadaetylus,	Lyon.	L'''								*		*	*	*				Hardin Co.
Hoveyi,	Hall.	L''								*								Crawfordsville.
incipiens,	"	L'				*												Burlington.
inflatus,	Troost.	L''										*	*	*				Hancock Co.
insperatus,	S. S. Lyon.	L'								*								Crawfordsville.
intermedius,	Hall.	L'				*												Burlington.
Iowensis,	Owen & Shum.	L'				*												"
Kellogii,	C. A. White.	L''				*												Keokuk.
lamellosus,	"	L'				*												Burlington.
latus,	Hall.	L'				*												"
Lyonii,	"	L''							*									Crawfordsville.
macroleptus,	"	L'				*												Burlington.
magister,	"	L''				*												Keokuk Township.
malvaceus,	"	L'				*												Burlington.
multibrachiatus,	Lyon & Cass.	L''							*									Montgomery Co.
var.,	"	L'							*									"
parvibrachiatus,	Hall.	L''				*												Keokuk.
pentalobus,	"	L'				*												Burlington.
<i>Graphiocrinus 14-brachialis.</i>																		
? poterium,	M. & W.	L''							*									Crawfordsville.
protuberans,	Hall.	L''							*									Hancock Co.
quinquelobus,	M. & W.	L''							*									Warsaw.
rarus,	S. S. Lyon.	Kinderh.							*			*						" Buttonmould Knob.
rigidus,	White.	L' (lower)				*												Burlington.
robustus,	Troost.	L'										*	*	*				
Römeri,	"												*	*				
rotundatus,	Hall.					*							*	*				Burlington.
Saffordi,	M. & W.	L''											*	*				White's Creek.
Sangamonensis,	"	UCM.?							*				*	*				Sugar Creek (Sangamon Co.).
scitulus,	"	L'				*												Burlington.
sculptilis,	Hall.	L'				*												"
sculptus,	Troost.												*	*				
solidus,	Hall.	L'				*												Burlington.
spurius,	"	L''							*									Hancock Co.
stellatus,	Troost, Hall.	L''				*			*			*	*	*				" White's Springs Creek.
subtumidus,	M. & W.	L''				*			*				*	*				White Hall (Green Co.).
Tennesseus,	Troost.												*	*				
tenuidaetylus,	M. & W.	L' (lower)				*			*									Burlington.
Thomæ,	Hall.	L'''				*			*									(St. Louis limestone) Warsaw.
tumidus,	"	L''				*			*									Warsaw.
unicornis,																		?
viminalis,	Hall.	L'				*												Burlington.
Wachsmuthi,	M. & W.	L'				*												"
Dichocrinus , Münster, 1830; Miller																		Pterocrinus (a subgenus).
ægilops,	Hall.	L'				*			*									
æqualis,	"	L'				*			*									
angustus,	C. E. White.	L'				*			*									Burlington.
Chesterensis,	M. & W.	L'''				*			*									Chester.
<i>Pterocrinus.</i>																		
constrictus,	"	L'''							*	*								Bloomington (Indiana).
conus,	"	L'				*			*	*								Warren Co.
Coreyi,	Lyon & Cass.	LCM.?							*	*		*	*	*				
<i>Actinocrinus.</i>																		
cornigerus,	B. Shum.	L'''				*												Buzzard's Roost (Alabama).
crassitestus,	White.	L'				*												Burlington.

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NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Kelloggii,	Hall.	Kinderh.									*							Richfield (Summit Co.).
var. tardus,	"	L" "							*	*	*							" "
Meekii,	"	L" "							*	*	*							Hancock Co. " Crawfordville.
multibrachiatus,	Lyon & Cass.	L" "									*	*	*					Hardin Co. (Kentucky).
ramulosus,	"	L" "									*	*	*					" "
Saffordi,	Hall.	L (Protean L'st.)					*					*						Burlington, &c.
Shumardianus,	"	L" (St. Louis L'st.)				*							*					St. Louis Co.
spiniferus,	"	L "				*												Burlington.
Wortheni,	M. & W.	Buttonmould Knob & L".				*	*	*	*	*	*	*	*	*	*	*	*	Edwardsville. Clarke and Floyd Counties.
Gilbertsocrinus †, Phillips, 1836.		Rhodocrinus ,																Trematocrinus , &c.
Goniasteroidocrinites , Casseday and Lyons, 1859.		and Lyons, 1859.																Subgenus of GILBERTSOCRINUS.
(<i>Trematocrinus</i>) fuscus, M. & W.		L "			*	*	*	*	*	*	*	*	*	*	*	*	*	Burlington.
(—) obovatus,	"	L "			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
(—) papillatus,	Hall	L "			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
(—) robustus,	Meek & Hall.	L' "			*	*	*	*	*	*	*	*	*	*	*	*	*	Keokuk limestone.
(—) reticulatus,	Hall.	L' "			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
tenuiradiatus,	M. & W.	L' "			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
(<i>Trematocr.</i>) tuberculatus,	Hall.	L' "			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
tuberosus,	Lyon & Cass.	L" (Kask. L'st.)			*	*	*	*	*	*	*	*	*	*	*	*	*	Clear Creek. Hardin Co.
(<i>Trematocr.</i>) typus,	Hall.	L "			*	?												Burlington.
Granatocrinus , Troost, 1850.		.....																PENTREMITES of most authors.
cornutus,	M. & W.	L" "			*	*	*	*	*	*	*	*	*	*	*	*	*	Browne Co.
diversus,	"	L (upper beds)			*	*	*	*	*	*	*	*	*	*	*	*	*	Burlington.
glaber,	"	L" "			*	*	*	*	*	*	*	*	*	*	*	*	*	Hardin Co.
granulatus,	F. Rön.	L" "			*	*	*	*	*	*	*	*	*	*	*	*	*	Allen.
granulosus,	M. & W.	L" "			*	*	*	*	*	*	*	*	*	*	*	*	*	Barton Co.
melanoides,	"	L "			*	?												Burlington.
neglectus,	"	L (lower beds)			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
Norwoodii,	Owen & Shum.	L, L" "			*	*	*	*	*	*	*	*	*	*	*	*	*	Hannibal. St. Louis. Burlington.
pisum,	M. & W.	L "			*	*	*	*	*	*	*	*	*	*	*	*	*	Burlington. [Monmouth.]
projectus,	"	L "			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
Sayi,	Shum.	L "			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
Shumardi,	M. & W.	L (lower beds)			*	*	*	*	*	*	*	*	*	*	*	*	*	Boone, Marion, St. Louis Co's, &c.
Graphicocrinus , De Koninck and Le Hon, 1853.		.....				*	*	*	*	*	*	*	*	*	*	*	*	
dactylus,	Hall.	L" "			*	*	*	*	*	*	*	*	*	*	*	*	*	St. Louis. Falling Spring.
Ichthyocrinus , Troost; Conrad, 1842.		.....							*	*	*	*	*	*	*	*	*	
Burlingtonensis,	Hall.	L "			*	*	*	*	*	*	*	*	*	*	*	*	*	Burlington.
<i>Cyathocrinus</i>.		.....																
tiariformis,	Troost.	L' "																White's Creek Springs.
Lepadocrinus , Hall.		.....																
rarisimus,	Hall.	Kinderh.								*	*	*	*	*	*	*	*	Licking Co. Meadville.
Lepidocrinus , Hall, 1861. Subgen. of PALEOCRINUS.		.....				*	*	*	*	*	*	*	*	*	*	*	*	
imbricatus,	Hall.	L "			*	*	*	*	*	*	*	*	*	*	*	*	*	Burlington.
rarispinus,	"	Kinderh.											*	*	*	*	*	Upper Waverley sandstone.
Lepidocentrus , Müller, 1856.		.....																
irregularis,	M. & W.	L' "				*	*	*	*	*	*	*	*	*	*	*	*	Nauvoo, &c.
Megistocrinus , Owen and Shumard, 1848.		.....				*	*	*	*	*	*	*	*	*	*	*	*	Actinocrinus .
crassus,	White.	L (lower beds)			*	*	*	*	*	*	*	*	*	*	*	*	*	Burlington.
Evansi,	Owen & Shum.	L "			*	*	?	*	*	*	*	*	*	*	*	*	*	" "
olliculus,	Hall.	L "			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
<i>Actinocrinus</i>.		.....																
parvirostris,	M. & W.	L (upper beds)			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
plenus,	White.	L (upper beds)			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
nov. spec.,	Owen & Shum.	.....			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
Melocrinus , Goldfuss, 1826.		.....																
Pratteni,	M. Ch.	L" "																
Melonites , Owen & Shumard, 1846.		.....																= <i>Oligoporus</i> , subg.
Coreyi,	M. & W.	L' "			*	*	*	*	*	*	*	*	*	*	*	*	*	Crawfordville.
multiporæ,	Owen & Shum.	L" "			*	*	*	*	*	*	*	*	*	*	*	*	*	St. Louis. Prairie du Rocher.
<i>Palaechinus</i>.		.....																
Stewarti,	Safford.	L' "										*	*	*	*	*	*	Montana Territory (Lithostrotion-bed).
spec. indet.,	Meek.	.....										*	*	*	*	*	*	" "
Mespilocrinus , De Koninck and Le Hon, 1854-58.		.....				*	*	*	*	*	*	*	*	*	*	*	*	
Koninekii,	Hall.	L "			*	*	*	*	*	*	*	*	*	*	*	*	*	Burlington.
scitulus,	"	L "			*	*	*	*	*	*	*	*	*	*	*	*	*	" "
Nipterocrinus , Wachsmuth, MS.		.....																
arbores,	Worthen.	L "			*	*	*	*	*	*	*	*	*	*	*	*	*	Burlington.
Wachsmuthi,	M. & W.	L "			*	*	*	*	*	*	*	*	*	*	*	*	*	" "

† See Proc. Acad. Nat. Sci. Philad. 1865, p. 167 (Meek).

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Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Oligoporus , <i>Meek & Worthen</i> , 1860.	Lepidisthes.																
Danae,	L'							*									Warsaw.
nobilis, M. & W.	L'							*									Calloun Co.
Onychaster , <i>Meek and Worthen</i> , 1869.																	
Barrisi, Hall.	L'					*											Crawfordville.
exculpatus, Lyon & Cass.	L'							*									Springfield.
flexilis, M. & W.	UCM.							*									
Onychocrinus , <i>Lyon and Cassed.</i> 1859.																	
diversus, M. & W.	L'					*											Burlington.
Monroensis, "	L'							*									Keokuk.
Norwoodi, "	L'							*									"
Whitfieldi, Hall.	L'							*									Randolf Co.
Palæchinus , <i>Seouler</i> , 1840. Meloniites.																	
Burlingtonensis, M. & W.	L'					*											Burlington.
gracilis, "	L (upper beds)					*											"
Pentremites , <i>Say</i> , 1820. Blastoidea.																	
angularis, Lyon.	M. Grit										*						Rough Creek. Breckenridge Co.
bipyramidalis, Hall.	L'				*												
Burlingtonensis, M. & W.	Kinderh., L'			*	*												Cedar Creek. Burlington.
calycinus, Lyon.	L''', M. Grit					*		*			*						Kaskaskia. Grayson Co.
cervinus, Hall.	L'''			*		*		*			*						Chester.
Cherokee-ensis, Swallow.	L'''			*		*		*			*						
<i>sulcatus.</i>																	
conoideus, Shum.	L''			*	*	*	*	*									St. Louis. Randolph. Bloomington.
curtus, "	L'''			*													Fenton. St. Louis.
<i>Granatocrinus.</i>																	
decussatus, "	LLS.										*						Buttonmould Knob. Louisville.
elegans, Lyon.	L'''										*						Grayson Springs.
elongatus, Shum.	L'			*	*	*	*	*			*						Rocheport. Pike Co.
florealis, Say.	L', L'''			*	*	*	*	*	*	*	*	*					St. Mary's, St. Louis, Spergen Hill, [&c.]
<i>Pentatrematites.</i>																	
Godonii, Defrance.	L'', L'''	*		*		*	*	*	*	*	*	*					Washington, Perry Cos., Chester, &c.
<i>florealis.</i>																	
globosus, Troost.	L', Keokuk						*										White's Creek (Tennessee). Allen
granulatus, F. Röm.	L'', "								*		*	*					Warsaw. [Co. (Kent.).]
granulosus, M. & W.	"							*			*	*					Spergen Hill. Floyd's Co.
Grosvenori, Shum.	L'						*	*	*	*	*	*					Buttonmould Knob.
Kentuckyensis, "	Kinderh.						*				*	*					
<i>Codaster.</i>																	
Kirkwoodensis, "	L'''						*										St. Louis. [dolph Co.]
Koninckianus, Hall.	L'''			*	*	*	*	*	*	*	*	*					" Spergen Hill. Alton. Ran-
laterniformis, Owen & Shum.	L', L'''			*		*	*	*	*	*	*	*					St. Genevieve. Greenville. Spergen
lineatus, "	L' (Enerin. L'st.)						*				*	*					Monmouth. [Hill.]
longicostalis, Hall.	L'						*				*	*					Warsaw.
Melo, Owen & Shum.	L'					*					*	*					Burlington.
var. projectus, M. & W.	L'					*					*	*					"
Missouriensis, Swall.	L''					*		*			*	*					Warsaw, &c.
obesus, Lyon.	L'', Millst. Grit.					*		*			*	*					St. Mary's. Swanee Railroad.
obliquatus, Ferd. Röm.	L'''						*	*	*	*	*	*					Clarksville.
<i>laterniformis.</i>																	
ovalis, D. D. Owen.	L'''			*		*	*	*	*	*	*	*					Dover's Hill, &c.
pyriformis, Say.	L'''			*		*	*	*	*	*	*	*					St. Mary, Dover's Hill, &c.
robustus, Lyon.	L'', Millst. Grit.			*		*	*	*	*	*	*	*					Grayson Co. &c.
Sayi, Shum.	L'			*		*	*	*	*	*	*	*					Boone, Marion Counties.
Sirius, C. A. White.	L (upper beds)			*		*	*	*	*	*	*	*					Burlington.
sulcatus, Shum.	L'''			*		*	*	*	*	*	*	*					St. Mary's. River Okaw.
symmetricus, Hall.	L'''						*	*	*	*	*	*					Montana Territory, &c.
Troostii, Shum.	L'''						*	*	*	*	*	*					Hardin Co.

EUROPE, &c.

Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SELESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Pachycrinus , <i>Eichw.</i> , 1859.																	
notatus,	L"													*			
Palæchinus , <i>M'Coy</i> ; <i>Scouler</i> , 1840.																	
dispar,	De Waldheim. L', L'													*			[(Toula). Sloboda
elegans,	M'Coy. LLS., L'	*															Hookhead. Fethard.
ellipticus,	Scouler. L'	*			*												Millicent (Co. Clare). Famignoul.
intermedius,	Keeping.	*															Hook Head.
gigas,	M'Coy. LLS., L', L'"	*		*													Raheen (Co. Donegal). Clitheroe.
Königii,	Scouler. Calp.	*															Raheen's Bay.
paradoxus,	Eichw. L'"													*			Sterlitamac.
sphaericus,	Scouler. CL.	*															
ellipticus.																	
Palæocomma , <i>Eichw.</i> , 1859.																	
subtilis,	Eichw.													*			Mjatschkovo. Govt. Sloboda.
Pentephyllum , <i>Haughton</i> , 1859.																	
Adarensis,	Haughton.	*															
Pentremites , <i>Say</i> , 1820. Pentatremites , <i>Sow.</i>																	
acutus,	Sow. L'"			*													Bolland.
angulatus,	" L'"			*													"
campanulatus,	M'Coy.			*													Derbyshire.
caryophyllatus,	Kon. L'			*													Tournai (in upper clay).
crenulatus,	F. Röm. L'			*													"
Derbyensis,	Sow.	*		*													Bolland. Derbyshire. Staffordsh.
ellipticus,	" L'"	*		*													Fermanagh. Bolland. Preston (Lancashire).
globosus,	Say. L'"	*		*													Bristol.
inflatus,	Sow. L', L'"	*		*	*												Raheny (Dublin). Bolland. Tournai.
oblongus,	" L'"	*		*													Bolland.
orbicularis,	" L'"	*		*													"
Orbigyanus,	De Kon. L'			*													Tournai.
ovalis,	Goldf. CL.	*															
pentangularis,	Sow. L'"	*		*													Bolland.
Puzosii,	Münster. L'	*		*													Tournai.
Waterhousiana, Kon. & Le Hon.	.....	*		*													" (upper clay).
Perischodomus , <i>M'Coy</i> , 1849.																	
biserialis,	M'Coy. L'	*															Hook Head (Wexford).
Phillipsocrinus , <i>M'Coy</i> .																	
caryocrinoides,	M'Coy. CL.	*															
Pisocrinus , <i>De Koninck</i> .																	
globularis,	De Kon. L'	*															Beith (Ayrshire). Robroyston.
ornatus,	" CL.	*		*													
pilula,	" CL.	*	*	*													Dudley.

NORTH AMERICA.

Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
truncatus,	Conrad.	L' ?						*										Edwardsville. Madison Co.
Woodmanni,	M. & W.	L'						*										Leatherwood. Lawrence Co.
Wortheni,	Hall.	L', L''					*	*	*									Keokuk. Nauvoo.
spec. indet.,																		
"	Shum.	L				*	*											Birmingham.
"	"	L'				*												Callaway Co.
Pholidocidaris , Meek and Worthen, 1869.																		
irregularis,	M. & W.	L'						*										
Platycrinus , Miller, 1821. Platycrinites .																		
aequalis,	Hall.	L					*											Burlington.
Americanus,	Owen & Sh.	L					*											"
angulatus,	Shum.	L''					*											St. Louis limestone.
asper,	M. & W.	L					*											Burlington.
brevinodus,	Hall.	L'					*											Keokuk.
Burlingtonensis,	Owen & Sh.	L (Enerinite)					*	*										Burlington. Monmouth.
calyculus,	Hall.	L					*											"
canaliculatus,	"	L					*											"
cavus,	"	L					*											"
clytus,	"	L					*											"
contritus,	"	Kinderh.								*								Summit Co.
corrugatus,	Owen & Sh.	L					*											Burlington.
depressus,	"	L'' ?							*									Monroe Co.
discoidens,	"	L					*											Burlington.
elegans,	Hall.	L					*											"
erminulus,	"	L					*											"
excavatus,	"	L					*											"
exsertus,	"	L					*											"
Georgii,	"	L', L''						*										Warsaw. St. Louis limestone.
glyptus,	"	L					*											Burlington.
graphicus,	"	Kinderh.							*									Summit Co.
Halli,	Shum.	L					*											Burlington. [ville.
hemisphaericus,	M. & W.	L''						*	*									Niota (Hancock Co.).
incomptus,	White.	L					*											Crawfords-
insculptus,	Troost.	L									*							Burlington.
Lodensis,	Newberry.	Kinderh.								*								Medina Co. (Waverley sandstone).
multibrachiatus,	M. & W.	L					*											Burlington.
Niotsensis,	"	L''						*										Niota.
nodobrachiatus,	(Troost) Hall.	L					*											Burlington.
nodulosus,	"	L					*											"
nucleiformis,	"	L					*											"
ornigranulus,	M-Chesn. &c.	L					*											"
<i>Americans.</i>																		
Oweni,	M. & W.	L					*											"
parvinodus,	Hall.	L					*											"
parvulus,	M. & W.	L''						*										Pope Co.
penicillus,	Hall.	L''						*										Hardin Co.
pileiformis,	"	L					*											Burlington.
planus,	Owen & Sh.	L, L''					*	*										Monmouth.
plenus,	"	L''					*	*										Hardin Co.
pleurovimenus,	C. A. White.	L (upper beds)					*											Burlington.
pocilliformis,	Hall.	L					*											"
polydaetylus,	Troost.											*						"
Prattenianus,	M. & W.	L''						*					*					Randolph Co.
pumilis,	Hall.	L''						*	*									Warsaw.
quinquenodus,	White.	L					*											Burlington.
regalis,	Hall.	L					*											"
Richfieldensis,	Newberry.	Kinderh.							*									Richfield (Summit Co.).
Saffordii,	Hall.	L'					*			*	*							Keokuk. Allen Co. White's Creek.
Saræ,	"	L''				*												St. Louis Co.
scobina,	M. & W.	L				*	*											Burlington.
<i>Zecrinus</i> .																		
sculptus,	Hall.	L					*											"
Shumardianus,	"	L					*											"
striobrachiatus,	"	L					*											"
subspinosus,	"	L					*											"
tenuibrachiatus,	M. & W.	L (upper)					*											"
truncatulus,	Hall.	L					*											"
truncatus,	"	L					*											"
tuberosus,	"	L					*											"

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.														Locality.		
		IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RIENSI PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.		URAL.	ALTAI.
Platycrinus , <i>Miller</i> , 1821.																	
<i>authelicutus</i> , Kon. & Le Hon.	Austin. L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hook Point. Mendip Hills.
<i>arenosus</i> , Münst.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Tournai (upper clay).
<i>armatus</i> , Kou. & Le Hon.	Phill. LLS., L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hook Head (Wexford). Tournai.
<i>Austinianus</i> , Goldf.	L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Craggenore (Govt.). Bolland.
<i>contractus</i> , M'Coy.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Knockacoller (Queen's Co.). Mendip.
<i>coronatus</i> , Phill.	L''' (Yored.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Fermanagh. [Bolland.
<i>diadema</i> , M'Coy.	LLS., L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Knocksoona. Alport. Bolland. Tour-
<i>ellipticus</i> , Phill.	LLS., yel. sands.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bandorau. [ni.
<i>expansus</i> , De Kon.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hook Point. Mendips. Bolland.
<i>gigas</i> , Miller.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Tournai (upper clay).
<i>granosus</i> , Phill.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hook Point. Castle Roberts. Men-
<i>granulatus</i> , Kon. & Le H.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Newton. Plymouth. [dips, &c.
<i>interseapularis</i> , Phill.	LLS., L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hook Head, Fethard, Bolland, &c.
<i>Dimorphocrinus</i> , 1847.	Miller. LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Malahide, Beith, Bolland, Tournai.
<i>lacinatus</i> , M'Coy.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bolland. [&c.
<i>laevis</i> , Phill.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	"
<i>megastylus</i> , Kon. & Le H.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Tournai.
<i>mirostylus</i> , "	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	" (clay beds).
<i>Müllerianus</i> , M'Coy.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	"
<i>Olla</i> , Miller.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Mendip Hills. Bristol.
<i>ornatus</i> , Goldf.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bristol. Clitheroe. Tournai.
<i>pentangularis</i> ?, Owen.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bolland. Tournai (upper clays).
<i>pileatus</i> , M'Coy.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Clitheroe.
<i>planus</i> , "	LLS., CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	"
<i>plicatus</i> , Miller.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Scales. Rac's Gill. Whitewell.
<i>punctatus</i> , M'Coy.	LLS., CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	[Tournai.
<i>rugosus</i> , Austin.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hook Point (Wexford). Mendips.
<i>similis</i> , Miller.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Famignoul.
<i>spinus</i> , M'Coy.	L''?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Wexf. Black Rock (Brist.). Tournai.
<i>striatus</i> , Miller.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hook Point, Black Rock (Bristol), &c.
<i>triacontadactylus</i> , De Kon. & Le H.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	South Shiells. Bristol. Tournai.
<i>trigintadactylus</i> , Miller.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Mendips. Bolland. Tournai.
<i>tuberculatus</i> , M'Coy.	L''?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bakewell (Derbyshire).
<i>vesiculosus</i> , M'Coy.	L''?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

NORTH AMERICA.

Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
verrucosus,	White.	L					*											Burlington.
Wortheni,	Hall.	L					*											"
Yandelli,	Owen & Shum.	L					*											"
spec. indet.,		Kinderh.				*												
Poteriocrinus , <i>Miller</i> , 1821. <i>Poteriocrinites</i> .																		
æqualis,	Hall.	L, Encerinit. L'st.					*											Burlington.
Barrisii,	"	L					*											"
Bisselli,	Worth.	L					*		*									Burlington.
bursæformis,	White.	L					*											"
calyculus,	Hall.	L					*											Burlington.
carbonarius,	M. & W.	UCM.					*		*									Springfield.
carinatus,	"	L					*											Burlington.
Clio,	"	L					*											"
concinus,	"	L'					*		*									Crawfordsville.
Coreyi,	"	L'					*		*									Summit Co.
crateriformis,	Troost.	L''				*			*	*	*	*	*	*	*	*	*	Summit Co. (Upp. Waverley S't.).
Crineus,	Hall.	Kinderh.					*				*							Burlington.
cultidactylus,	"	L					*											"
cylindricus,	Lyon.	L'					*				*							"
dichotomus,	Hall.	L					*											Burlington.
dilatatus,	"	L					*											"
fusiformis,	"	L					*											"
Hardinensis,	Worth.	L'					*		*									Hardin Co.
hemisphaericus,	Shum.	L		*	*	*			*									Verdigris Valley, Boone Co., Lexing-
Indianensis,	M. & W.	L'					*		*									Crawfordsville. [ton, &c.
Juvenis,	"	L'?					*											"
Keokuki,	Hall.	L'					*											Keokuk.
lepidus,	"	L					*											Burlington.
Macoupinensis,	Worth.	UCM.					*		*									"
maniformis,	"	L'					*											Wittenburg.
Meekianus,	Shum.	L'					*											Dresden.
Missouriensis,	"	L''					*		*									St. Louis, &c.
municipalis,	Troost.	L					*						*					"
Norwoodi,	M. & W.	L'''					*		*									Hancock and Pope Cos.
notabilis,	"	L					*											"
obuncus,	C. E. White.	L					*											Burlington.
occidentalis,	Owen & Shum.	L'''					*		*									Chester.
<i>Agassizocrinus</i> .																		
penicillus,	M. & W.	L &c.					*											Burlington.
perplexus,	"	L					*											"
Pleas,	Hall.	Kinderh.					*				*							Summit Co.
rhombiferus,	Owen & Shum.	L					*											Burlington.
rugosus,	Shum.	UCM.					*											Putnam Co., &c.
salignoideus,	White.	L					*											Burlington.
scalaris,	M. & W.	LCM.?					*											"
simplex,	Hall.	LCM.?					*											"
solidus,	M. & W.	L					*											Burlington.
spinosus,	Owen & Shum.	L'''					*		*									Kaskaskia.
striatus,	M. & W.	LCM.?					*											"
subinpressus,	"	L					*											Burlington.
subtumidus,	"	L'''					*		*									Bay City (Pope Co.).
Swallowi,	"	L					*											Burlington.
tenuibrahiatus,	"	L					*											"
tenuidactylus,	"	L					*											"
Tethys,	"	L (upper beds)					*		*									"
tumidus,	Owen & Shum.	L'''					*		*									Chester.
ventricosus,	Hall.	L					*											Burlington.
<i>Cæliocrinus</i> .																		
Protaster , <i>Forbes</i> , 1849.																		
gregarius,	M. & W.	L''					*		*									Crawfordsville.
spec. indet.,	"	L'''					*											"
Pterotocrinus , <i>Lyon and Cassed</i>																		
capitalis,	Lyon.	L'''					*				*							Snbgens of <i>Dichocrinus</i> .
Chesterensis,	M. & W.	L'''					*		*									Crittenden Co.
coronarius,	Lyon & Cass	L'''					*		*				*					Chester.
cornutus,	Troost.	L'''					*					*						Crittenden Co.
crassus,	M. & W.	L'', L'''					*		*				*					Hardin Co.
depressus,	Lyon & Cass.	M. Grit				*			*			*						Grayson Co. The Springs.
pyramidalis,	"	" in L'st.				*			*			*						Grayson, Edmondson, Breckenr. Cos.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.																Locality.
		IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	
Poteriocrinus , <i>Miller</i> , 1821. <i>Poteriocrinites</i> .																	
abbreviatus, Austin. L'		*															Hook Point (Wexford).
bijugus, Trautsch. L''														*			Moscow.
calyx, De Kon. L'''		*	*	*	*	*								*			Derbyshire. Visé.
conicus, Phill. L', L'', L'''		*	*	*	*	*								*			Cleenish. Beith. Visé. Moscow.
conoideus, De Kon. L'''					*												Visé (lower beds).
crassimanus, M'Coy. L'		*															Wexford.
crassus, Miller. L', L'', L'''		*	*	*	*	*			*					*	*		Dehora, &c. Campbelltown. Bristol.
dactyloides, Austin. L'		*															Tournai. Rasdzin. Saraninsk.
gracilis, M'Coy. LLS., L'		*	*														Hook Point (Waterford Haven).
granulosus, Phill. L', L'', L'''		*	*	*					*								Hook Head. Fethard. Kirkaldy.
impressus, " L', L'', L'''		*		*										*			Belmore, Kirkaldy, Bolland, &c.
isacobus, Austin. L', L''		*		*													Arran. Whitwell. Sloboda.
latifrons, " L''				*													Hook Point. Bristol.
longidactylus, " L'''				*													Mendip Hills.
Maccoyanus?, De Kon. L', L'''		*		*		*											Mendips. Clevedon Bay.
matrocheirus, M'Coy. LLS., CL.		*															Beith. Howood. Visé.
minutus, Ad. Röml. L'									*								Lautenthal.
multiplex, Trautsch. L''														*			Moscow.
nuciformis, M'Chesney. L''		*	*	*										*			Derbysh., Serpoukhoff (Moscow), &c.
originarius, Trautsch. L''														*			Kalomma (limestone breccia).
pentagonus, Austin.			*														Clevedon Bay.
Phillipsianus, " ? L'''			*	*	*												Bolland. Clevedon. Visé. [&c.
quinque-angularis, Miller. L''		*	*	*	*									*			Capelrig. Bolland, Bristol, Karowa.
radiatus, Austin. L', L'''		*		*	*												Hook Point. Yorksh. Tournai. Visé.
rostratus, " ? L', L'''		*		*	*												" Clevedon. Bristol.
spissus, De Kon. L', L'''		*	*	*	*												Capelrig. Clevedon. Eccausines.
tenuis, Miller. L''		*	*	*	*									*			Tournai. [&c.
tenuissimus, Eichw. L'														*			Rae's Gill, Bristol, Tournai, Karowa.
varians, " L'														*			(Govt. Toula) Sloboda.
spec. nova, De Kon.					*												" "
Protocochinus , <i>Austin</i> .																	
anceps, Austin. CL.			*														

[illegible]

[illegible]

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EUROPE, &c.																	
Genus, Species, and Author.	Horizon.																Locality.
		IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	
Synbathocrinus , <i>Phillips</i> , 1836. conicus,	Phill. L', L'''	*	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Wexford. Bolland. Bristol.
Taxocrinus , <i>Phillips</i> , 1843. Egertoni, macrodaetylus, nobilis, polydaetylus,	Phill. L''' " LLS. " L''' M'Coy. LLS., L''	*	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Hawes. Yoredale? Clonca (Ballinacourty), &c. Bolland. Ballintrillick.
Woodocrinus , <i>De Koninck</i> , 1854. macrodaetylus,	L'''	*	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Richmond. Yorkshire (in contact with Millstone Grit).
Zygocrinus , <i>Bronn</i> , 1850? <i>Astr</i> Bennici, tetragnus,	<i>ocrinites</i> , Austin. R. Ether., jun. L' Austin. L'	...	...	*	...	...	...	...	...	...	...	...	...	...	...	...	Carlops (Peeblesshire). Hadding- tonshire. Dunbar. Fifeshire. Settle (Yorkshire).

SUBKINGDOM ANNULOSA. ORDER TUBICOLA. CLASS ANNELIDA.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Serpula , <i>Linnaeus</i> , 1756. carbonaria, R. Brown.	L''														*		Sydney Coal-field.
Serpulites , <i>McLeay</i> , 1839. annulatus, Dawson. Hortonensis, " inelegans, "	L'' LCM. L''														*		Bed b. Windsor. Halfway River. Bed b. Windsor.
Spirorbis , <i>Lamarck</i> , 1818. angulatus, Dawson. annulatus, Hall. var. nodulosus, " arietina, Dawson. carbonarius, "	L' L'' L'' M. Grit LCM., M., U.							*	*					*	*		Windsor. Alton. Warsaw. Bloomington. Spergen Hill. None given. Common everywhere.

SUBKINGDOM ANNULOSA. DIVISION ARTHROPODA OR ARTICULATA.
CLASS CRUSTACEA.

NORTH AMERICA.

[illegible]

SUBKINGDOM ANNULOSA. DIVISION ARTHROPODA OR ARTICULATA.

CLASS CRUSTACEA.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHÉNUS PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Adelophthalmus , <i>Jordan</i> , 1856 <i>granosus</i> , <i>Jordan</i>	MCM.						*										<i>Eurypterus</i> .
Anthrpalæmon , <i>Salter</i> , 1861...																	<i>Palæocarabus</i> , 1863.
Grossarti, <i>Salter</i>	LCM.		*														Airdrie. Goodock Hill (Shotts).
dubius, <i>Prestwich</i>	MCM.			*													Coalbrookdale.
Russellianus, <i>Salter</i>	LCM.																Chapel Hill (Airdrie).
Arthropleura , <i>Jordan</i> , 1856. <i>armata</i> , <i>Jordan</i>	MCM.						*										Saarbruck.
Bairdia , <i>McCoy</i> , 1844																	Subgenus of <i>Cythere</i> .
<i>æqualis</i> , <i>Eichw.</i>	L'													*			Sloboda (Govt. Toula).
<i>ampla</i> , <i>Reuss</i>	L'			*	*												Hairmyres.
<i>brevis</i> , <i>Jones & Kirkby</i>	L', L'''			*	*												Craigenglen. Gare. Brockley.
<i>curta</i> , <i>McCoy</i>	LLS., L''', LCM.	*	*											*			Granard. Carluke. Howrat. Sloboda.
<i>var. plebeia</i> , <i>Jones & Kirkby</i>	L', L'''			*													Craigenglen. Robroyston.
<i>distracta</i> , <i>Eichw.</i>	L'													*			Kalouga. Borowitschi.
<i>elongata</i> , <i>Münster</i>	L'			*													East Kilbride.
<i>excisa</i> , <i>Eichw.</i>	L'													*			Likhvine. Sloboda (Govt. Toula).
<i>grandis</i> , <i>Jones & Kirkby</i>	L', L'', LCM.			*	*									*			Carluke. Moscow, &c.
<i>Hisingeri</i> , <i>Münst.</i>	L'			*	*												Craigenglen. Hairmyres.
<i>lævigata</i> , <i>Eichw.</i>	L'													*			Sloboda and Filimonoff.
<i>mucronota</i> , <i>Reuss</i>	L', L'''			*	*												Craigenglen. Robroyston.
<i>Qualini</i> , <i>Eichw.</i>	L''													*	*		Sterlitamak (Govt. Orenburg).
<i>radiata</i> , <i>Jones & Kirkby</i>	L''' ?			*													Robroyston.
<i>subcylindrica</i> , <i>Münst.</i>	L', L'''			*													Craigenglen. Robroyston.
<i>gracilis</i> .																	
<i>subdecorata</i> , <i>Jones & Kirkby</i>	CL.			*													
<i>submucronata</i> , " "	L'''			*													" "
<i>ventricosa</i> , " "				*	*												
Bellinurus , <i>König</i> , 1825																	<i>Xyphosura</i> .
<i>arcuatus</i> , <i>Baily</i>	LCM.		*														Bilboa Colliery. Queen's Co.
<i>armatus</i> , " "	UCM.		*														" "
<i>bellulus</i> , <i>Prestw.</i>	MCM.			*													Coalbrookdale.
<i>Kiltorkanensis</i> , <i>Baily</i>	LLS. ?			*													Kiltorkan.
<i>Konigianus</i> , <i>H. Woodw.</i>	UCM.			*	*												Dudley Coal-field.
<i>Regina</i> , <i>Baily</i>	UCM.			*													Bilboa Colliery. Queen's Co.
<i>trilobitoides</i> , <i>Buckland</i>	MCM., U.		*	*	*												Maghera. Kilmaur. Coalbrookdale.
Beyrichia , <i>McCoy</i> , 1846																	Ostracoda. LYMNADIDÆ.
<i>arcuata</i> , <i>Bean</i>	L'', LLS., M.G.&c.		*	*													Airdrie. Priorsfield. Northumber-
<i>Binneyana</i> , <i>Rupert Jones</i>	UCM.			*													Wigan. [land.
<i>bituberculata</i> , <i>McCoy</i>	LLS., L', L'''		*	*													Orchard, near Thornlie Bank.
<i>colliculus</i> , <i>Eichw.</i>	L', Main Limest.			*										*			Carluke. Likhvin. Kalouga.
<i>fastigiata</i> , <i>Jones</i>	LLS., L', L'''			*	*												Bathgate. Craigenglen. Boghead.
<i>gibberosa</i> , <i>Eichw.</i>	L'													*			Sloboda (Govt. Toula), yellow clay.
<i>gigantea</i> , <i>Jones & Kirkby</i>	L', L''		*	*	*												Cork. Parkhill (Longnor).
<i>multiloba</i> , <i>Jones</i>	LLS., L', L''			*	*												Rae's Gill. Craigenglen, &c.
<i>radiata</i> , <i>Jones & Kirkby</i>	L', L'''			*	*												Craigenglen. Williamwood. Wigan.
<i>rigida</i> , <i>Kirkby</i>	L''			*													Orchard. Arden. Thornlie Bank.
<i>subarenata</i> , " "	LLS., LCM., U.			*	*												Burdie House, limestone.
<i>spec. indet.</i> , <i>Jones</i>	L''			*													Parkhill. Longnor.
Bostrichopus , <i>Goldfuss</i> , 1839																	See Supplementary Table.
Bradycinctus , <i>George O. Sars</i> , 1865.																	
<i>Rankinianus</i> , <i>Jones & Kirkby</i>			*														Gare. Carluke (1st Calmy limest.).
Candona ?, <i>Baird</i> , 1845.																	Fam. CYPRIDÆ.
<i>Salteriana</i> , <i>Jones</i>	UCM.			*													Manchester.
<i>Tateana</i> , " "	LLS.			*													Berwickshire.

[illegible]

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Wrightiana,	Jones & Kirkby.	L'.....	*															Cork. Little Island.
Youngiana,		L".....	*															Carluke. Gare.
Cypridinopsis , Jones and Kirkby,		1871.....																See Polycope .
simplex,	Jones & Kirkby.	1st Calmy L'st.	*															Glasgow environs.
Youngiana,	"	L".....																South Hill (Campsie). Carluke.
Cypris , Müller, 1756?		.....																Fam. DAPHNOIDEA. Leperditia .
incisa,	Ludwig.	CM.....						*										Black Band, Altenessen.
Scoto-Burdigalensis & subrecta,	P	ortl.....	*															Derry. Tyrone. Fermanagh.
Cythere , Müller, 1785.																		
amputata?,	Kirkby.	L', L".....	*	*														Orchard. Carluke. Robroyston.
annulata,	De Kon.	L', L".....			*													Famignoul. Visé.
bilobata,	Münster.	L'.....	*	*														Milburn. Carluke.
concentrica,	De Kon.	L'.....			*													Famignoul.
cornigera,	Jones & Kirkby.	L', L".....	*															Craigenglen. Orchard.
costata,	M'Coy.	CL.....																
Crosskeyana,	"	L'.....	*															Bathgate shales.
cuneola,	Jones & Kirkby.	L', L".....	*															Boghead. Calderside, &c.
Edwardsiana,	De Kon.	L".....			*													Charleroi? Famignoul.
fabulina,	Jones & Kirkby.	L', L", UCM.....	*															Craigenglen, Possil, Gare, &c.
<i>Carbonia</i> .																		
var.	"	L".....	*															Robroyston.
intermedia,	Münst.	L'.....	*	*														Carluke. Somersetshire.
Jonesiana,	Kirkby.	L'.....			*													Craigenglen.
Münsteriana,	Jones & Kirkby.														*			
nigrescens,	Eichw.	L'.....													*			Filimonoff.
oblonga,	M'Coy.	LLS., L'.....	*	*														Draper's Town. Cullion.
obtusa,	Jones & Kirkby.	L'.....	*															Tirfergus Glen (Campbelltown).
? ovalis,	Stoddart.	LLS.			*													Bristol.
pungens (<i>Carbonia</i>), Jones & K'by.	L', UCM.....		*	*														Craigenglen. Somerset? (in 5 sedi- ments).
Rankiniana (<i>Carbonia</i>), "		L', L", UCM.....	*	*														Rae's Gill. Proven Hall.
secans (<i>Carbonia</i>), "		L'.....	*	*														Craigenglen (in fresh water).
simplex,			*															Carluke (Hunter).
sphaeridium,	Keyserl.	UCM.....													*	*		Sterlitimak.
subula,	Jones & Kirkby.	L'.....	*															Crossgate Hall. Craigenglen. Rae's Gill.
Thraso,	MSS.	L'.....	*															Mayfield limestone.
Toulensis,	Semenh. & Möll.	L' or L".....													*			Toula, &c.
ventricornis,	Jones & Kirkby.	L', L".....	*															Robroyston. Orchard. Craigenglen shales.
Youngiana,	"	L', L".....	*															Southill (shale above Hosier limest.).
Cytherella , Rupert Jones, 1849.		Subg. of <i>Cythere</i> .																
brevis,	Jones.	CL.....																Carluke.
inflata,	Münst.	LLS., L', UCM.....	*															Craigenglen. Hof (Bavaria).
lunata,	Stoddart.	LLS.			*													Gloucestershire.
simplex,	Jones & Kirkby.	L'.....	*															Rae's Gill. Carluke. Main limest.
Cytherina , Rupert Jones, 1849...																		See Cythere , Cythereis , Cy- therella .
Daphnia , M'Coy, 1844.																		
primæva,	M'Coy.	CM.....	*															East Kilbride (Lanarkshire).
<i>Cypridina</i> .																		
Dithyrocaris , Scouler, 1835, = Argas .																		
Colei,	Portlock.	LLS., L'.....	*	*														Aghnaglogh. Clogher. Craigenglen. Marine shales. [lage.]
glabra,		L'.....	*															Near the Church, East Kilbride Vil-
granulata, Woodw. & Ether., jun.			*															"
orbicularis,	Portlock.	L'.....	*															Ballinascreen (Derry). "
ovalis, Woodw. & Ether., jun.	L'.....		*															Kirktonholm (E. Kilbride).
paradoxides,	De Kon.	L'.....	*		*													Famignoul.
striatus, Woodw. & Ether., jun.	L'.....		*															Carmichael Burn (Lanarkshire).
tenuistriatus, Scouler, M'Coy.	L', L".....		*	*	*													Robroyston. Settle. Visé.
testudinea,	Scouler.	L', L".....	*	*														Derry and Tyrone. Paisley (above Hosier limestone). Orchard.
<i>Scouleri</i> .																		
tricornis,	Scouler.	L', L".....	*															Paisley. Kirktonholm (E. Kilbride).
spec. indet.,	M'Coy.		*															Derbyshire.
Edwardsiana , De Koninck.																		
Eichwaldia , Rupert Jones and Kirkby.																		
Scotica,	Jones & Kirkby.	L'.....	*															Campbelltown.
Entomis , Rupert Jones, 1868. Fa	m. CYPRIDINADÆ.																	
Burrovii,	Jones & Kirkby.	L'.....	*															Settle.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
concentrica, De Kon.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Carluke (main limestone).
Koninekiana, Jones & Kirkby.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Settle (Yorkshire).
obscura, " "	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cork (Little Island).
triconcentrica, " "	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	" "
Entomoconchus, M'Coy, 1839...	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Fam. LYMNADIDÆ.
globosus, Jones & Kirkby.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	West Broadstone (Ayrshire).
orbicularis, " "	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cork.
Scouleri, M'Coy.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Castleknock. W. Broadstone. Bol- land. Visé.
Estheria, Rüppell; Strauss, 1838	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Fam. LYMNADIDÆ.
Adamsi, Jones.	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	South Wales.
Peachii, " "	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Salisbury Crags, Camston Quarry. &c.
punctatella, " "	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Carluke. Meikle Earnock (Kilbride).
striata, Münst.	LCM., M.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Lanarkshire.
var. Beinertiana, Jones.	LCM., M.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	" Lancash. Glatz (Silesia).
" Binneyana, " "	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Chesterfield. Derbyshire.
" Tateana, " "	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Berwickshire.
tenella, Dr. Jordan.	LCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Shotts. Lancash. S. Wales. Autun. Sulbach.
Eurypterus, DeKay, 1826. Eidotea, Scouler.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Stylonurus, Huxley.
granosus, Jordan.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Jagersfreunde (Saarbruck).
Adelophthalmus.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.....
? mammatus, Salter.	MCM., M.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Pendleton. Ram's Mine. Man- chester.
Scouleri, Hibbert.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Batbgate Hills. Campsie. Kirkton.
Gampsonyx (-nychus), Jordan & Herm. von Meyer, 1856.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Uronectes. Carcinurus, Bronn.
fimbriatus, Jordan.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	St. Ingbert, Lebach, Saarbruck, and Bavaria.
parallelus, Fritsch.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Lisek Basin.
Kirkbya. Fam. LEPERDITIDÆ.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.....
annectens, Jones & Kirkby.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Orchard, Grange Quarry, Burntis- land, &c.
bipartita, " "	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Craigenglen. Orchard.
bituberculatus, M'Coy.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.....
Eichwaldiana, Jones & Kirkby.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Craigenglen. Swindridge.
impressa, " "	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Weston-super-Mare (Somersetsb.).
oblonga, " "	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Brockley. Craigenglen.
Permiana, Jones.	LLS., L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	" Robroyston, &c. Cumber- land, &c.
plicata, Jones & Kirkby.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Tirfergus Glen (arenaceous limest.).
Scotica, " "	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	" Campbelltown (are- naceous limest.).
spinosa, Jones.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Craigenglen shales, &c.
striolata, Eichw.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Sloboda (Govt. Toula).
unbonata, " "	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Craigenglen. Northumberland.
Urii, Jones.	LLS., L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Birkfield, Kilbride, Robroyston, &c.
spec. nova, " "	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	" (Hairmyres).
" " " "	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	" "
Leaia, Rupert Jones, 1862.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.....
Leidi, Lea.	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Glamorganshire (S. Wales).
var. Salteriana, Jones.	LCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Crail (Fifeshire). Glamorganshire.
" Williamsoniana, " "	LCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ardwick (Lancash.). Glamorgansh.
Wettinensis, Laspères.	MCM. or U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Wettin.
spec. indet., Jones.	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Fifeshire.
Leperditia, Rouault, 1851. Fam. LEPERDITIDÆ.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.....
acuta, Jones & Kirkby.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Central Germany.
amygdalina, M'Coy.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Lee.
Armstrongiana, Jones & Kirkby.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Craigie. Carluke. Hourat (main post limest.).
compressa, " "	Craig L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Craigenglen (marine shales).
inflata, Murch.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Shropshire (in limestone).
lavigata, Eichw.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	River Serena. Sloboda.
microphthalma, " "	L', CM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	" "
nigrescens, Trautsch.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Malowka.
oblonga, Jones & Kirkby.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Howrat (Hosie limestone).
Okeni, Münst.	L', L', L'', L''', LCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Campbelltown. Carluke. Gare (Calmy 1st.). Somers. Lancash. Visé.
var. subrecta, Portlock.	LLS., L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Campbelltown. Linckiln House.

† *Leperditia Okeni* has ten varieties registered under the following names:—*Cythere cornuta*, *C. elongata*, *C. excavata*, *C. gibberula*, *C. Hibberti*, *C. inornata*, *C. scutulum*, *C. oblonga*, *C. spinigera*, *C. trituberculata*. (M'Coy, 1844.)

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
parallela, Jones.	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Central Germany.
radians, Portlock.	L'	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Campbelltown.
Scotoburdigalensis, Hibbert.	LLS.	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Burdie Beds. Grange (Burntisland).
suborbiculata, Münst.	LLS. ?	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Limekiln House (E. Kilbride).
subrecta, Tatei, Jones.	.....	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Berwickshire.
Youngiana, Jones & Kirkby.	L'	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Possil Den (Dalry).
Lepidoderma.																	
Imhoffi, Reuss.	.....	..	..	..	..	..	..	..	..	..	..	*	..	..	..	..	Pilsen beds.
Moorea , Rupert Jones, 1867.																	
obesa, Jones.	L' ?	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Somersetshire.
tenuis, " "	L' ?	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	"
Offa , Jones and Kirkby, 1873?																	
Barrandiana, Jones & Kirkby.	L'	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Middleton (Cork).
Palæorbis , Van Beneden and M. Coemans, 1867.	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	= Gyromices , Goldf.
ammonis, Van Beneden.	LCM.	..	..	*	..	*	..	*	..	..	..	*	..	..	..	..	Alsdorf, Bochum, &c. (terrestrial
Kungurensis, Ludwig.	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	[Gasteropod ?).
Philomedes , Liljeborg, 1853.																	
Bairdiana, Jones & Kirkby.	L'	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Cork. Little Island.
Polycope , G. O. Sars, 1865. Cypripidinopsis.																	
Burrovii, Jones & Kirkby.	L'	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Settle (Yorkshire).
præacuturus, " "	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
simplex, " "	L'	..	*	*	..	..	..	..	..	..	..	..	..	..	..	..	Cork. Little Island (Co. Meath).
Youngiana, " "	.....	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	South Hill, Carlisle, &c.
Prestwichia , H. Woodward, 1863.																	<i>Limulus. Bellinurus.</i>
aduncata, H. Woodw.	MCM. ?	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Lancashire (ironstone nodules).
anthrax, Prestwich.	MCM.	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Coalbrookdale.
Birtwelli, H. Woodw.	MCM.	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Cornfield Pit (Lancashire).
rotundata, " "	MCM., U. ?	..	..	*	*	..	..	..	..	..	..	..	..	..	..	..	Kilmaurs. Woodhill (Padiham).
trilobitoidea, Buckland.	MCM.	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Coalbrookdale. Dudley.
<i>Limulus.</i>																	
Proracaris.																	
McHenrici, Bailly ?	LLS.	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Kiltorkan.
Pygocephalus , Huxley, 1857.																	
Cooperi, Huxley.	MCM., U.	..	..	*	*	..	..	..	..	..	..	..	..	..	..	..	Kilmaurs (Paisley). Bilston. Park
Huxleyi, H. Woodw.	LCM. ?	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Bridge.
Rhombina , Jones and Kirkby, 1873.																	Paisley (mid-clay ironstone).
Belgica, L' .....	.....	..	..	..	*	..	..	..	..	..	..	..	..	..	..	..	Visé.
Hibernica, L' .....	.....	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Cork. Little Island.
Sulcuna , Jones and Kirkby, 1873.																	
cuniculus, Jones & Kirkby.	L'	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	" "
lepus, " "	L'	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	" "
Vermilia , Lamarck, 1818; Brown.																	
minuta, Brown.	L'	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Limekiln Burn (Hamilton).
Youngia , Jones and Kirkby, MSS.																	
rectidorsalis, Jones & Kirkby.	L'	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Robroyston, &c.

SUBKINGDOM ANNULOSA. CLASS CRUSTACEA. TRILOBITÆ.

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Phillipsia , <i>Portlock</i> , 1843.											
bufo, M. & W. L"	Shum. UCM.	*						*			Crawfordsville.
Cliftonensis, Shum. UCM.		*									Clifton Park.
Doris, Hall. Kinderh.								*	*		Rockville (Upp. Waverley Sandst.).
granulifera, D. D. Owen.						*					
Howi, Billings. MCM.										*	Kennetcook (Hant's Co.).
insignis, Winch. L (base)						*					
(<i>Griffithides</i>) Lodiensis, Meek. Kinderh.				*				*			Clinton Co. Lodi, Medina Co.
major, Shum. UCM.		*		*							Verdigris Valley. Leocompton.
Maranamekensis?, " L, L', L'', UCM.		*		*		*					Fenton, St. Louis Co., &c.
Missouriensis, M. & W. Kind., L', MCM.		*		*				*			Hannibal. Lexington. Newark.
Portlockii, " L"								*			Warsaw.
pustulata, D. D. Owen. L				*	*						Burlington, &c.
Rockfordensis, Winch. Kinderh.				*	?			*			Rockford.
Saugamonensis, M. & W. UCM.								*			Springfield.
scitula, " UCM.								*	*		Warren Co.
semenifera, Phill. L"								*	*		
Tennessee-ensis, Winch. Kinderh.								*			Hickman and Maury Cos.
tuberculata, M. & W. "								*			Pike Co.
Vindobonensis, Hart. L"										*	Windsor.
spec. indet., Shum. Kinderh.				*							
" D. D. Owen. L'					*						Keokuk Rapids.
" Edw. Cox. CM. (shales) ..								*			
" C. A. White. MCM.					*						
" Geinitz. UCM. (linest.).		*									Mouth of River Platte.
Proetus , <i>Steininger</i> , 1831.											
auriculatus, Hall. Kinderh.								*			Licking Co.
ellipticus, M. & W. "								*			Jersey Co.
Missouriensis, Shum.				*							Hannibal. Marion and Green Cos.
Proutii, " Devonian?				*							Hamilton Group?
Swalovi, " Kinderh.				*							Chouteau Springs (Cooper Co.).

SUBKINGDOM ANNULOSA. CLASS CRUSTACEA. TRILOBITÆ.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Brachymetopus , M'Coy, 1847.																	
discors,	L'	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
<i>Phillipsia?</i>																	
Maccoyi, Portlock.	L'	*	.	*	*	.	.	.	.	.	.	.	.	*	*	.	Kildare, Dovedale, &c. Riv. Petschora, &c.
<i>Ouralicus</i> , Baily.																	
Griffithides , Portlock, 1843. Fam. PROETIDÆ.																	
biserialis, Eichw.	L''	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	Alexine. Likhvine.
Brongniarti, F. de Waldh.	L'', L'''	.	.	*	*	.	.	.	.	.	.	.	.	*	.	.	Bolland, Visé, Riv. Serena, &c.
calcaratus, M'Coy.	L'''	.	.	*	.	.	.	.	.	.	.	.	.	*	*	.	[Serena.]
Derbyensis, Martin.		.	.	*	.	.	.	.	.	.	.	.	.	*	*	.	Derbyshire. Rivers Petschora and [Serena.]
Eichwaldi (<i>Otarion</i>), F. de Waldh.	L', L'', L'''	.	.	*	.	.	.	.	.	.	.	.	.	*	.	.	Hourat. Belstone. Vereya.
<i>mucronatus</i> .																	
Famensis, Tate.	L'	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	Durham. Northumberland.
globiceps, Portlock.	L', L'', L'''	.	*	*	*	*	.	.	.	.	.	.	.	.	.	.	Rathmines. Bolland, Famignoul, &c.
longiceps, "	L''	.	*	*	*	.	.	.	.	.	.	.	.	.	.	.	Vallée Sichen (River Allier).
mesotuberculatus, M'Coy.	L', L'', L'''	.	.	*	*	*	.	.	.	.	.	.	.	.	.	.	Creggan, Clonfeacle, Carluke, Bake-
mucronatus, "	L', L'', L'''	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	well.
<i>Eichwaldi</i> .																	Carluke. Corrie. Derbysh. Cresset.
obsoletus, Morris & Phill.	LLS., L', L''	.	*	.	.	.	.	.	.	.	.	.	.	.	*	*	Fidler's Burn, Craigburn, &c.
platyceps, Portlock.		.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	Keadue (Roscommon), Kasatschy-
Otarion , ex parte Zenker, = Griffithides .																	datschi, &c.
Eichwaldi, F. de Waldh.	L', L''	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	Tyrone.
Phillipsia , Portlock, 1843, = Asaphus																	Peredki (Valdai). Moscow.
alternans, Ad. Röm.	LLS.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	Subf. ASAPHIADÆ: subg. <i>Phillipsia</i> .
Brongniarti, Fischer.	LLS., L'', L'''	.	.	.	*	*	.	.	.	.	.	.	.	*	.	.	Grund (limestone).
cœlata, M'Coy.	L', L'''	.	.	*	.	.	.	.	.	.	.	.	.	*	.	.	Bolland, Visé, Mjatschkovo, &c.
Colei, "	LLS., L'	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.	Killimeal (Duncannon).
crassimargo, Ad. Röm.	LLS. (limest.)	.	.	*	.	*	.	.	.	*	.	.	.	.	.	.	Lisnapaste (Ballintra). Famignoul.
Derbyensis, Martin.	L', L'', L'''	.	*	*	*	*	.	.	.	.	.	.	.	.	.	.	Grund.
? discors, M'Coy.	L'	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	Holme-Patriek. Beith. Longnor.
Eichwaldi, F. de Waldh.	L''	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	Famignoul.
gemmulifera, Phill.	L'	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	Moscow (white limestone).
globiceps, "	L''	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	Famignoul.
granulifera, "	L'''	.	*	*	*	.	.	.	.	.	.	.	.	.	.	.	Waulsort. Clermont-Ferrand (Prof.
Grünevaldti, Von Möller.	L''	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	Julien).
latespinosa, Sndbrgr.	Jüngste Grauw.	.	.	.	*	.	.	.	.	.	*	*	.	*	.	.	Tyrone, Bolland, Famignoul.
Maccoyi, Portlock.	L''	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	Moscow? (<i>Fusulina</i> limestone).
pustulata, Schloth.	LLS., L', L'', L'''	.	*	*	*	*	.	.	.	.	.	.	.	.	.	.	Bautsch. Lautenthal.
Römeri, Von Möller.	L''	.	.	*	.	*	.	.	.	.	.	.	.	*	.	.	Famignoul.
semiminifera, Phill.	L'', L'''	.	.	*	*	*	.	.	.	.	.	.	.	*	.	.	St. Doolagh, Dalry, Ashford, Tournai.
truncate, "	L', L''	.	*	*	*	*	.	.	.	.	.	.	.	*	*	.	<i>Fusulina</i> limestone.
		.	*	*	*	*	.	.	.	.	.	.	.	*	*	.	Ashford. Bolland. Celle Veve.
		.	*	*	*	*	.	.	.	.	.	.	.	*	*	.	Hook Head. Florence Court. Ster-
		.	*	*	*	*	.	.	.	.	.	.	.	*	*	.	litamac. Famignoul.

SUBKINGDOM ANNULOSA. CLASS INSECTA.

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Archegogryllus , <i>Scudder</i> , 1868. <i>priscus</i> , Newberry.	LCM.									*							Tallmadge.
Archimulacris , <i>Scudder</i> , 1868. <i>Acadicus</i> , <i>Scudder</i> .	UCM.												*				East River (Pietou).
Architarbus , <i>Scudder</i> , 1868. <i>rotundatus</i> , <i>Scudder</i> .	LCM.							*									Allied to the Phalangida. Morris, Grundy Co.
Arthrolycosa , <i>D. Herzer</i> . A jointed <i>Lycosa</i> . <i>antiqua</i> , <i>D. Herzer</i> .	LCM.							*									Morristown, Grundy Co.
Blattina , <i>Germar</i> , 1842 <i>Bretonensis</i> , <i>R. Brown</i> .	A Cockroach. CM.													*			Sydney Coalfield.
<i>Heeri</i> , <i>Scudder</i> . <i>venusta</i> , <i>Lesq</i> .	LCM.	*															The " <i>Blattina madera</i> " †. Frog Bayou.
" ? Moore.	Lowest UCM.												*				Pittsburg.
Christotes , <i>Scudder</i> . <i>lapidea</i> , <i>Scudder</i> . <i>Miamia</i> .	LCM.							*									Morris, Grundy Co.
Eoscorpium , <i>Meek and Worthen</i> ; <i>Scudder</i> , 1868 ? <i>carbonarius</i> , <i>Scudder</i> .	LCM.							*									ARACHNIDA. Morris, Grundy Co.
Ephemerites , <i>Scudder</i> . NEUROPTERA. <i>affinis</i> , <i>Scudder</i> . <i>gigas</i> , " <i>simplex</i> , "	LCM. LCM. LCM.						*	*	*								Mazon Creek (Grundy Co.). " "
Haplophlebium , <i>Scudder</i> , 1867. <i>Barnesii</i> , <i>Scudder</i> .	Shale, MCM.												*				<i>Ephemerina</i> ? A Gaddy. Schooner Pond (Little Glace Bay).
Hemeristia , <i>Dana</i> , 1864. <i>occidentalis</i> , <i>Dana</i> .	LCM.							*									Grundy Co.
Mantis ?, <i>Linnaeus</i> , 1748. <i>spec. indet.</i> , <i>Scudder</i> .	LCM.						*										Grundy Co.
Mazonia , <i>Meek and Worthen</i> , 1868. ARACHNIDA. <i>Woodiana</i> , <i>M. & W.</i> .	LCM.						*										Mazon Creek (Grundy Co.).
Meganthentomum , <i>Scudder</i> , 1868. <i>pustulatum</i> , <i>Scudder</i> .	LCM.						*										NEUROPTERA (not adopted by Meek and Worthen). Morris (Grundy Co.).
Miamia , <i>Dana</i> . NEUROPTERA. <i>Bronsoni</i> , <i>Dana</i> . <i>Danae</i> , <i>Scudder</i> .	LCM. LCM. LCM.						*	*	*								Mazon Creek (Grundy Co.). " "

† As now living in Frog Bayou.

SUBKINGDOM ANNULOSA. CLASS INSECTA.

EUROPE, &c.												
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.
Acridites , <i>Germar</i> , 1842	TERMITID.E.											
carbonatus, Münst.	MCM.						*				*	
priscus, R. Andreas.											*	
spec. indet., Germar.	MCM.						*					
Aranea , <i>Linnæus</i> , 1735	ARANEIDA.											
spec. indet., Corda?	CM.										*	
Architarbus , <i>Scudder</i> , 1868.												
subovalis, H. Woodw.	CM.			*								
												Lancashire (4 feet, or bone-coal).
Blattina , <i>Germar</i> , 1842.	BLATTID.E. (Orthoptera).											
anaglyptica, Germar.	MCM.						*				*	
clathrata, "												Wettin.
didyma, "	CM.						*					See Supplementary list.
flabellata, "	MCM.						*				*	?
Fritchii, Heer.												Lebach. Wettin.
gracilis, Goldenb.	MCM.						*					See Supplement.
Helvetica, Heer.												Saarbruck.
Lebachensis, "	MCM.						*					See Supplement.
primæva, "	MCM.						*					Saarbruck.
Tischbeinii, Goldenberg.	MCM.						*					Slopes of Auerwald. Saarbruck.
Corydalis , <i>Mantell</i> , 1839-41?	EUROPTERA.											
Brongniarti, Mantell.	Ironstone nod.			*								
<i>Gryllacris</i> .	LCM.											Coalbrookdale (ironstone nodules).
Curculioides , <i>Buckland</i> , 1850.	COLEOPTERA.											
Anstici, Buckland.	LCM.			*								
Prestvici, "	LCM.			*								Coalbrookdale (ironstone nodules).
Cyclophthalmus , <i>Corda</i> , 1835.	SCORPIONIDA.											
senior, "	LCM.										*	
												Rakonitz, Chomle, &c.
Dictyoneura , <i>Jordan</i> , 1854.	NEUROPTERA.											
anthracophila, Jordan.	MCM.						*					Giesweiler Pit. Saarbruck.
Humboldtiana, Goldenb.	MCM.						*					Sulbach (Saarbruck).
libelluloides, "	MCM.						*					Auerswald.
Eophrynus , <i>H. Woodward</i> , 1876.	False Scorpion.											
Prestvicii, Buckland.	LCM.			*								Dudley. Coalbrookdale.
Eoscorpis , <i>H. Woodward</i> .												
anglicus, H. Woodw.	CM.			*								Sandwell Park. Skegby Collieries.
Gryllacris , <i>Heer and Burmeister</i> .	LOCUSTID.E.											
Charpentieri?, Heer.												The genus still lives in Sardinia.
												See Palæont. Dunker and Von Meyer, iv.
lithanthraca, Goldenb.	MCM.						*					Saarbruck.
spec. indet., H. Woodw.	LCM.			*								Coalbrookdale.
Lithomantis , <i>H. Woodward</i> , 1876.												
carbonarius, H. Woodw.				*								Not known.
Microlabis , <i>Corda</i> , 1839.	ARACHNIDA.											
Sternbergii, Corda.	LCM.										*	Chomle.
Omalia , <i>Beneden and Coeymans</i> , 1867.												
macroptera, Bened. & Coeym.	UCM.			*								Sars-Longchamps. Bassin de Mons.
Palaranea , <i>Fritsch</i> , 1870?												
borassifolia, Fritsch.	LCM.?					*					*	Radnitz. Rakonitz.
Phasmis? PHASMID.E.												
spec. indet., Kirkby.	UCM.			*								Sunderland. Claxheugh.
Protolycosa , <i>F. Römer</i> , 1866.	ARANID.E.											
anthracophila, F. Römer.	CM.						*					
Silesiaca, "	CM.						*					Myslowitz, 60 miles west of Breslau.
Scarabæus , <i>Linnæus</i> , 1735.	COLEOPTERA.											
spec. indet., Goldenberg?	MCM.					*						Saarbruck.

[illegible]

SUBKINGDOM ANNULOSA. CLASS MYRIOPODA.

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Anthracerpes , <i>Meek and Worthen</i> , 1865.																	
typus, M. & W. LCM. (base)								*									Morristown, Grundy Co.
Archihulus , <i>Scudder</i> , 1867. A large <i>Iulus</i> .																	
xylobioides, Scudder. MCM.								*						*			Joggins (Division 4?).
Euphoberia , <i>Meek and Worthen</i> , 1868.																	
armigera, M. & W. LCM.								*						*			Large centipede.
major, " LCM.								*						*			Morris, Grundy Co.
																	" "
Xylobius , <i>Dawson</i> , 1859. Related to <i>Iulus</i> .																	
armigerus, M. & W. LCM.														*			Morris, Grundy Co.
Dawsoni, Scudder. CM.														*			" "
fractus, " MCM.														*			Joggins (Division 4), in <i>Sigillaria</i> .
Sigillariae, Dawson. MCM.														*			" "
similis, Scudder. MCM.														*			" "

EUROPE, &c.																			
Genus, Species, and Author.			Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAL.	Locality.
Termes , <i>Linnaeus</i> , 1748.	TERMITES	D.E. CORRODENTI A.																	
affinis, Goldenb.	MCM.	.....						*	..	..	..	..	..	..	..	..	..	..	Saarbruck. Friedrichstahl.
Decheni, "	MCM.	.....						*	..	..	..	..	..	..	..	..	..	..	" Altenwald Pit.
formosus, "	MCM.	.....						*	..	..	..	..	..	..	..	..	..	..	" Auerswald, near Gersweiler.
Heeri, "	MCM.	.....						*	..	..	..	..	..	..	..	..	..	..	" Altenwald Pit.
Tinea , <i>Fabricius</i> , 1775.	LEPIDOPTERA.	TINEITES.																	
spec. indet., Fabr.	.....	.....																	
Troxites , <i>Goldenburg</i> , 1856.	COLEOPTERA	.....																	A Beetle.
Germari, Goldenb.	MCM.	.....						*	..	..	..	..	..	..	..	..	..	..	Saarbruck (railway-cutting).
Xyloryctes , <i>Fritsch</i> ?																			
planus, Fritsch?	.....	.....											*	..	..	..	..	..	Pilsen.
septarius, "	.....	.....											*	..	..	..	..	..	Lisek.

SUBKINGDOM ANNULOSA. CLASS MYRIOPODA.

APATEON.]

[CARBONIFEROUS.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAL.	Locality.
Apateon , <i>Girgens</i> , 1844? pedestris, <i>Saurus</i> ?		Girgens.	Brandschiefer															Bavarian Phalz.
Euphoberia , <i>Meek and Worthen</i> , 1868. anthrax, Brownii, ferox, <i>Eurypterus</i> ?		Salter.	LCM.		*													Coalbrookdale. [dersfield.
		H. Woodw.	UCM.		*													Kilmaurs. Woodhill Quarry. Hud-
		Salter.	LCM.?		*													Coalbrookdale. Tipton (Staffordshire).
Iulus , <i>Linnaeus</i> . constans, costulatus, pictus,		Fritsch.											*					Nyran.
		"											*					"
		"											*					Kounova.
Xylobius , <i>Dawson</i> , 1859. A Gall Sigillariae, Woodwardii,		yworm. Dawson. Scudder.	UCM. LCM.		*	*								*				Kilmaurs. Woodhill Quarry. Cooper's Bridge (Huddersfield).

DIVISION MOLLUSCOIDA. CLASS POLYZOA = BRYOZOA.

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Acanthocladia , <i>King</i> , 1849.																	
Americana, M. & H.	UL.	*															Fort Riley. Cottonwood Creek.
Archimediopora , <i>D'Orbigny</i> , 1850?																	
spec. indet., Shum. & Hayd.	L'''				*												St. Louis, environs &c.
Archimedes , <i>Lesueur</i> , 1842? ...																	Subgenus of <i>Fenestella</i> .
Meekana, Hall.	L''			*													Warsaw limestone.
Owenana, reversa, "	L''			*			*	*									Nauvoo. Crawfordsville.
Swallowana, Wortheni, "	L''			*			*	*									Howard Co. Warsaw limestone.
	L''			*			*	*									Chester. [saw limestone.
	L''			*			*	*									Dover's Hill. Spergen Hill. War-
Berenicia , <i>Lamouroux</i> , 1821																	= Diastopora .
spec. indet. ? Dawson.	L'													*			Windsor.
Callopora , <i>Hall</i> ?																	
punctata, Hall.	L''			*		*											
Ceriopora , <i>Goldfuss</i> , 1826.																	
spec. indet., Shumard.	Kinderh.			*													
Cladopora , <i>Hall</i> .																	
Conodictyum , <i>Münster</i> ; <i>Goldfuss</i> .																	
radiatum, M. & M.				*													
Cosciniium , <i>Keyserling</i> , 1846.																	
asteria, Prout.	L'						*	*									[limestone. Warsaw. Spergen Hill. Keokuk
elegans, "	L''						*										Hancock Co. Warsaw.
escharense, "	L''			*			*										Warsaw. Howard Co.
Keyserlingii, "	L''						*										"
Michelinia, "	L''						*										Hancock Co. Warsaw.
plumosum, "	L''						*										" Barrett's Station & Warsaw.
saganella, "	L''						*										Warsaw.
tuberculatum, "	L'						*										" Keokuk limestone.
Wortheni, "	L'						*										" "
Cyclopora , <i>Prout</i> , 1860.																	
discoidea, Prout.	L'						*										Hancock Co. Warsaw.
fungia, "	L'			*													St. Francisville.
polymorpha, "	L'''						*										Kaskaskia. Pope Co.
Eschara ?, <i>Lamarck</i> , 1861; <i>Prout</i>																	= Escharites , <i>Romer</i> .
concentrica, Prout.	UL.																Organ Mountains, North Mexico.
tuberculata, "	UL.																" "
Evactinopora , <i>Meek and Worthen</i> , 1865.																	
<i>Conodictyum</i> ?																	
grandis, M. & W.	L'			*													No locale given.
radiata, "				*													
Fenestella , <i>Lonsdale</i> , 1839.																	
Arctica, Salter.																	Albert Land.
Banyana, Prout.	L''			*													Barrett's Station.
delicata, Meek.	Kinderh.								*								Lodi.
elegantissima, Eichw.	UL.			*													Bellevue. Nebraska City.
hemitrypa, Prout.	L''			*													Barrett's Station. St. Louis Co.
(<i>Archimedes</i>) laxa, Hall.	L'''						*										Chester.
Lyelli, Dawson.	L''												*				Windsor. Stewiacke.
(<i>Archimedes</i>) Lyra, Hall.	L'''						*										Chester.
<i>Lyrapora</i> .																	
Meekiana, "	L''						*										Chester.
multiporata, var. Lodiensis, Kinderh.								*									Lodi.

DIVISION MOLLUSCOIDA. CLASS POLYZOA = BRYOZOA.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Actinostoma , <i>Young</i> , 1874.																	
fenestratum, <i>Young</i> .	L', L'''	*															Hairmyres. Gare. High Blantyre.
Archæopora , <i>Eichwald</i> , 1859.																	
exilis?, <i>Eichw.</i>	L', L''												*				Sloboda (in yellow clay). Gt. Toula.
nexilis, <i>De Kon.</i>	L', L'''	*															Robroyston. South Shiells. Gare.
regularis, <i>Eichw.</i>	L'												*				River Serena (Goroditz).
sociata, <i>Fischer.</i>	L''												*				Mjatschkovo (Saranisk).
Astræopora , 1844.																	
cyclostoma, <i>Phill.</i>	L'	*															Waterland. Lugton Water.
Berenicia , <i>Lamouroux</i> , 1821																	See Diastopora .
Carinella , <i>R. Etheridge, jun.</i> , 1875.																	
cellulifera, <i>R. Ether. jun.</i>	L', Shale	*															Calderwood limest. Beith. Orchard.
Cellepora , <i>Lamouroux</i> , 1789.																	
favosa, <i>Goldf.</i>	L'			*													Tournai.
Urii, <i>Flem.</i>	CL. ?	*															Rutherglen.
Ceriopora , <i>Goldfuss</i> , 1826.																	Thalamopora , <i>Römer</i> .
bigemmis, <i>Keyserling.</i>													*				River Witschegda (Petschora-land).
crescens, <i>Ludwig.</i>	UCM.												*				
distans, <i>M'Coy.</i>	CL.	*															Locale not named.
interporosa, <i>Phill.</i>	LLS., L', L'', L'''	*	*	*													Howth. Campsie. Carluke. Gare.
rhombifera, <i>"</i>	LLS., L'''	*	*	*													Loughshinny. Brockley. Bolland.
serialis, <i>Portl.</i>	L'	*															Malahide Shore.
similis, <i>Phill.</i>	LLS., L', L'''	*	*														Corrieburn. Gare.
verrucosa, <i>Goldf.</i>	L'	*															Florence Court. Enniskillen.
Coscinium , <i>Keyserling</i> , 1846.																	[land].
cyclops, <i>Keyserling.</i>	L'												*				Rivers Belaya, Indiga (Petschora-
stenops, <i>"</i>	L'												*				" " "
Diastopora , <i>Lamouroux</i> , 1821.																	
megastoma, <i>M'Coy.</i>	LLS., L', L'''	*	*														Hairmyres, Craigenglen, Gare, &c.
Discopora , <i>Lamarck</i> , 1816.																	
campanulata?, <i>CL.</i>		*															Glasgow.
Fenestella , <i>Miller and Lonsdale</i> , 1839.																	[Lonsdale.
antiqua, <i>Goldf.</i>	LLS., UCM.	*											*	*			= Retepora . Fenestrella ,
flabellata, <i>Eichw.</i>	L''												*	*			Currens. Gurteen. Riv. Don. Rivs. Be-
bilida, <i>R. Ether. jun.</i>	L', L'''	*											*	*			lavy and Kolva (Petschora).
bicellulata, <i>M'Coy.</i>	LLS.	*	*	*									*	*			Saraninsk.
carinata, <i>Russiensis</i> , D'Orb.													*	*			Burnhead (Kilbride). Gare?
crassa, <i>M'Coy.</i>	L'	*	*	*									*	*			Enagh. Tynan. High Blantyre.
densa, <i>Etheridge.</i>	LLS., &c.												*	*			Caherass (Limerick). Beith. Burnley.
Devonica, <i>Semenow & M.</i>													*	*			Malouka.
ejuncida, <i>M'Coy.</i>	L'?, L''	*	*	*									*	*			Cork. Doohelybeg. Chatburn. Waul-
elegantissima, <i>Eichw.</i>	L''												*	*			Saraninsk.
fastuosa, <i>Kon.</i>	L''			*									*	*			[sort. Waulsort.

NORTH AMERICA.

[illegible]

EUROPE, &c.																	
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	ITALY.	Locality.
flabellata, <i>antiqua</i> .	Phill.	LSS., L', L'', M.G.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kilgrogan. Beith. Bolland. Harro- [gate.
foraminosa,	Eichw.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Saraninsk.
formosa,	M'Coy.	LLS., L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Woodlands. Corrieburn. Derbysh.
var.	"	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Wilton Ironstone Pits.
frutex,	"	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Dungannon. Corrieburn (calc-slate).
Goldfussiana,	De Kon.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Famignoul.
hemispharica,	M'Coy.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cork. Roughwood (Beith).
infundibuliformis,	Goldf.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Govs. Toula, Novgorod, Tamboff, &c.
irregularis,	Phill.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Florence Court. Carlake. Staffordsh.
junciva,	M'Coy.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Famignoul.
membranacea,	"	L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kildare. Longnor. Waulsort. Visé.
Michelini,	D'Orb.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Tournai.
Morrisii,	M'Coy.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cork. Hope (Haddingsh.). Clitheroe.
multiportata,	"	L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	" Killimeal. Robroyst. Waulsort.
nodulosa,	Phill.	L', L'', L'', M.Grit	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Howth. Corrieburn. Harrogate, &c.
oculata,	M'Coy.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ballinacourty. Campbell. Waulsort.
orientalis,	Eichw.	L' or L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Sterlitamak (West Ural).
patula,	M'Coy.	L'?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Gilmerton.
plebeia,	"	LLS., L', L'', L''' U.C.M.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cork. Arbigland. Clermont-Ferrand. Celle-veve. Lithvinsk (Gov. Perm).
prisca,	Goldf.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hook Point.
reticulata,	Eichw.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	River Don (limestone and clay slate).
quadricephala,	"	L'''?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Clitheroe (Lancashire).
ripistaria,	Goldf.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Celle-veve. Waulsort.
sarculosa,	Eichw.	L' or L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Sterlitamak (West Ural).
tenuifila,	Phill.	L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Florence Court. Gare. Kilmaurs. Moscow.
tuberculoearinata,	Ether.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	High Blantyre.
undulocarinata,	Ether., jun.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Broadstone. Beith, &c. [nai.
undulata,	Phill.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Malahide. Bruckless. Bolland. Tour-
varicosa,	M'Coy.	LLS., L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Woodlands. Saraninsk (Ural).
virgosa,	Eichw.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Saraninsk.
spec. indet.,	Tietze.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Lower Silesia.
Glaucanome , Lonsdale, 1839; <i>Münster</i>																	
Americana,	?		*	*	*	*	*	*	*	*	*	*	*	*	*	*	
aspira, Dr. Young & J. Young.	L'		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hairmyres.
bipinnata,	Phill.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	St. Doolagh. Craigenglen. Staffordsh.
clavata,	Eichw.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
elegans,	Y. & Y.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hairmyres.
gracilis,	M'Coy.	LLS., L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Dungannon. Craigenglen. Longnor.
flexicarinata,	Y. & Y.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	High Blantyre. Gillfoot.
grandis,	M'Coy.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Clare. Delora (county Limerick).
laxa,	Y. & Y.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Beith.
marginalis,	"	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hairmyres.
pluma,	Phill.	LLS., L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hairmyres. Gillfoot.
puleherrima,	M'Coy.	LLS., L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Florence Court. Hairmyres. Bol-
retroflexa,	Y. & Y.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	land.
stellipora,	"	L' or L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Loughshinny. Sorn. Longnor. Dur-
var. spinosa,	"		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Beith. Hairmyres. [ham.
tenuis,	Eichw.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Robroyston.
Gorgonia, Lamarck, 1861; Lamarck			*	*	*	*	*	*	*	*	*	*	*	*	*	*	River Don. Lissitschanskaya. Balka.
dubia,	Schloth.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	(Bad genus).
Goldfussiana,	Kon.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé.
Lonsdaliana,	M'Coy.	L'?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	"
retiformis,	Schloth.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Auchinskeoch.
zigzag,	M'Coy.	LLS., L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Feluy. Tournai.
Hemitrypa , Phillips, 1844.																	
Hibernica,	M'Coy.	L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Granard.
Hydnophora, Fischer, 1807.			*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cork. Highfield. Dovedale. Celle- = Monticularia . [veve.
Sternbergii,	Fischer.	MCM.?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Moscow (in ferruginous CM.).
Hypasmodora , R. Etheridge, <i>Journal</i> , 1875.																	
Buskii,	Ether.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	East Kilbride. Wilsontown, &c.
Ichthyorachis , M'Coy, 1844.																	
Newenhami,	M'Coy.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Clare. Malahide shore.
Millepora , Phillips; Lamarck																	
= Pustulipora , Blainville, 1827.																	

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Lithophaga , <i>Worthen</i> . <i>pertenuis</i> , Lyropora . species, several,	Worthen. L''', St. Louis L'st. L'''							*									Hancock Co. Chester.
Polypora , <i>M'Coy</i> , 1844. <i>biarmica</i> , <i>gracilis</i> , <i>Halliana</i> , <i>imbricata</i> , <i>marginata</i> , <i>papillata</i> , <i>submarginata</i> , <i>tuberculata</i> , <i>Varsoviensis</i> ,	Keyserling. L''' D'Orb. L'' Prout. L'', CL " UL " UL Meek. UL Prout. L''' " L''			*			*	*	*								Kaskaskia (M. & W.). Randolph Co. Warsaw. Howard Co. Warsaw. No locale given. River Platte's Mouth. " Chester. Howard Co. Warsaw.
Ptylodictya , <i>Lonsdale</i> , 1839 ... <i>carbonaria</i> , <i>dictyota</i> , <i>Gilberti</i> , <i>sereata</i> , <i>spec. indet.</i> , Ptylopora , <i>M'Coy</i> , 1844. <i>Prouti</i> ,	Meek. Kinderh. " L'' Newb. ... Meek. LCM. Hall. L'' Hall. L''							*	*	*	*	*	*	*	*	*	= Stictopora , <i>Hall</i> . Newark. Mystic Lake (Montana Territory). Marblehead. Sylvania. Lucas Co. Flint Ridge. Warsaw. ?
Retepora , <i>Lamarck</i> , 1816. <i>fastuosa</i> ?, <i>prisca</i> ,	L'? ...					*											Rockingham.
Septopora , <i>Prout</i> , 1860. Semicoscium , <i>Prout</i> , 1860. <i>Keyserlingii</i> ,	Prout. L'			*													Keokuk limestone. Nauvoo, &c.
Synocladia , <i>King</i> , 1849 <i>biserialis</i> , <i>Cestriensis</i> ,	Swall. LCM. Prout. L'''		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Septopora , <i>Prout</i> . Retepora . Fort Riley. Roanoke. Newark, &c. Chester.
Trematopora ?, <i>Hall</i> , 1852. ? <i>fragilis</i> , ? <i>vesiculosa</i> ,	Winchell. L' " L'			*		*		*		*							(Fine sand).

EUROPE, &c.																			
Genus, Species, and Author.			Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHÉNAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Myriolithes , <i>Eichwald</i> , 1859.																			
interporosus,	Phill.	L"	.....													*			Valtowa, near Oust-Yojouga.
<i>Ceripora</i> .																			
monticula,	Fischer.	L"	.....													*			Saraninsk (River Ufa).
nodosus,	Eichw.	L"	.....													*			Mjatschkovo (Moscow).
Orbiculites , <i>McCoy</i> , 1844.																			
antiquus,		LLS.	.....	*															Rahoran (Five-mile Town).
Palæocoryne , <i>Duncan and Jenkinson</i> , 1870																			Class HYDROZOA.
																			Order TUBULARIDÆ.
																			Family PALÆOCORYNIDÆ.
radiatum,	Dunc. & Jenk.	Shale, LCM.	.....	*															Ayrshire.
Scoticum,	"	L'" ?	.....	*															Robroyston. Ayrshire. Lanarkshire.
Polypora , <i>McCoy</i> , 1844.																			
biarmica,	Keyserl.	CL., Magnesian	.....													*			River Pinega (Oust-Yojouga).
bifurcata,	Fischer.	L'	.....													*			River Belaya (Petschora-land).
concatenata,	Eichw.	L'"	.....													*	*		Saraninsk.
crenistria,	Goldf.	L'"	.....													*			Kasatschy-Datschi.
cyclopora,	Eichw.	L'"	.....													*	*		Saraninsk, &c.
dendroides,	McCoy.	LLS., L', L'" ..	* * *																Townparks. Gare. Derbyshire.
fastuosa,	De Kon.	L'	.....	*			*												Wexford. Fannignoul.
Goldfussiana,	"	L'"	.....			*													Visé.
inaequalis,	Eichw.	L'"	.....													*			Mjatschkovo.
intertexta'	Portl.	LLS.	.....	*		*													Benburb.
laxa,	Phill.	LLS., L', L'" ..	* * *			*													Kildare. Whitwell.
macropora,	Eichw.	L'"	.....													*			Saraninsk.
marginata,	McCoy.	L'"	.....	*															Killymeal.
nodosa,	Eichw.	L'"	.....													*			Saraninsk.
orbicibrata,	Keyserl.	L'	.....													*			Riv. Belaya (Riv. Indiga, Petschora-land).
papillata,	McCoy.	L', L'"	.....	*	*														Killymeal. Carluke.
polyporata,	Phill.	.....	*		*														Florence Court. Dovedale.
porosa,	Eichw.	L'"	.....													*			Saraninsk.
tuberculata,	Prout.	.....	.....			*													Beith (coral-band of shale).
verrucosa,	McCoy.	L'"	.....	*	*	*													Black Lion. Astagob. Broadstone, &c.
Ptylodictya , <i>Lonsdale</i> , 1839																			= Stictopora.
acuta,	McCoy.	L'	.....	*															
costellata,	"	L'	.....	*															
Ptylopora , <i>McCoy</i> , 1844.																			
flustriformis,	Phill.	LLS., L', L'" ..	* * *			*													Malahide. Derbyshire. Bolland.
nodulosa,	"	L'"	.....			*													Bolland.
pluma,	McCoy.	L'	.....	*	*											*			Dunsink. Lower Petschora.
undulata,	Phill.	L'"	.....			*													Bolland.
Pustulipora , <i>Blainville</i> , 1827																			TUBULIFORIDÆ.
oculata,	Phill.	L', L'"	.....	*		*													Florence Court. Whitwell.
spicularis,	"	LLS., CL.	.....	*		*													Whitwell.
<i>Millepora</i> .																			
Retepora , <i>Lamarck</i> , 1816.																			
elongata,	Fleming	LCM. ?	.....	*															Rutherglen.
undata,	McCoy.	LLS., Mills. Grit?	* ..	*		*													Ballintra. Blue Butts (Burnley).
Rhabdomeson , <i>Dr. Young and J. Young</i> , 1827																			Formerly a CERIOPORA.
gracile,	Dr. Y. & J. Y.	L'	.....	*															Hairmyres. Trearne.
rhombiferum,	Phill.	L' or L'"	.....	*															Capelrig. Hairmyres.
Siphonaria , <i>Sowerby</i> .																			
Koninekii,	McCoy.	L'	.....			*													Celle-veve.
Sulcoretepora , <i>D'Orbigny</i> , 1847.																			
parallela,	Phill.	L', L'"	.....	*	*														Gare, &c. &c. Whitwell (Yorksh.).
raricosta,	McCoy & Bailly.	L'	.....	*	*														Dungannon. Astagob. Corricburn.
Robinsoni,	Y. & Y.	.....	*		*														Trearne.
subtilis,	McCoy.	.....	*																No locale given.
Styldium , <i>Eichwald</i> , 1859.																			
spongiosum,	Eichwald.	L"	.....													*			Medinsk (Kalouga).
Synocladia , <i>King</i> , 1849																			RETEPORIDÆ.
carbonaria,	Ether., jun.	.....	*			*													High Blantyre. Gillfoot.
biserialis,	"	L', L'"	.....	*															Wilton ironstone. Carluke.
var. carbonaria,	"	L', L'"	.....	*															" " "
Thamniscus , <i>King</i> .																			
Rankini,	Y. & Y.	L'"	.....	*															Gillfoot. Gare.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Vincularia , <i>De France</i> , 1829														*			Glaucanome. [Sloboda.
approxinata, Eichw. L', L'''		*	*											*			Howth. Crosshouse Farm. Craigburn.
Binniei, Etheridge, jun. L'		*	*														Carlops (Mousewater). Wilsontown.
dichotoma, M'Coy. L', L'''		*	*														Kildare. Black Lion Mount ^s . Corrie- [burn.
<i>Ceripora</i> .																	
lemniscata, Ludw. L'														*			Lithwinsk (with <i>Fusulina</i>).
megastoma, M'Coy. L', L'''		*	*														Kildare. Killymeal. Howth.
multangularis, Portl. L' ?		*															Dungannon. Drummglass.
muricata, Eichw. L'														*			Sloboda (Govt. Toula).
ornata, " L'														*			" "
rariopora, " L'														*			" "
rhombifera, Phill. L'			*														Fulwood Old Quarry. Carluke.
<i>Millepora</i> .																	
tenella, Eichw. L'														*			Sloboda (Govt. Toula).

DIVISION MOLLUSCOIDA. CLASS BRACHIOPODA (PALLIOBRANCHIATA).

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Anomianella , <i>De Ryckholt</i> , 1848?	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	An Brachiopoda?
Proteus,	L' .....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tournai.
Athyris , <i>M'Coy</i> , 1844.																	Fam. SPIRIFERIDÆ.
ambigua,	Sow. LLS., L', L'', L''' .....	*	*	*	*	*	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Dunsink. Gare. Bolland. Visé, &c.
	M. Grit. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Carringtoniana,	Davids. ....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Derbyshire. Wetton (Staffordsh.).
Daleidensis,	F. Röm. ....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Malmedy.
expansa,	Phill.	LLS., L', L'', L''' .....	*	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Kendal. Longnor. Bolland.
globularis,	"	LLS., L', L''' .....	*	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dalry. Settle. Bolland.
lamellosa,	L'Eveillé.	LLS., L', L''' .....	*	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Doohylebeg. Kendal. Tournai, &c.
paradoxa?	M'Coy.	L' .....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lowick. Kendal.
pectinatus,	Semenow & Möller.	LLS. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Malouka.
pisum,	Davids.	L' .....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Brockley shale. [&c.
planosulcata,	Phill.	LLS., L', L'', L''' .....	*	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Knocksoon. Bathgate. Dnrham. Visé,
Puschiana,	Verneuil.	L' or LLS. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	Malouka (Trautsch).
Roissyi,	L'Eveillé.	LLS., L', L''' .....	*	*	*	*	.....	.....	.....	.....	.....	.....	*	*	.....	.....	Adare. Arden. Bolland. Visé. Ma-
seminalis,	Baily.	LLS., CL. ....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[louka.
squamigera,	De Kon.	LLS. ....	.....	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Clonca. Derbyshire. Tournai.
subtilita,	Hall.	L', L'' .....	.....	.....	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Parkhill. Astonfield. Tournai.
trilobata,	M'Coy.	LLS., CL. ....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Wahlenbergi,	Goldf. ....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Malmedy.
variabilis,	Müller. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Sartlonovaya. River Ousvava.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Roissyii, var. megistos, L'Eveillé.	.....	..	..	..	..	*	..	..	..	*	..	..	..	..	..	..	Western States, extensively.
spiriferoides, M'Chesn.	UCM.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	St. Mary's. Kaskaskia.
sublammellosa, Hall.	L"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Newtonville. Warren. Kaskaskia, &c.
subquadrata, "	L', L", MCM.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Bellevue. Omaha. Mouth of River.
subtrigonalis, Kinder.	L', UCM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	[Platte. Stewiacke.
var. grandis, Davids.	.....	*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
triunelea, Hall.	L"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
ultravarica, M'Chesn.	L'	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	St. Genevieve. Keokuk.
Atrypa, Dalman, 1827.																	
acuminata, Dalman.	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
lingulata, Swall.	.....	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	?
Aulosteges, Helmersen, 1847.																	
spondyliiformis, C. A. White.	.....	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Appanoose.
Camarophoria, King, 1844																	Rhynchonella.
caput-testudinis, White.	L'	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Burlington.
? globulina, Phill.	L"	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Rio Pecos, &c. DeBert Riv. (Perm?)
subtrigonalis, M. & W.	L"	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Howard Co. Nauvoo, &c.
Centronella, Billings, 1859.																	
Alle, Winchell.	Kinderh.	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Burlington. Hamburg. Tallmadge.
Anna, Hart.	L'	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Windsor (Devonian?)
Flora, Winch.	Kinderh.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sciotoville (bed 4).
Julia, "	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Orange Centre, &c. Point aux Barques.
Chonetes, Fischer, 1837.																	
armata, Bouchard.	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Devil's Back-bone.
Fiseheri, N. & Pr.	Kinderh.	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Burlington. Hickman. Maury Creek.
Flemingii, "	UCM. ? (Perm.) ..	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Council Grove. Bellevue. Sedalia.
geniculata, C. A. White.	L'	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Richmond Creek.
glabra, M. & W.	UL	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Clarkesville. Burlington. Hamburg.
granulifera, D. D. Owen.	LCM., U.	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Nebraska City, &c.
Illinoisensis, Worthen.	Kinderh., L' ..	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Keg Creek. Belleville.
Koninckiana, N. & Pr.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Burlington. Rockville. Licking, &c.
Littonia, "	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Jonesboro'.
Maelurea, "	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Devil's Back-bone.
Martini, "	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	"
Michiganensis, Stevens.	L'	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Battle Creek.
milleporacea, L" .....	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
? millepunctata, M. & W.	UCM.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Warrior Co.
mueronata, M. & H.	UCM.	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Fort Riley. Cottonwood Creek.
multicostata, Winch.	Kinderh., L' ..	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Burlington. Hickman. Maury Ck.
nana, Verneuil.	L'	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	" Ohio Falls. Hickman Co.
ornata, Shum.	Kinderh.	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Vandevres Falls. Chouteaux Springs.
parva, L' .....	.....	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Boone Co.
planumbona, M. & W.	L'	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Monro Co. Keokuk.
pulchella, Winch.	Kinderh., M.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Hillsdale Co. Newark. Oil Creek.
sarcinulata, Schloth.	CM.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Devil's Back-bone.
semiovalis, UCM. ....	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Mouth of River Platte.
Shumardiana, De Kon.	Kinderh., L' ..	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Brownsville. Howard. Buttonmold.
Smithii, N. & Pr.	MCM.	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Lexington. Belleville.
Tuomyi, "	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Devil's Back-bone. [Co.
variolata, De Kon.	L"	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Guernsey Co. Springville. Lawrence
Verneuiliana, N. & P.	LCM., M., U.	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Manhattan. Charbonière. Kurz's Bank (Gibson Co.).
Crania, Retzius, 1781.																	
famelica, Hall.	Kinderh.	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Rockford. Hackberry.
modesta, White & St. John.	UCM.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Fremont Co.
spec. indet., Dawson.	L'	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Windsor.
Cyrtia, Dalman, 1827																	Subgenus of <i>Spirifer</i> .
acutirostris, Shum.	Kinderh.	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	
curvilineata, C. A. White.	L' ?	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	No locality given.

EUROPE, &c.

Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIA PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAL.	Locality.
Atrypa , <i>Dalman</i> , 1827																	Spirigerina , <i>D'Orbigny</i> .
<i>acuminata</i> , var. <i>obsoleta</i> , Portl.		*															Petschora-land. River Ylytch.
<i>dorsata</i> , Hising. L'		*												*			Tyrone.
<i>gibbera</i> , Portl.		*												*			Kasatschi-datschi (south flank).
<i>rhomboidea</i> , L'''														*			Subg. of <i>Leptæna</i> (see Suppl. no. 2).
Aulosteges , <i>Helmersen</i> , 1847.....																	Subg. of <i>Spirifera</i> .
Brachythyris , <i>M'Coy</i> , 1844.....																	CALCEOLIDÆ.
Calceola , <i>Lamarck</i> , 1809																	Visé (north of and near Liège).
<i>Dumontiana</i> ?, De Kon. L'''					*												Rhynchonella .
Camarophoria , <i>King</i> , 1844																	Auchenskeoch. Bathgate. Dovedale.
<i>crumena</i> , Martin. L', L'', L'''		*	*	*													Clitheroe. Bolland. Visé.
<i>globulina</i> , Phill. L', L'', L'''		*	*	*										*			Sterlitamak. South Ural, &c. &c.
<i>isorhyncha</i> , M'Coy. CL.		*	*	*										*			Cook's town (Tyrone). ShapTollbar.
<i>laticliva</i> , " L'		*	*	*										*			Lowick.
<i>plicata</i> , Kutorga. L'', L'''														*			Saraninsk. Sterlitamak.
<i>Schlothheimii</i> , Von Buch. L'														*			River Serena. Sterlitamak.
<i>sella</i> , Kutorga. L''														*			Sterlitamak. [son.
Chonetes , <i>Fischer</i> , 1837																	Cannot claim generic value.— <i>David</i> .
<i>Austeniana</i> , Davids.														*	?		[mont-Ferrand.
<i>Buchiana</i> , De Kon. LLS., L', L'', L'''		*	*	*	*												Millburn. Gare. Staffords. Visé. Cler.
<i>concentrica</i> , " L'''		*	*	*	*												Visé (N. of Liège). Clerm.-Ferrand.
<i>costata</i> , Eichw. L'														*			Borowitsche (Novgorod).
<i>cribrosa</i> , " L'														*			Sloboda (yellow clay).
<i>curvata</i> , "						*											
<i>Dalmaniana</i> , De Kon. L', L'''		*	*	*	*												Granard. Durham. Chokier. Visé, &c.
<i>elegans</i> , " L'					*												Comblain au Pont. Visé.
<i>gibberula</i> , M'Coy. LLS.		*	*	*													Lisnapaste (Ballintra). Derbysh.
<i>fornicata</i> ?, Davids. L'														*			River Ylytch.
<i>Hardrensis</i> , Phill. LLS., L', L'''		*	*	*	*				*								Ballymacrsadeen. Berwick. Gare.
<i>sordida</i> ; <i>volva</i> . LCM., M. Grit																	Derbyshire, &c.
var. <i>Thibetensis</i> , De Kon.						*	*	*									Aachen.
<i>Laguessiana</i> , " LLS., L', UCM.		*	*	*	*									*			Rahoran. Beith. Binchel. Charleroi,
<i>Hardrensis</i>																	[Kalouga, &c.
<i>longispina</i> , Ad. Röm. LLS.									*					*			Bromberges. Lautenthal.
<i>nana</i> , Verneuil. L'														*	*		Malouka.
<i>papilionacea</i> , Phill. LLS., L', L'', L'''		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kyletown. South Biggart. Bolland.
<i>perlata</i> , M'Coy. LLS., L'		*	*	*													Visé. Clermont-Ferrand. Ober-
<i>polita</i> , " L'		*	*	*													kunzendorf. Alexine.
<i>sarcinulata</i> , Kon. L'					*									*	*		Rahoran. Waulsort.
var. <i>carbonifera</i> , Keyserl. L'?														*	*		Sculliongour. Durham, &c.
<i>scutulum</i> , " L'?					*									*	*		Tournai. Podolsk.
<i>serrata</i> , M'Coy. CL.		*	*	*													Petschora. Rivers Vol and Soiva.
<i>sordida</i> , Sow. LLS., CL.		*	*	*	*												Derbyshire.
<i>Leptæna</i>																	Tenby (South Wales).
<i>sulcata</i> , M'Coy. L', L'''		*	*	*													Lowick. Visé. [Edge. Visé.
<i>tuberculata</i> , " L', L'''		*	*	*													St. Doolagh. Yoredale. Congleton
<i>variolaris</i> , Keyserl. CL.														*	*		(Petschora-land). Podtscher.
<i>variolata</i> , D'Orb. L'					*	*								*	*		Shropshire. Famignoul's. Malouka.
<i>volva</i> , M'Coy. LLS., L'		*	*	*													Millicent, &c.
<i>Leptæna</i>																	
Crania , <i>Retzius</i> , 1781.....																	Fam. CRANIADÆ = PSEUDOCRANIA.
<i>quadrata</i> , M'Coy. LLS., L', L'', L'''		*	*	*	*												Millburn (W. Scotl.). Gare. Staffords.
? <i>Ryckholdtiana</i> , De Kon. L'		*	*	*	*												Millicent. Robroyst. Castleton. Fa-
? <i>trigonalis</i> , M'Coy. LLS.		*	*	*	*												Lisnapaste (Ballintra). [mignoul.

§ Famignoul is a horizon of D'Omalus d'Halley; but its limits seem still undefined.

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Cyrtina , <i>Davidson</i> , 1858. spec. indet.,		Winch. L'				*		*										Hannibal. Ann Harbour.
Discina , <i>Lamarck</i> , 1819.																		
capax,	C. A. White.	Kinderh.									*							Girard, &c. Trumbull Co.
capuliformis,	M'Chesn.	L''? UCM.				*			*									Richmond. Springfield.
convexa,	Swall.	UCM.				*												Lexington. [Devonian.
Gallaheri,	Winch.	Kinderh.						*						*				Hillsdale. Shafers. Solsville (N. York.
Manhattanensis,	M. & W.	UL.				*												Manhattan (Kansas River).
Missouriensis,	Swall.	LCM., U.				*												Schuyler Co.
Newberryi,	Hall.	L', LCM.									*							Cuyahoga Falls. Akron. Farmington.
nitida,	Phill.	CM.							*									Badger's Mill.
patellaris,	Winch.	Kinderh.				*												Burlington?
pleuritis (obiculoidea),	Meek.	„									*							Newark.
Saffordi,	„	„										*						Hickman Co.
subtrigonalis,	M'Chesn.	UCM.							*									Lasalle Co.
tenuilineata,	M. & H.	UL.				*												Fort Riley. Cottonwood Creek.
spec. indet.,	C. A. White.	LLS.					*											
Hemipronites , <i>Pander</i> , 1830																		ORTHIS. STREPTORHYNCHUS.
Lasallensis,	W. & St. John.	UCM.							*									La Salle (Medina Co.).
succurra,	Hall.																	
Koninkiana , <i>Swallow</i> , 1860.																		
Americana,	Swall.	L'''				*												Barrett's Station. St. Louis Co.
Leptæna , <i>Dalman</i> , 1827																		STROPHOMENA.
rhomboidalis,	Sow.	Kinderh.				*	*			*				*				Chouteau Springs. Burlington.
Lingula , <i>Bruguière</i> , 1789.																		
carbonaria,	Shum.	MCM.				*												Clarke Co. (shale with plants).
Cuyahoga,	Hall.	Kinderh.						*		*		*						Hillsdale. Wetherfield.
Halli,	C. A. White.	L						*	*		*							Burlington.
Melie,	Hall?	Kinderh.							*		*							Turnbull Co. Chagrin Falls.
membranacea,	Winch.	„					*		*		*	*	*	*				Shafers. Hart's Grove.
mytiloides,	Sow.	CM.							*									
Scotica, var. Nebrascensis,	Meek.	UCM.				*												
umbonata,	D. D. Owen, Cox.	LCM.								*	*	*	*	*				Caseyville. Hawesville. Jack Co.
Martinia , <i>M'Coy</i> , 1844																		Subgenus of <i>Spirifera</i> .
? lineata,	C. A. White.	MCM.				*												
peculiaris,	Shum.	Kinderh.				*												
Meekella , <i>White and St. John</i> , 1867																		Fam. ORTHIDE.
striato-costata,	Cox.	MCM., U.				*	*	*	*	*								Weston, &c. Henry's Mill. Sullivan
spec. indet.,	„	UCM.				*	*	*	*	*								Sullivan Co. [Co.
Nucleospira , <i>Hall</i> , 1857.																		
Barrisi,	White.	L					*											Burlington.
Orbiculoidea , <i>D'Orbigny</i> , 1847																		Sect. A. of DISCINA.—Ferd. Römer.
new species,	Shum.	Kinderh.?				*												
Orthis , <i>Dalman</i> , 1827.																		
carbonaria,	Swall.	MCM., U.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Lexington. Henry Co. &c.
Clarkensis,	M'Chesn.	L', L'''		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cooper Co. St. Louis Co.
Cooperensis,	Swall.	L'		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Warsaw limestone. [Creek, &c.
cremistris,	Phill.	Kinderh., UL.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bennet's Mill. Nebraska City. Yellow
dubia,	Hall.	L', L'''		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Burlington. Warsaw. Bloomington.
flava,	Winch.	Kinderh.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Burlington.
hemiplicata,	CL.			*	*	*	*	*	*	*	*	*	*	*	*	*	*	Forest City. Nodaway Co.
inaequalis,	Hall.	Kinderh.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Burlington.
intervarica,	M'Chesn.	L		*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Kaskaskiensis,	„	L''		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kaskaskia. Chester.
Keokuki,	Hall.	L'		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Keokuk. Nauvoo.

EUROPE, &c.																			
Genus, Species, and Author.			Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Cyrtina , <i>Davidson</i> , 1858.																			Subgenus <i>Cyrtia</i> , pars.
carbonaria,	M'Coy.	L'			*	*													Famignoul (Belg. district, see Précis
dorsata,	"	L'		*															Cork. [d'Omalus d'Hallo
septosa,	Phill.	L', L', L'''			*	*													Settle. Park Hill. Longnor. Visé.
Discina , <i>Lamarck</i> , 1819.																			ORBICULA.
bullata,	M'Coy.	L'			*														Lowick (Northumberland).
concentrica,	De Kon.	L'''			*														Visé.
? Davreuxiana,	"	L'		*		*													Little Island (Cork). Tournai.
dilatata,	Eichw.	L'													*				Alexine. Kozell (River Serena).
Dumontiana,	Ryckholt.				*														Mélang. Paléoz. part ii. wanted.
gibbosa,	"	L'			*														Tournai.
<i>Orthis cuboides</i> .																			
globosa,	"				*														
<i>Helcyon</i> .																			
hieroglyphica,	"				*														(In clay). Tournai.
mesocæla,		CL			*														
nitida,	Phill.	LLS., L', L'', L'''	*	*	*	*	*			*									Benburb. Gare. Staffordsh. Tournai.
		LCM., U.																	Caroline Pit. Campbell town, &c.
obtusa,	Ryckholt.				*														Tournai (in clay).
psammophora,	"	L'			*														
tortuosa,	"	L'			*														" (in clay).
Hemitrypa .																			
Hibernica,	M'Coy.	L'		*															Highfield (Horwood).
Hypodema , <i>De Koninck</i> , 1852.																			
Dumontiana,	De Kon.	L', L'''			*	*													Longnor. Visé.
? trana,	Keyserl.	L'													*				(Petchora) River Ylytch.
Leptagonia , <i>M'Coy</i> , 1844																			STROPHOMENA. LEPTENA.
depressa,	D'Orb.	L'?		*	*	*	*												Yorkshire, &c. Verviers. Houf-
Lingula , <i>Bruguère</i> , 1789.																			falaise, &c. [Perm.]
? Credneri,	Geinitz.	CL., MCM			*														Ryhope. Winning. Sunderland (also
? latior,	M'Coy.	L'			*														Derbysh. main limestone (black).
mytiloides,	Sow.	M. Grit	*	*	*	*	*		*										Auchterwater. Wigan. Caroline Pit.
parallela,	Phill.	L'', LCM			*	*	*												Northumberland. Chokier. Huy.
Scotica,	David.	L', L'''	*	*	*	*	*												Boghead. Robroyston. Gare.
squamiformis,	Phill.	LLS., L', L'', L'''	*	*	*	*	*												Enuiskillen. Gare. Durham. Bolland.
		M.G., LCM, M																	Priorsfield.
Thomsonii,	David.	LLS., L'		*															Campbell town. Tirfergus Glen.
Toillieziana,	Ryckh.	UCM.			*														Mons.
Orbiculoidea , <i>D'Orbigny</i> , 1847																			DISCINA. ORBICULA. SCHIZOTRETA.
gibbosa,	Ryckh.				*														Tournai.
hieroglyphica,	"	L'''			*														"
tortuosa,	"				*														"
Orbicella , <i>D'Orbigny</i> , 1847.																			
psammophori,	Ryckh.	L'			*														Tournai.
Orbicula , <i>Cuvier</i> , 1798; <i>Sowerby</i> , 1818.																			
Dumontiana,	Ryckh.	L'''			*														Visé.
concentrica,	De Kon.	L'''			*					*									Lower Silesia (Dr. Tietze).
nitida,	Phill.	L'			*	*													Tournai. Coalbrookdale. Otterburn.
Ryckholdtiana,	De Kon.	L'			*														" (in upper clay).
truncata,	"	L'			*														" "
Orthis , <i>Dalman</i> , 1827.																			
antiquata,	Phill.	L'''			*														Bolland. [schora Riv.
arachnoidæa,	"	L', L''			*	*									*				Sablé. Celle-veve. Waulsort. Pet-
avicularis,	Eichw.	L'													*				Sloboda (Toula Gov.), yellow clay.
cylindrica,	M'Coy.			*															
Bechei,	"	L'			*														Famignoul.
filariæ,	Phill.	LLS., L', L''	*	*	*	*									*				Kildress. Benburb. Slieve-Gallion.
Keyserlingiana,	De Kon.	L', L'''			*	*									*				Settle. Staffordshire. Visé.
Koninckiana,	D'Orb.	L', L'''			*	*									*				Celle-veve. Visé (N. of Liège).
Lamarckii,	Fischer.	L''			*	*									*				River Indiga. Icy Sea.
latissima,	M'Coy.																		
Lyelliana,	De Kon.	L'''			*														Visé.

		NORTH AMERICA.										Locality.
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	
Michelini,	L'Eveillé.	Kinderh.				*	*			*	*	Henry Co. Grafton. Rockville. New-
var. Burlingtonensis,	Hall.	L, L'				*	*		*			ark. Buttonmold Knob.
Missouriensis,	Swallow.	Kinderh.				*						Hannibal. Burlington. Quincy.
Penelope,	Cox.	UCM.										Marion and Cooper Cos.
Pratteni,	M'Chesn.	UCM.				*			*			
pulchella,	Winch.	Kinderh.						*				Moscow Township.
resupinata,	Martin.	L'				*						
resupinoides,	Cox.	L'									*	Hawesville.
robusta,	Hall.	L'				*		*				Parkville. Liberty.
Swalovi,	"	L				*	*	*				Burlington. Marshall Group, &c.
subelliptici,	Wh. & Whitfield.	Kinderh.				*						Dresden. Georgetown (Miss.).
ultra varica,	M'Chesn.	L'				*	*					Keokuk.
† Vanuxemi,	Hall.	Kinderh., L' ..				*	*		*			Smith's Mill. Nodaway River. Sper-
Orthisina, D'Orbigny, 1847.												
crassa,	Meek & Hayd.	.....				*						Leavensworth city.
Missouriensis,	Swall.	UCM.		*	*	*						Red Water (Dallas). Leavensworth.
occidentalis,	"	UCM.			*	*						Caldwell Co.
Shumardiana,	"	UL.		*	*	*						Fort Riley. Blue River.
umbraculum,	Schloth.	UL.		*							*	" Cottonwood Creek.
Pentamerus, Sowerby, 1813.												
lenticularis,	Wh. & Whitf.	Yell. Sandst., L.				*						Burlington.
salinensis,	Swall.	Kinderh.				*						Moniteau Co.
Productus, Sowerby, 1814.												
alternatus,	N. & Pr.	CL.							*			Rocky Run (Hancock Co.).
Altonensis,	"	L', L'				*		*				Alton.
Americanus,	Swall.	UCM.			*	*						Harrison Co. (in limest.). Parkville.
arcuatus,	Hall.	Kinderh.				*			*			Burlington. Rockville.
auriculatus,	Swall.	.....			*	*						
biserialis,	Shum.	L', L'			*	*		*	*			St. Mary's. Alton. Bloomington.
Boliviensis,	D'Orb.	CM.			*	*						Richmond.
Boonensis,	Swall.	UCM.		*	*	*						La Platte's mouth. Dover's landing.
var. elevatus,	"	UCM. ?		*	*	*						" "
Buchianus,	De Kon.	UCM.				*		*				Big Creek (Posey Co.)
Calhounii,	Swall.	LCM., U., UL.		*	*	*						Fort Riley.
var. Kansansensis,	"	CL., LCM., U.		*	*	*						
carbonarius,	De Kon.	L'		*		*		*	*			Fountain Bluff. Kaskaskia.
cestriensis,	Worth.	L'				*		*				Randolph Co. (Chester).
clavus,	N. & Pr.	L', UCM.				*		*	*			Grayville. Yellow Creek.
concentricus,	Hall.	Kinderh.				*	*	*	*	*	*	Burlington. Grindstone Quarries.
concinus,		.....			*	*						Lake Huron. Sciotoville.
Cooperensis,	Swall.	L', UCM.		*	*	*						Atchison Co. [ton.
Cora,	D'Orb.	L', L', LCM.,		*	*	*	*	*	*	*	*	Bellvue. Platte's mouth. Burling-
tenistriatus,		M., U.		*	*	*	*	*	*	*	*	" Green Co., Richmond,
var. nova-scotica,	Hartt.	L'				*					*	Stewiacke, &c.
coraeformis,	Swall.	L'			*	*						Avon Bridge.
costatoides,	"	UCM.			*	*						Cooper Co. (St. Louis limestone).
costatus,	Sow.	UCM., UL.		*	*	*	*	*	*	*	*	Not stated.
var.,	"	Kinderh.			*	*	*	*	*	*	*	Fort Kearney, Bellevue, Caseyville,
crenulata,	Shum.	"			*	*	*	*	*	*	*	[Pike Co., &c.
curtirostrata,	Winch.	"			*	*						Chemung horizon?
depressus,	Swall.	L'			*	*						Burlington (yellow sandstone).
dolorosa,	Winch.	L', L'			*	*		*	*	*	*	Fenton.
duplicatus,	Shum.	Kinderh.			*	?						Weymouth (Medina Co.).
duplicostatus,	Winch.	"			*	*	*	*	*	*	*	
elegans,	N. & Pr.	L', L'		*	*	*	*	*	*	*	*	Battle Creek. Licking Co.
fasciculatus,	M'Chesn.	L'		*	*	*	*	*	*	*	*	St. Mary. Riv. Okaw. Sewanee.
Fentonensis,	Shum.	L', Keokuk L.			*	*		*	*	*	*	Kaskaskia. Fountain Bluff. Chester.
fimbriatus,	Sow.	L', UCM.			*	*	*	*	*	*	*	Fenton. [Levensworth.
Flemingii,	De Kon.	L', UL.		*	*	*	*	*	*	*	*	Alton. Big Creek (Posey Co.).
var. Burlingtonensis,	Hall.	L			*	*	*	*	*	*	*	Bellevue, River Platte's mouth, &c.
flexistria,	M'Coy, N. & Pr.	L'			*	*	*	*	*	*	*	Burlington.
giganteus,	Martin.	.....		*	*	*	*	*	*	*	*	Kaskaskia limestone.
gigantissimus,	"	.....		*	*	*	*	*	*	*	*	Fort Kearney. Nebraska.
gracilis,	Winch.	Kinderh.			*	*	*	*	*	*	*	Parkville, Union Mills, Ringgold
												and Platte Cos.
												Valley Forge. Sciotoville.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Michelini.	L'Eveillé.	LLS, L', L'', L''' &c	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kilgrogan. Gare. Alstonfield. Visé.
Nyellana?	Kon.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	[redki.
Olivieriana,	Verneuil.	LLS., L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Podtscher. Samura (Riv. Volga). Pe-
parva,	Keyserl.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Riv. Ylytch (Petschora-land).
pentamera,	Eichw.	L'' or L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Petrowskaya (Govt. Kharkoff).
quadricincta,	Phill.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé.
radialis,	"	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Florence Court. Cumberland.
resupinata,	Martin.	LSS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kilgrogan. Campbelltown. Bol-
	M. Grit.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	land. Visé. Malouka.
Sharpei,	Morris.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé. Riv. Ylytch. Petschora-land.
similis,	Phill.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	"
sthenorhyncha,	Eichw.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Sloboda (Govt. Toula).
striatula,	Kon.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Malmedy. Riv. Sjass. Malouka.
sulcata,	M'Coy.	LLS., CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	"
tunicata,	Davids.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Sloboda (Govt. Toula).
umbraculum,	Schloth.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bolland. Malmedy. Valdai Hills, &c.
Orthisina, D'Orbigny, 1847.																		
arachnoidea,	Phill.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Borowitschi (Moscow).
crenistris,	"	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	"
eximia,	Eichw.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kazymoff (River "Ounja). Kachira
																		(River Don).
Olivierana,	De Vern.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Borowitschi. Peredki (Govt. Ka-
planiuscula,	Semenow & Möller.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Malouka. [loug).
scythica,	Eichw.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	River Don. Alexine. Sterlitamak.
Orthotetes, Fischer, 1829. See Streptorhynchus.																		
Productus, Sowerby, 1814.																		
aculeatus,	Martin.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	St. Doolagh. Gare. Longnor. Cli-
																		theroe. Visé. Celle-veve. Cler-
																		mont-Ferrand. Malouka.
arcuarius,	De Kon.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Settle. Visé.
arenarius,	"	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Clitheroe. Visé.
auritus,	Phill.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bolland.
Buchianus,	De Kon.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé.
Cancrini,	"	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	" Prikscha (Novogorod).
carbonarius,	"	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Glasgow? Chokier. Pritscha (Val-
																		dai Hills).
Carringtonianus,	Davids.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Staffordshire.
Christiani,	De Kon.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Wales (locality unknown).
comoides,	Sow.	L'', LCM. ?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conishcad. Bolland. Visé. Vosges.
																		Kamenka (Novgorod).
concinus,	"	L', L'', M. Grit.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cork. Bolland. Richmond.
costatus,	"	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Lisnapaste. Campbelltown. Bolland.
																		Visé. Karova (Govt. Moscow).
? Deshayesianus,	De Kon.	L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	(Main post limestone) Settle. Visé.
elegans,	M'Coy.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Lisnapaste. Settle. Bolland. Waul-
ermineus,	De Kon.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Settle. Staffordsh. Visé. [sort.
expansus,	"	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé. Serebrjakowa. Riv. Don. Ster-
fallax,	Pander.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Malouka. [litamak.
fimbriatus,	Sow.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ardeonnaught. Bathgate. Longnor.
																		Visé. Yegoresk (Govt. Kaloug).
var. laciniatus,	M'Coy.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	South Howrat. Kilwinning, &c.
flexistria,	"	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kildare. Visé. Kasatschi-datschi.
geminus,	Kutorga.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Sterlitamak.
giganteus,	Martin.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Castleknoek. Campbelltown. Bol-
personatus.																		land. Visé. Vosges. Karova, &c.
granulosus,	Phill.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Killukin. Bolland. Visé. Serebrja-
																		kowa. River Don.
Griffithianus,	De Kon.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé.
gryphoides,	Sow.	L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	" Moscow, &c.
Heberti,	De Vern.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Asvenelles (Ardennes).
hemisphaericus,	Sow.	L', LLS., LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Linlithgow. Wharfedale. R. Ylytch.
Edelburgensis.																		Borowitschi. Sterlitamak.
Humboldti,	D'Orb.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Waulsort. Petschora-land.
humerosus,	Sow.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bredon (Leicestershire). Stafford-
																		shire. Bolland.
Keyslingianus,	De Kon.	L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Derbysh. Visé. Likvin. Kasatschi-
																		datschi.
Koninckianus,	De Vern.	L', L' ?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Staffordsh. Settle. Riv. Soiva (Pet-
																		schora).

[illegible]

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
latissimus,	Sow.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Killameal, Craigenglen, Otterburn, Kirkby-Lonsdale, &c.
Leuchtenbergensis,		L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé. Karowa (Kalouga).
var. paucicostatus,	Trautsch.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Govt. Moscow.
lineatus,	Phill.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Llangollenensis,	Dauids.	CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Campbelltown. Cliff near Llangollen (Wales).
longispinus,	Sow.	LLS., L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Arbigland. Visé. Caroline Pit. Rivers Kolva aud Petschora.
mammatus,	Keyserl.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Riv. Sarana. Petschora-land.
margaritaceus,	Phill.	LLS., L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cullamur. Florence Ct. Staffordsh. Visé. Clermout-Ferr. Altwasser.
marginalis,	Sow.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé.
medusa,	De Kon.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé. Vitegra. Sterlitamak.
mesolobus,	Phill.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kyletaun. Carluke. Bolland. Tour-nai. Kezelovsky.
var.,			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Mosquensis,	Fischer.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Corrieburn, Moscow, &c. [law.
Murchisoniauaus,	De Kon.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Gateside. Beith. Corrieburn. Hare-Leighlin, Old Leighli, Linnspout, Beith, Kirkby-Lonsdale, &c.
muricatus,	"	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Corrieburn.
var. muricatus,		L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Clermont-Ferrand. River Pinega (Archangel).
Nefedyevi,	De Vern.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Breedon (Leicestershire).
Cora.			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Settle. Waulsort. Visé.
numerosus,	Sow.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Nystianus,	De Kon.	L', L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
oblatus,			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
palliatu,			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Panderi,	Auerbach.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Malouka,
papillatus,	De Kon.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé (north of Liège).
plicatilis,	De Kon. & Sow.	L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Armagh. Woodlands. Castleton. Visé. Sablé (Sarthe).
porrectus,	Kutorga.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Sterlitamak.
probosceideus,	De Vern.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Settle (Yorkshire). Visé.
pulchellus,			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
punctatus,	Martin.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cork, Arbigland, Bolland, Visé, Riv. Vuichera, Kargopol, &c.
var. elegans,	M'Coy.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Millicent. Kildare. S. Shields. Visé.
pustulosus,	Phill.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Florence Ct. East Burn (Stewarton). Settle. Bollaund. Visé. Sablé (Sarthe).
riparius,	Trautsch.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Moscow Government.
scabriculus,	Martin.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cork. Gare. Hosie. Bristol. Visé. Moscow.
semireticulatus,	"	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Croagh, Arbigland, N'humberland, Flints, Visé, Avenelles, Clermont-Ferr., Kasatschi-datschi, &c.
var. concinnus,		CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Berwick-on-Tweed.
„ frigidus,	Salter.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	[&c.
sinuatus,	De Kon.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bowertrapping, Wetton, Famignoul, Campbelltown. Settle. Bolland.
spinulosus,	Sow.	LLS., L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Tournai. River Soiva.
striatus,	Fischer, De Kon.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ardagh. Settle. Bolland. Visé. River Soiva. [Sarana.
sublævis,	De Kon.	L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Longnor. Waulsort. Glageou. Riv. Mjatschkovo. Kasatschi-datschi.
tenuistriatus,	De Vern.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kildare. Settle. Visé. Tournai.
tessellatus,	De Kon.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Riv. Ylytch (Petschora-land), Karowa, Mjatschkovo, &c.
tubarius,	Sow.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Riv. Vilva. Goubakha.
tuberculatus,	Möll.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Castleknoock. Gare. Lancash. Visé.
undatus,	Defrance.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Karowa. Kosimof.
undiferus,	De Kon.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Settle. Visé. Tournai. Vosges.
undulatus,	M'Coy.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Vosges.
Verneuilianus,	De Kon.	L'?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Serebrjakowa (River Don).
Wrightii,	Dauids.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Middleton, near Cork. Staffordsh.
Youngianus,	"	L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Gare, Corrieburn, &c. Staffordsh. Llangollen.

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Verneuilianus,	De Kon.	L', LCM., U...	*						*		*			*				Danville. Pittsburg.
Villiersi,	D'Orb.	CL.			*													Keg Creek.
viminalis,	C. A. White.	L			*													Burlington.
vittatus,	Hall.	L' (lower part)			*	*		*										Keokuk.
Wilberanus,	M ^c Chesn.	CM.			*													Charbonnière.
Wortheni,	Hall.	L'			*			*										Keokuk.
spec. indet.,	Meek.	Kinderh.			*			*			*							
"	"	"			*						*							
Retzia , King, 1849.	Acambona , C. A. White, 1862.																	
altirostris,	King.	Kinderh.				*												Burlington (yellow sandstone).
costata,	Hall & Whitn.	L', L''			*			*	*									St. Mary's. Chester Co. Spergen Hill.
Marceyi,	"	L', L''			*			*	*									"
Mormonii,	Marcou.	UCM., UL	*	*	*	*	*	*	*									Honey Creek, Gallatin and Leavensworth Cos.
<i>compressa</i> , Meek.																		Benton (Cooper Co.).
Osagensis,	Swall.	Kinderh.			*													No locale given.
? Popeana,	"				*													Atchison Co. (Missouri), &c.
punctifera,	Shum.	UCM.	*	*	*			*										Mason, Fulton, Knox Cos.
radialis,	Phill.				*			*										Burlington.
sexplicata,	Wh. & Whitt.	L			*													Fulton and Knox Cos. &c.
subglobosa,	M ^c Chesn.	UCM.			*			*										Roanoke.
vera,	Worth.	L', LCM. ?			*			*										St. Mary's. Henry Co. Spergen Hill.
Verneuilana,	Hall.	L', L'', LCM.			*			*										Brookfield.
Rhynchonella , Fischer, 1809.	HEMITHYRIS .														*			Big Creek (Posey Co.).
Acadiensis,	Dauids.	L''																Nebraska city.
Algeri,	M ^c Chesu.	UCM.							*									Cooper Co.
angulata,	Linn.	UL			*													Grindstone Quarries (L. Huron).
aretirostrata,	Swall.	Kinderh.			*													Columbia and Boone Cos.
Barquensis,	Winch.	"			*			*										Point aux Barques (South L. Huron).
Boonensis,	Shum.	L'			*													Burlington.
camerifera,	Winch.	Kinderh.			*			*										Muddy River Bluffs.
caput-testudinis,	C. A. White.	L (base)			*													Lennox Passage.
carbonaria,	M ^c Chesn.	UCM.						*										Graysville. Big Creek.
Coopereusis,	Broadhead ?	Kinderh.			*													<i>Avicula-pecten</i> limestone (Windsor).
Dawsoniana,	Dauids.	L''												*				Kaskaskia. New Harmony.
Eatoniformis,	M ^c Chesn.	UCM.							*	*								Chouteau Springs (Moniteau Co.).
Evangelina,	Hartt.	L'												*				Alton.
explanata,	M ^c Chesn.	L'', UCM. ?						*	*									Burlington. Hamburg. Weymouth.
gregaria,	Shum.	Kinderh.			*			*										Marshall &c. Cuyahoga Falls. Tallmadge (Summit Co.).
Grosvenori,	"	L', L''						*	*		*							Windsor (Bed A).
? heteropsis,	Winch.	Kinderh.			*	*	*	*	*		*							Alton. St. Louis.
Hubbardi,	"	L', L''			*			*			*							Marshall Co. Battle Creek.
Ida,	Hartt.	L'												*				Cooper's and Johnson's Cos. Rockford. Burlington ?
Macra,	Hall.	L''						*			*							St. Louis. Alton. Sparta.
Marshallensis,	Winch.	Kinderh.						*										Chouteau Springs.
micropoleura,	"	"						*										Rockford.
Missouriensis,	Shum.	L'		*	*	*	*	*	*									Chouteau Springs.
mutata,	Hall.	L'', L'''			*			*			*							Burlington.
obsкуро-plicata,	Shum.	Kinderh.			*			*			*							Big Blue Valley. Atchison. Knox Co. Nodaway River.
obsolescens,	Hall.	"			*				*									Cooper Co.
occidentalis,	Shum.	"			*				*									Burlington.
opposita,	C. A. White.	L'			*			*			*							Chouteau Springs.
Osagensis,	Swall.	UCM.		*	*	*	*	*	*		*							Burlington.
per-rostellata,	"	L'''			*													Big Blue Valley. Atchison. Knox Co. Nodaway River.
persinuata,	Winch.	Kinderh.			*			*										Cooper Co.
ricinula,	Hall.	L'						*		*								Burlington.
ringens,	"	L (Encrin.)			*				*									Spergen Hill.
Sageriana.	Winch.	Kinderh.			*			*			*							Callaway Co.
subcuneata,	"	L'			*			*			*							Hickman and Maury Cos.
Uta,	MCM.				*			*										Barrett's Station.
Siphonotreta , De Vernuil, 1845.																		De Soto, on Bulger Creek.
Spirifera , Sowerby, 1820.	Reticularia , M ^c Coy.																	
acuticostata,	De Kon.	L'													*			Brookfield, Shubenacadec, &c.
amara,	Swall.	L'			*													Callaway Co.
Americana,	"	L'''			*													Kaskaskia.
attenuata,	De Vern.	CL. CM.							*	*								Micaceous sandstone.
bifurcata,	Hall.	L'							*									Spergen Hill. Warsaw.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Retzia , <i>King</i> , 1849, = Spirigera , <i>D'Orbigny</i> .																	
Buchiana,	De Kon. L'''					*											Clermont-Ferrand (Prof. Julien).
carbonaria,	Dauids. LLS., L'			*													
radialis,	Phill. LLS., L', L'', L'''	*	*	*	*									*	*		Malahide. Carlake. Bolland. Visé. Zanaick. Malouka.
serpentina,	De Kon. L'				*									*			Famignoul. Malouka.
ulotrix,	„ L', L'''			*	*												Wetton. Staffordsh. Waulsort.
Rhynchonella , <i>Fischer</i> , 1809.	HEMITHYRIS.																
acies,	Eichw. L'													*			Sloboda (Govt. Toula).
acuminata,	Martin. LLS., L', L'', L'''	*		*	*									*			Dublin. Park Hill. Tournai. Co-satschi-datschi.
var. mesagona,	L'''			*													Bolland (Yorkshire).
angulata,	D'Orb. L', L'''	*		*	*												Ardagh. Dublin. Derbysh. Visé.
antiquata,	Phill. L''			*	*												Bolland. Yoredale.
Caringtoniana,	Dauids. L'			*													Staffordshire. Wetton.
connivens,	Eichw. L', L''													*	*		Borowitschi. Kouschvinsk.
cordiformis,	Sow. L', L'''	*		*	*												Ardconnaught. Settle. Bolland. Famignoul.
Devreuxiana,	De Kon. L'				*												Famignoul. [mignoul.
flexistria,	Phill. L', L'''	*		*	*												Millicent. Rahoran. Bolland. Fa-
granulum,	Eichw. L'																Kouschvinsk.
gregaria,	M'Coy. LLS., CL.	*	*	*													Kilbride. Staffordshire.
labiata,	Eichw. L''													*			Kouschvinsk.
longa,	M'Coy. L''				*									*			Derbyshire. Kouschvinsk.
nana,	„ LLS.	*												*			Rahoran (calciferous slates).
papyracea,	Ad. Röm. Culm					*	*	*	*								Obergeheld? Erdbach.
pentatoma,	Fischer. L', L'''				*									*	*	*	Visé. Mjatschkovo.
pisum,	M'Coy. LLS.?	*		*										*	*	*	Yorkshire.
platyloba,	Sow. L''			*	*												Derbyshire. Famignoul.
pleurodon,	Phill. LLS., L', L'', L'''	*	*	*	*			*						*	*		Malahide. Corrieburn, Durham, Koiva River, &c.
proava,	M. Grit.																Bolland (Yorkshire).
pugnus,	Phill. L'''			*													Malahide, Balquarhage, Longnor, Visé, Cosatschi-datschi, &c.
	Martin. LLS., L', L'', L'''	*	*	*	*			*						*			Visé.
reflexa,	De Kon. L'''				*												Kouschvinsk.
remota,	Eichw. L''													*			Millicent. Settle. Bolland.
reniformis,	Sow. LLS., L', L'''	*		*													Locale not given.
semisulcata,	M'Coy. LLS., CL., LCM.	*															Famignoul.
simia,	De Kon. L'				*												Sloboda (in yellow clay).
Sphex,	Eichw. L'													*			Alstonfield. Waulsort. Visé.
trilatera,	De Kon. L', L'''			*	*												Kouschvinsk.
trochilus,	Eichw. L''													*			Alstonfield. Wetton. Staffordshire.
Wettonensis,	Dauids. CL.			*													
Siphonotreta , <i>De Verneuil</i> , 1845																	Fam. ORBICULIDÆ.
Spirifera , <i>Sowerby</i> , 1820. Trigonotreta , <i>König</i> .																	Brachythyris , <i>M'Coy</i> .
aculeata,	Schnur. LLS.													*			Malouka.
acuta,	Martin. LLS., L'			*													Bakewell (Derbyshire).
acuticostata,	De Kon. L'''			*													Visé.
acutiplicata,	Eichw. L''													*			Kouschvinsk.
Anosoffi,	Keyserl. L'													*			River Ouchta (Petschora-land).

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
biplicatus,	Hall?	Kinderh.					*		*	*	*							Burlington. Richfield.
bisulcatus,	Sow.	L"								*			*	*				Bonair, Chester, &c.
Boonensis,	Swall.	LCM.				*												Randolph, Monro, Boone Cos.
Burlingtonensis,		L'				*	*	*	*	*	*							Burlington.
camerata,	Hall.	UCM.		*	*	*	*	*	*	*	*		*	*				Manhattan, Bellevue, Ringgold Co., Iowa Pt., Knobstone, Pittsburg, &c.
<i>Moosakhailensis</i> , Davids.																		
var. <i>Kansasensis</i> ,	Davids.	UCM.		*														
" <i>percrassa</i> ,	"	LCM., U.		*		*												
capax,							*											
Carteri,	Davids.	Kinderh.									*							Licking Co. Rockville.
centronata,	Winch.	"									*							Akron. Cuyahoga Falls.
clara,	Swall.	L"				*												St. Genevieve.
clavatula,	McChesn.	L'				*	*											Burlington.
concinna,		UCM.				*												Atchison Co.
contracta,	M. & W.	L"						*		*	*							Newtonville.
(<i>Martinia</i> .)																		
Cooperensis,	Swall.	Kinderh.				*												Cooper Co. (Chouteau limestone).
cuspidata,	Sow.	L', Kinderh.		*		*		*	*	*			*					Crawfordville, &c.
cyrtinaformis,	Hall.	Kinderh.				*		*	*	*								Rockford and Hackberry.
extenuata,	"	"				*	*	*	*	*	*							Battle Creek. Newark.
Fischeriana,	De Kon.	L"						*	*	*								
Forbesii,	N. & Pr. & Hall.	L'						*	*	*								Burlington.
Fultonensis,	Worth.	CM.						*	*	*								
glabra,	Martin.	L', L"						*	*	*					*	*		East River. Pictou. Merigomish.
var. <i>contracta</i> ,	M. & W.	L"						*	*	*								Chester and Pope Cos.
Grimesii,	Hall.	Kinderh.				*	*	*	*	*								Burlington. Grafton. Jersey Co.
Hannibalensis,		"				*	*	*	*	*								Hannibal (Marion Co.).
Hanstrum,	D. D. Owen.	UCM.				*	*	*	*	*								Keg Creek. Fort Kearney.
hemiplicata,	Hall.	MCM., U.	*	*	*	*	*	*	*	*								Leavensworth Hills, Blue River, &c.
hirta,	Wh. & Whitf.	Kinderh.				*	*	*	*	*		*	*					Burlington, Hickman, Maury Cos.
imbrex,	Hall.	L'						*	*	*	*	*	*					
inaequicostata,		"				*	*	*	*	*		*	*					
incerta,	Hall.	L'				*	*	*	*	*		*	*					Burlington. Manchester (Coffee Co.).
incrassata,	"	L', L"				*	*	*	*	*		*	*					Co.). Coldwater (Lincoln Co.).
increbescens,	"	L"				*	*	*	*	*		*	*					Dover's Hill.
var. <i>Americana</i> ,	Swall.	L" at base				*	*	*	*	*		*	*					Kaskaskia, &c.
" <i>transversalis</i> ,	"	"				*	*	*	*	*		*	*					"
insolita,	Winch.	Kinderh., CL.						*	*	*								"
Kellogii,	Swall.	L', L"				*	*	*	*	*		*	*					Keokuk. Sewanee Railway.
Kentuckyensis,	Shum.	LCM., U.	*	*	*	*	*	*	*	*	*	*	*					Leavensworth. Springfield. Blue R.
var. <i>Chesterensis</i> ,	"	UCM.				*	*	*	*	*		*	*					Organ's Coal-mine (Henry Co.).
" <i>Merimakensis</i> ,	"	L'				*	*	*	*	*		*	*					
" <i>propatula</i> ,	Swall.	UCM.				*	*	*	*	*		*	*					Barrett's Station. Pacific Railway.
Keokuki,	Hall.	L', L', L"				*	*	*	*	*		*	*					Bonair. St. Louis. Cowan. Henry
var. <i>Shelbyensis</i> ,	Swall.	L' or L"				*	*	*	*	*		*	*					Shelby Co. [Co.
" <i>B</i> ,	Hall.	L'				*	*	*	*	*		*	*					Shelby Co. [Co.
laminosa,	McCoy.	UL.			*	*	*	*	*	*		*	*					Creascent city.
lateralis,	Hall.	L'				*	*	*	*	*		*	*					Nebraska city. Riv. Platte mouth.
latior,	Swall.	Kinderh.				*	*	*	*	*		*	*					
Leidy,	Newb. & Pratt.	L', L"				*	*	*	*	*		*	*					Chouteau.
var. <i>Chesterensis</i> ,	Shum.	L', L"				*	*	*	*	*		*	*					Barrett's Station. Pacific Railway.
levigata,	Swall.	L, L'				*	*	*	*	*		*	*					Howard Co. Mt. Vale Springs.
lineata,	Meek, Martin.	L', L", UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*			Cowan. St. Mary's.
lineatoides,	Swall.	L'				*	*	*	*	*		*	*					Keokuk limestone, &c.
var. <i>perplexa</i> ,	McChesn.	CM.				*	*	*	*	*		*	*					Rocky Mts. Yellow Crk. Bellevue.
" <i>striato-lineata</i> ,		MCM., U.				*	*	*	*	*		*	*					Montvale, &c. Sumner Co.
Littoni,	Swall.	L"				*	*	*	*	*		*	*					Locale not given.
Logani,	Hall.	L'				*	*	*	*	*		*	*					Widely dispersed.
Marionensis,	Shum.	Kinderh., L'				*	*	*	*	*	*	*	*					St. Louis Co.
Mecki,	Swall.	L'				*	*	*	*	*		*	*					Howard Co.
Meusebachana,	F. Röm.	UCM.		*								*	*					St. Mary's. Sedalia. Sciotoville
Missouriensis,	Swall.	Kinderh.				*	*	*	*	*		*	*					(bed 4).
Mosquensis,	Fischer.	UL.		*								*	*					Pettis and Saline Cos.
				*								*	*					Cooper Co. (Chouteau limestone).
				*								*	*					River Platte's mouth.

EUROPE, &c.

Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Archiaca,	De Kon.	L'.....				*	*											Soignies.
bisulcata,	Sow.	L', L'.....	*	*	*	*	*											Malahide, Howrat, Dovedale, Visé,
Braunii,			*	*	*	*	*										*	? [&c.
Bronniana,	De Kon.	L'.....				*	*											Visé.
Buchiana,	"	L'.....				*	*									*		[(Carluke).
Carlukeensis,	Davids.	L', L'.....	*	*	*	*	*											Malahide. Beith. Hosie. Hillhead.
cheiropteryx,	De Vern.	L'.....				*	*											Visé (Devonian also).
cincta,	Keyserl.	L'.....				*	*								*			Petschora-land Riv. Soplioussk Hill.
convoluta,	Phill.	L'.....	*	*	*	*	*								*			Courtclough. Bolland. Visé.
crassa,	De Kon.	LLS., L'.....	*	*	*	*	*								*	*		Kildare. Dalry. Lockridge. Visé.
																		Cresset. Cosatschi-datschi.
crispa,	"	L'.....				*	*											Visé.
cristata, var. 8vo-plicata,	Von B.	L', L'.....	*	*	*	*	*											Hook Pt. Gare. Staffordsh. Visé.
(Cyrtia) cuspidata,	Martin.	LLS., L', M. Grit	*	*	*	*	*								*			Malahide. Castleton. Tournai.
																		Yessakly? (Govt. Perm).
decemcostata,	M'Coy.	LLS.	*	*	*	*	*											Millicent.
distans,	Phill.	LLS., L', L', L'.....	*	*	*	*	*											Dublin. Millicent. Bolland. Corenne.
duplicicosta,	"	L', L', L'.....	*	*	*	*	*								*			Woodlands. Bathgate. Lowick. Bol-
furcata,																		land. Visé. Saraninsk.
elliptica,	Phill.	LLS., L'.....	*	*	*	*	*											Queen's Co. Kilmarnock. Bolland.
elongata,	Hall.	L'.....				*	*											Bolland. [Derbysh.
excentrica,	Eichw.	L'.....				*	*								*			Tschmepitz.
fasciger,	Keyserl.	L'.....				*	*								*			(Petschora-land) River Soiva.
Fischeriana,	De Kon.	L'.....				*	*											Visé.
fusiformis,	Phill.	L', L'.....				*	*											Bolland. Pauguys. Waulsort.
glaberrima,	De Kon.	L'.....				*	*											Stanhope (Durham). Famignoul.
glabra,	Martin.	LLS., L', L', L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Dunsink, Charlestown, Visé, Cresset,
																		Malouka, &c.
var. decora,	Phill.	L'.....				*	*											Bolland.
" linguifera,	"	L', L'.....				*	*											Arran. Lugton. Staffordshire.
Goldfussiana,	De Kon.	L'.....				*	*											Tournai.
grandicostata,	M'Coy.	L', L', L'.....	*	*	*	*	*											Ardagh. Parkhills. Bolland.
heteroclyta,	Von Buch.	L', L'.....				*	*								*			Tournai. [Dale.
humerosa,	Phill.	L', L'.....				*	*											Woodhead. Greenhow Hill. Wensley
hysterica,	De Kon.	L', L'.....	*	*	*	*	*											Feluy. Pont. Tournai. Visé.
inflata,	Schnur.	L'.....				*	*								*			Malouka (Trautscholdt).
integricosta,	Phill.	L'....., LCM. ?				*	*											Bolland. Northumberland.
Lamarckii,	Fischer.	L'.....				*	*								*			Moscow Government.
laminosa,	"	L'.....				*	*											Hook.
lata,	M'Coy.	.....				*	*											Lewin's Brook. New South Wales.
lineata,	Martin.	LLS., L', L', L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Rowerbeg (Cork). Gare. Crooklands.
																		Waulsort. Ratingen. Sloboda.
var. reticulata,	Phill.	L', L'.....				*	*											Ath. Visé.
lyra,	Kutorga.	L'.....				*	*								*	*		Riv. Petschora. Sterlitamak.
macrogaster,	Ad. Röm.	LLS.				*	*					*						Lautenthal.
mesogonia,	M'Coy.	L', LCM. ?	*	*	*	*	*								*	*		Millicent. Chokier. Lens (N. France).
Mosquensis,	Fischer.	LLS., L', L'.....	*	*	*	*	*								*	*	*	Beabus. Stanhope. Celle-veve. Ha-
															*	*	*	youl. Indiga R. Malouka. Moscow.
var. genuina,	"	L'.....				*	*								*	*		Moscow Government.
" Kleinii,	"	L'.....				*	*								*	*		Sloboda (Toula Govt.).
muralis,	Keyserl.	.....				*	*								*	*		Rivs. Vol & Uchta (Petschora-land).
nucleolus,	Kutorga.	.....				*	*								*	*		Orenbourg Govt.
ornata,	De Kon.	L', L'.....				*	*											Visé. Waulsort.
ovalis,	Phill.	L', L', LCM.	*	*	*	*	*											Brockley. Bolland. Longnor. Fur-
																		fooz. Visé.
panduriformis,	Kutorga.	L'.....				*	*								*	*		Sterlitamak (West Ural).
paucicostata,	G. Sow.	.....				*	*											?
pectenoides,	De Kon.	L'.....				*	*											Visé.
pentagonus,	Kutorga.	L'.....				*	*								*	*		Orenbourg Govt.
punguis,	Sow.	LLS., L', L', L'.....	*	*	*	*	*								*	*		Millicent. Carluke. Bolland. Castle-
																		ton. Visé.
var. rotundata,	Martin.	L'.....				*	*											Cosatschi-datschi.
planata,	Phill.	.....	*	*	*	*	*								*	*		Bundoran. Langbar (Kilbirnie).
																		Bolland. Settle.
prisca,	Eichw.	L', L'.....				*	*								*	*		Donetz.
quadriradiata,	De Vern.	L'.....				*	*								*	*		Sterlitamak.
recurvata,	De Kon.	L'.....				*	*								*	*		Visé. Derbyshire. Sterlitamak.
Reedii,	Davids.	L'.....				*	*								*	*		Settle.
rhomboidalis,	M'Coy.	L'.....	*	*	*	*	*											Millicent (Cork). Famignoul.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.																Locality.
		ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	
<i>neglecta</i> , Hall.	L'.....				*	*		*									Howard Co. Keokuk.
<i>Norwoodana</i> , "	L''.....							*	*	*							Alton. Spergen Hill.
<i>opimus</i> , "	L' or LCM., U.....				*	*		*	*	*							Big Creek, New Harmony, &c.
<i>Orestes</i> , "	Kinderh.....				*			*	*	*							Rockford. Hackberry.
<i>trigonotreta</i> .																	
<i>Osagensis</i> , Swall.	".....				*												Pettis Co.
<i>ovalis</i> , Phill.	L' (Keokuk)				*												
<i>pectinifera</i> , Sow.	UL.....		*														Big Blue Vale (Permian).
<i>perinflata</i> , L'''.....											*						None given. [scpersed].
<i>perplexa</i> , M'Chesn.	UCM.....				*			*									Adair Co. Alum Creek (very di-
<i>plano-convexa</i> , Shum.	UL.....		*	*	*	*						*					Fort Kearney. Bellevue. Munn's Pit.
																	Platte mouth. Henry Co.
<i>plena</i> , Hall.	L.....				*			*									Burlington, &c.
<i>propinqua</i> , "	L'.....				*			*	*								Keokuk. Warsaw. Nauvoo.
<i>pseudo-lineata</i> , "	L' (Keokuk)				*	*		*	*								Howard and Henry Cos.
<i>Rocky-montana</i> , Marcou.	UL. ?		*	*	*			*									Bellevue. Black Hills.
<i>rostellata</i> , Hall.	LCM., L'				*			*									Howard Co. Keokuk.
<i>rotundatus</i> , var. <i>semiovalis</i> , D. D. Owen.	L'.....				*			*	?								Keokuk Rapids.
<i>scobina</i> , Meek.	UL.....			*													Ruby Hills.
<i>setigera</i> , Hall.	L''.....			*													St. Mary's. Kaskaskia.
<i>Sillana</i> , Winch.	L'''.....									*							Valley Forge. Cuyahoga Falls.
<i>solido-rostris</i> , C. A. White.	Kinderh.....				*												Yellow sandstone.
<i>spinosa</i> , N. & Pratt.	L'''.....				*			*			*						Clarkesville. St. Genevieve. Chester.
																	Cowan.
<i>striata</i> , Sow.	Kinderh., L', L''	*	...	*	*	*	...	*	...	*	*	*	*	...			Howard Co. Chouteau Spring. Hut
var. <i>triplicata</i> , Marcou.	UL.....		*	*													Island. Windsor. Kennetcook.
<i>subaequalis</i> , Hall.	L''.....							*			*						Bellevue.
<i>subcardiiformis</i> , "	L'''.....				*			*			*						Clarkeville. Chester.
<i>subcuspidata</i> , Hall.	L'.....				*	*		*			*						Hawkins Co. Howard Co.
<i>subelliptica</i> , M'Chesn.	L'''.....				*	*		*			*						Kaskaskia limestone.
<i>suborbicularis</i> , Hall.	L'.....				*	*		*	*		*						Crawfordville. Nashville Tunnel.
<i>subrotundata</i> , "	L. Kinderh.....				*	*		*		*							Burlington. Sciotoville.
<i>subvaricosa</i> , "	CL.....				*			*									Waterloo.
<i>subventricosa</i> , M'Chesn.	".....				*			*									Big Creek. Posey Co.
<i>Taneyensis</i> , "	Kinderh.....				*			*									Taney Co.
<i>tenuicostata</i> , Hall.	L', L'''.....			*	*	*	*	*		*							Sumner Co. Nashville Tunnel.
<i>tenuimarginata</i> , "	L'.....			*	*	*	*	*		*							Howard Co.
<i>texta</i> , "	L', Keokuk.....				*			*	*								
<i>translata</i> , Swall.	L'''.....				*			*									St. Mary's Co. Cooper's Co.
<i>transversa</i> , M'Chesn.	L'''.....				*	*		*		*							
<i>trigonalis</i> , "	L'''.....				*			*									
<i>Urii</i> , Meek.	UL.....		*	*	*			*			*						Wittenburg. Perry Co.
<i>Vernonensis</i> , Swall.	Kinderh.....				*			*	*	*	*						Fort Kearney. Nebraska City.
<i>Carteri</i> , "	".....				*			*	*	*	*						Taney Co. (sulphur springs). Grafton.
<i>Waverleyensis</i> , Winch.	Kinderh.....				*			*		*	*						[Rockville. Shafers.
<i>species nova</i> , Shum.	CM.....			*				*		*	*						Newark.
" (2)	L'.....				*			*		*	*						Keokuk City.
Spiriferina , D'Orbigny, 1847; Davidson.																	
<i>binacuta</i> , Winch.	L.....				*			*			*						Burlington.
<i>Clarkvillensis</i> , "	Kinderh.....				*			*			*						Clarkeville.
<i>cristata</i> , Schloth.	L'''.....				*			*			*						Kaskaskia. Windsor. Brookfield, &c.
var. <i>octoplicata</i> , Sow.	L'''.....				*			*			*						Chester.
<i>Kelloga</i> , Swall.	L'''.....				*			*			*						Sewanee Section.
<i>Kentuckyensis</i> , Shumard.	LCM., M.	*	*	*	*	*	*	*	*	*	*						Beverley. Platte Co.
<i>solido-rostris</i> , C. A. White.	Kinderh.....				*	*	*	*	*	*	*						Burlington. Newark. Sciotoville.
<i>spinosa</i> , N. & Pratt.	L'''.....				*	*	*	*	*	*	*						St. Mary's. St. Louis. Kaskaskia.
																	Bloomington.
? <i>subtexta</i> , C. A. White.	L.....				*			*			*						Burlington.
Spirigera , D'Orbigny, 1848; Billings																	See Athyris .
<i>Americana</i> , Swall.	L', Keokuk			*				*			*						St. Mary's, &c.
<i>biloba</i> , Winch.	Kinderh.....				*			*		*							Rockford.
<i>caput-serpentis</i> , Swall.	UCM.....		*	*				*			*						Common in these States.
<i>Charitonensis</i> , "	UL.....			*				*			*						Randolph and Chariton Cos.
<i>Clintonensis</i> , "	L'''.....			*				*		*	*						Cooper & St. Genevieve Cos. Chester.
<i>corpulenta</i> , Winch.	Kinderh.....				*			*		*	*						Burlington (yellow sand).

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROPE.	URAL.	ALTAL.	Locality.
rhomboidea,	Phill.	LLS., L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Woodlands. Bolland. Derbyshire. Celle-veve.
Römeriana,	De Kon.	L', L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Tournai. Corenne. Visé.
rugulatus,	Kutorga.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Orenburg Govt.
Sarana,	De Vern.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Sarana (Riv. Ufa). Riv. Ylytch.
Schnuriana,	De Kon.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé.
sculptus,	Dupont.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Celle-veve. Pauguys. Corenne.
? Stokesii,	König.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	[datschi.
Strangwayesi,	De Vern.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Archangel. Mjatschkovo. Cosatschi.
striata,	Martin.	LLS., L'', L''', LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Millicent. Kildare. Castleton. Bolland. Visé. Liège. Namur.
striatella,	M'Coy.	LLS., L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	No locality known. [Visé.
strigocephaloides,	"	CL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Derbysh. Middleton. Staffordsh.
subconica,	Martin.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Roanne (Riv. Loire).
subglobularis,	Grüner.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Riesnbachthal (Schulenberg).
sublævis,	Ad. Rom.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé.
sublamellosa,	De Kon.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Govt. Orenburg.
subrostrata,	D'Orb.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bolland.
subrotundata?,	M'Coy.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Millicent. Matlock. Visé. Saraninsk.
triangularis,	De Kon.	L', L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bolland. Visé. [&c.
tricornis,	"	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Clonalvy. Cockenzie. Robroy. St. Dove.
trigonalis,	"	LLS., L', L'', L''', LCM, M.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	dale. Durham. Auchy au Bois. Visé. Ratingen. Irgiusky, &c.
var. a?,	Martin.	L'', &c. L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kilmarnock. Lowick. Breedon.
" b, bisulcata,	Sow.	L'', LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Dunfriesshire. Bolland.
" c, semicircularis,	Phill.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Whitewell. Yoredale. Isle of Man.
triplicata,	Kutorga.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Sterlitamak. Govt. Orenburg.
triradialis,	Phill.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Howth. Lanark. Bolland. Visé. Sterlitamak. Rivers Ousva & Itchougora.
undulata,	"	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Sterlitamak. Govt. Orenburg.
Urii,	Fleming.	LLS., L', L'', L''', M. Grit, LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Gare. North Shiels. Bolland.
ventricosa,	"	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Tournai. Famignoul.
Spiriferina, D'Orbigny, 1847; Davidson.																		
cristata,	Schloth.	LLS., L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	[shire. Malahide. Capelrig. Fulwood. Derby.
var. octoplicata,	Hunter.	L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Stales (Cork). Gare. Robroy. St.
inseulpta,	Phill.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ardagh. Stales (Cork). Loughslinny. Longuor, &c.
laminosa,	M'Coy.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Brockley. Andershaw. Staffordshire.
minima,	Sow.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bakewell (Derbyshire). [Durham.
Panderi,	Möll.	CL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	River Bolaya. Petschora-land.
partita,	Portl.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kildress. Tyrone.
Sarana,	Vern.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	River Ufa.
sculpta,	Phill.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Famignoul.
Spirigera, D'Orbigny, 1848																		
ambigua?,	Eichw.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	See Athyris.
concentrica?,	"	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Valdai district.
pectinata,	Semenov & Moller.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	River Serebrianka.
Puschiana,	De Vern.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Malouka.
Roissy,	L'Eveillé.	Culm	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	"
subpyriformis,	Semen. & Moll.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Malouka.

NORTH AMERICA.

[illegible]

EUROPE, &c.												
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.
											SAXONY.	RUSSIA, EUROP.
												URAL.
												ALTAI.
Spirigerina , <i>D'Orbigny</i> , 1847.												
? Mantia,	Sow.	.....	*	*	*	*	*	*	*	*	*	Derbyshire.
? radialis,	Phill.	.....	*	*	*	*	*	*	*	*	*	"
Streptorhynchus , <i>King</i> , 1850												
crenistris,	Phill. L', L'', L''', M.Gr.	*	*	*	*	*	*	*	*	*	*	ORTHISINA. HEMIPRONITES.
var. arachnoidea,	" LLS., L'	*	*	*	*	*	*	*	*	*	*	Bedless Hill. Campbell Town. Arbig-
" cylindrica,	M'Chesn. LLS., CL.	*	*	*	*	*	*	*	*	*	*	land. Longnor. Famignoul. Cler-
" Kellyi,	" L'	*	*	*	*	*	*	*	*	*	*	mont-Ferrand. Malowka, &c.
" radialis,	Phill. L', L''	*	*	*	*	*	*	*	*	*	*	Stradone. Croag. Famignoul.
" robustus,	Hall. L'	*	*	*	*	*	*	*	*	*	*	Castle Espie. Berwick Pier.
" senilis,	Phill. L'''	*	*	*	*	*	*	*	*	*	*	Staffordshire. Clifton.
explanatus,	Sow. L'	*	*	*	*	*	*	*	*	*	*	Middleton (Cork). Gare. Campsie.
senilis,	Phill. L'	*	*	*	*	*	*	*	*	*	*	Tirfergus Glen (Campbelltown).
venustus,	Trautscholdt. L''	*	*	*	*	*	*	*	*	*	*	Bowertrapping.
												Coblenz.
												Famignoul.
												Govt. Moscow.
Strophalosia , <i>King</i> , 1844.												
subaculeata,	Murch. L''	*	*	*	*	*	*	*	*	*	*	Sterlitamak.
Strophomena , <i>Rafinesque</i> , 1820												
analoga,	Phill. LLS., L', L'''	*	*	*	*	*	*	*	*	*	*	LEPTENA.
anomala,	" L''	*	*	*	*	*	*	*	*	*	*	Cregans. Carlake. Longnor. Famig-
rhomboidalis,	Wilkens. LLS.	*	*	*	*	*	*	*	*	*	*	Moscow. [noul.
												Passim.
Terebratula , <i>Lhwyd</i> , 1699												
angusticarina,	Ad. Röm. LLS.	*	*	*	*	*	*	*	*	*	*	Seminula, M'Coy.
bursa,	Eichw. L'	*	*	*	*	*	*	*	*	*	*	Epithyris, Phillips.
contraria,	Ad. Röm. LLS.	*	*	*	*	*	*	*	*	*	*	Waldheimia, King.
crispata,	De Kon. L'	*	*	*	*	*	*	*	*	*	*	Grund.
Dunkeri,	Ad. Röm. LLS.	*	*	*	*	*	*	*	*	*	*	Sloboda. Malowka.
ficus,	M'Coy. CL.	*	*	*	*	*	*	*	*	*	*	Grund.
Flemingii,	Dauids. LLS., Tuedian	*	*	*	*	*	*	*	*	*	*	Tournai.
fusiformis,	De Vern.	*	*	*	*	*	*	*	*	*	*	Grund.
hastiformis,	De Kon.	*	*	*	*	*	*	*	*	*	*	Derbyshire. Isle of Man.
hastata,	J. Sow. LLS., L', L'''	*	*	*	*	*	*	*	*	*	*	Stanhope (Durham).—Tate.
var. Gillingsensis,	Dauids. L', L'''	*	*	*	*	*	*	*	*	*	*	Cosatschi-datschi.
" vesicularis,	De Kon. L'''	*	*	*	*	*	*	*	*	*	*	Tournai (upper clay).
inaequalis,	Ad. Röm. L	*	*	*	*	*	*	*	*	*	*	Oldtown. Gare. Bolland. Bristol.
papyracea,	" LLS.	*	*	*	*	*	*	*	*	*	*	Waulsort.
planosulcata,	De Kon. L'	*	*	*	*	*	*	*	*	*	*	Orton. Bolland. Durham.
plica,	Kutorga.	*	*	*	*	*	*	*	*	*	*	Bowertrapping. Arden.
reflexa,	De Kon. L'''	*	*	*	*	*	*	*	*	*	*	Riesbachthal (also Devonian).
sacculus,	Martin. L', L'', L''', LCM.	*	*	*	*	*	*	*	*	*	*	Lautenthal. [Range.
Schlotheimiana,	Von Buch. L'	*	*	*	*	*	*	*	*	*	*	Tournai (Permian). East Timan
simia,	De Kon. L'	*	*	*	*	*	*	*	*	*	*	Rivers Vijayi and Kosva.
<i>Rhynchonella</i> . <i>Atrypa</i> .												Visé. North of Liege.
squamigera,	De Kon. L'	*	*	*	*	*	*	*	*	*	*	Loughshinny. Dumfermling. Mat-
? subtilita,	Hall.	*	*	*	*	*	*	*	*	*	*	lock. Celic-veve. Visé. Soiwa Riv.
												Sterlitamak. Kouschvinsk.
												Famignoul.
												Tournai (upper clay).
												Mayen Wais (yellow grit).

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Terebratulina , <i>D'Orbigny</i> , 1847.																		
pentatoma?	D'Orb.	LCM., M.						*	*									LaSalle, Summit, Columbiana Co ^s .
Trigonotreta , <i>König</i> , 1825.																		
striatiformis,	Meek.	Kinderh.									*							Sciotoville.
Waldheimia , <i>König</i> , 1825																		TEREBRATULA.
compacta,	White & St. John.	UCM.					*											In Madison Co. only, at one spot.
millepunctata,	" "	MCM.					*											Long Branch (English Cr ^s Lucas Co.).

DIVISION MOLLUSCA. CLASS LAMELLIBRANCHIATA (ASIPHONIDA).

AVICULA.]

ORDER MONOMYARIA.

[CARBONIFEROUS.

[illegible]

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUENISH PRUSSIA	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
<i>trilatera, vesicularis,</i> Terebratulina, D'Orbigny, 1847. <i>Julensis,</i> Pander.	De Kon.	L'''				*												Visé.
	"	L'''		*	*	*												Bathgate. Staffordshire. Visé.
	1847.	LLS.													*			Malouka (Trautscholdt).

DIVISION MOLLUSCA. CLASS LAMELLIBRANCHIATA (ASIPHONIDA).

AMBONYCHIA.]

ORDER MONOMYARIA.

[CARBONIFEROUS.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.															Locality.	
		IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.		ALTAI.
Ambonychia , Hall, 1852.																	
vetusta,	Mills. Grit, L'	*	*														Castle Cary. Kendal.
Anomia , Linnaeus, 1758																	Monotis , Bruguière, 1791.
antiqua,	M'Coy. L'''	*															Linnsput. Dalry.
corrugata,	Ether.	*															Glasgow (shale and limestone).
Avicula , Klein, 1753.																	
acutirostris,	De Kon. L'''	*		*													Visé.
æqualis,	M'Coy. LLS., &c.	*	*	*													
alternata,	" CL.	*															
angustata,	" LLS., L'''	*	*														
antiqua,	Münst. L'												*				Rahan's Bay. Gare. Fulwood Burn.
Benedeniana,	De Kon. L'''			*													Vitegra.
bicostata,	M'Coy. CL.	*															Visé.
Bosquetiana,	D'Orb. L'''			*													Visé.
Browniana,	M'Coy. UCM.			*													Wigan.
Buchiana,	De Kon. L'''			*													Visé.
concinna,	M'Coy. LLS., CL.	*															Limestone and Shale.
cycloptera,	Phill. LLS., L'''	*	*	*													Mohill. Bolland. Staffordshire.
Damnionensis,	Sow. LLS.			*													Marwood (Devonian?).
decussata,	M'Coy. LLS.	*	*														
fabalis,	Ryckholt. L'			*													Famignoul.
fallax,	Eichw. L'''												*				Cosatschi-datschi.
flabellula,	M'Coy. L'	*															Ballintrillick. Donegal.
gibbosa,	" L'''	*															
heliotoides,	Ad. Röm.									*							Lautenthal.
informis,	M'Coy. LLS., CL.	*															Killagunry.
interstitialis,	Phill. L'			*													Famignoul.

NORTH AMERICA.

[illegible]

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHODAN PRUSSIA.	WESTPHALIA.	SELESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
irradiata, laevigata, laevis, laminosa,	De Kon.	L'.....				*												Famignoul.
	M'Coy.	L', L', L'.....	*	*														Millicent. Astagob. Beith. Visé.
	Brown.	LCM.			*													Manchester.
	Phill.	LLS., L', M.Grit	*	*	*	*												Bruckless. Beith. Colsterdale. Bolland. Waulsort.
ligonula, lunulata,	Ryckholt.	L'.....			*													Famignoul.
	Phill.	L', L'.....	*		*	*	*	*	*									Kildare. Bolland. Visé, &c. River Ruhr. Werden.
magnifica, modiolaformis, nana,	De Kon.	L'.....				*												Visé.
	Brown.	LLS.		*														Woodhall (Edinburgh). Slatford.
nobilis, Nystiana, obliqua,	Eichw.	L'.....													*			Sloboda (yellow clay).
	De Kon.	L'.....	*		*	*												Visé (Anthraxif. limestone).
obtus, paradoxides, poseidonis,	"	L'.....			*	*												Bolland. Visé.
	Brown.	LCM.			*													Crimsworth Dean.
prisca, pristina, radialis,	Salter, D'Orb.	LCM.			*													S. Wales.
	De Kon.	L'.....				*												Visé.
radiata, radula, recta,	Ad. Röm.	L'?								*								Schalke.
	M'Coy.	L'.....	*	*	*													Carlake. Parkhill. Longnor.
rugosa, Samueli,	Eichw.	L'.....												*				Kozel.
	Phill.	.....			*													Staffordshire.
Seythica, semisulcata, simplex,	De Kon.	L'.....			*	*	*											Bolland. Visé.
	"	L'.....			*	*												Visé.
squamosa, subechinata, subglobata,	M'Coy.	L'.....	*		*													Millicent. Waulsort.
	"		*	?														
subgranosa, sublaevigata, subpapyracea,	Brown.	LCM.			*													High Greenwood.
	Eichw.	.....													*			Cosatschy-datschi.
tessellata, tumida,	M'Coy.	CL.	*	?	*													Visé.
	Phill.	L'.....	*		*													Bollintulluk. Staffords. Famignoul.
uniplicata, Valenciennesiana, venusta,	De Kon.	.....	*		*	*												No locality given.
	D'Orb.	.....	*		*													Visé.
Verneulli, Aviculopecten , M'Coy, 1853 ...	De Kon.	.....				*			*					*	*			Bochum. Lissitschinskaya.
	De Kon.	L'.....			*	*												Bolland. Colsterdale. Visé.
æqualis, not <i>Monotis</i> .	Ad. Röm.	LLS.								*								Visé. Spröckhovel.
	D'Orb.	L', L', LCM.....			*	*	*	*										Grund.
alternatus, <i>Meleagrina</i> .	Nyst.	L'.....			*	*												Visé.
	M'Coy.	LLS., L'.....	*	*														Drumeurren.
anisotus, arenosus,	M'Coy.	L'.....	*															Pecten , <i>Linnæus</i> , 1758 (marine).
	"	L', L'.....	*	*	*													
asperulus, auriculatus, aurilævis,	Phill.	CL.			*													Cateraig. Hawthorn. Springfield.
	"	LLS., L', L'.....	*	*	*													[Woodhay.
Bellis, Bosquetianus, Bouei,	M'Coy & De Kon.	CL.	*															Yorkshire.
	M'Coy.	L'.....			*													Kildare. Kulkeagh. Sculliongows.
Buchianus, cancellatulus, cingendus,	Ad. Röm.	LLS.			*					*								Campbelton. Bolland, &c.
	D'Orb.	L'.....			*													Co. Leitrim.
circularis, clathratus,	M'Coy.	LLS.	*															Waulsort.
	De Kon.	L'.....			*	*												Not stated.
cælatus, cognatus, comptus,	De Vern.	L'.....			*	*							*	*				Famignoul.
	De Kon.	L'.....			*	*												Rahoran.
concepus, concentricostriatus, concentricus,	De Kon.	L', L'.....			*	*												Staffordshire. Famignoul.
	M'Coy.	LLS., L'.....	*		*													Valdai Hills. Peredki. River Soiva.
conoideus, consimilis,	De Vern.	L'.....			*	*							*	*				Celle-veve. Waulsort.
	"	L'.....	*		*													Killemeal. Lowick.
circularis, clathratus,	"	CL.			*													Chatburne.
	"	L'.....	*	*														Little Isle (Cork). Malahide. Boghead. Hamilton.
cælatus, cognatus, comptus,	"	L', L'.....	*	*	*													Armagh. Beith. Fife. Longnor. Durham.
	"	L'.....	*	*	*													Braidwood. Park Hill. [ham.
concepus, concentricostriatus, concentricus,	"	CL.	*															
	"	LLS.	*	*	*													Killogunna. Teiglan Burn. Park Hill.
conoideus, consimilis,	"	L', L'.....	*	*	*													Millicent. Curriehurn. Derbyshire.
	"	CL.	*															[Durham.
circularis, clathratus,	"	LLS., L'.....	*		*													Killala. Durham.
	"	LLS., L'.....	*	*														" Craigenglen. Bower-trapping.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
occidentalis,	Shum. Kinder., L', UCM	...	*	...	*	*	...	*	...	*	...	...	...	*	...	...	Gallatin Co. Saline Creek. Putnam Hill.
Ohioensis,	Meek.	...	...	...	...	...	...	...	...	*	...	...	...	...	...	...	Warsaw.
Oweni,	M. & W. L', Keokuk L'st.	...	...	...	...	...	...	*	...	...	...	...	...	...	...	...	Adams Co.
pellucidus,	D'Orb. UCM.	...	...	...	...	...	...	*	...	...	...	...	...	...	...	...	Pike Co. Gallatin Co. Honey Creek.
Providence-ensis?	UCM.	...	...	*	*	...	...	...	...	...	*	...	...	...	...	...	Gay's River (bed D).
reticulatus,	Daws. L''	...	...	...	...	...	...	...	*	...	...	...	...	*	...	...	Bonharbour. Curlew Mines. Waggon-defeat Creek.
rectilateraria,	Cox. UCM.	...	...	*	*	*	...	*	*	...	*	...	...	...	...	...	M'Kenzie's Mill. Cumberland Co. Shubenacadie. Windsor.
simplex,	Daws. L'''	...	...	...	...	...	...	...	...	...	...	...	...	*	...	...	Crawfordsville.
spinuliferus,	M. & W. L'	...	...	...	...	...	...	...	*	...	...	...	...	...	...	...	Burlington. Rockford.
tenuicostatus,	Winch. Kinderh.	...	...	...	...	...	*	...	*	...	...	...	...	...	...	...	Locality not known.
Whitei,	Meek. "	...	...	...	...	...	...	*	...	...	...	...	*	?	...	...	Chouteau Springs. Boone Co.
Williamsi,	" "	...	...	...	*	*	...	*	...	...	...	...	...	...	...	...	Newark.
Winchelli,	" "	...	...	...	...	...	...	...	...	*	...	...	...	...	...	...	

		EUROPE, &c.																
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
deornatus,	Phill.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cork. Lowick. Durham. Lissitzchin.
depilis,	M'Coy.	LLS., L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Killala. Park Hill. Celle-veve.
dissimilis,	Flem.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Millicent. Linlithgow. Bolland. Visé.
docens,	M'Coy.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	E. Kilbride. Northumberland. Durham. Dinant.
Dumontianus,	De Kon.	CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kildare. Braidwood. Staffordsh. Visé.
duplicostatus,	M'Coy.	LLS., L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Larganmore. Carluke. Durham.
echinatus,	Phill.	CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ballyduff. Kildress. Longnor.
ellipticus,	M. Grit.	LSS., L', L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bolland. Waulsort. Cosatschi-datschi. Goubakha.
elongatus,	M'Coy.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Millicent. Rowerbeg. Roughwood. [Waulsort.
exiguus,	Phill.	CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cosatschi-datschi.
exoticus,	Eichw.	L''' ?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kilmore. Astagob. Famignoul.
fallax,	M'Coy.	LLS., L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Woodhay. Ashton-under-Lyne.
fibrillosus,	Salter.	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Millicent. [Castleton.
filatus,	M'Coy.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Craigenglen. Robroyston. Park Hill.
fimbriatus,	Phill.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Carluge. Celle-veve.
flabellulus,	M'Coy.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	New Road, Armagh. Beith.
flexuosus,	Phill.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Millicent. Malahide.
Forbesii,	Sow.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Coalbrookdale (Shropshire).
gentilis,	M'Coy.	L', LCM., M.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ballyduff.
gibbosus,	Goldf.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Clausthal. Herborn (Nassau).
grandævus,	Sow.	LLS., L', L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Howth. Corrieburn. Bolland. Longnor. Waldenberg.
granosus,	Phill.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kildare. Drumkeeran.
var.	M'Coy.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Famignoul.
gravonius,	Phill.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ballintra. Lisnapaste.
Hardingii,	Semenow & Möller	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Malowka (Moscow).
Helmersenii,	Phill.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bolland. Visé.
hemisphaerica,	M'Coy.	LLS., L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Millicent. Longnor.
hians,	De Kon.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé.
Hornesianus,	Phill.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Malham Moor. Visé.
illegalis,	M'Coy.	LLS., L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ballintra. Bundoran. Auchineok.
incrassatus,	Phill.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Yorkshire. [Derbyshire.
inornatus,	D'Orb.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Famignoul. Dinant.
intercostatus,	De Veru.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Doohylebeg. Duncannon. Gare.
internedius,	Phill.	LLS., L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hawes.
interstitialis,	M. Grit.	UCM. ?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Durham.
interstitialis,	M'Coy.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Rahoran.
Jonesii,	Phill.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Corrieburn.
Knockonniensis,	M'Coy.	LLS., L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Knockonny. Andershaw. Brockley.
Kokscharofi (segregatus),	Phill.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Peredki. R. Vaga (Archang.) R. Sosva.
lævigatus,	M'Coy.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Malahide. Rathkeale. Waulsort.
leiotis,	Goldf.	L', L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	No locality given.
luteatum,	M'Coy.	L' ?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Corrieburn. Campbellton.
macropterus,	Phill.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Bakewell.
macrostis,	De Kon.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Dunkineely. Teiglam Burn.
mactatus,	Phill.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Tournai. Derbyshire.
margaritoides,	M'Coy.	L' or LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Withgill (Tiddeman). Lancashire ?
megalotus,	Phill.	CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cork. Poulskadden.
megalotoides,	Phill.	CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Florennes. River Tscherschanka.
meleagrinoideis,	Phill.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Wilton. Ironstone Pit. Carluge.
micropterus,	Eichw.	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cosatschi-datschi.
Midas,	D'Orb.	LLS., L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ballintra. Flemingtown.
Mundus,	Phill.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kildorrey. Carluge.
Murchisoni,	Phill.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Famignoul. Waygate Shaw (West Scotland).
orbicularis,	M'Coy.	L''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Carluge (2nd Kingshaw limestone).
Oryza,	R. Ether., jun.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Teiglam and Fidler's Burn.
ornatus,	Phill.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Tyrone.
Ottonis,	Goldf.	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Ardagh. Dalry. Linnspout.
ovatus,	M'Coy.	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Auchy au Bois. Knockbrack. Werder.
papyraceus,	Sow.	L''' M.Gt., LCM., M.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kirktonholm. Harrogate. Goldsitch (Staffordshire).

[illegible]

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Pera,	M'Coy.	LLS., L'	*		*													Bruckless. Killala. Derbyshire.
perobliquus,	Ad. Röm.	LLS.									*							Lautenthal.
Phillipsianus,	De Kon.	L'''				*				*								Visé.
Phillipsii,	Goldf.	Culm								*								Cork. Woodlands. Famignoul.
planicostatus,	M'Coy.	L'	*		*													Little Isle (Cork). Bundoran.
planoclathratus,	"	L', L''	*		*													Auchenskeoch. Longnor. Derbysh.
planoradiatus,	"	L'	*		*													Ardconnaught, Drumkeeran, Gare, Celle-veve. [&c.]
plicatus,	Sow.	LLS., L', L''' ..	*		*													
pulchellus,	M'Coy.	L'	*		*													
quadratus,	"	CL., MCM.	*		*													
quinkelineatus,	"	LLS., L'	*		*													Mohill. Mitchellstown.
radiatus,	Phill.	L', L'''	*		*	*												Craigenglen. Bolland. Visé.
rigidus,	M'Coy.	LLS., L'	*		*													Castleknock. Malahide.
rugulosus,	"	LLS.	*		*													Doorin.
Ruthveni,	"	L'	*		*	*												Kendal. Famignoul. [brookd.]
scalaris,	Sow.	LLS., L'', MCM.	*		*	*												Mohill. Gare. S. Staffordsh. Coal-
sclerotis,	M'Coy.	L''	*		*	*												Bundoran. Lowick. Waulsort.
Sedgwickii,	"	L', L''	*		*	*												Little Island (Cork). Alstonfield.
semicircularis,	"	LLS., L'	*		*	*												Ballintra. Roughwood (Beith).
semicostatus,	Portl.	CL.	*		*	*												Tyrone.
semistriatus,	M'Coy.	L'	*		*	*												Little Island (Cork). Ardagh.
serratus,	"	LLS., L'	*		*	*												Ballintra. Manor. Hamilton. Howrat.
Sibericus,	De Vern	L''?													*	*		Cosatschi-datschi. Rivs. Kolva and Soiva. [Visé.]
simplex,	De Kon.	LLS., L', L''' ..	*	*	*	*												Boghead. Cullion. Gare. Orchard.
Sowerbyi,	M'Coy.	LLS., L', L'' ..	*	*	*	*												Mohill. Howth. Beith. Longnor.
spinulosus,	"	LLS., CL.	*		*	*												Dunkineely. [Durham.]
stellaris,	Phill.	L''	*		*	*												Braidwood. Staffordshire.
strictus,	Eichw.	L'''														*		Cosatschi-datschi.
subalternata (Lima),	D'Orb.	.....	*															
subclathratus,	Keyserl.	.....													*			Petschora-land.
subconoideus,	Ether., jun.	.....			*													Strathkinness.
subelongatus,	M'Coy.	L'	*	*	*	*												Craigenglen. Calderside.
subfimbriatus,	De Vern.	L', L''	*	*	*	*								*				Fermanagh. Peredki. Valдай.
sublobatus,	Phill.	L''	*		*	*												Longnor. Park Hill. Castleton. Fa-
suborbiculata,	D'Orb.	.....	*		*	*												[mignoul.]
subpapyraceus,	De Veru.	.....												*				Lissitebia-balka. Petschora-land.
"	Ludwig.	.....							*									Langendreer (Bochum).
subradiatus,	Ad. Röm.	LLS.								*								
tabulatus,	M'Coy.	L''	*		*	*												
tessellatus,	Phill.	L', L'''	*	*	*	*												Gare. Carluke. Bolland. Colsterdale.
transversus,	Sow.	LLS., L'?	*		*	*												Clonea. Errigle-Kerrogue. Pilton.
tripartitus,	M'Coy.	LLS.	*		*	*												
Tromelini,	Edgell.	?			*	*												Budleigh-Salterton.
undulatus,	"	LLS.	*		*	*												Ballintra.
Valdaicus,	De Vern.	L'	*		*	*								*				Riv. Bystritza (Novgorod Govt.).
variabilis,	"	LLS., Calp L'', M. Grit.	*	*	*	*												Bundoran (Calp). East Burn (Stewar-
varii-ornatus,	?	.....			*	*												arton).
Vernuilli,	Hunter.	L''			*	*												Durham. Northumberland.
vetustus,	Sow.	L''				*												Shale above main post limestone.
villanus,	De Kon.	L'			*	*												Waulsort. Visé.
spec. indet.,	F. Röm.	.....				*				*								Staffordshire. Famignoul.
Bakewellia, King, 1849.	Marin e.	.....																
antiqua,	Goldf.	L''												*				Maloyaroslavitz (Moscow).
ceratophaga,	Schloth.	Perm. ?																
Gervillia, Defrance, 1820.	Fam. AVICULIDÆ.	.....																
elongata,	Portl.	LLS., L'	*		*	*												Drumkeeran. Fermanagh.
inconspicua,	Phill.	LLS.			*	*				*								Castleton. Grund.
obtusa,	Brown.	M. Grit., LCM.			*	*												Count Hill, near Oldham.
primava (lunulata),	"	L', L'''	*		*	*												Kildare. Collersdale. Bolland. Hawes.
squamosa,	"	L', L'''	*		*	*												Enniskillen. Bolland.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
? <i>Inoceramus</i> , Sowerby, 1814. problematicus,	Sandstone			*													Nishna-botany. Woodbury Co.
<i>Lima</i> , Bruguière, 1797. retifera, B. P. Shum.	UL		*	*	*												Verdigris valley. Forest and Nebraska city. Atchison Co.
<i>Megambonia</i> , Hall. Lyoni, spec. indet.,	Kinderh. UL								*		*						Rockford? Verdigris valley.
<i>Pecten</i> , Linnæus, 1758; Müller, 1776. (Entolium) Broadheadii, carboniferus, Stevens. Cleavelandicus, Swall. Hallii, ? Hawnii, Geinitz. Missouriensis, Shum. Muhler?, spec. indet., Shum.	UCM. UCM. L'', UL		*	*	*				*								Marion Co. Crooked Creek. Willow Springs. Nebraska city. "
<i>Perno-pecten</i> , Winchell, 1864, = Cooperensis, Winch. limæformis, " limatus, " Newarkensis, " Shumardianum, " spec. indet., C. A. White.	<i>Entolium</i> , Meek. Kinderh. " " L " Kinderh. " ? MCM.									*							Newark. None given. Burlington. Sciotoville. Newark. Burlington.
<i>Pinna</i> , Linnæus, 1858. Adamsi, McChesn. Heinricksiana, W. & St. J. ? Marshallensis, Winch. Missouriensis, Swall. flabelliformis. peracuta, Shum. spec. indet. (2), White.	UCM. L'' " Kinderh. L'' " UCM. MCM., UL ..				*	*	*	*	*	*	*	*	*	*	*	*	Lasalle Co. Pella. Napoleon Cut (Jackson Co.). St. Genevieve. Gravel Creek. Iowa Pt. Gallatin Co. Honey Crk.
<i>Placunopsis</i> , Morris and Lycett, 1853. carbonaria, M. & W. recticardinalis, Meek.	CM. CM.						*	*	*	*	*	*	*	*	*	*	Flint Ridge (Putnam Hill).
<i>Plicatula</i> , Lamarck, 1801. striato-costata, Cox.	UCM.										*						Hopkins Co.
<i>Posidonomya</i> , Bronn, 1837. <i>Posidonia</i> , Goldfuss. ambigua, Winch. clathrata, Isaac Lea. ? distans, " fracta, Meek. mesambonata, Winch. perstriata, Isaac Lea. Römingeri, Winch. striata, Stevens. Whitcana, Winch.	Kinderh. LCM. LCM. CM. Kinderh. LCM. Kinderh. L'' (with coal) .. Kinderh.					*	*	*	*	*	*	*	*	*	*	*	Yellow sandstone. Wilkesbarre. " Flint Ridge (Putnam Hill). Moscow (Marshall Co.). Wilkesbarre. Marshall. Summit (Columbiana Co.). Marshall Co.
<i>Pseudomonotis</i> , Beyrich, 1862. radialis, Phill.	UCM.		*														
<i>Pterinea</i> , Goldfuss, 1840 or 1833 cardinata, Winch.	Kinderh.						*										[1866. MONOPTERIA (subg.), Meek & Worth, Grindst. Quarries. Pt. aux Barques.

EUROPE, &c.																		
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.	
Inoceramus , <i>Sowerby</i> , 1814		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	No true <i>Inoceramus</i> in coal-rocks.— [<i>F. Röm.</i>]	
? auriculatus, M'Coy.		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Grund.	
carbonarius, Ad. Röm. LLS.		..	..	..	..	..	..	..	..	*	..	..	..	..	..	..	Cork.	
? lævissimus, M'Coy. L'		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Millicent.	
? orbicularis, " L'		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Derryloran. Visé.	
pernoides, Portl. L', L'''		*	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Kildress (Tyrone Co.).	
Lima , <i>Bruguière</i> , 1797.																		
Haueriana, De Kon. L''		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
lævigata, M'Coy.		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
obliqua, "		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
prisca, "		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
semisulcata, "		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Ostræa , <i>Linnaeus</i> , 1758. Fam. O STREID.E.																		
nobilissima, De Kon. L'''		..	..	..	*	..	..	..	..	..	..	..	..	..	..	..	Visé, near Liège.	
Pecten , <i>Linnaeus</i> , 1758.																		
granulosus, Phill.		..	..	..	..	..	..	..	*	..	..	..	..	..	..	..	Caroline Coal-pit, Glatz.	
ovali-costatus, Portl. L' ?		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Carnteel (Tyrone Co.).	
primigenius, Von Weyer. MCM.		..	..	..	..	..	..	..	*	..	..	..	..	..	..	..	Dilldorf. Werden (ironst. nodule).	
Sowerbyi, var. elongatus, Ludw. MCM.		..	..	..	..	..	..	..	*	..	..	..	..	..	..	..	Schacht Vollmond (Bochum).	
Pinna , <i>Linnaeus</i> , 1759.																		
flabelliformis, Martin. L', L'', L'''		*	*	*	*	..	..	..	..	..	..	..	..	..	..	..	Beith. Bakewell. Durham. Visé.	
var. inæquicostata, Portl. L'		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Carnteel. Benburb.	
flexicostata, M'Coy. LLS., L', L'' ..		*	*	*	*	..	..	..	..	..	..	..	..	..	..	..	Garbrochill. Bunowna. Longnor.	
granulosa, L'''		..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Bolland. Northumberland.	
Ivanitzkiana, De Vern. L' ?		..	*	..	..	..	..	..	..	..	..	..	*	..	..	..	Carluke (ironst.). Lissitschinbalka.	
membranacea, De Kon. L', L'''		..	..	*	*	..	..	..	..	..	..	..	..	..	..	..	Durham. Visé.	
mutica, M'Coy. LLS., CL.		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
perobliqua, Ad. Röm. LLS.		..	..	..	..	..	..	..	..	*	..	..	..	..	..	..	Visé (upper anthraxiferous limest.).	
prisca, De Kon. L'''		..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Inkerman pits. Derbysh. Cresset	
spatula, M'Coy. Culm, L'		*	*	*	*	..	..	*	..	..	..	..	..	..	..	..	(Auvergne).	
Posidonomya , <i>Bronn</i> , 1837. Posidonia , <i>M'Coy</i>																	Chief shell in <i>Posidonia</i> schist.	
acuticostata, Sudbrgr. LLS.		..	..	*	..	..	..	..	*	..	..	..	..	..	..	..	Lautenthal.	
Becheri, Goldf. LLS., L'', L''' ..		*	..	*	..	..	*	*	*	*	*	*	*	*	*	*	Tobergrey. Durham. Lautenthal.	
	M. Grit, CM.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Morawitz. Litchvin.	
complanata, Portl. LLS., L'		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ballynascreen (Derry).	
concentrica, De Kon. L'		..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Famignoul.	
corrugata, Ether. L'		..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Lickprivick Castle (Burn brae).	
costata, M'Coy. L''		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Gibsoni, Brown. M. Grit, LCM.		..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Wigan and 8 miles N. of Dobs Cross	
hemisphærica, Phill. L'''		..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Visé. [(Lancash.).	
lamellosa, De Kon. L'''		..	..	*	..	..	..	..	..	..	..	..	..	..	..	..		
lateralis, Morris & Sow. LLS., L', M.Grit ..		*	*	*	..	..	..	..	..	..	..	..	..	..	..	..	Keadne. Venn. Treacot.	
levigata, Brown. LCM.		..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Oldham.	
marginalis, Eichw. L'''		..	..	..	..	..	..	..	..	..	..	..	..	*	..	..	Cosatschi-datschi.	
membranacea, M'Coy. LLS., L'', L''' ..		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Westown. Cahirnanalt. Clondalkin.	
	M. Grit, CM.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
minuta, Goldf. CM.		..	..	..	..	..	..	..	..	..	..	..	..	*	..	..	Izoume (Govt. Kharkoff).	
similis, M'Coy. L'''		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Clondalkin.	
transversa, Portl. L'		*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Fermanagh.	
tuberculata, Sow. L'''		..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Swimbridge, Northumberland, &c.	
venusta, Münst. LLS.		..	..	*	..	..	..	..	..	..	..	..	..	..	..	..		
vetusta, Sow. LLS., L', L''' ..		*	*	*	*	..	*	..	..	..	..	..	..	*	..	..	Cessneck Castle. Settle. Bolland.	
	M. Grit.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Visé. Ratingen. Cosatschi-datschi.	
Pterinæa , <i>Goldfuss</i> , 1833 or 1840.																		
bicarinata, Goldf.		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Lindlar (Bergischen).	

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAL.	Locality.
desquamata,	M'Coy.	.....	*	..	..	..	..	..	..	..	..	..	..	..	*	..	..	[Govt.
hyperborea,	"	L'	..	..	..	..	..	..	..	..	..	..	..	..	*	..	..	Mjatschkovo (Mosc.) and Kalouga
informis,	"	L'	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Poolwash (Isle of Man).
intermedia,	"	.....	*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
lepida,	Goldf.	Pass.-bed, LLS.	..	..	..	..	..	..	..	..	*	..	..	..	..	..	..	Lautenthal.
Thompsoni,	"	LLS., L'	*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Fermanagh.
Pteronites , <i>M'Coy</i> , 1844. Marine.																		
angustatus,	M'Coy.	LLS., L', L' ..	*	*	*	..	..	..	..	..	..	..	..	..	..	..	..	Bruckless. Dunkincely. Lesmahago.
			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Durham. Longnor.
fluctuosus,	Ether.	L'	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Craigenglen. Carluke.
latus,	M'Coy.	L'	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Millicent. Corrieburn (Carluke).
persulcatus,	"	.....	..	*	*	..	..	..	..	..	..	..	..	..	..	..	..	Craigenglen. Carluke. Durham.
regularis,	Ether., jun.	L'	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Arden. Linn Spout. Waggate Shaw
			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	(Carluke). Derbyshire.
semisulcatus,	M'Coy.	L'	*	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Carluke (and in 4 localities and 4
subradiatus,	Sow.	CL.	..	..	*	?	..	..	..	..	..	..	..	..	..	..	..	[sediments).
sulcatus,	M'Coy.	L'	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Manor Hamilton.
ventricosus,	"	LLS., L'	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ardshankill (Boa Island).
Streblopteria , <i>M'Coy</i> , 1851. Osolete.																		
pulchella,	M'Coy.	L', L'	*	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Millicent. Durham.

CLASS LAMELLIBRANCHIATA (SIPHONIDA).

ALLORISMA.]

ORDER DIMYARIA.

[CARBONIFEROUS.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.															Locality.	
		IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.		ALTAI.
Allorisma , King, 1844. Myacites , Bronn.	Sow. L' ? , LCM.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Longnor. Coalbrookdale.
Ansticci, King.	LLS., L', L'	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Northumberland. Coalbrookdale.
constricta,	LCM.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
gibbosa,	Sow. L'	*	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Longnor. Staffordshire.
Omaliana,	De Kon. L'	*	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Atagob, Armagh, &c. Derbyshire.
primæva,	Portl. CL	*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Tyrone. [datschi.
regularis,	D'Orb. L', L'	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sloboda. Riv. Yglytsch. Cosatschi.
sulcata,	Flem. L'	..	*	..	..	..	..	..	..	..	..	..	*	*	..	..	Craigenglen. Beith. High Blantyre.
"	Münst. L', L', LCM.	..	*	*	..	..	..	..	..	..	..	..	..	..	..	..	Glorat, &c.
tenuilineata,	Ether., jun. L'	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Cousland (Mid-Lothian).
tumida,	Phill. L' , LCM.	*	..	*	..	..	..	..	..	..	..	..	..	..	..	..	Doohylebeg. Staffordshire. Bolland.

NORTH AMERICA.

Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
regularis,	King.	L', UCM.		*		*			*	*								Kansas city. Vernon Co. Keokuk.
sinuata,	M. Chesn.	L''							*	*								Chester, &c. (widely dispersed).
subeuneata,		UCM.					*											Quitman (Atchison Co.).
subdernecka,	M. & H.	UCM.		*														Leavensworth.
subelegans,	Meek.	CM.							*									
sulcata,	"			*		*			*					*				River Platte's mouth.
terminalis,	Swall.	MCM.				*												
Topekaensis,		UCM.		*					*									Topeka. Honey Creek. Gallatin Co.
ventricosa,	Meek.	Kinderh.								*								Rushville. Newark.
spec. indet.,	C. A. White.					*												
Winchelli,	"	Kinderh.								*					*			" " Windsor.
spec. indet.,	M. & W.	UCM.							*									
"	M. & H.	UCM.		*														
Anatina , Lamarck, 1809.																		
spec. indet.,		Kinderh.							*									
Anomianella , Ryckholt, 1852.																		
carbonaria,	M. & W.	CM.						*										
Anthracoptera , Salter, 1862																		Naiadites , Dawson.
carbonaria,	Dawson.	Lower MCM.											*					Joggins.
fragilis,	M. & W.	L' (Keokuk)						*										Warsaw.
laevis,	Dawson.	MCM.												*				Joggins.
Anthracoccia , King, 1842.																		
aequimarginalis,	Winch.	Kinderh.						*										Marshall Co.
Antigonesensis,	Dawson.	L''										*						Antigonish? (Pictou).
Bradorica,	"	LCM.											*					Braddeck.
concentrica,	Winch.	Kinderh.						*										Jonesville. Hillsdale and Adams Co.
fragilis?,	Cox.	Shale							*									Dix Pit or Bank (in shale).
nana,	D. D. Owen.	L'				*	?						*					Onslow.
occidentalis,	Swall.	Kinderh.																Cooper, Saline, Moniteau Cos.
subangulata,	Dawson.	L'''											*					Pugwash (Amherst Co.).

EUROPE, &c.																		
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.	
Amphidesma , Lamarck, 1818; ? deltoidea, ? lunulata, pristana,	<i>Phillips.</i> Portl. L' ? Keyserl. L''' De Vern. L'''	*													*		Derry. Tyrone. Cosatschi-datschi. "	
Anatina , Lamarck, 1809. ? attenuata, ? deltoidea,	M'Coy. LLS., CL. " LLS., CL.	*															Killala.	
Anodonta , Cuvier, 1798. angulata, brevis, carbonaria, cicatricosa, Hardensteinensis, lucida, minima, obstipa, ovalis, procera, subparallela, tenera, Uralica,	Fam. UNIONIDE. Ryckh. L' Ludw. De Kon. L' Ludw. LLS., LCM. " LCM. " LCM. ? " L''' Martin. L'. CM. Ludw. LCM. Keyserl. L''' Eichw. L''' Ludw. L'''							*	*	*						Ilmenau. Herbede. Hardenstein. Ilmenau. Wolf's Bank. Borbach. Altenessen. Herbede. Hardenstein. Bochum. Zeche Hannibal. Mulheim, on Ruhr. Usine Simsk (Nichtni-Paroga). Ilmenau. Altenessen. Grube Zollverein. Lissitschinskaya. "		
Anodontopsis , M'Coy, 1852. subtruncatus, pristina,	M'Coy. L' M. & H. CL.	*		*													Millicent (Clare Co.). Lowick (dark limestone).	
Anthracomya , Salter, 1861. = Naiadites , Daveson. Adamsi, dolabrata, lævis, modiolaris, Phillipsii, pumila, radiata (<i>Naiadites</i>), sanguinolitaria, senex, subcentralis,	Salter. LCM., M. Sow. LCM., M. Salter. UCM. Sow. MCM., U. Williamson. LCM., M., U. Salter. MCM. " UCM. Salter, MS. LCM. " MCM. " MCM.	*		*	*	*	*	*	*	*	*	*	*	*	*		Oldham. Manchester. Shettleston. Carlisle. Oldham. Bolton-le-Moors. Ardwick. Bolton-le-Moors. Bolton-le-Moors. Bolton-le-Moors. Pendleton.	
Anthracopecten , Salter, 1861. Browniana, carbonaria, carinata, modiolaris, spec. indet., "	Salter. LCM., M., U. " Sow. LCM., M. " LCM., M., U. Salter. LLS. " L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*		Bargeddie. Shettleston. Shotts shale, &c. Bargeddie. Bunker's Hill. Oldham. Slateford. The Combes, Leek (Staffordshire). Brackish or freshwater.	
Anthracosia , King, 1844. abbreviata, acuta, angulata, Aquilina, atratus, batilliformis, bipennis, carbonaria, centralis, colliculus, compressa, concentrica, crassidens, cymbæformis, Dawsoni,	Cardinia. Unio. Goldf. UCM. Sow. M.Gt., LCM., U. MCM., L''' Sow. LCM., M., U. Goldf. MCM. ? Ludw. LCM. ? Salter. Schloth. UCM. Sow. MCM., U. Ryckh. UCM. Morris. Eichw. L' or L''' Ludw. LCM. ? " UCM. Brown. MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*		Mons. Liège. Charleroi. Squaretown. Wigan. Liège. Mons. Priorsfield. Goldsiteh. Visé. Liège. Shotts shale, &c. Bolton-le-Moors. Werden. Zeche Hannibal. Old Swinford. S. Staffordshire. Val Benoit (Liège). Mons. Kiesel. Airdrie. Bolton-le-Moors. Coal. Mons. Liège. [brookdale. New South Wales ? Sterlitamak. Zeche Hannibal. Hiddingshausen. In Possil limestone.	

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Anthrocomya , <i>Salter</i> . Naiadites , <i>Dawson</i> . <i>elongata</i> , Dawson. MCM. <i>spec. indet.</i> , Bailey & Matthew.														*	*	...	Joggins. Sydney.
Arca , <i>Linnaeus</i> , 1758. <i>arguta</i> ?, <i>carbonaria</i> , <i>cuspidata</i> , <i>Missouriensis</i> , <i>modesta</i> , <i>punctifer</i> , <i>spec. indet.</i> ,	Phill. Kinderh. Cox. UCM., UL. Swall. UCM. Shum. Kinderh. Winch. „ Dawson. L' Kinderh.			*		*		*		*							Leavensworth Landing. Hopkins Co. Burlingame. Cedar Co. Burlington. Windsor (bed A).
Astarte , <i>J. Sowerby</i> , 1816. <i>gibbosa</i> ,	M'Coy. UL.		*														Platte's mouth and River.
Astartella , <i>M. Chesney</i> <i>concentrica</i> , <i>Newberryi</i> , <i>varica</i> ,	M'Chesn. Meek. Kinder., M. Grit? M'Chesn. UCM.			*		*		*		*							Astarte . Charbonniere. Mercer Co. Newark. Springfield.

[illegible]

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
vera,	Hall.	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	St. Joseph. Blaylock Bridge. Jatan (Andrew Co.).
spec. indet.,	Cox.	LCM.	.....	.....	.....	.....	.....	.....	.....	*	*	.....	.....	.....	.....	.....	Posey Mine. Pike Co.
Axinus=Schizodus.																	
Cardiomorpha , De Koninck, 1847	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Cardiopsis.
Archiacianna, M. & W. ?	CL	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	Windsor. Putnam Co.
capuloides, Winch.	Kinderh.	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Grindst. Quarries, S. coast L. Huron.
Julia, Shum.	UCM.	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Napoleon Cut. Battle Creek.
Missouriensis, Winch.	Kinderh.	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	South Blackbird. Charbonniere.
modiolaris, Hall.	"	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Columbia. Jackson. Moscow. Battle [Creek.
ovata, C. A. White.	"	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Burlington.
parvirostris, Hall.	"	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	"
rhomboidea, Meek.	"	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	Rushville. Waverley.
subglobosa, Shum.	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Cedar County.
sulcata, Swall.	Kinderh.	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chouteau limestoue. Cooper Co.
? triangulata, Winch.	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
trigonalis, Hartt.	L' L''	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	*	.....	Windsor limestones.
Vindobonensis, 1861	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Cardiomorpha , De Koninck.
Cardiopsis , Meek and Worthen,	1861	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Cardiomorpha , De Koninck.
crenistriata, Winch.	Kinderh.	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Columbia. Jackson Co.
jejuna, "	"	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Railroad at Napoleon.
megambonata, "	"	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Grindstone Quarries (L. Huron).
radiata, M. & W.	"	.....	.....	.....	.....	.....	.....	*	*	.....	.....	.....	.....	.....	.....	.....	Grafton. Jersey Co. Rockford.
Cardium , Linnaeus, 1758.																	
Lexingtonense, Swall.	MCM.	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lexington.
Napoleonense, Winch.	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Marshall. Battle Creek.
Chænocardia , Meek and Worthen, 1869.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
ovata, M. & W.	LCM.	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	West Pecan Creek. Grundy Co.
Chænomya , Meek, 1865	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Anthracomya. Allorisma?
Cooperi, M. & H.	UCM.	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Helena.
hybrida, M. & W.	L'	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	Nauvoo.
Leavensworthensis, "	UCM.	.....	.....	*	*	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	Savanna (Missouri).
Minnehaha, ?	MCM.	.....	.....	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	" Andrew Co. St. Joseph.
rhomboidea, M. & W.	L''	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	Alton.
Clidophorus , Hall, 1847	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Cucullela , M. Coy. Pleurophorus.
Leavensworthensis, M. & W.	UCM.	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leavensworth City or Landing.
occidentalis, M. & H.	UCM.	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
quadricostatus, Dawson.	L' & L''	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Stewiacke River.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAL.	Locality.
rhomboidalis,	De Kon.	L'''				*												Visé.
socialis,	Eichw.	L'													*			Makovoie (Toula). Malowka.
stenosoma,	Ryckh.	L', L''				*												Tournai. Visé.
transversa,	D'Orb.	L'''				*												Visé.
visitensis,	Ryckh.	L'''				*												"
spec. indet.,	M'Coy.		*															"
Axinus. See Schizodus.																		
Cardiomorpha , <i>De Koninck</i> , 1843.																		
Archiacana,	De Kon.	L', L''	*		*													Tournai. Waulsort.
bicatenulata,	Ryckh.	L'			*													"
compressa,	M'Coy.	L', L''			*													" Waulsort.
corrugata,	"	L', L''			*	*												"
crassistria,	"	L'''			*													Visé.
cuneata,	"	L'			*													Famignoul.
distincta,	Eichw.	L' or L'''			*										*			Cosatschi-datschi.
Egertoni,	M'Coy.	LLS., L'	*		*													Waulsort.
elliptica,	De Kon.	L'''			*	*												Gare. Northumberland. Visé.
elongata,	"	L'''			*													Visé (North of Liège).
fragilis?	M'Coy.	L''			*													"
globosa,	Ryckh.	L'			*													Tournai.
ingens,	Keyserl.	L'			*													"
Kickiana,	Ryckh.	L'			*													Tournai (in clay).
Lacordairiana,	"	L'			*													"
lamellosa,	De Kon.	L', L'', L'''	*	*	*													Bourrock. Longnor. Lives(Namur).
laminata,	Phill.	L'', L'''			*													Staffordsh. Bolland. Waulsort.
livida,	De Kon.	L'''			*													Visé (Anthraxif. limestone).
lucinformis,	Phill.	L'''			*													"
Mosensis,	Ryckh.	L'''			*													"
nana,	De Kon.	L'''			*													"
oblonga,	Sow.	L', L'', L'''	*	*	*	*												Croag. Kildare. Craigenglen. Gare. Alstonfield. Visé.
orbicularis,	M'Coy.	L', L''			*	*												Derbyshire. Celle-veve.
orbitosa,	Ryckh.	L'			*													Tournai.
parvirostris?	Hall.																	"
prisca,	M'Coy.	L''	*		*													Waulsort.
pristina,	De Vern.	L'''			*													Chipping (Bolland). [sort.
Puzosiana,	De Kon.	L', L'', L'''			*	*												Robroyston. Gare. Tournai. Waul-
quadrata,	M'Coy.	L'''			*													Famignoul.
radiata,	De Kon.	L'''			*	*												Robroyston (only in Scotl.). Visé.
retrosecta,	Ryckh.	L'			*													Tournai.
scalaris,	"	L''			*													Waulsort.
sector,	"	L'			*													Tournai.
Selysianus,	"	L'			*													"
solida,	"	L'			*													"
striata,	De Kon.	L'', L'''			*	*	*	*							*			Durham. Staffordsh. Visé, Regnitz- losau. Cosatschi-datschi.
sulcata,	"	L', L''			*			*							*			Visé. Waulsort. Bochum. Co- satschi-datschi.
tenera,	"	L'''			*													Carluke. Visé.
undata,	"	L''			*													Waulsort.
Vesali,	Ryckh.	L''			*													"
spec. indet.,	Ether.	L'''			*													The Combes (Leek).
Cardium , <i>Linnæus</i> , 1758																		
alæforme,	De Kon.	L''			*	*									*			Conocardium , <i>De Koninck</i> .
exiguum,	Eichw.	L', L''			*	*									*			Ratingen. Botschatzkoyé.
rectangulare,	Ad. Röm.	LLS.									*							Bystritza (Novogorod). Podolsk Grund. [(Moscow).

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Clinopistha , <i>Meek and Worthen</i> , 1870.																	
radiata, var. <i>lævis</i> , M. & W.	LCM. (base)						*										Seaville. Fulton Co.
Conocardium , <i>Bronn</i> , 1835																	Pleurorhynchus , <i>Phillips</i> .
Acadianum, Hartt.	L'													*			Windsor.
? bovipedale, Winch.	Kinderh.					*											Marshall.
carinatum, Hall.	L''						*										Spergen Hill. Bloomington.
catostomum, "	L''						*										" Bloomington.
euneatum, "	L''						*										"
equilaterale, "	L''						*										"
Meekianum, "	L'' or L'''						*		*								Alton.
Napoleonense, Winch.	Kinderh.					*											Marshall.
obliquum, M. & W.	UCM.						*		*								River Wabash cut-off. Posey Co.
Prattenianum, Hall.	L''						*		*								Alton.
pulehellum, M. & W.	Kinderh.					*			*								Burlington. Newark.
Römingeri, Winch.	L'					*											
spec. indet., Hartt.	L''													*			Stewiacke River.
Ctenodonta , <i>Salter</i> , 1850																	Nucula , <i>Lamarck</i> , 1799.
																	Tellinomya , <i>Hall</i> .
																	Leda , <i>Schumacher</i> , 1817.
Altonensis, M'Chesn.	L'''						*										Alton. St. Louis.
arata, Hall.	LCM.			*													[Columbiana Co.
bellatula, Stevens.	Kinderh., MCM.			*		*	*	*	*								Battle Creek. Dix's Bank. Summit.
(Leda) bellistriata, C. A. White.	"			*		*	*	*	*								Burlington (yellow sandstone).
Barrisii, Shum.	UCM.		*	*	*		*										White Cloud.
Beyrichii, M. & W.	L'''						*										
curta, (dele), Shum.	CM.						*										Waterloo. Monro Co. Mercer Co.
cylindrica, Stevens.	L						*										Battle Creek. [Carnahan's coal.
dens-mammillata, M'Chesn.	MCM.						*		*								Wabash Riv., near New Harmony.
gibbosa, Stevens.	MCM.						*	*	*	*	*	*					Columbiana Co. Rush Creek.
Hammeri, Winch.	Kinderh.					*											Marshall.
? hians, "	L					*											Battle Creek.
Houghtoni, "	Kinderh., L			*		*			*								Napoleon Cut. Jackson Co.
Hubbardi, "	"			*		*			*								Moscow.
var. prolata, Cox.	"			*		*			*								Kurtz and Dix's Banks. Taftown.
inflata, W. & W.	Kinderh.			*		*			*								Burlington. Marshall. Battle Creek.
Iowensis, M'Chesn.	UCM.			*		*			*								Pope Creek. Knox Co.
Knoxensis, M. & W.	L'''					*			*								Waterloo. Monro Co.
(Yoldia?) levistriata, Winch.	Kinderh., L					*			*								Burlington.
mierodonta, Hall.	L''						*		*								Spergen Hill.
nasuta, Stevens.	L						*		*								Battle Creek.
nuculeiformis, M'Chesn.	CM.						*		*								Carnahan's Mine. Mercer Co.
obsoleta, "	LCM.						*		*								Rush Creek. New Harmony.
Oweni, Stevens.	L						*		*								Battle Creek.
pandoraformis, M'Chesn.	LCM.						*		*								Danville.
parva, "	UCM.						*		*								Pope's Creek. Knox Co.
polita, "	UCM.			*		*			*								New Harmony. River Wabash.
Rushensis, Winch.	Kinderh.			*		*			*								Burlington.
saccata, "	"			*		*			*								Battle Creek. Point aux Barques.
sectoralis, Hall.	L''			*		*			*								Spergen Hill. Bloomington.
Shumardiana, Winch.	Kinderh.			*		*			*								Napoleon Cut. Point aux Barques.
Stella, "	"			*		*			*								Huron Co. [River.
subscitula, Newb. & M.	UL		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Cottonwood Creek. Smoky Hill
ventricosa, Hall.	UCM.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	Nebraska City. Bussey's, Green, and Sullivan Cos.
spec. indet., C. A. White.					*												
" Cox.					*				*								

EUROPE, &c.															
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHINISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	LOCALITY.
Conocardium , <i>Bronn</i> , 1835 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pleurorhynchus , <i>Phill.</i> Cardium , <i>De Koninck</i> . [shire
armatum, <i>Phill.</i>	LLS., CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	Kildare, Capelrig. Carlisle, Stafford-
decussatum, <i>Ether., jun.</i>	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	Williamwood. Orchard (cement-st.).
elongatum, <i>Tate.</i>	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	Malahide. Durham. Bolland.
Footii, <i>CL.</i>	CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	
fusiforme, <i>M'Coy.</i>	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Malahide. Howth.
giganteum, <i>"</i>	LLS., L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Finnis (Bandoran). Waulsort.
Hibernicum, <i>Sow.</i>	L', L''', LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	Millicent. Kilfinnis. Mendip.
irregulare, <i>De Kon.</i>	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	Tournai. Visé. Ratingen.
Konincki, <i>Baily.</i>	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé (Vallée Sichen). Cresset.
minax, <i>Phill.</i>	LLS., L', L''' ..	*	*	*	*	*	*	*	*	*	*	*	*	*	Howth. Clitheroe.
															" Enniskillen. Bolland. Celle-
															veve. Cresset. Waulsort. Co-
															satschi-datschi.
nodulosum, <i>M'Coy.</i>	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	Mohill. Doohylebeg.
rostratum, <i>Martin.</i>	L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	Bakewell. Longnor. Bolland. Visé.
strangulatum, <i>De Kon.</i>	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé.
trigonale, <i>Phill.</i>	LLS., L', L''' ..	*	*	*	*	*	*	*	*	*	*	*	*	*	Carrick ma Cross. Bolland. Visé.
turdum, <i>Eichw.</i>	L', L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Borowitschi (Novog.). Mjatschkovo.
Uralicum, <i>De Vern.</i>	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	Cosatschi-datschi.
Corbis , <i>Cuvier</i> , 1817.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
cancellata, <i>M'Coy.</i>	LLS., L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Carrigaline.
Crenella , <i>Brown</i> , 1827.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
acutirostris, <i>M'Coy.</i>	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	
*Ctenodonta , <i>Salter</i> , 1850 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Nucula , <i>Lamarck</i> , 1799. Leda , <i>Schumacher</i> , 1817, pars <i>Ryckholt</i> .
accipiens, <i>Sow.</i>	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	Coalbrookdale. Shropshire.
acuta, <i>"</i>	L''' , LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	High Dyke. Gare. Orchard.
æqualis, <i>"</i>	M. Grit, LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	Durham, &c.
attenuata, <i>Flem.</i>	LLS., L', L'', L''' ..	*	*	*	*	*	*	*	*	*	*	*	*	*	Bundoran. Craigenglen. Montrad-
															ding. Bolland. Auchy aux Bois.
															King's Pit.
birostrata, <i>M'Coy.</i>	LLS., L', L''' ..	*	*	*	*	*	*	*	*	*	*	*	*	*	Drumquin. Charleston. Calderwater.
brevirostris, <i>Phill.</i>	LLS., L', L''' ..	*	*	*	*	*	*	*	*	*	*	*	*	*	Harelaw. Thornton Common.
carbonaria, <i>Eichw.</i>	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	Rivers Don and Lissitschinskaya.
cardiiformis, <i>"</i>	L', L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Peredki. Valdai Hills. Cosatschi-
															datschi.
carinata, <i>M'Coy.</i>	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	Lisnapaste.
clavata, <i>"</i>	LLS., L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	Ballintra. Auchinbeg. Glasgow.
claviformis, <i>Phill.</i>	L', L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Otterburn. Harelaw. Bolland.
colliculus, <i>Ryckh.</i>	L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	Friable limestone at Visé.
cuneata, <i>Phill.</i>	L', L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Bolland. Staffordshire. Tournai.
cylindrica, <i>M'Coy.</i>	LLS., L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Bundoran.
delta, <i>"</i>	CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	
exigua, <i>Eichw.</i>	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Sloboda (Gov. Toula).
gibbosa, <i>Fleming</i>	L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	Kulkeah. Coonhola. Gare. Con-
															gleton. Durham. Hohenlohe-
															butte.
intermedia, <i>Ether., jun.</i>	L''' , LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	Orchard (Sandyholm). Robroyston.
lævirostrum, <i>Portl.</i>	L', L', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	Armagh. Gare. Teiglam. Fiddler's
															Burn. [house.
leiorhyncha, <i>M'Coy.</i>	LLS., L', L''' ..	*	*	*	*	*	*	*	*	*	*	*	*	*	Larganmore. Fiddler's Burn. Wester-
lineata, <i>Phill.</i>	L', L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Gare. Fullwood. Malowka.
longirostris, <i>"</i>	LLS., L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	Thornton. Gare (shale on Hosié 1st.).
luciniiformis, <i>"</i>	L', L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Bolland. Tournai.
oblonga, <i>M'Coy.</i>	LLS., L', L''' ..	*	*	*	*	*	*	*	*	*	*	*	*	*	Monaduff. Beith. Orchard. Gare.
palmae, <i>Sow.</i>	L', L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Gare. Rae's Gill. Castleton (Derbys.).
parvunculus, <i>Keyserl.</i>	.....	*	*	*	*	*	*	*	*	*	*	*	*	*	Petschora-land.
Phillipsii, <i>Ryckh.</i>	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Tournai.
rectangularis, <i>"</i>	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	Lisnapaste (Ballintra).
regularis, <i>Keyserl.</i>	CL.	*	*	*	*	*	*	*	*	*	*	*	*	*	Petschora-land ?
St. Adeline, <i>Ryckh.</i>	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé.
sinuosa, <i>"</i>	L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Tournai (in clay).
Stella, <i>M'Coy.</i>	LLS., L'	*	*	*	*	*	*	*	*	*	*	*	*	*	Dromard (Draperstown).

* This genus in British Carboniferous rocks is still not fully admitted.

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Cucullæa , <i>Lamarck</i> , 1817..... alpina, Hall.	LCM.					*											Dolabra , <i>M'Coy</i> , 1844.
Cypricardella , <i>Hall</i> , 1856. Barquensis, Winch. nucleata, " L" oblonga, " L" plicata, Hall?, Winch. L" quadrata, W. & W. L subelliptica, Winch. L"	Kinderh. L" L" L" L L"						*		*	*	*	*	*	*	*	*	Marshall. Spergen Hill. Bloomington. Burlington. Spergen Hill.
Cypricardia , <i>Lamarck</i> , 1817. ? Chouteauensis, contracta, Hall. Indianensis, " L", L" insecta, Dawson. L" ? occidentalis, Swall. LCM. ? Pikensis, " LCM. ? plicatula, " LCM., M. rigida, W. & W. ? Shumardiana, Swall. L" subplana, Hall. L" ? Wheeleri, Swall. UCM.	Kinderh. " L", L" L" LCM. LCM. LCM., M. L" L" UCM.				*		*		*	*	*	*	*	*	*	Cooper Co. Chatauque Co. Alton. Bloomington. Spergen Hill. Windsor (bed A). Harrison Co. Pike Co. Howard and Platte Cos. Newark. Prairie des Rochers. Spergen Hill. Caldwell Co.	
Cypricardina , <i>Meek</i> , 1871. carbonaria, Meek. indenta, Hall.	LCM. L					*		*	*	*	*	*	*	*	*	*	Newark. Burlington. Richfield. Summit Co.
Dawsonella?																	
Dexiobia , <i>Winchell</i> , 1863. Halli, Winch. Whitei, " "	Kinderh. "					*		*	*	*	*	*	*	*	*	*	Burlington (yellow sandstone). " "

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
undulata,	Sandbr.	L'''			*													Bolland.
unilateralis,	M'Coy.	LLS., L', L'''	*	*	*													Lisnapaste. Doorin. Climpsy.
Wymmensis,	Keyserl.														*			High Blantyre.
																		Petschora-land.
Cucullæa , Lamarck, 1817.	Dolabra , M'Coy, 1844																	Fam. ARCIDÆ.
æquilateralis,	M'Coy.	LLS., L'	*		*													Doorin (Donegal). Tournai.
arguta,	Phill.	L'''			*													Bolland.
Cantraineana,	Ryckh.	L'			*													Tournai.
corrugata,	M'Coy.	CL	*															
elliptica,	"	LLS., CL	*															
gregaria,	"	LLS., CL	*															Mullaghtinny.
Haimeana,	De Kon.		*															
Hardingii,	Baily.		*															Ballea (River Owenboy).
var. amygdalina,	"		*															"
" trapezium,	"		*															"
laciniosa,	MCM. ?							*										Altenessen.
Maccoyana,	De Kon.				*													Staffordshire.
obtusa,	Phill.	L', L'''	*		*													Dunsink. Bolland.
orbicularis,	M'Coy.	LLS., L'	*															
rectangularis,	"	L''	*															Bundoran.
securiformis,	"	LLS., L'	*	*	*	*												Rahan's Bay. Gateside (Beith).
tenuistriata,	"	LLS.	*															Ballybodenell.
Traquairii,	Ether., jun.	LLS.	*		*													Strathkinness (Fife Co.).
spec. indet.,	Trautsholt.	L''													*			Govt. Moscow.
Curtonotus , Salter, 1863.																		
centralis,	Salter.	LLS.	*															Cork. Dunworley Bay.
elegans,	"	LLS.	*															Ballea. Co. Cork. Ardroom, &c.
var. elongatus,	"	LLS.	*															Old Head of Kinsale. Dunworley Bay.
" rotundatus,	"	LLS., Sandstone	*															Argroom. Co. Cork.
Cyclas , Bruguière, 1792.																		[rein].
anthracina (Cyrena),	Ludwig.	L''						*										Bochum. Altenessen (Grube Zollve-
elegans ("),	"	L''						*										Altenessen in black band.
extenta ("),	"	L''						*										" Grube Altenessen.
nana,	De Kon.												*					Manneback.
obuncula,	Ludwig.	L''											*	*				Ilinsk. Kine (Govt. Perm).
rostrata,	"	CM.						*										Altenessen in black band.
Cypicardia , Lamarck, 1817. (Marine.)																		
acuticarinata,	Armstr.	L', L'', L'''	*															Robroyston. Gare. Orchard.
bipartita,	De Kon.	L'''	*		*													Visé.
cingulata,	M'Coy.	L'', LCM.	*	*	*	*	*											Waulsort. Visé. Ratingen.
concinna,	"	LLS., L'	*	*	*	*	*											Cullion. Corrieburn.
crebricostata,	Armstr.	L'	*		*													Robroyston. Gare, &c.
cuneata,	M'Coy.	LLS.?, L'''	*		*													Black Lion Mountain.
cylindrica,	"	LLS.	*	*	*	*												Araglin Bridge. Corrieburn.
elliptica,	Phill.	L'	*	*	*	*												Famignoul.
glabrata,	"	L', L'''	*	*	*	*								*				Craigenglen. Bolland. Famignoul.
globosa,	"	L'''	*	*	*	*								*				Visé.
lanceolata,	"		*	*	*	*								*				
Lyelliana,	Ryckholt.	L'	*		*													Famignoul.
modiolaris,	M'Coy.	LLS., CL	*		*													[ironstone.
oblonga,	"	LLS., CL	*	*	*	*												Araglin Bridge. Carluke (Lingula
parallela,	Phill.	L'''	*		*	*												Bolland. Famignoul.
parvula,	De Kon.	L'''	*		*	*												Visé.
prosceta?,	Phill.	L'	*		*	*												Famignoul.
quadrata,	M'Coy.	LLS., CL	*		*	*												Araglin Bridge.
rectangularis,	D'Orb.		*		*	*	*											Craigend Hill.
rhombica,	Phill.	L', L'''	*	*	*	*	*	*	*					*				Craigenglen. Craigend Hill. Bolland.
																		Visé. Cosatschi-datschi.
Selysiana,	De Kon.	L'''	*		*	*	*	*	*					*				Visé.
sinuata,	D'Orb.	L'	*		*	*	*	*	*					*				Araglin Bridge. Famignoul.
socialis,	M'Coy.		*		*	*	*	*	*					*				
squamifera,	D'Orb.	L', L'', CM.	*	*	*	*	*	*	*					*				Visé. Waulsort. Sprockhovel.
striatolamellosa,	De Kon.	L', L'''	*	*	*	*	*	*	*					*				Craigenglen. Visé.
transversa,	"	L'	*		*	*	*	*	*					*				Tournai.
trapezoidalis,	D'Orb.	L', L'''	*		*	*	*	*	*					*				Visé.
tumida,	M'Coy.		*	*	*	*	*	*	*					*				Kulkeagh. Millwell. Gare. Bolland.
Donax? , Linnaeus, 1758.																		
? primigenius,	M'Coy.	L'''	*		*	*	*	*	*					*				Pelletstown.

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Edmondia , <i>De Koninck</i> , 1844.											
æquimarginalis, Winch. Millst. Grit										*	Panama. New York.
anomala, Dawson. L'										*	Windsor.
Aspinwalli, Meek. UCM.			*								Aspinwall.
? bicarinata, Winch. L'										*	Panama. Chataque Co. S. New York.
bi-numbonata, " Millst. Grit ..						*					Marshall Group.
Burlingtonensis, W. & W. " ..					*			*			Burlington. Orange Centre.
Calhouni, Meek & Hayd. UL.		*									Smoky Hill River.
concentrica, M'Chesn. LCM., U.			*			*	*				Charbonniere. Mercer Co. Big Creek.
contracta, Winch. L'				*							Burlington.
depressa, Hall. Kinderh.					*			*			Greenville.
elliptica, Winch. " ..					*						Burlington (yellow sandst.).
gibbosa (Astarte), M'Coy. UCM.				*							
glabra, Meek. CM.			*								
Harttii, Dawson. LCM.										*	Windsor.
Hawnii, Swall. UCM.		*	*	*							Holt's Co. Sac & Fox Agency House.
Marionensis, " Kinderh.			*	*							Cooper's Co. (Chouteau limestone).
Nebraskensis, Geinitz. UCM.			*	*							Holt and Nodoway Cos.
nitida, Winch. Kinderh.				*							Burlington? (yellow sandst.).
nuptialis, " " ..				*							" "
peroblonga?, M. & W. UCM.						*					Lasalle Co. (in siliceous limestone).
reflexa, Meek. CM.			*	*							Kansas City. Clay Co.
strigillata, Winch. Kinderh.				*							Burlington (in yellow sandst.).
subtruncata, Meek. UCM.			*	*							Atchison Co., &c.
tapesiformis, " Kinderh.					*			*			Richfield. Summit Co.
unioniformis, Phill. UCM.				*		*					Waldron.
spec. indet., C. A. White. MCM.				*							
Entolium , <i>Meek</i> .											
aviculatum, Meek. LCM.		*	*	*	*	*		*			Barton and Bates Cos.
Shumardianum, Winch. UL?			*	*				*			Richmond Lodge.
Grammysia , <i>De Verneuil</i> , 1847.											
Hannibalensis, Shum. L'			*	*	*	*	*	*			Hannibal, Burlington, Medina, &c.
rhomboides, Meek. Kinderh.								*			Rushville. Newark.
ventricosa, " " ..								*			"
Isocardia , <i>Lamarck</i> , 1817.											
? curta, Shum. UCM.			*	*							Charbonniere (St. Louis Co.).
Jennæ, Winch. Kinderh.				*							Burlington.
spec. indet., Swall. " ..				*							
Leptodomus , <i>M'Coy</i> , 1852.											
concaus, Meek. UCM.?		*	*	*	*						Fort Kearney, &c.
granosus, Shum. UCM.		*	*	*	*						Verdigris valley.
Topekaensis, " UCM.		*	*	*	*						Missouri-river Bluffs.
Lithophaga? , <i>Bolten</i> , 1798. Lithodomus , <i>Cuvier</i> .											
pertenuis, M. & W. L'						*					Warsaw.
Lyonsia , <i>Turton</i> , 1822.											
spec. indet., Swall. Kinderh.			*								
Modiola , <i>Lamarck</i> , 1801.											
Avonia, Dawson. L'										*	Windsor (bed D).
minor, I. Lea. " ..										*	Wilkesbarre.
pertenuis, M. & W. L'						*					Warsaw.

EUROPE, &c.																			
Genus, Species, and Author.			Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Dreissenia , <i>Van Beneden</i> , 1834...																			MYTILIDÆ.
dilatata,	Ludwig.	CM.								*	*								Altenessen (black band).
Feldmanni,	"	CM.								*	*								" "
inflata,	"	CM.								*	*								" "
laciniosa,	"	CM.								*	*								" "
Edmondia , <i>De Koninck</i> , 1844 (Marine).																			
arcuata,	L'				*														Longnor. Parkhill. Northumberland.
? compressa,	M'Coy.	L'		*	*														Cork. Isle of Man. Fiddler's Burn.
elegans,	"	LLS.		*	*														
gibbosa,	"	LLS., L'''		*	*														Robroyston. Gare.
gregaria,	"	LLS., L'''		*	*														
Josepha,	De Kon.	L', L'', L'''			*	*	*												Lowick. Bolland. Waulsort. Visé.
maxima,	Phill.	L''			*	*	*												Longnor. Pilsbury.
oblonga,	M'Coy.	LLS., L'		*	*	*													Cappagh. Langside shale. Lowick.
obsoleta,	"	L'		*															[&c.]
orbicularis,	"	CL.			*	*													Twiston (Burnley).
prisca,	"	LLS., L'		*	*														Black Lion Mountains. Doohylebeg. Carluke.
quadrata?	De Kon., M'Coy.	LLS., L'		*	*														Michelstown. Sculliongow. Gillfoot.
rudis,	"	L'		*	*	*													Burn Anne. Corrieburn. Lowick. &c.
scalaris,	"	L'			*	*	*												Beith. Langside. Campbelltown. Lo-
squamifera,	Phill.	L''			*	*	*												Parkhill. Longnor. [wick.]
sulcata,	"	LLS., L', L'', L''', LCM.		*	*	*	*												Blossom Hill. Astogob. St. Monan's (Fife).
tenuistriata,	M'Coy.	LLS., L'		*	*														
uniformis,	Phill.	L', L'', L'''		*	*	*	*									*			Ballingarrana. Craigenglen. Berwickshire. Alstonfield. Visé.
																			River Soiva.
Gastrochæna , <i>Spengler</i> , 1783.																			
antiquissima,	Spengler.	L'''														*			Mjatschkovo, near Moscow.
Grammysia , <i>De Verneuil</i> , 1837.																			
—?,	F. Röm.	L'					*		*										Cotentin. Perques. Montigny. Alt-wasser.
Isocardia , <i>Lamarck</i> , 1817.																			
deperdita,	Ryckh.	L'''				*													Visé.
ovata,	De Kon.	L'''				*													"
pumila,	Ryckh.	L', L'''				*													" Waulsort.
Leptodomus , <i>M'Coy</i> , 1852, = Corbula .																			Sedgwickia . Fam. ANATINIDÆ.
clavatus?	Ether., jun.	L'		*															Craigleith. Woodhall (Edinburgh).
costellatus,	M'Coy.	L', L'', L'''		*	*														Hamilton. Thorn Farm. Carluke.
																			Gare.
fragilis,	"	L', L'''		*	*														Malahide. Carluke. Kilbride.
senilis,	"			*	*					*									Gleibe Quarry.
Lithodomus , <i>Cuvier</i> , 1817.																			Drumcondra. Bolland.
Jenkinsoni,	M'Coy.	L'		*	*	*													Lowick (Northumberl.). Carluke.
spec. indet.,	Bail.			*															
Lucina , <i>Bruguère</i> , 1792. Fam. LUCINIDÆ.																			
antiqua,	M'Coy.	Calp., L'''		*															Ballinlirlick.
Du Noyeri,	Portl.	L''?		*															Tyrone.
Egertoni,	"	?					*												
spec. indet.,	De Vern.					*													Fiennes (Boulonnais).
Lutraria , <i>Lamarck</i> , 1817. Fam. MARTINIDÆ.																			
elongata,	M'Coy.	LLS.		*	*														Knock Hill (East Scotland).
primæva,	Portl.			*															Carnteel.
Mactra , <i>Linneus</i> , 1758. Fam. MACTRIDÆ.																			
incrassata,	M'Coy.	L'		*	*														Kilmallock. Craigenglen.
ovata,	"	LLS., CL.		*															Killala.
Megadesma , <i>J. de Carle Sowerby</i> , 1838																			See Pachydromus .
Modiola , <i>Lamarck</i> , 1801.																			
Carlotta,	F. Röm.	CM.								*									
caudata,	Brown.	LCM.			*														Wakefield (shale).
concinna,	M'Coy.	LLS., L'		*															Killeshandra (shale).

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Pooli, Wyomingensis,	Dawson. I. Lea.	L', L'' (beds a, b, c) LCM.	...	...	...	...	...	...	...	...	...	...	...	...	*	*	...	Shubenacadie. Irish Cove. Wilkesbarre.
Modiomorpha , Hall, 1869.																		
amygdalina, hyalæa,	Winch. Hall.	L Kinderh.	...	...	...	...	*	...	...	...	*	...	...	...	...	...	...	Burlington. Licking Co.
Myalina , De Koninck, 1844.																		
angulata, aviculoides, concentrica, imbricaria, Kansasensis, Lowensis, meliniformis, Michiganensis, perattenuata, pernaformis, pterinaformis, rara, recta (also Permian), recurvirostris, San Ludovici, squamosa, subquadrata,	M. & W. Winch. M. & W. Winch. ? B. F. Shum. Winch. N. & W. Winch. M. & H. Cox. Winch. " " Hawn. M. & W. W. & N. ? Hayden. Shum.	L'' Kinderh. L'' LLS. UCM. L (base) UCM. Kinderh. MCM., U. UCM. Kinderh. " " UCM. N. ? UCM. UCM. L', UL	...	...	...	...	*	...	...	...	...	...	...	...	...	...	...	Chester. Gravel Creek. Marshall. Moscow. Spargen Hill. Moscow (Hillsdale Co.). Larry Creek. Burlington. Gallatin Co. Napoleon Cut. Moscow. Smoky Hill Riv. Cottonwood Crk. Providence (Hopkins Co.). Burlington. Point aux Barques. South Michigan. Clifton Park. Springfield. Jasper Co. Kansas Falls. Fort Riley. Lincoln Crk. Andrews Co. Verdigris valley. Nebraska city. Larry Co.
Swallovi,	M ^c Chesn.	LCM., M., U.	...	*	*	*	*	...	...	...	...	*	...	...	...	...	...	Howard Co. Charbonniere. Lecompton. Litt. Whitebreast. Richmond.
spec. indet. (2),		Kinderh.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Mytilarca , Hall, 1869.																		
occidentalis,	W. & W.	Kinderh.	...	...	...	...	*	...	...	...	...	...	...	...	...	...	...	Burlington.
Mytilus , Linnæus, 1758.																		
elongatus, fibristriatus, Ottawaensis, rectus, tenuiradiatus, Whitfieldianus,	Shum. W. & W. Shum. " " Winch.	Kinderh. " UCM. UCM. UCM. Kinderh.	...	...	...	*	...	*	...	...	...	...	...	...	...	...	...	Chouteau Springs. Lamine. Burlington (yellow sandstone). Verdigris valley. " " Burlington, Marshall, &c.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAL.	Locality.
divisa,	M'Coy.	LLS., L'	*	*														Larganmore, Craigenglen, &c.
elongata,	Phill.	L', L'''	*	*	*													Corrieburn (limest. &c.). Staffordsh. Bolland.
granulosa,	"	L'''		*														Northumberland. Bolland.
Kahlebergensis?	Ad. Röm.									*								Kahleberg.
lingualis,	Phill.	LLS., L', L'''	*	*	*													Bruckless. Craigenglen. Castleton.
lithodomoides,	Ether., jun.		*	*	*													Beith. Glenlora. Longnor.
Macadami,	Portl.	LLS., L'	*	*														Ballea. Derry. Craigenglen ironst.
var. angusta,	"	LCM.	*															Hollywood. Belfast.
" elongata,	"	L'	*															"
" lata,	"	L'	*															Ballynascreen. Derry. Tyrone.
megaloba,	M'Coy.	LLS., L'	*	*														Ardshenkill. Craigenglen.
obtusa,	"	CL.	*															
patula,	"	CL.	*															
producta,	Brown.	LCM.		*														Wakefield.
Robertsoni,	"	LCM.		*														Newcastle.
rugosa,	M'Coy.	CL.	*															
semisulcata?	Phill.		*	*														Girvan. Beith (Silurian?).
squamifera,	"	L'''		*														Bolland.
subparallelata,	Portl.	LLS., L'	*	*														Ballynascreen.
subtruncata,	Brown.	M. Grit, LCM.	*	*														Wakefield.
Modiolopsis, Hall, 1847.	Mytilus.																	
conspicua,	Eichw.	L'''													*			Cosatschi-datschi.
Labesconti,	Edgell.			*														Budleigh-Salterton (Devonshire).
Pallassii,	De Vern.	L'''													*			Cosatschi-datschi.
tenera,	Eichw.	L', L'''													*			Lissitschinskaya (Donetz).
tenuissima,	"	L', L'''													*			" "
Teploffii,	De Vern.	L', L'''													*			" "
Myalina, De Koninck, 1844.																		
anella?																		
carinata,	Sow.	L', LCM., M.	*	*														Lugton Water. Coalbrookd. S. Staffs.
crassa,	Flem.	L'	*	*														Corrieburn (ironst. shales). Beith.
Goldfussiana,	De Kon.	L', L'', LCM.	*	*	*													Carluke. Visé.
gryphus,	Portl.	L'	*	*														Derryloran. Staffordshire.
lamellosa,	De Kon.	L', L', L'''	*	*	*													Polbath Burn. Longnor. Visé.
modiolaris,	Sow.	LCM., M.	*	*														Black-band ironstone (Dalry).
quadrata,	"	L', LCM., U.	*	*	*													Quarter Pits (Hamilton). Park Hill.
triangularis,	"	L', LCM.	*	*														Leighton Water. Polbath Burn.
trigonalis,	Ether., jun.	LLS.	*	*														Cockburn path (Berwickshire).
Verneuilii,	M'Coy.	L', L'	*	*														Auchinbeg. Sculliongowr. Craigen-
virgula,	De Kon.		*	*														Visé. [glen and in Yorksh.
species (oval),	Salter?	LLS.	*	*														Clubbidean Aberdowry.
Mytilus, Linnaeus, 1758.																		
ampellicola,	Ryckh.	LCM.		*														Liège. Chokier.
amplatus,	"	L'''		*														Visé.
apicrassus,	"	L'''		*														" (in friable limestone).
cestinotus,	"	L'''		*														"
comptus,	M'Coy.	LLS., L'''	*	*														Tobercurry. Auchinbeg.
Cordolianus,	Ryckh.	L'	*	*														Craev-cœur (Antoing).
crassus,	Flem.		*	*														Cult Hills (Fife Co.).
dactyloides,	De Kon.		*	*														Waulsort.
fabalis,	Ryckh.	L'	*	*														Tournai (in clay).
Flemingii,	M'Coy.	L', LCM.	*	*														"
Fontenaganus,	Ryckh.	L'	*	*														Antoing. Tournai.
fragilis,	Eichw.	MCM., U.	*	*											*			Rivers Don and Lissitschinskaya.
Geinitzianus,	?	L'	*	*														Tournai (in clay).
Goldfussianus,	De Kon.	L'''	*	*														Visé.
granulosus,	Phill.	L'	*	*														Waulsort.
Hausmanni,	Keyserl.		*	*											*			Petschora-land.

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality
Naiadites , Dawson (provisionally), 1860.																	
angulata, Dawson.	LCM.												*				Parrsborough.
arenacea, "	UCM.												*				Pictou.
(Anthrocoptera) laevis, "	MCM.												*				Joggins.
obtusa, "	LCM.												*				M ^c Callan's brook (Pictou).
ovalis, "	LCM.												*				Joggins.
Nucula , Lamarck, 1799. = Ctenodonta .																	
Nuculana , Link, 1807. See Ctenodonta .																	
arata (Leda), M. & W.	L"						*										St.-Louis limestone.
bellistriata, var. attenuata, UCM.			*	*													Holt and Gallatin Cos. Honey Crk.
Orthonota , Conrad, 1838.																	
nitida, Winch.	Kinderh.					*											Burlington.
Phaselia, "	"					*											"
rectidorsalis, "	"					*											Moscow (Hillsdale Co.).
rhomboidalis, "	"					*											
ventricosa, C. A. White.	"					*											Burlington (yellow sandstone).
Palæaneilo , Hall. <i>Nuculites</i> in part (Conrad).																	
attenuata, Hall.	Kinderh.								*								Granville. Newark.
Barrisi, W. & W.	"								*								"
Bedfordensis, Meek.	"								*								Bedford.
Panopæa , Ménéard de la Groye, 1807.																	
Cooperi, M. & H.	UCM.		*														
Pholadella , Hall, 1869.																	
cuneata, ?	Kinderh.				*												Burlington (yellow sandstone).
Newberryi, Hall.	"								*								Licking Co.
Pleurophorus , King, 1844.																	
? angulatus, M. & W.	L"?			*			*										Wyoming Town. Wabash cut-off [(New Harmony).
costatiformis, "	L'						*										Warsaw (Keokuk limestone).
oblongus, Meek.	UCM.			*													Nebraska city.
occidentalis, M. & H.	UCM.			*			*										Otoe city. Fort Kearney.
quadricostatus, Dawson.	L"												*				Stewiacke (bed c).
subcostatus, M. & W.	UCM.						*										Saline Creek (Gallatin Co.).
? subcuneatus, M. & H.	UCM.			*													Smoky-Hill River.
subellipticus, CM.			*	*													
tropidophorus, Meek.	Kinderh.								*								Newark.
Prothyris , Meek, 1869.																	
elegans, Meek.	LCM., M., U.		*														Nebraska city.
Meekii, Winch.									*								Rushville.
Sanguinolites , M ^c Coy, 1844. Sanguinolaria .																	
amygdalinus, Winch.	Kinderh.					*											Burlington (yellow sandstone).
Andrewsi (Promacus), Meek.	"								*								Seiotoville.
borealis, Winch.	"					*											Grindstone Quarries, &c.
Chouteauensis, Swall.	"		*	?	*												Chouteau Springs.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
inconspicua,	Ad. Röm.	L'?			*						*							Castleton.
Koninckianus,	Ryckh.	L'''			*						*							Visé.
lamellosus,	De Kon.	L'''			*						*							"
ligonula,	Ryckh.	L'			*						*							Tournai (in clay).
lividus,	De Kon.	L'''			*						*							Visé.
lunulatus,	Ryckh.	L'''			*						*							"
Macadami,	"	L'''			*						*							"
Mariæ,	"	L'			*						*							Tournai.
Mosensis,	"	L'''			*						*							Visé.
Omaliusianus,	"	L'''			*						*							"
palmatus,	"	L'''			*						*							"
pernellus,	"	L'''			*						*							"
præpes,	UCM.				*						*							Mons.
pygmæus,	Goldf.	L'?			*			*			*							Ratingen.
radiatus,	De Kon.	L'''			*						*							Visé.
retroceus,	Ryckh.	L'''			*	*					*							"
seniper,	Eichw.	L'''			*						*				*			Sterlitamak.
tenerus,	De Kon.	L', L'''			*						*				*			Waulsort. Visé.
Tollieianus,	Ryckh.	UCM.			*						*							Mons (in coal-schist).
triangularis,	Sow.	LCM.?			*						*							Coalbrookdale. Shropshire.
virgula,	De Kon.	L'''			*						*							Visé.
Wesemactianus,	Ryckh.	UCM.			*						*							Mons.
Niobe†, L. G. de Koninck, 1871.	Axinus, M'Coy				*						*							Amphidesma, Portlock.
fragilis,	M'Coy.	L'			*						*							Waulsort.
nuculoides,	"	LLS.orPass.-bed	*		*						*							Dromard.
obliqua,	"	L''			*						*							Waulsort.
subtruncata,	"	L''			*						*							"
Nucula, Lamarck, 1799.	See Ctenodonta.				*						*							
Omalia, Van Beneden and Coeymans, 1867.					*						*							
bistriata,	Ryckh.	L'			*						*							Tournai.
Ostræa, Lister, 1686.					*						*							
nobilissima,	De Kon.	L'''			*						*							Visé.
Pandora, Lamarck, 1799.					*						*							
? clavata,	M'Coy.	LLS.	*		*						*							Tobereurry.
Panopæa, Ménard de la Groye, 1807.					*						*							
Coyana,	Ryckh.	L'			*						*							Tournai.
gravida,	"	L'			*						*							"
Pholadomya?, J. Sowerby, 1826					*						*							See Sanguinolites.
connivens,	Eichw.	L''			*						*			*	*			Mjatschkovo. Cosatschi-datschi.
maxima,	Ryckh.	L'			*						*							Tournai.
Omaliana,	De Kon.	L', L''			*						*							" (in clay). Waulsort.
regularis,	D'Orb.	L'			*						*				*			Stobolinskoi (Valdai), Sloboda, &c.
sulcata,	Ryckh.	L'			*						*							Tournai.
transversa,	"	L'			*						*							Famignoul.
Pleurophorus, King, 1844.= Clidophorus, Hal l.					*						*							
costatus,	Brown.	LCM.			*						*							Park Hill. Longnor.
uniplicatus,	Ryckh.				*						*							?
Pleurorhynchus, Phillips.= Conocardium.					*						*							
Pullastra, G. B. Sowerby, 1827.					*						*							
bistriata,	Portl.	LLS., L', L''	*		*						*							Powlsadden, Benburb, Malahide, Park Hill, &c.
elegans,	M'Coy.				*						*							Twiston. Northumberland.
elliptica,	"				*						*							Lisnapaste (Ballintra).
ovalis,	"	LLS., CL.	*		*						*							
Sanguinolites, M'Coy, 1844.					*						*							Sanguinolaria, Lamarck, 1779.
angustatus,	Phill.	LLS., L', L'''			*						*				*			Staffordsh. Bolland. Valdai Hills.
arcuatus,	"	LLS.	*		*						*				*			Enniskillen. Stafford. Harelaw.
attenuatus,	Portl.	L'	*		*						*				*			Tyrone. Tinneycahill. [Numberl.
contortus,	M'Coy.	L'	*		*						*				*			Kilmallock.
Hibernicus,	Sow.		*		*						*				*			Rathkeale. Co. Limerick. Bolland.

† A name preoccupied, and to be changed.

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
concentricus,	Winch.	Kinderh.					*	*										Alan's Quarries (Hillsdale Co.).
cylindricus,	"	"					*	*										Burlington (yellow sandstone).
flavius,	Hall.	"					*	*										Licking Co.
Iowensis,	Winch.	"					*	*										Burlington.
? jejunus,	"	"					*	*										"
leptogaster,	"	"					*	*										"
Marshallensis,	"	"					*	*			*							Marshall. Sciotoville.
Missouriensis,	Swall. MS.	"			*		*	*			*							Hillsdale. Newark. Granville.
naiadiformis,	Winch.	"					*	*			*							
nasutus,	Meek.	"			*		*	*			*							Rushville. Newark (Up. Wav. s.st.).
obliquus,	"	"					*	*			*							Medina.
Ceolus,	Hall.	"					*	*			*							New-York State (South).
rhombea,	"	?					*	*			*							Burlington (yellow sandstone).
rigidus,	W. & W.	Kinderh.			*		*	*			*							Battle Creek.
rostratus,	Winch.	"					*	*			*							Marshall (yellow sandstone).
sectoralis,	"	"					*	*			*							Newark.
securis,	"	"					*	*			*							Marshall.
septentrionalis,	"	"					*	*			*							Napoleon Cut.
similis,	"	"					*	*			*							Point aux Barques (Huron Co.).
strigatus,	"	"					*	*			*							Burlington.
sulciferus,	"	"					*	*			*							Moscow (Hillsdale Co.).
unioniformis,	"	"					*	*			*							Licking Co.
valvulus,	Hall.	"					*	*			*							
Schizodus, King, 1844? Axinus, Sowerby.								*										
amplus?,		LCM.						*										Fulton Co. Seaville.
Chesterensis,	M. & W.	L'						*										Gravel Creek. Chester.
cuneatus,	Meek.	LCM.						*			*							Locus Creek. Putnam Hill. Flint Ridge (Sullivan Co.).
curtus,	"	"			*	*		*										Warren and Atchison Cos.
Medinaensis,	"	Kinderh.			*	*		*		*								Medina (Upper Waverley sandst.).
obscurus,	Sow.	UL.		*	*			*		*								Nebraska city.
ovatus,	H. & M.	UCM.		*				*		*								Cotton-wood Creek.
perelegans,	M. & W.	MCM.						*		*								Danville.
Rossicus,	De Vern.	"			*			*		*								Nebraska city (also Perm.).
rotundatus,	Brown.	UL.		*				*		*								Smoky-Hill River.
subtrigonalis,	Meek.	Kinderh.						*		*								Wooster.
truncatus,	King.	UL.			*			*		*								Nebraska city.
Whecleri,	Swall.	CM.			*	*	*	*		*								Holt and Bates Cos. Honey Creek.
spec. indet.,	M. & W.	UCM.						*		*								[Gallatin Co.).
"	C. A. White.	MCM.					*			*								
Sedgwickia, McCoy, 1844. Sanguinolites.																		
? altirostrata,	M. & H.	UCM.		*														Juniata.
? concava,	"	UCM.			*													
Hannibalensis,	Shum.	Kinderh.			*			*		*								Hannibal. Newark.
pleuropistha,	Meek.	"						*		*								Rushville.
subarcuata,	M. & W.	L' (upper beds).						*		*								Keokuk Horizon.
Topekaensis,	M. & H.	UCM.		*														Topeka. Leavensworth city.
Solemya, Lamarck, 1817, = Sole nomya, 1819.																		
?? anodontoides,	Meek.	Kinderh., M. Grit								*								Newark.
biarmica,	De Vern.	UL.		*	*					*								Riv. Platte's mouth. Council Grove.
radiata,	M. & W.	UC.			*	*	*	*	*	*								Howard Co. Grayville. Perryville.
? recurvata,	Swall.	UCM.		?	*	*	*	*	*	*								Clifton Park.
soleniformis,	Cox.	UCM.								*								Muhlenburg Co.
spec. indet.,	"	"		*						*								
Solen, Linnaeus, 1758, = Solenopsis.																		
Missouriensis,	Swall.	Kinderh.			*					*								Pike Co. Chouteau Springs.
quadrangularis,	Winch.	"					*		*	*								Hickman, Marshall, and Granville
scalpriformis,	"	"					*		*	*		*	*					and Maury Cos. [Cos.
soleniformis,	?	UCM.			*	*	*	*	*	*		*	*					Reports of Broadhead and Cox.
solenoides,	Geinitz.	CM.			*	*	*	*	*	*		*	*					

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROPE.	URAL.	ALTAI.	Locality.
costellatus,	M'Coy.	LLS., L', L'' ...	*	*	*													Killycloghy, Kinning P., Longnor, &c.
curtus,	"	L', L''		*	*													Fiddler's Burn, Woodhead (Galston).
discors,	"	LLS., L', L'''	*	*	*													Bruckless, Craigenglen. Bowertrap-ping.
iridinoides,	"	LLS., L', L'''	*	*	*													Drumquin, Ballintrillick. Gare.
lævis,	Eichw.	L', L'''		*	*										*	*		Borowitchi. Cosatschi-datschi.
maximus,	Portl.	L''		*	*													Donagherry. Tyrone.
parvula,	De Kon.	L''			*	*												Celle-veve. Waulsort.
plicatus,	Portl.	LLS., L', L'', L'''	*	*	*													Malahide, Benburb, Gare, Inkerman.
radiatus,	M'Coy.	L', L'''	*	*	*													Boghedd Farm. Calderwood shale.
rhombus,	Phill.	L''			*	*												Celle-veve. Waulsort.
Römeri,	De Vern.	L'''			*	*									*	*		Cosatschi-datschi. [sort.
striato-lamellosus,	De Kon.	L', L''		*	*	*	*											Craig (Kilmarnock). Lowick. Waul-
striatus,	Goldf.	L''		*	*	*	*	*							*	*		Durham. Visé. Cosatschi-datschi.
subcarinatus,	M'Coy.	L'		*	*	*	*											Langside. Newfield (Kilbride). Beith.
transversus,	Portl.	LLS., L'		*	*	*	*											Kilcummin. Fermanagh. Inkerm. Pit.
tricostatus,	"	LLS., L', L''		*	*	*	*											Bundoran, Pittenweem, Lowick, &c.
tumidus,	Phill.	LLS., L'', LCM.	*	*	*	*	*											Kildare. Bolland. Coalbrookdale.
? undatus,	Portl.	LLS., CL	*	*	*	*	*											Tyrone (= parvulus?).
variabilis,	M'Coy.	L', L'''	*	*	*	*	*		*									Campbelltown. Berwick. Carluke.
Verneuilii,	D'Orb.	L'''			*	*	*								*	*		Cosatschi-datschi.
Visitensis,	Ryckh.	L''			*	*	*											Visé. North of aud near Liège.
spec. indet.,	Baily.		*	*	*	*	*											
"	Prof. Julien.				*	*	*											Valley of River Sichon (Auvergne).
Scaldia , De Ryckholt, 1847.																		
Benediana,	Ryckh.	L'			*	*	*											Tournai (in clay).
Davreuxiana,	"	L'			*	*	*											" "
Kieckxiana,	"	L'			*	*	*											" "
Lambotteana,	"	L'			*	*	*											" "
Omaliusana,	"	L'			*	*	*											" "
Schizodus , King. Axinus , Axinopsis, G. Tate.																		
axiniformis,	Phill.	LLS., L', L'''	*	*	*	*	*											Myophoria , Bronn, 1825.
carbonarius,	Portl.	LLS., L', L''', LCM.	*	*	*	*	*											Clogher, Gare, Beith, Coalbrookdale, &c.
centralis,	M'Coy.	LLS., CL	*	*	*	*	*											Ardshanskill.
deltoides,	Phill.	LLS., L', L'', L'''	*	*	*	*	*											Derry, &c. Carluke, Robroyston, &c.
? eximius,	Eichw.	L'''		*	*	*	*								*	*		Cosatschi-datschi.
? obliquus,	M'Coy.	LLS., L'	*	*	*	*	*											Clogher. Lowick.
? obovatus,	"	LLS., CL	*	*	*	*	*											"
? orbicularis,	"	CL	*	*	*	*	*											Govan. Paisley (ironstone shale).
Rossicus,	De Vern.	L'''		*	*	*	*								*	*		Cosatschi-datschi.
Salteri,	R. Ether., jun.	L'		*	*	*	*											Water of Leith. Ardross (Fife Co.).
sulcatus,	Sow.	LCM.	*	*	*	*	*		*									Lugton Water. Auchy au Bois. Car-
sulcifer,	Sow., Eichw.	L''		*	*	*	*								*	*		oline Pit.
spec. indet.,	Salter.	LLS.	*	*	*	*	*											Cosatschi-datschi.
Sedgwickia , M'Coy, 1844.																		
attenuata,	M'Coy.	LLS., CL	*	*	*	*	*											Pittenweem (Fife Co.).
bullata,	"	LLS., CL	*	*	*	*	*											Drumcurren.
centralis (Venus),	"	LLS., CL	*	*	*	*	*											Cullion.
corrugata,	"	CL	*	*	*	*	*											
gigantea,	"	LLS., CL	*	*	*	*	*											Carrow-ma-crory (Templeboy).
globosa,	"	LLS., CL	*	*	*	*	*											Cullion.
minima,	"	LLS., CL	*	*	*	*	*											
Solecortus , De Blainville, 1804...																		
Solemya , Lamarck, 1817. Solenomya , Lamarck, 1817.																		
abbreviata,	Ryckh.	L'		*	*	*	*											See Supplementary Table (Carb.).
parallela,	"	L'		*	*	*	*											Fam. SOLENIDE.
primæva?	Phill.	L', L'''	*	*	*	*	*								*	*		Staffordshire.
Puzosiana?	De Kon.	L'		*	*	*	*											" Tournai.
saginata,	Ryckh.			*	*	*	*											Fermanagh. Beith. Hetton. Lowick.
Solenopsis , M'Coy, 1844, = Solen , Linnaeus.																		Peredki (Valdai).
concinnus,	Ryckh.	L'''		*	*	*	*											Tournai.
ellipticus,	"			*	*	*	*											" (in clay).
imbricatus,	De Kon.	L'		*	*	*	*											Fam. SOLENIDE.
Omali.	Ryckh.	L'''		*	*	*	*											Visé.
orbitosus,	"	L'''		*	*	*	*											Beith. Dalry.
	"																	Visé (friable limestone).
	"																	" "

[illegible]

SUBKINGDOM MOLLUSCA. PROVINCE ODONTOPHORA. CLASS PTEROPODA.

BELLEROPHON.]

ORDER HETEROPODA (NUCLEOBRANCHIATA).

[CARBONIFEROUS.

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Bellerophon , <i>Montfort</i> , 1808.																	
Barquesensis, Winch.	L'						*										Point aux Barques. Lake Huron.
Beckwithianum, M'Chesn.	UCM.						*										Shales.
bilabiatum, W. & W.	Kinderh.				*												Burlington.
Blaneyanum, M'Chesn.	MCM., U.						*		*								Saline. Peoria. Danville.
Hall.	L"						*	*	*								Alton. Spergen Hill.
carbonarium, Geinitz.	MCM., UL.			*	*		*	*	*								Nebraska City. Sullivan Co. Beards-
costatum, Sow.	UCM.						*		*			*	*				Lasalle. Pittsburg. [ley's Bank.
crassum, M. & W.	LCM., U.			*			*	*	*			*	*				St. Clair Co. Knox Co. Pittsburg.
cyrtolites, Hall.	Kinderh., L'			*	*		*	*	*								Burlington. Marshall Co. Rockford.
ellipticum, M'Chesn.	UCM.			*			*										Honey Creek. Gallatin Co. Mercer Co.
																	Knox Co.
galericulatum, Winch.	Kinderh.				*		*										Battle Creek. Marshall.
globosum, Stevens.	UCM.				*		*										Lasalle (shales).
Grayvillense, Broadhead.	UCM.			*													Jatan (Andrew Co.). St. Joseph Road.
hiuleum, Swall.	CM.			*	*						*	*	*				
interlineatum, Portl.	UL.		*	*													Nebraska City.
Kansasense, Shum.	UL.	*	*	*													Verdigris Valley. Atchison Co.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
pelagicus,	Goldf. L'	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tyrone. Clogher.
scalpellus,	Ryckh. L''	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Visé (friable limest.). [Toula].
siliquoides,	De Kon. L', L'''	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Alexina (Govt. Toula).
signifer,	Eichw. L'	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Odojewsk (Sloboda, Govt. Toula).
rhombæa,	Phill. L'	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Famignoul.
spec. indet.,	Murch.	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Teredo , Linnæus, 1758.																		
antiquum,	M'Coy.	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?
Trapezium , Megerle von Mühlfeldt, 1811.																		
Annæa,	Ryckh. L'	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tournai.
fabale,	" L''	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Visé (in upper portion).
Julia,	" L'	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tournai.
Lyellianum,	" L'''	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Visé (upper part), near Liège.
præsectum,	" L''	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	"
Unio , Retz, 1788. See Anthraco sia .																		
Venerupis , Lamarck, 1818.																		
cingulatus,	M'Coy. L'	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	South Ireland (Griffiths).
obsoletus,	" L'	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	" ?
scalaris,	" L'	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	" ?
Venus , Linnæus, 1788. Pullast ra , M'Coy.																		
centralis,	M'Coy.	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[umberland.
ellipticus,	Phill. L', L'''	.....	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Armagh. Craigenglen. Gare. North-

SUBKINGDOM MOLLUSCA. PROVINCE ODONTOPODORA. CLASS PTEROPODA.

BELLEROPHON.]

ORDER HETEROPODA (NUCLEOBRANCHIATA).

[CARBONIFEROUS.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Bellerophon , <i>Montfort</i> , 1808.																		
apertura,	Sow.	LLS, L', L'', LCM	*	*	*	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Ballyduff. Hawkshill. Howrath. Settle. Bristol.
attenuatum,	Eichw.	L', L''	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Mjatschkovo. Borovitschi.
canaliferum,	Goldf.	L'', L'''	.....	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Waulsort. Visé. Ratingen.
clathratus,	D'Orb.	L''	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Moscow Govt. ?
Coriei,	"	L''	.....	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antrim. Waulsort.
convolutus,	Von Buch.	L''	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Vitegra.
cornu-arietis,	Sow.	LLS., L', L''	.....	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	*	.....	.....	Armagh. Beith. Kendal. Crick.
costatus,	"	L', L'', L'''	.....	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	*	.....	.....	Carlisle. Gare. Longnor. Visé.
deceusatus,	Fleming.	L', L'', L'''	.....	.....	.....	*	.....	*	.....	*	.....	.....	.....	.....	*	*	.....	Kulkeagh. Robroyston. Berwick. Gare. Tournai. Visé. Valda.
var. undatus,	R. Ether., jun.	LLS.	.....	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Ardgool. C ^o Limerick. Wardie shale.
depressus,	Eichw.	L'	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Riv. Bystritz (Novogorod). Sloboda.
dorsuale,	"	L'	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Sloboda.
Duchastellii,	L'Eveillé.	L'	.....	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Burnhead. Robroyst. Glorat. Kendal. Tournai. [Visé.
Dumontii,	D'Orb.	L', L'''	.....	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Craigenglen. Gare. Bowertrapping.

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
<i>laevis</i> ,	Cox. L"	.....							*									Spergen Hill.
<i>lineolatum</i> ,	Hall. Kinderh.	.....						*		*								Ottawa Co. Holland. Rockford.
<i>Marcouianum</i> ,	Geinitz & Meek. UL	.....			*	*												Nebraska City. Atchison Co.
<i>Meekianum</i> ,	Shum. LCM., M.	.....			*													Jatan (Andrew Co.). Lexington.
<i>Michiganense</i> ,	Winch. Kinderh.	.....						*										Battle Creek.
<i>Missouriense</i> ,	Swall. L'''	.....			*				*									Chester.
<i>Montfortianum</i> ,	Hall. L''', LCM., UL	.....	*						*	*	*							Vernon Co. Galatia. Putnam Hill.
<i>nautiloides</i> ,	Winch. Kinderh.	.....						*										Moscow. Allan's Quarry. Battle Crk.
<i>nodocarinatus</i> ,	Hall. LCM.	.....						*	*									St. Clair Co.
<i>pannæum</i> ,	C. A. White. Kinderh.	.....						*										Burlington (yellow sandst.).
<i>percarinatum</i> ,	Conrad. UCM.	.....			*				*	*	*			*				Sullivan Co. Atchison Co. Grayville. M'Kean Co. &c.
<i>perelegans</i> ,	W. & W. Kinderh.	.....						*										Burlington (yellow sandst.).
<i>rugosiosculum</i> ,	Winch. "	.....						*										Liberty (Jackson Co.).
<i>var. tenuatum</i> ,	M'Chesn. "	.....						*										Moscow.
<i>scriptiferum</i> ,	W. & W. " ?	.....						*										Burlington.
<i>Stevensianum</i> ,	M'Chesn. UCM.	.....							*									Springfield (shales).
<i>sublæve</i> ,	Hall. L'	.....						*	*	*								Warsaw. Bloomington. Spergen Hill.
<i>tricarinatum</i> ,	Shum. UCM.	.....	*	*	*			*	*	*	*	*	*	*				Not stated.
<i>Urii</i> ,	Fleming. L', UCM.	.....	*	*	*	*	*	*	*	*	*	*	*	*	*			Springfield. Pittsburg, &c.
<i>vinculatus</i> ,	C. A. White. Kinderh.	.....						*		*	*	*	*	*	*			Burlington.
<i>vittatus</i> ,	M'Chesn. MCM. ?	.....						*	*	*								Grayville. Rush Creek.
<i>Whittleseaense</i> ,	Winch. L'''	.....								*								Orange Centre. Cuyahoga Co.
<i>spec. indet.</i> ,	Dawson. L''	.....													*			Kennetcook.
Conularia , Miller, 1818. (Ceases in the Carboniferous).																		
<i>biblis</i> ,	White. Kinderh.	.....					*					*	*					Hickman and Maury Cos.
<i>miconema</i> ,	Meek. "	.....									*	*	*					Sciotoville.
<i>Missouriensis</i> ,	Swall. L, L'''	.....			*							*	*	*				Clarksville. Sparta. St. Louis.
<i>multicostata</i> ,	M. & W. LLS.	.....									*	*	*	*				Richfield.
<i>Newberryi</i> ,	Winch. L'	.....									*	*	*	*				Cuyahoga Falls. Londonville, &c.
<i>Osagensis</i> ,	Swall. L''	.....			*													Boonsville.
<i>planicostata</i> ,	M. & W. "	.....												*	*			Windsor. Shubenacadie. Irish Cove.
<i>subcarbonaria</i> ,	" L'	.....							*									Warsaw (Keokuk Group).
<i>subulata</i> ,	Hall. L''' ?	.....							*									Alton.
<i>Verneuilii</i> ,	" L'''	.....							*									St. Louis limestone.
<i>vieta</i> ,	C. A. White. L	.....						*										Burlington (Encrin. limest.).
<i>Whitei</i> ,	M. & W. Kinderh.	.....								*								Richfield.
orcellia , L'Eveillé, 1835.																		
<i>crassinoda</i> ,	W. & W. Kinderh.	.....					*											Burlington (yellow sandst.).
<i>nodosa</i> ,	Hall. "	.....							*									Barry. Pike Co.
<i>obliquinoda</i> ,	C. A. White. "	.....					*											Burlington (yellow sandst.).
<i>rectinoda</i> ,	Winch. "	.....			*													" "
? Pugiunculus , Barrande. Theca = Hyolites.																		
<i>aculeatus</i> ,	Hall. Kinderh.	.....					*		*									Adams. Hillsdale Co. Rockford.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Ferussaci, granulum, hiulcum,	D'Orb. LLS., L', L''' ... Eichw. L', L'' Sow. L', L'', L'''		*	...	*	...	*	...	*	...	*	...	*	...	*	...	*	Kildare. Staffordshire. Visé. Waulsort. Sloboda (Govt. Toula). Kilgrogan. Killaghter. Kendal. Long- nor. Tournai. Visé. R. Serena, &c. Kilnarnagh. Visé. Derryloran. Fermanagh.
hyalinum, interlineatum, intersectum, Keynianum,	Ryckh. L''' (both) Portl. LLS. M'Coy. UL De Kon. L'', L'''		*	...	*	...	*	...	*	...	*	...	*	...	*	...	*	Visé. Auerbach. Malowka. Cosatschi- datschi. Millicent (Clare Co.). Fermanagh. Hairmyres. Kendal. Robroyston. Orchard. Gare. Visé.
lævis, Larcomii, Leveillianum, Narangia, navicula, Oldhamii, papyraceum, phalæna, plicatum, pusio, recticostatum, rotundatum,	M'Coy. L' Portl. L' De Kon. L' L' Sow. LCM. Portl. L'', L''', LCM. Ryckh. L' " L' " L' Eichw. L' Portl. L' Eichw. L'		*	...	*	...	*	...	*	...	*	...	*	...	*	...	*	Coalbrookdale (Shropshire). Clogher. Hosie. Carlisle. Campsie. Tournai (in clay). " " " " Sloboda (Govt. Toula). Armagh. Lowick. Kendal. Prikscha (Govt. Novog.). Mjatsch- kovo.
Sowerbyi, spirale, striatum, subdiscoideum, tangentiale,	D'Orb. L' Phill. L', L''' Flem. L', L'', L''' Ryckh. L' Phill. L', L'', L'''		*	...	*	...	*	...	*	...	*	...	*	...	*	...	*	Yorksh. Waulsort. Juigné (Sarthe). Derryloran. Otterburn. Harelaw. Tyrone. Campbell. Calmy. Malowka. Tournai (in clay). Malabide. Ballymahon. Gare. Bol- land. Visé. Malowka.
tenuifascia,	Sow. L', L'', L'''		*	...	*	...	*	...	*	...	*	...	*	...	*	...	*	Gare. Bolland. Longnor. Visé. Tour- nai, &c.
tricarinum, Urii,	L'Eveillé. Flem. LLS., L'', L''' LCM., U.		*	...	*	...	*	...	*	...	*	...	*	...	*	...	*	Famignoul. Slieve Gallion. Rutherglen. Gare. Robroyston. Waulsort.
Vasulites, Witryanum, Conularia , Miller, 1818.	Montfort. L', L''' De Kon. L' De Kon. L', L'''		*	...	*	...	*	...	*	...	*	...	*	...	*	...	*	Visé. Souvré. Tournai. Tournai. Ceases in Carboniferous.
irregularis, quadrisulcata,	De Kon. L', L''' Sow. L', L'', L''' LCM., M.		*	...	*	...	*	...	*	...	*	...	*	...	*	...	*	Tournai. Visé. Armagh. Corrieburn. Gare. Coal- brookdale, &c. Robroyston.
Porcellia , L'Eveillé, 1835	De Vern. L', L''' LCM. L' ?		*	...	*	...	*	...	*	...	*	...	*	...	*	...	*	Fam. ATLANTIDÆ. Arbigland. Craigenglen. Gare.
armata, inflata, lavigata, Puzosi,	L'Eveillé. L' " L', L'', CM.		*	...	*	...	*	...	*	...	*	...	*	...	*	...	*	Roanne (Upper Loire). Bolland. Rowerbeg. Bolland. Longnor. Tour- nai. Visé.
retrorsa, Woodwardii, Verneuillii,	Münst. L' Sow. L', L'', L''' De Kon. L'		*	...	*	...	*	...	*	...	*	...	*	...	*	...	*	Tournai. Parkhill. Tournai. Waulsort. Visé. Bolland. Visé.

[illegible]

SUBKINGDOM MOLLUSCA. PROVINCE ODONTOPHORA.

CLASS GASTEROPODA (DIOECIA).

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENSUS PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAKONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Acroculia , <i>Phillips</i> , 1841.	Pileopsis. Capulus																Platyceras.
adoceras,	Ryckh. L'			*													Tournai.
angusta,	Phill. L', L'', L'''	*	*	*	*												Clare Co. Gare. Bolland. Waulsort.
canaliculata,	M'Coy. L'	*	*	*	*												Tulsk. Famignoul.
caperata,	Ryckh. L'			*													Famignoul.
carinata,	M'Coy. L'	*	*														Millicent. Lillieburn shale. Craigen-glen.
corporata,	Ryckh. L'			*													Tournai.
Ermanni,	De Vern. L'''													*			East flank, Cosatschi-datschi.
euomphaloides,	Ryckh. L'			*													Tournai (in clay).
insculpta,	" L'			*													Celle-veve. Tournai (in clay).
laevigata,	M'Coy. L'			*													"
Münsteriana,	D'Orb. L'			*										*			Moscow environs.
neritoides,	Phill. L', L'', L'''	*	*	*	*												Astragob. Orchard. Newfield. Bol-
parasitica,	Trautschold. L''													*			Moscow. [land. Tournai.
pileola,	Eichw. L''			*											*		Artinsk.
recta,	Ryckh. L', L'''			*													Tournai. Visé.
striata,	Phill. L', L'', L'''	*	*	*													Ballea. Kildare. Longnor. Bolland.
trilobata,	" LLS., L', L'''	*	*	*	*												Hookhead. Fethard. Staffordshire.
tubifera,	Sow. LLS., L'	*	*	*													Bolland. Famignoul.
vetusta,	" L'''	*	*	*	*												Hookhead. Fethard. Staffordshire.
																	Tournai.
																	Hookhead. Bowertrapping. Robroy-ston. Bolland. Visé. Ratingen.
Ampullacera , <i>Quoy and Gaimard</i> .																	
monticula,	Eichw. L', L''													*			River Prikscha. Mjatschkovo.
tabulata,	De Kon. L', L'', L'''			*	*												Bolland. Visé. Tournai. Waulsort.
Bullina ?, <i>Férussac</i> , 1821.																	
carbonaria,	Eichw. L'													*			Sloboda (Toula Govt., yellow clay).
Cerithioides , <i>Hughton</i> , 1859 ...																	Laxonema.
telescopium,	Haugh. CL	*															
spec. indet.,	CL	*															
Chiton , <i>Linnaeus</i> , 1759.																	
Barrandianus,	Ryckh.			*													Visé (in friable limestone).
Burrovianus,	Kirkby. L', L'''	*	*														Williamswood. Settle.
coloratus,	" L'			*													Settle (Yorkshire) and elsewhere.
concentricus,	De Kon. L'''			*													Visé.
cordatus,	Kirkby. L'			*													Settle (Yorkshire) and elsewhere.
cordifer,	De Kon. L'			*													Tournai (upper clay).
Eburoniscus,	Ryckh. L'''			*													Visé.
gemmatus,	De Kon. L', L'''			*													Gallow's Hill. Stratheven. Visé.
humilis,	Kirkby. L'''			*													Robroyston (in shale).
Legiacus,	Ryckh. L'''			*													Visé.
Mempsiscus,	" L'			*													Tournai (upper clay).
Mosensis,	" L'', Limestone			*													Visé.
Nervicanus,	" L'			*													Tournai (upper clay).
priscus,	Münst. L'			*													"
scaldianus,	Ryckh. L'			*													" (in clay).
Sluzeanus,	" L'''			*													Visé (in friable limestone).
Thomondiensis,	Baily. LLS.	*															Doohylebeg.
Tornacicola,	Ryckh. L'			*													Tournai.
Turnacianus,	" L'			*													" (in clay).
visiticola,	" L'''			*													Visé.
spec. indet.,	Kirkby. LLS.			*													Settle ?
" <i>nova</i> ,	" L'			*													Settle.

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Cyrtolites , <i>Conrad</i> , 1843?											
? <i>Gillianus</i> , White & St. John.	UCM.				*						In one bed only. Locality not given.
Dawsonella , <i>Bradley</i> .											
Meekii, Bradley.	.....						*				Vermilion Co.
Dentalium , <i>Linnaeus</i> , 1740.											
annulo-striatum, M. & W.	LCM.							*			Danville.
? Barquense, Winch.	Kinderh.						*				Point aux Barques. Huron Co.
grandævum, " Gein.	UL.			*			*				Burlington.
Meekianum, Swall.	L'''			*			*				Nebraska City (also Permian).
Missouriense, Hall.	L'			*			*				St. Mary's.
obsoletum, " L''	.....						*				Sullivan Co. (under Anvil Rock).
primarium, " L'''	.....						*				Warsaw? Spergen Hill.
venustum, Daws.	L'''			*		*	*				Boone's Lick. Waterloo (Monro Co.).
spec. indet., " L'	.....									*	Pugwash. Amherst Co.
" " L'	.....									*	Economy River.
Eulima ?, <i>Risso</i> , 1826.											
peracuta, M. & W.	LCM., U.						*				Jacksburg. St. Clair Co. Springfield.
Eunema , <i>Salter</i> , 1858?											
? <i>Salteri</i> , M. & W.	UCM.						*				Springfield (Capital Town).
Euomphalus , <i>Sowerby</i> , 1814											
Ammon, W. & W.	Kinderh.			*			*				Straparollus. Schizostoma.
Barrisii, Winch.	" "			*			*				Burlington.
Boonensis, Swall.	L'			*			*				No locality.
carbonarius, Kinderh.?	.....			*		*	*				Burlington.
catillus, Sow.	.....			*		*	*				"
complanatus, UL.	.....			*		*	*				Forest City. Nodaway River.
exortivus, Daws.	L'''			*		*	*		*		East River. Pictou.
depressus (Ammon), Hall.	Kinderh.			*		*	*		*		Marshall Co. (New York CL).
latus, " L	.....			*	*	*	*		*		Henry Co. Leesville.
magnificus, Shum.	Kinderh.			*		*	*		*	?	
macromphalus, Winch.	" "			*		*	*		*		Burlington (yellow sandstone).
obtusus, " " ....	.....			*		*	*		*		
pentangularis, Sow.?	CL.			*		*	*		*		No locality given.
perspectiva, Swall.	L'''			*		*	*		*		Bloomington. Spergen Hill.
planispira, Hall.	L'			*		*	*		*		"
quadrivolis, " L''	.....			*		*	*		*		"
Roberti, C. A. White.	L'			*	*	*	*		*		Burlington.
rugosus, Hall.	UCM. &c.	*	*	*	*	*	*		*		Wellington. Waggon-defeat Creek.
											Perryville, &c.
Spergenensis, L'	.....			*		*	*		*		Bloomington.
spirobhis, Hall.	Kinderh.			*		*	*		*		Rockford.
subrugosus, M. & W.	.....			*		*	*		*		
umbilicatus, " LCM.	.....			*		*	*		*		St. Clair Co.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Chitonellus , <i>Lamarck</i> , 1819.																	
subquadratus, Kirkby.	L'	*															Craigenglen (in marine shale).
Youngianus,		*															" "
Cirrus , <i>Sowerby</i> , 1818, = Euomphalus .																	
armatus, De Kon.	L''			*													Mid-strata, Visé.
Cylindrites , <i>Lycett & Morris</i> , 1850.	Fam. ACTÆONID. E																See Chemnitzia , Loxonema .
carbonarius, De Kon.	CL.			*													Derbyshire.
Dentalium , <i>Linnaeus</i> , 1748																	Fam. DENTALIADÆ, <i>Lamarck</i> .
cinctum, De Kon.	L'			*													Tournai (upper clay).
dentaloideum, Ryckh.	L'			*													Lowick. Northumberland.
inæquale, " Sow.	L', L'', L'''	*	*	*	*	*											Visé.
ingens, M'Coy.	L', L'''	*	*	*													Arbigland &c. Parkhill. Bolland. Visé.
inornatum, De Kon.	L', L'''	*		*													Cookstown. Robroyston. Swindridge.
ornatum, Ryckh.	L''	*		*													Malahide (Dublin). Visé.
perarmatum, Goldf. & Münst.	L', L'', L'''	*		*	*												Visé.
priscum, Eichw.	L'	*		*	*									*			Linlithgowshire. Gare. Staffordshire.
rectiusculum, " "	L'													*			Cosatschi-datschi. [Tournai.
rugosum, " "	L'													*			Sloboda (Toula, yellow clay).
verrucosum, " "	L'													*			Artinsk.
Dirinus , <i>M'Coy</i> , 1844.																	
Bucklandii, M'Coy.	Calp.	*															
Disputea , <i>Say</i> , 1824 ?																	
prisca, M'Coy.	L'			*													Waulsort.
Elenchus , <i>Humphreys</i> , 1797																	<i>Monodonta</i> .
antiquus, M'Coy.	LLS., CL.	*															Lowick.
subulatus, " "	CL.	*	*														Robroyston.
Emarginula , <i>Lamarck</i> , 1801.																	
carbonifera, Ryckh.	L'			*													Tournai (clay).
Eulima , <i>Risso</i> , 1826.																	
Phillipsiana, De Kon.	L', L'', L'''	*	*	*	*												Robroyston. Craigenglen. Gare.
suturalis, Phill.	L'			*													Longnor. Visé. Tournai.
Euomphalus , <i>Sow.</i> , 1814; Schizostoma , <i>Bronn</i>																	Bakewell. Staffordshire.
acutus, Phill.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*		Straparollus , <i>Montfort</i> .
æqualis, Sow.	LLS.	*	*	*	*	*							*	*			Malahide. Craigenglen. Derbysh.
Baeri, Eichw.	L'												*				Ratingen. Tournai. Visé. Cresset
calyx, Phill.	LLS., L', L'', L'''	*	*	*	*								*				(Auvergne). Podolsk.
carbonarius, Sow.	LLS., L', L''	*	*	*	*												Curkeen. Stradone. Kendal.
catilloides, De Kon.	L', L'''	*	*	*	*												Borowitschi. Kalouga.
catillus, Sow.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*		Dunkineely. Millicent. Beith. Bolland. River Dwina.
cochleatus, Semenov.	L'													*			Lickpriveck Castle. Orchard. Carluke.
Colei, Sow.	CL.	*															Glasgow. Waulsort. Visé.
compressus, Fischer.	CL.												*				Granard. Buxton. Bolland. Visé.
costellatus, M'Coy.	L'			*	*												Mjatschkovo.
crotalostomus, " "	L'	*	*	*													Malowka (Govt. Moscow)
depressus, Sowerby.	L''	*	*	*													Bundoran.
Dionysii, Portl. & Goldf.	LLS., L', L'', L'''	*	*	*	*	*	*	*	*	*	*	*	*	*	*		Kurgan. Usinsky.
elongatus, M'Coy.	LLS., L'	*															Lowick. Northumberl. Famignoul.
fallax, De Kon.	L', L'''	*		*	*												Carrickreagh. Kendal.
Gloveri, Brown.	LCM.			*													Staffordshire. Bolland.
helicoides, L'				*													Curraheen. Carnteel. Longnor. Ratingen.
hians, Kutorga.	L''													*			Waulsort. Dusseldorf.
impressus, Eichw.	L', L''													*			Perekki.
Issedon, De Vern.	.....														*		Ballinglen.
lepidus, De Kon.	L', L'''			*	*												Kendal. Chokier. Visé.
marginatus, Eichw. & M'Coy.	LLS., L', L''	*	*	*	*								*				High Greenwoods.
minimus,* M'Coy.	.....	*											*				Dalry.
nanus, Eichw.	L'												*				Sterlitamak.
nodosus, Sow.	L', L''?, L'''			*	*	*	*	*	*	*	*	*	*	*	*		Borowitschi. Kalouga.
orbis, Eichw.	L'' or L'''			*	*	*	*	*	*	*	*	*	*	*	*		[Liège].
papyraceus, Sow.	LLS., CL.			*	*	*	*	*	*	*	*	*	*	*	*		Kendal. Visé (north of and near
pentagonalis, Phill.	L', L'''	*	*	*	*												Nobber. Dalry. Linnsput. Kalouga.
																	[Perekki].
																	Sloboda (yellow clay).
																	Derbysh. Kendal. Visé. Ratingen.
														*			Orenburg. Sterlitamak.
														*			Hahnenklee &c. Lautenthal.
																	Ardgoul. St. Doolagh. Westown.
																	Bolland.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHÉNISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
pentangulatus,	Sow.	LLS., L', L'', L'''	*	*	*	*	*							*	*			Kildare. Dalry. Limerick. Gare. Waulsort. Visé. Sopljussa.
pileopsideus,	Phill.	L', L'''	*	*	*	*	*											Malahide. Williamwood. Bolland. Visé. Clermont-Ferr.(Auvergne).
planorbis,	D'Arch. & De Vern.				*	*												Kendal. Visé.
pugilis,	Phill.	L', L'''	*	*	*	*												Kilmarnock. Bolland. Visé. Ratingen.
pusillus,	De Kon.				*	*												Famignoul.
quadratus,	M'Coy.	LLS., L'	*															Mullaghtinney.
quinqueangularis,	Sow.	L', L''		*	*	*												Celle-veve. Mjatschkovo.
radians,	De Kon.	L', L'''		*	*	*												Craigenglen. Beith. Gare. Tournai &c.
serpens,	Phill.	LLS. ?	*															In Carboniferous strata (M'Coy).
serus,	De Kon.	L', L'''			*	*												Tournai. Visé.
Soiwa,	Keyserl.	L' ?												*	*			In Petschora-land.
tabulatus,	De Kon. & Phill.	LLS., L', L'', L'''	*	*	*	*								*	*			Castleknock. Bow'trapping. Kendal. Bolland. Tournai. Kalouga.
triangulatus,	Stoddart.	LLS.			*													Bristol.
tuberculatus,	De Kon.	L'	*	*	*	*												Tyrone. W. Lothian. Tournai.
Voronejeensis,	De Vern.	L'												*	*			Peredki. River Vol. Petschora-land.
Fissurella, Bruguière, 1789.																		
elongata,	M'Coy.	LLS.	*															Lisnapaste (Ballintra).
Fusus ?, Lamarck, 1801.																		
primordialis,	De Kon.	L'''			*													Visé.
Helcyon, Montfort, 1810																		
Busscheriana,	Ryckh.	L'''			*													Acmæa, Eschscholtz.
Cilicina,	"	L'''			*													Visé (North of Liège).
globosa,	"	L'''			*													" (or Cilinata).
heptædralis,	"	L'			*													"
humilis,	"	L'			*													Tournai (in clay).
ilicina ?,	"				*													" "
lateralis,	Phill.	L'			*													Tournai.
loxogonoides,	Ryckh.	L'''			*													Visé.
sinuosa,	Phill.	L'''	*		*	*												" Bolland.
Holopella, M'Coy, 1852.																		
spiralis,	Eichw.													*	*			Cosatschi-datschi.
Lacuna, Turton, 1827.																		
antiqua,	M'Coy.		*															
Littorina, Férussac, 1821.																		
costellata,	M'Coy.	L'			*													Lowick.
globosa,	Eichw.	L'''			*									*	*			Cosatschi-datschi.
Lacordairiana,	De Kon.	L', L'''			*													Tournai (clay). Visé.
oblonga,	Ludwig.	MCM. ?			*			*										Spröckhovel. River Ruhr.
obscura,	Sow.	LCM.			*	*												Coalbrookdale.
solida,	De Kon.	L'', LCM.			*	*												Mid-strata, Visé.
Loxonema, Phillips, 1841. Melania, Lamarck, 1801																		
acicula ?,	Phill.				*													Chemnitzia, D'Orbigny, 1837.
acuminata,	Goldf.	M. ?			*									*	*			River Vol (north Russia).
biserialis,	Phill.				*													Sichon valley. Auvergne.
brevis,	M'Coy.	L'''	*	*	*	*												Gare. Westerhouse.
carbonaria,	De Kon.	L', L'''			*	*												Tournai. Visé.
clathratula,	Young & Arnstr.		*	*	*	*												Robroyston.
constricta,	Sow.	LLS., L', L'', L'''	*	*	*	*	*											Kildare. Beith. Burnhead. Longnor. Bolland. Visé. Riv. Sichon valley.
curvilinea,	Phill.			*														Robroyston.
elongata,	Tate, De Kon.	L', L'''			*	*												N'umberland. Tournai. Waulsort.
Galvani,	?		*															Explan. Sheet 142 Irel. Royal Surv.
gracilis,	De Kon.	L', L'''			*	*												Tournai. Visé. [byshire.
impedens,	M'Coy.	L'	*	*	*	*												Rathkeale, Limerick, Cork Cos. Der.
lævigata,	Eichw.	L', L'''			*	*								*	*			Malowka. Sloboda (yellow clay).
La Feburci,	L'Eveillé.	LLS., L', L'', L'''	*	*	*	*												Croagh. S. Shiels' Farm. Waulsort.
megaspira,	Phill.	L'''			*	*												Waulsort. [Visé.
minutissima,	M'Coy.	LCM.			*	*												Lowick (Northumberland).
Murchisonia,	De Kon.	L'			*	*												Famignoul.
Oweni,	Brown.	LCM.			*	*												Hebden Bridge.
parvulum,	De Kon.	L'''			*	*												Visé.
polygyra,	M'Coy.	LLS., L'	*	*	*	*												Cullion. Limekilne's House. Gill- [foot.

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Macrocheilus , <i>Phillips</i> , 1841 ...											Appears first in Devonian.
<i>acutus</i> , Sow.	Kinderh., L'''							*	*	*	Buttonmould Knob. Pittsburg.
<i>Altonensis</i> , Worth.	LCM.							*			Alton?
<i>Cooperensis</i> , Swall.	L''			*							Cooper Co.
<i>curvilineus</i> , De Vern.	CM.							*			
<i>fusiformis</i> , Hall.	UCM.					*		*			Under Anvil Rock.
<i>gracilis</i> , Cox.	UCM.							*			Hawesville.
<i>Hallianus</i> , Geinitz.	UL.		*	*							Nebraska city.
<i>inhabilis</i> , Morton.	UCM. (base)		*	*		*					Wyoming City. Gallatin Co.
<i>intercalaris</i> , var. <i>pulchellus</i> , M. & W.	UCM.		*						*		Springfield. Pittsburg.
<i>Kansasensis</i> , Swall.	UCM.	*	*								Willow Spring.
<i>Klippiarti</i> , Meek.	LCM.							*			Somerset (Perry Co.).
<i>medialis</i> , M. & W.	UCM.							*			Springfield.
<i>Missouriensis</i> , Swall.	LCM.		*								Howard Co.
<i>Newberryi</i> , Hall.	UCM.		*			*					Sullivan Co.
<i>paludinaeformis</i> , "	UCM.			*		*					Beardsley's Bank. Warrick Co.
<i>pinguis</i> , Winch.	Kinderh.			*		*					Burlington (lowest yellow sandst.).
<i>ponderosus</i> , Swall.	UCM.	*				*					Verdigris valley.
<i>primogenius</i> , Conrad.	UCM.		*	*	*	*	*	*	*	*	Atchison Co. Beardsley and Kurz's
<i>ventricosa</i> , M. & W.	LCM.		*	*							Banks. Gibson Co.
<i>spec. indet.</i> , C. A. White.	UCM.					*					Sullivan and Holt Cos.
"	MCM.			*							
Metoptoma , <i>Phillips</i> , 1836.											
<i>umbella</i> , M. & W.	L'						*				Quincy. Honey Crk. Henderson Co.
<i>undata</i> , Winch.	L'				*						Burlington.
Microdoma , <i>Meek and Worthen</i> , 1866.											
<i>conica</i> , M. & W.	LCM.					*					Hodge's Creek (Macoupin Co.).
Murchisonia , <i>D'Archiac and De Verneuil</i> , 1841.											
<i>Archimedeia</i> , M'Chesn.	UCM.						*				La Salle.
<i>attenuata</i> , Hall.	L''						*				Spergen Hill.
<i>elegantula</i> , "	L''						*				Bloomington.
<i>Gypsea</i> , Dawson.	CL.								*		Windsor.
<i>inornata</i> , M. & W.	LCM.					*			*		Hodge's Creek (Macoupin Co.).
<i>insculpta</i> , Hall.	L''					*			*		Bloomington. Spergen Hill.
<i>limitaris</i> , "	Kinderh.					*			*		
<i>Marcouiana</i> , Geinitz.	UL.		*								Rockbluff.
<i>minima</i> , Swall.	MCM.	*	*								Turkey Creek. Lexington.
<i>Nebraskensis</i> , Geinitz.	UL.		*								Nebraska city.
<i>neglecta</i> , Winch.	Kinderh.		*			*					Burlington.
<i>obsoleta</i> , Meek.	LCM.					*			*		Danville.
<i>prolixa</i> , M. & W.	Kinderh.		*			*		*			Burlington. Sciotoville.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROPE.	URAL.	ALTAI.	Locality.
primordialis,	De Kon.	L'''				*												Visé, &c.
pulcherrima,	M'Coy.	LLS., CL.	*															Bundoran.
reticulata,	Brown.	LCM.			*													Hebden Bridge.
rugifera,	Phill.	L', L', L'''	*	*	*	*												Gare. Craigenglen. Leek. Otterburn.
scalaroidea,	"	L', L', L'''	*	*	*	*												" Bolland. Robroyston. Waulsort. Visé.
similis,	De Kon.	L'''				*												Visé, north of and near Liège.
subconstricta,	"	L'''				*												" [ping, &c.
sulcatula,	M'Coy.	LLS., L'''	*	*														Carrick-oughter, Beith, Bowertrap-Visé. [&c.
sulcicostatum,	De Kon.	L'''				*												Visé. [&c.
sulculosa,	Phill.	LLS., L', L'''	*		*													Kildare, St. John's Point, Bolland,
tenuistriata,	Portl.	L', L', L'''	*	*	*													Tyrone. Gare. Kendal.
tumida,	Phill.	LLS., L', L'''	*		*													Dunkineely. Bolland. Staffordshire.
turrita,	M'Coy.	CL.	*															Bundoran.
ventricosa,	Hunter.	L', L'''		*														Garc. Tournai. Visé.
Macrocheilus, Phillips, 1841.		Buccinum.																
acutus,	Sow.	L', L'''	*	*	*	*												Kildare, Robroyston, Gare, Bolland, Visé, Cresset (Riv. Sichon), &c.
affinis,	Eichw.	L'													*			Mjatschkovo.
ampullarioideus,	"	L'			*													Otterburn (Northumberland).
brevispiratus,	M'Coy.	L'			*	*												Lowick. Derbyshire.
canaliculatus,	"	LLS., CL.	*															Kileummen (Killala).
curvilineus,	Phill.	LLS., L', L'''	*		*													Millicent, Avonwater, Bolland, &c.
fimbriatus,	M'Coy.	LLS., CL.	*															Dromard.
Flemingii,	Brown.	LCM.			*													Lancashire?
fusiformis,	Sow.	L', L'', LCM.	*	*	*													Campbelltown. Auchenbeg. Robroyston. Swindridge.
Gibsoni,	Brown.	LCM.			*													High Greenwood (Lancashire).
globularis,	Phill.	L'', CL.			*													Staffordshire. Bolland (Tiddiman).
imbricatus,	Sow.	L', L'', L'', LLS.	*	*	*	*			*						*			Aghalurcher. Gare. Bolland.
inflatus,	Baily.	L''?	*															Foyes Island (Limerick).
lævis,	Eichw.	L'													*			Sloboda (Govt. Toula).
lymnæiformis,	Tatc, M'Coy.	L'			*													Lowick.
maculatus,	De Kon.	L'''			*													Visé.
Manni,	Brown.	LCM.			*													High Greenwood shale.
Michotianus,	De Kon.	L', L'			*	*												Craigenglen. Robroyston. Derbysh. Tournai. [Woodlands.
ovalis,	M'Coy.	LLS., L'	*	*														Bruckless. St. Monan's. Dunsinck.
parallelus,	Hall.	LLS., L', L'''	*	*														Armagh. Bolland.
percinctus,	Portl.	L'			*													Derryloran. Tyrone.
Phillipsianus,	De Kon.	L'			*													Famignoul.
rectilineus,	Phill.	L', L'''	*	*	*													Cork. Gare. Bolland. Staffordshire.
semistriatus,	Young & Armst.	L'''?			*													Robroyston.
sigmalineus,	Phill.	L', L'', L'''	*		*													Kildare. Lowick. Bolland. Longnor.
spiratus,	M'Coy.	L'			*													Lowick. Northumberland.
subangulatus,	D. Sharpe.	L'			*													Kendal. Westmoreland.
tricinctus,	M'Coy.	L'''	*	*														Gare.
Metoptoma, Phillips, 1836.		Patella, De Koninck.																[of Man.
elliptica,	Phill.	L', L'''			*	*												Arnside. Longnor. Bolland. Isle
imbricata,	"	L', L'''			*													Settle. Kirby Lonsdale. Bolland.
obliqua,	"	L'			*						*							Lautenthal. [Visé.
oblonga,	"	L'', LLS:			*													Bolland (Yorkshire).
pileus,	"	L'''			*													" Visé.
solaris,	D'Orb.	L'', L'''			*													" Parkhill. Longnor. Visé.
sulcata,	Phill.	L'''			*													Bolland.
Murchisonia, D'Archiac and De Verneuil, 1841.																		
abbreviata,	De Kon.	MCM., L'''			*	*												Bradley Green. Visé.
angulata,	Phill.	LLS., L', L', L'''	*	*	*	*			*					*				Aghalurcher. Craigenglen. Bolland. Visé. Valdai Hills.
Archiacana,	De Kon.	L'''			*													Mid-strata of Visé.
biscerrata,	Phill.	L'			*													Crich. Cromford. Staffordshire.
Brongniartiana,	De Kon.	L'''			*													Visé.
dispar,	M'Coy.	L'			*													Lowick.
elongata,	Portl.	LLS., L'	*															Kildress. Dromard. Gillfoot.
fimbricarinata,	Young & Armst.	L'''?			*													Robroyston.
fusiformis,	Phill.	L'', M. Grit, CM.			*													Bolland.
gracilis (Dr. Tietze),	Goldf.	Culm			*				*									
Humboldtiana,	De Kon.	L'', L'''			*	*												Parkhill. Visé.
Josepha,	"	L'''			*													Visé.

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
quadricincta,	Winch.	Kinderh.					*											Burlington. Sciotoville.
Shumardiana,	"	"					*											"
subtæniata,	Geinitz.	UL.			*													Nebraska City.
terebriformis,	Hall.	L'							*									Bloomington.
trilingulata,	Dawson.	L'												*				Pugwash (Amherst Co.).
turritella,	Hall.	L'							*	*								Spergen Hill.
vermicula,	Shum.	L', L'''.....			*			*	*	*								St. Mary's (St. Louis limestone). Spergen Hill. Bloomington.
spec. indet.,		UCM.		*														

Genus, Species, and Author.		Horizon.	EUROPE, &c.															Locality.
			IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	
Larcomi,	M'Coy.	LLS., L'	*			*												Moneyburn river.
lineata,	Phill.	L''				*	*											Waulsort.
maculata,	De Kon.	L'''				*	*											Visé.
melanoides,	"	L'''				*	*											"
multilineata,	Phill.	L'''				*	*											Waulsort.
nana,	De Kon.	L'''				*	*											Visé.
plicata,	Goldf.	L''?				*	*		*									Ratingen. [Visé.
quadrifarinata,	M'Coy.	L', L'', L'''	*	*	*	*	*											Burnhead. Hairmyres. Derbyshire.
Sedgwickiana,	De Kon.	L'				*	*											Tournai (in clay).
serrilimbata,	Phill.	L''?				*	*											Crich (Derbyshire).
spinosa,	"	L''				*	*											Whitewell (Yoredale).
spiralis,	"	L'''				*	*											Yorkshire. Visé.
spirata,	Goldf.	L''?				*	*		*									Ratingen.
striatula,	De Kon.	L'''		*		*	*											Orchard. Robroyston. Swindridge.
																		Gare. Auchenbeg. Mid-strata, Visé.
subsulcata,	"	L', L'''		*		*	*											Craigenglen. Visé.
sulcata,	M'Coy.	L'''	*	*	*	*	*											Craige, near Kilmarnock. Bolland.
tæniata,	De Vern. & Phill.	L'''		*	*	*	*											Yorkshire. Visé (also Devonian).
trilineata,	Goldf.	L''				*	*		*									Ratingen.
Urii,	Flem.	L'		*		*	*											Hamilton, Hairmyres, Boghead, &c.
Verneuiliana,		Culm, L'''		*	*	*	*											Durham. Visé.
var. Kendalensis,	M'Coy.	Tuedian		*	*	*	*		*									Kendal.
vittata,	Phill.	L'''	*	*	*	*	*											Bolland.
Narica, D'Orb., = Natica of Baron	de Ryckholt.				?	*	*											Visé.
lyrata,	De Kon.	L'''			*	*	*											
spinescens,	Ryckh.	L'''			*	*	*											
Natica, Adanson, 1757. Naticopsis																		Ampullaria, Sow. [Celle-veve.
ampliata,	Phill.	L', L'', L'''	*	*	*	*	*											Highfield. Shap Toll-bar. Bolland.
antiqua,	Goldf.	L', L''			*	*	*											Kendal. Celle-veve. Waulsort.
brevispira,	Ryckh.	L'''			*	*	*											Visé.
canaliculata,	M'Coy.		*	*														Ring (Enniskillen). Campsie.
denudata,	Eichw.	L'', L'''												*	*			Mjatschkovo. Cosatschi-datschi.
Dione,	"	L'												*				Moscow Government.
dubia,	M'Coy.	L'			*	*	*							*				Kendal (D. Sharpe).
effosa,	Goldf.	L'			*	*	*							*				"
elegantissima,	Eichw.	MCM.			*	*	*							*				Coal-mines of Lissitschanka-balka.
elliptica,	Phill.	L', L'''	*	*	*	*	*							*				St. Doolagh's. Craigenglen. Leek.
																		Bolland.
elongata,	"	LLS., L''	*	*	*	*	*											Millicent. Castle Espie. Balglass-
																		burn. Bakewell. Chokier.
globosus,					*	*	*											Tournai. Visé. Henninghausen.
lirata,	Phill.	L', L'', L'''		*	*	*	*											Mosschat Burn. Arden. Longnor.
																		Bolland. Visé.
Marizæ,	De Vern.	L''												*				Vitegra. Archangelakoi. Mjatsch-
Michotiana,	D'Orb.	L'				*	*							*				Tournai. [kovo.
nana,	Eichw.	L'												*				Sloboda (yellow clay).
neritoides,	Phill.	L'	*											*				Tullyoran.
Normaniana,					*	*	*							*				Liège. [Cosatschi-datschi.
Omaliana,	De Kon.	L', L'''		*	*	*	*							*				Swindridge. Craigenglen. Visé.
planispira,	Phill.	L'''			*	*	*							*				Bolland.
plicistria,	"	LLS., L', L'', L'''	*	*	*	*	*							*				Doolhylebeg. Cavan. Bristol. Bol-
		LCM.																land. Dinant.
var. a,	"	L'	*											*				Armagh.
" b,	"	L''	*											*				Tyrone.
Robroystonensis, Young & Armstr.		L'''	*	*										*				Robroyston. Gare. Orchard.
rugosa,	De Kon.	L'''			*	*	*							*				Visé.
spirata,	Sow.		*	*	*	*	*							*				Moynally. Black Lion Mountain.
														*				Derbysh. Visé. Valley Siehon.
sublirata,	Ad. Röm.	LLS.									*			*				Grund.
tabulata,	Phill.	L'''			*	*	*							*				Leek. Bolland.
Uralica,	Eichw.	L'''			*	*	*							*				Cosatschi-datschi.
variata,	Phill.	LLS., L', L'''	*	*	*	*	*							*				Bowtrapping. Lowick. Bolland.
vetusta,	Sow.	LCM.			*	*	*							*				Coalbrookdale. [Visé. Choquier.
Nerita, Linnaeus, 1758. Fam. NE		RITIDE.												*				Visé.
rugosa,	De Kon.	L'''			*	*	*							*				Corry (Arran).
striata,	Flem.	LLS.?	*	*										*				
Paludina, Lamarck, 1812.														*				
basalis,	Eichw.	L'												*				Sloboda (Govt. Toula).
exaltata,	"	L'												*				" "

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Phanerotinus , <i>Sowerby</i> , 1843.											
paradoxus, Winch.	Kinderh.				*						Yellow sandst. (Burlington?).
Platyceras , <i>Conrad</i> , 1840.											
biseriale, Hall.	L'							*			Quincy (Keokuk limestone).
Chesterense, M. & W.	L'"							*			Chester.
equilatera, Hall.	L'							*			Keokuk limestone.
fissurella, "	L'							*			" "
haliotoides, M. & W.	Kinderh.							*			Newark.
Herzeri, Winch.	"							*			" "
infundibulum, M. & W.	L'							*			Keokuk limestone.
Lodiense, Meek.	Kinderh.							*			Lodi.
Nebrascensis, Hall.	UCM.		*					*			Nebraska City, &c.
paralium, W. & W.	Kinderh.			*				*			Clarksville (lithograph limestone).
Quincyianum, M'Chesn.	L'							*			Quincy.
reversum, Hall.	L'			*							Boonville.
spirigerum, Worth.	L'							*			Brighton.
subplicatum, M. & W.	L'							*			Richfield.
subrectum, "	L'							*			Nauvoo, &c.
tortum, Meek.	"							*			Greentown (Summit Co.).
uncum, M. & W.	L'"							*			Nauvoo.
Platyschisma , <i>M'Coy</i> , 1844.											
dubia, Dawson.	L'"									*	Windsor.
helicoidea, Sow.?	L'"			*							St. Genevieve.
ovoidea, Phill.	L'"									*	Pugwash.
remida, ?	UCM.				*						
Platyostoma , <i>Conrad</i> , 1843.											
Peorense, M'Chesn.	UCM.	*		*							Peoria, Clay, Fulton Cos.
? tumida, M. & W.	UCM.							*			Grayville.
Pleurotomaria , <i>DeFrance</i> , 1825.											
Beckwithana, M'Chesn.	UCM.							*			Springfield.
bicarinata, "	UCM.							*			La Salle Co.
Bonharborensis, Cox.	UCM.							*			Davies Co.
Brazocensis, Shum.	LCM.							*			Macoupin and Young Cos.
carbonaria, N. & Pr.	UCM.			*			*	*	*	*	Howard Co. Lasalle. Badger's
Chesterensis, M. & W.	L'"							*			Chester. [Mill.
concava, Hall.	L'"							*			Spergen Hill. Bloomington.
conoides, M. & W.	LCM.							*			Hodge's Creek (Macoupin Co.).
conula, Hall.	L'"							*			Spergen's Hill.
Coxana, M. & W.	LCM.							*			Nolan's Furnace. Edmonson Co.
depressa, Cox.	UCM.		*				*	*			Copperas Branch. Badger's Mill. Bon-
dispersa, Dawson.	L'"							*		*	Windsor (bed B). [harbour.
exigua, Winch.	Kinderh.						*				Jefferson. Hillsdale Co.
glandula, Shum.	UL.		*								Grasshopper's Creek. Osawka Village.
granulo-striata, M. & M.	LCM.						*	*	*	*	Macoupin Co. Hodge's Creek.
Grayvillensis, N. & Pr.	UCM, U.		*	*			*	*	*	*	Big Creek. Nebraska City. Airdrie.
											Kurz's Bank. Gibson Co.
Gurleyi, Meek.	LCM.							*			Danville.
Haydeniana, Gein.	UL.		*								Nebraska City.
Hickmanensis, Winch.	.....							*			Hickman and Maury Cos.

EUROPE, &c.

Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAL.	Locality.
Patella, Linnæus, 1758.	Metoptoma, Phillips, 1836.																Helcyon.
curvata, Phill.	L', L''			*													Parkhill. Longnor. Bolland.
depressa, Eichw.	L'													*			Tschernyschne (Govt. Kalouga).
exilis, "	L'													*			Filimonoff.
Koniackii, M'Coy.	L'	*		*													Lowick. Bundoran.
laevigata, "	L	*		*													Famignoul (D'Omal. d'Halloy).
lateralis, Phill.	L'''			*													Bolland.
mucronata, "	L'	*		*	*												Malahide. Cookstown. Bolland.
retrorsa, "	L'', L'''			*													Waulsort.
Ryckholtiana, De Kon.	L'			*													Parkhill. Longnor. Bolland.
scutiformis, Phill.	LLS., L'', L'''	*		*	*												Tournai (in clay).
sinuosa, Phill., De Kon.	LLS., L', L'', L'''	*		*	*												Drumgiver. Bolland. Waulsort.
solaris, "	L'''			*													Millicent. Bundoran. Longnor. Bol-
Phanerotinus, J. Sowerby, 1843.																	land. Visé.
angiosomus, De Kon.	L'', L'''			*	*												Longnor. Visé.
cristatus, Sow.	L'''	*		*													Lough Cooter. Derbysh. Staffordsh.
nudus, "	CL	*		*													Staffordshire.
serpula, De Kon.	L', L''	*		*	*												Kildare. Doyedale. Tournai.
Phasianella, Lamarck, 1812.																	
nana, Eichw.	L'													*			Sloboda.
subventricosa, D'Orb.	L', L'''				*												Tournai. Visé.
Pyrula, Lamarck, 1822.																	
exilis, Eichw.	L'													*			Sloboda (Govt. Toula, in yellow clay).
ornata, "	L'													*			Donetz. River Lougantschik.
Platyceras. See Acroculia.																	
Platychisma, M'Coy, 1844.																	
cirroides, M'Coy.	L'	*															Kilgrogan. Tynan.
glabrata, Phill.	L', L'''			*													Kendal. Bolland. Staffordsh. [Visé.
helicoides, Sow.	L', L'', L'''	*	*	*	*												Cork. Parkhill. I. of Man. Tournai.
Jamesii, M'Coy.	L'	*	*	*	*												Cookstown. Middlet. (Scot.), Kendal.
ovoidea, Phill.	L', L'''			*													Poolwash (I. of Man). Bolland. [&c.
nobilis, Sow.	L'	*		*													Cork.
tiara, "	L', L'', L'''			*													Kendal. Longnor. Bolland.
Pleurotomaria, De France, 1825.																	
abditata, Phill.	L'', L'''	*		*													Staffordsh. Bolland. [Vilmar.]
acuta, "	L', L'''			*	*												Settle. Bolland. Visé. (Devonian,
Altaica, De Vern.	?			*												*	
altavittata, M'Coy.	LLS., L'''	*	*	*													Drumgourna. Carluke. Bowertrap.
angulata, De Kon.	L''?, L'''			*	*												Derbysh. Visé. [ping. Stanhope.
atomaria, Phill.	L'''			*	*												Staffordshire. Bolland. Visé.
Benediana, De Kon.	L', L''', CM.	*		*													Robroyston. Gare. Tournai.
biserrata, Phill.	L''?			*													Derbyshire.
blanda, De Kon.	L'''			*													Visé.
callosa, "	L', L'', L'''			*	*												Arnside (Kendal). Longnor. Visé.
carbonaria, Eichw.	CM.			*	*									*			Lissitschanka (River Don).
carinata, Sow.	LLS., L', L'', L'''	*	*	*	*												Cookstown. Robroyston. Settle.
catenata, De Kon.	L', L'''			*	*												Bolland. Visé. Tournai.
Cauchyana, "	L'			*													Lowick. Visé.
clathrata, M'Coy.	CL	*		*													Tournai (in clay).
conica, Phill.	LLS., L', L'', L'''	*	*	*	*									*			Lowick. Northumberland.
contraria, De Kon.	L', L'''			*	*												Donegal. Gare. Gillfoot. Bolland.
costulata, Ad. Röm.	LLS.			*	*	*			*								Tournai. Visé. Sterlitamae.
																	Gare. Hamilton, &c. (W. Scotl.). Visé.
																	Lautenthal. Schulenberg.

NORTH AMERICA.

Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
humerosa,	M. & H.	UL.	*															GrasshopperCreek. OsawkaVillage.
humilis,	Hall.	L", Kinderh.						*		*								Marshall. Bloomingt. SpergenHill.
ignobilis,	Dawson.	L"													*			Windsor.
inornata,	Meek.	UCM.			*						*							Nebraska City, &c.
Isaacii,	Hall.	CL				*												Raymond Station. Waterloo.
Leavensworthana,	"	L", L"			*				*	*								Alton. Spergen Hill.
Marcouiana,	Geinitz.	UL.			*													Nebraska City.
Meekana,	Hall.	L"						*		*								Spergen Hill.
Meta,	M. & W.	L'					*		*									Warsaw (Keokuk limestone).
Mississippiensis,	C. A. White.	L'					*											Burlington.
nodulostriata,	Hall.	L"							*									Bloomington. Spergen Hill.
nota,	Winch.	Kinderh.					*											Burlington.
perhumerosa,	Meek.	UCM. &c.	*	*				*										Rula.
Piasaensis,	Hall.	L", L" ?							*									Piasa Creek. Alton.
Pratteni,	M. & W.	LCM.							*									Hodge's Creek. Macoupin Co.
quinquesulcata,	Winch.	Kinderh.					*			*								Burlington. Orange Co.
? Rota,	"	L' "					*											Alton. " Bloomington.
rotundata,	Hall.	L"							*	*								Hodge's Creek. Macoupin Co.
scitula,	M. & W.	LCM.							*									Warsaw (Keokuk limestone).
Shumardi,	"	L'					*											No locale given. [Co.
sinistrorsa,	Swall.	CM.				*												SullivanCo. Hodge'sCrk. Macoupin
speciosa,	M. & W.	LCM.			*	*	*	*	*	*					*			Jatan. Andrew Co. Bates Co.
sphaerulata,	Swall.	LCM.	*		*	*	*	*	*	*				*				Knox Co. Pittsburg.
spironema,	M. & W.	LCM.							*									Hodge's Creek.
Stella,	Winch.	Kinderh.						*										Jefferson. Hillsdale Co.
subangulata,	Hall.	L"							*									Spergen Hill.
subconstricta,	M. & W.	LCM.			*			*										Hodge's Creek. Macoupin Co.
subdecussatus,	Geinitz.	UCM.			*													Nebraska City.
subscalaris,	M. & W.	LCM.						*										Hodge's Creek. Macoupin Co.
subsnuata,	"	LCM.						*										"
subturbinata,	M. & H.	UL.	*															GrasshopperCreek. OsawkaVillage.
Swallowana,	Hall.	L'			*				*									HowardSpergenHill.Bloomington.
tabulata,	Conrad.	LCM. ?, UCM.			*	*	*	*	*	*		*						Pleasant Hill. Badger's Mill.
tectoria,	Winch.	Kinderh.			*													Burlington (yellow sandst.).
tenuicincta,	M. & W.	UCM.						*										Springfield.
textiliger,	Meek.	Kinderh.							*									Medina.
trilineata,	Hall.	L'							*									Spergen Hill. Bloomington.
trochiformis,	Swall.	L" ?			*													Cooper Co.
? tumida,	M. & W.	UCM.						*										Grayville.
turbinella,	J. C. White.	LCM.			*	*	*	*	*	*		*						Wampum. New Brighton.
turbiniiformis,	M. & W.	UCM.			*	*	*	*	*	*		*						Orange Point. Lasalle Co.
vadosa,	Hall.	Kinderh.			*			*		*		*						Marshall. Rockville. Kinderhook.
valvatiformis,	N. & W.	LCM.						*		*		*						Hodge's Creek. [Sciotoville.
virgillata,	M'Chesn. ?	UCM.						*	*	*		*						Lasalle Co., &c.
Whitei,	Winch.	Kinderh.			*			*		*		*						Marshall.
Wortheni,	Hall.	L'						*		*		*						Bloomington. Spergen Hill.
Polyphemopsis , Portlock, 1843																		Bulimella , Hall, 1856.
Chesterensis,	M. & W.	L"						*		*		*						Chester.
Chrysallis,	"	LCM.						*		*		*						Hodge's Creek.
inornata,	"	UCM.			*			*		*		*						Brett's Pit. Henry Co. Springfield.
Knappi,	Hall.	UCM.						*		*		*						Springfield.
nitidula,	M. & W.	UCM.			*			*		*		*			*			Urbana. Clair Co. Springfield. New
peracuta,	"	UCM.			*			*		*		*			*			New Brighton. [Brighton.
spec. indet.,	?																	
? Promacrus , Meek, 1871.																		
Andrewsi,		Kinderh.						*	*	*		*						Sciotoville.
Meeki,	Winch.	"						*	*	*		*						Rushville.
Pupa , Draparnaud, 1801																		<i>A pulmonate</i> .
vermillionis,	F. H. Bradley.	CM.						*		*		*						Petty's Ford. George Town.
vetusta,	Daws.	Lower MCM.													*			South Joggins (Div. iv. sect. 15).
Scalaria ?, Lamarck, 1801.																		
spec. indet.,					*													Harrisonville. Pleasant Hill.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHINISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
crenato-striata,		L'''			*													Primrose Paint Works (Tiddeman).
decipiens,	M'Coy.	L'			*													Lowick (Northumberland).
decussata,		L'	*	*														Waterhouse Hill.
delphinuloides, Schloth.,	De Kon.	L', L'''			*	*		*										Kendal. Bolland. Tournai.
depressa,	Phill.	L'', L'''			*													Park Hill. Bolland.
Dives,	De Kon.	L', L'''			*													Tournai. Visé.
var. b,		L'			*													Kendal. Lowick.
Eliana,	De Kon.	L' ? , L'''			*	*												Staffordshire. Visé.
erosa,	M'Coy.	L'			*													Lowick.
exarata,	De Kon.	L'''			*	*												Visé (north of and near Liège).
excavata,	Phill.	L'''			*	*												Bolland. Staffordshire. Visé.
expansa,		LLS., L', L'''			*	*	*											Craigenglen. Gare. Bolland. Visé.
filosa,	M'Coy.	L'	*															Millicent (Kildare).
flammigera,	Phill.	L'''			*													Bolland.
fragilis,	De Kon.	L'''			*													Visé.
Frenoyana,		L'			*	*												Gare, Orchard, Robroyston, &c. Visé.
Galeottiana,		L'			*	*												Craigenglen. Hairmyres. Visé.
gemmaulifera,	Phill.	L', L'''			*	*												Longnor. Bolland. Visé. Ratingen.
glabrata,		L'''			*													Bolland. Yorkshire.
granulosa,	De Kon.	L'''			*													Visé.
Griffithii,	M'Coy.	L', L'''	*		*	*												Rathcoole. Lowick. Visé.
helicinoides,		L'''	*	*	*													Gare. Bolland. Visé.
inconspicua,	Phill.	L'''			*													Bolland.
insculpta,	De Kon.	L'''			*													Visé.
interstitialis,	Phill.	L', L'''			*	*												Pathhead. Bolland. Tournai. Visé.
Karpinskiana,	De Vern.	L'''			*											*		Cosatschi-datschi.
Koninekii,	D'Orb.	L', L'''			*	*												Gare. Otterburn. Bolland. Tournai.
laticincta,	De Kon.	L'''			*													Visé. [Visé.]
lenticulata,	M'Coy.	L', L''	*		*	*												Cork. Longnor. Ashford.
limbata,	Phill.	L' ? , L'''			*	*												Staffordshire. Bolland. Visé.
lirata,		L'''			*													Bolland.
microcosma,	Eichw.	L'			*										*			Sloboda (Govt. Toula).
minuta,	De Kon.	L'			*	*												Famignoul (D'Omal. D'Halloy).
monilifera,	Phill.	LLS., L', L'''			*	*	*											Thornton. Craigenglen. Robroyston. Gare. Bolland. Visé.
Morrisiana,	M'Coy.		*	?														Millicent. Braidwood.
multicarinata,		L', L'	*	*														Tournai. Visé.
Munsteriana,	De Kon.	L', L'''			*													Glasgow. Tournai. Waulsort. Visé.
naticoides,		L', L', L'', CM.	*	*	*	*												Sloboda (Govt. Toula).
nitida,	Eichw.	L'			*										*			Tournai (in clay). Visé.
nobilis,	De Kon.	L', L'''			*													Carluk (Main-post limestone).
octovittata,	Hunter ?	L' ?			*													Mid-stratum. Visé.
ornatissima,	De Kon.	L'''			*													Tournai. Visé.
Panope,	D'Orb.	L', L''			*													Visé.
Phillipsiana,		L'''			*													Waulsort. Visé.
Portlockiana,		L'', L'''			*													Visé.
pulchella,		L'''			*													Tournai (in clay).
pyramidalis,		L'''			*													Waulsort.
quadricincta,		L'			*													Malabide. Staffords. Bolland (Tidde-
radula,		L', L'			*													Visé. [man].
rotundata,	Sow.	L', L', L'''	*	*	*													Bolland. Visé.
scala,	De Kon.	L'''			*													Derbyshire.
scripta,		L'''			*													Campbelltown. Tournai. Celle-veve.
sculpta,	Phill.	L'''			*	*												Waulsort.
serrilimba,					*													Kendal. Bolland. Visé.
Sowerbyana,	De Kon.	L', L'	*	*	*													Staffordshire. Visé.
spiralis ?,	Phill.	L', L'''			*	*												Cosatschi-datschi.
	De Kon.	L'''			*													Bolland. Visé (in friable limestone).
spirula,	Eichw.	L'''			*	*									*			Bolland. Staffordshire.
squamula,	Phill.	L'''			*	*												Gare. Robroyston. Derbyshire. Ger-
strialis,		L'''			*	*												miston. Tournai. Visé.
striata,	Sow.	L', L'''	*	*	*	*												Visé.
subangulata,	D'Orb.				*													" (north of and near Liège).
submoniliformis,					*													Bolland.
sulcata,	Phill.	L'''			*	*												Isle of Man. Visé.
sulcatula,					*	*												Wistow ?
suturalis,					*	*												

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Solemya , <i>Lamarck</i> , 1817																	Solenomya.
<i>biarmica</i> , De Vern.	UCM. ?	*															Council Grove.
<i>radiata</i> , Pumpelly.	LCM.			*													Brett's Pit. Henry Co.
<i>soleniformis</i> , Cox.				*						*							Ray's Coal Bank (Holden). Union Co. (no. 9 coal).
Solen , <i>Linnaeus</i> , 1758.																	
<i>quadrangularis</i> , Winch.	Kinderh.			*													Marshall.
<i>scalpriformis</i> , "	"			*													" Moscow. Napoleon.
Soleniscus , <i>Meek and Worthen</i> , 1860.																	
<i>Hallianus</i> , M. & W.	UCM.			*	*												Pleasant Hill.
<i>Macrocheilus</i> , Geinitz.																	
<i>typicus</i> , Geinitz.	UCM.			*			*										Springfield.
Straparollus , <i>Montfort</i> , 1810 ...																	Euomphalus.
<i>Ammon</i> , C. A. White.	Oolite L'st. no. 6			*													Burlington.
<i>Barrisi</i> , Winch.	Kinderh.			*													" (yellow sandst.).
<i>lens</i> , Hall.	CL.			*													Waterloo. Monro Co.
<i>macromphaus</i> , Winch.	Kinderh. ?			*													Burlington.
<i>magnificus</i> , Shum.	Carbon. Epoch ?										*	?					No locale given.
<i>perhumerus</i> , M. & W.	LCM.							*					*				New Windsor.
<i>pernodosus</i> , "	L'						*										Montgomery Co.
<i>planidorsatus</i> , "	L'						*										Chester. Randolph Co.
<i>planus</i> , M. & W.	L', LCM.						*	*									Waterloo. Monro Co.
<i>similis</i> , "	UCM.						*										Spargen Hill. Waterloo. Monro Co.
<i>subquadratus</i> , "	LCM.						*										
<i>subrugosus</i> , "	LCM.						*										
<i>umbilicatus</i> , "	LCM.				*												Pleasant Hill. Harrisonville.
Streptacis , <i>Meek</i> , 1870.																	
<i>Whitfieldii</i> , Meek.	LCM. ?			*				*									Rye Creek. Danville.
Trochita ?																	
<i>carbonaria</i> , M. & W.	L'			*				*									St. Genevieve.
Trochus , <i>Linnaeus</i> , 1758.																	
<i>Missouriensis</i> , Swall.	UCM. ?			*													Jackson Co.
Turbo , <i>Linnaeus</i> , 1758.																	
<i>bicarinatus</i> , M'Chesn. ....	.....						*										
<i>obesus</i> , Shum.	UCM.			*													Iowa Point.
<i>spec. indet.</i> , Daws.	L'												*				Pugwash. Windsor.

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Turritella? , <i>Lamarck</i> , 1801.											
minuta, Stevens.	UCM.			*							
? <i>Stevensana</i> , M. & W.	UCM.						*				

SUBKINGDOM MOLLUSCA. PROVINCE ODONTOPHORA. CLASS CEPHALOPODA.

ACTINOCERAS.]

[CARBONIFEROUS.

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Actinoceras , <i>Brown</i> , 1835.											
expansum, M. & W.	L'''						*				Henry and M'Donough Co ^s .
inops, Daws.	L'''									*	East River. Pictou.
Clymenia , <i>Münster</i> , 1832.											
spec. indet., Winch.	Kinderh.					*					Marshall.
Cyrtoceras , <i>Goldfuss</i> , 1833.											
(<i>Aploceras</i>) <i>curtum</i> , M. & W.	UCM.						*				Graysville.
<i>dilatatum</i> , "	UCM.						*				Springfield.
<i>Rockfordense</i> , Winch.	Kinderh.					*					Rockford.

[illegible]

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
tessellatum ?, unicorne,	De Kon. Winch.	Kinderh. .... ,, .....	..... .....	..... .....	..... .....	..... .....	..... *	* .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	Marshall. Burlington (yellow sandst.).
Discites , <i>M'Coy</i> , 1844. (<i>Nautilus</i>) disciformis, M. & W. L'																		
Niota. Hancock Co.																		
Gomphoceras , <i>Sowerby</i> , 1839. spec. indet. (2), Shum. Kinderh.																		
Goniatites , <i>De Haan</i> , 1825.																		
Allej,	Winch.	Kinderh. ....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jonesville.
Andrewsi,	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	Newark.
Choctawensis,	Shum.	UCM. ....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	(In limestone UCM.).
compactus,	M. & W.	UCM. ....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	Macoupin Co.
crenistria,	Phill.	LCM. ....	.....	.....	.....	.....	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	Danville. Summit.
globulosus,	M. & W.	UCM. ....	*	.....	.....	*	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	Pleasant Hill. Springfield.
gracilis,	Hall.	Kinderh. ....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	Rockford.
Hathawayanus,	M'Chesn.	UCM. ....	.....	.....	.....	*	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	Neale's Coal Bank. La Salle Co.
Holmesii,	Swall.	Kinderh. ....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Cooper Co.
Houghtoni,	Winch.	"	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Marshall.
Iowensis,	M. & W.	LCM. ....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Alpine Dam.
Ixioni,	Hall.	Kinderh. ....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	Rockford.
Lyoni,	"	"	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	"
Marshallensis,	Winch.	"	.....	.....	.....	.....	.....	.....	*	.....	*	.....	.....	.....	.....	.....	.....	Napoleon Cut. Weymouth. Newark.
minimus,	B. F. Shum.	MCM. ....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dover's Landing.
Morganensis,	B.F.Shum.&Swall.	Kinderh. ....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chouteau Springs.
Nolinensis,	Cox.	LCM. ....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	Noliu Works. Edmondson Co.
Ohioensis,	Winch.	Kinderh. ....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	Newark.
opimus,	W. & Wh.	"	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Burlington (Chemung Group?).
Osagensis,	Swall.	MCM. ....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lexington. Lane's Pit. Moniteau Co.
Oweni,	Winch.	Kinderh. ....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Marshall. Point aux Barques. South
var. parallela,	"	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	[Lake Huron.
parvus,	B. F. Shum.	UCM. ....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Willow Springs. Santa Fé Road.
planorbiformis,	Swall.	MCM. ....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dover's Landing. South Blackbird.
politus,	B. F. Shum.	MCM. ....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lane's Pit. Lexington. [Putnam Co.
princeps,	De Kon.	Kinderh. ....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	Rockford.
propinquus,	Winch.	" Grist.	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Point aux Barques. L.Huron south.
pygmaeus,	"	"	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Battle Creek.
Romingeri,	Winch.	Kinderh. ....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Marshall.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
decrescens,	Trautsch.	L'													*			Lihkvine (Govt. Kalouga). Saborje.
deflexum,	"	L'													*			Saborje by Serpuckhof.
Gesneri,	Martin.	L', L'	*	*	*	*									*			Gare. Craigenglen. Robroyston.
Machaneki,	Stur.	Culm, 2nd Zone										*						Sudetic Mountains, &c.
novem-angulatum.	De Vern.	.....													*			Cosatschi-datschi.
pollex,	Eichw.	L'													*			"
Puzosianum,	De Kon.	L'				*									*			Tournai.
rugosum,	Fleming.	L', L', L'	*	*											*			Orchard. Southhill. Craigenglen.
																		Westerhouse. Hill. Derbyshire.
																		Visé. Saborje (Moscow).
reticulatum ?,	De Kon.	CL.			*													Devonian ?
semicirculare,	Eichw.	L'													*			Cosatschi-datschi.
subcostatum,	"	L'													*			RiverSerena (Govt. Kalouga).
subdepressum,	"	L'													*			Karowa. Bieleff (Govt. Kalouga).
tenuis,	De Kon.	L'			*										*			Tournai (upper clay).
tessellatum,	"	L'			*										*			Visé.
unguis,	Phill.	.....	*												*			Robroyston.
Verneuilianum,	De Kon.	L', L'			*										*			Tournai.
Discites, M'Coy, 1844.																		
complanatus,	Sow.	L'			*													Isle of Man.
compressus,	"	L'	*															
costellatus,	M'Coy.	L', L'	*	*	*													Millicent. Longnor. Isle of Man.
discors,	"	LLS., L'	*															Monaster.
discus,	Sow.	LLS., L'	*	*	*													Kildare. Bakewell. Kendal.
falcatus,	"	LCM., M., U.	*	*	*													Coal Boss. Pottery Field.
hexagonus,	De Kon.	.....			*													Staffordshire.
latidorsatus,	M'Coy.	L'	*															Millicent.
L'Eveilleanus,	De Kon.	L', L'	*	*	*	*												Kendal. Bolland. Visé.
rotifer,	Salter.	LCM., M.	*	*	*	*												Oldham. Ashton-under-Lyne.
subsulcatus,	Phill.	L', L', L', LCM	*	*	*	*												Cork. Kildare. Longnor. Bolland.
																		Coalbrookdale. Tournai.
sulcatus,	Sow.	LCM.	*	*	*													Cavan. Cork. Kulkeagh. Kendal.
tetragonus,	Phill.	LLS., L', L', L'	*	*	*										*			Kulkeagh. Altonstone. Bolland.
																		Kalouga Govt.
Gomphoceras, Sowerby, 1839...																		Phragmoceras, 1839.
Hesperis,	Eichw.	L'													*			Lihkvine (Govt. Kalouga).
Lagena,	"	L'													*			Sloboda (Toula).
scalariforme,	Stur.	Culm										*			*			Sudetic Mountains.
trochoides,	Fischer.	L'													*			Karowa (Kalouga). Lihkvine.
Goniates, De Haan, 1825																		Aganides, Montfort.
arcuatilobus,	Ludwig.	LCM.				*			*									Spröckhovel, on River Ruhr.
atratus,	Goldfuss.	LCM.	*	*	*	*												Chokier. [datschi.
Barbotanus,	De Vern.	LCM., L'	*	*	*										*			Isle of Man. Kilmarnock. Cosatschi.
Belvalianus,	De Kon.	LCM., L'			*										*			Waulsort. Tournai. Celle-veve.
bidorsalis,	Phill.	L'			*										*			Woodfold (shale).
bilinguis,	Salter.	M. Grit, LCM.			*										*			Oldham. Clitheroe.
Brownii,	M'Coy.	CL.	*															[wood. Visé.
calyx,	Phill.	L'	*	*	*	*												Staffordsh.Todmorden. HighGreen.
carbonarius,	Sow.	Passage-bed			*				*									Venn.Barnstapl.Hoffnung.Werden.
carina,	Phill.	L'			*													Bolland. Visé (mid-strata).
ceratitoides,	Von Buch.	L'			*	*			*									" Visé (mid-strata).
cinctus,	Münst.	L'			*	*			*						*			" Falkenberg.
complicatus,	De Kon.	L'			*	*									*			Cosatschi-datschi.
coronula,	Ad. Röm.	LLS. or L'							*						*			Bolland. Visé.
crenistria,	Phill.	LLS., L', L'	*	*	*	*	*	*	*	*	*	*	*	*	*			Rockweise.
	Millst.Grit&c.	.....						*		*	*	*	*	*	*			Courtough. Fermanagh. Werden.
																		Bromberge. Grund.
var. β,	"	LLS., L', L'	*	*	*	*	*	*	*	*	*	*	*	*	*			[Cosatschi-datschi.
cyclolobus,	De Kon.	L', L', M. Grit, LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*			Wolgan's Town. Bolland. Grund.
diadema,	"	L', L', L', M. Grit, LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*			Kulkeagh. Arbigland. Todmorden.
															*			Chokier. Cosatschi-datschi.
discus,	M'Coy.	LLS.	*												*			Cork.
"	Ad. Röm.	LLS.								*	*				*			Grund. Sudetic Mountains.
dorsalis,	Brown.	L'			*										*			Todmorden.
evolutus,	Phill.	L' or L'			*										*			Flasby. Chrome Hill (Derbys.), &c.
excavatus,	"	LLS., L', L'	*	*	*	*	*	*	*	*	*	*	*	*	*			Black Lion Mountains. Ballyduff.
															*			Robroyston. Gare. Bolland, &c.
expansus,	Von Buch.	L'			*										*			Mam-Tor (Derbyshire).
falcatus,	Ad. Röm.	LLS.									*				*			Launthal.
fals,	Eichw.	LCM.													*			Kachkabaschi.

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.										
		ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Shumardianus, sphaericus, D'Arch. & De Vern. spec. indet., Worthen.	Kinderh. ....	.....	.....	.....	.....	.....	*	.....	.....	*	Point aux Barques. Newark.
	Kinderh. ....	.....	.....	.....	.....	.....	*	.....	.....	.....	New York State.

		EUROPE, &c.																
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
fasciculatus,	M'Coy.	L'	*															Millicent.
foraminosus,	Phill.	L'''			*													Bolland (Yorkshire).
funatus,	Sow.	L'	*		*	*												Cork. Tournai.
furcatus,		L', L'''	*		*													Blanchardstown. Michelst. Dunsink.
Gibsoni,	Phill.	LLS., L''', M.Gr., LCM.	*	*	*													Ballinacourty. Maynouth. Gare. High Greenwood.
Gilbertsoni,		L''', Millst. Grit	*	*	*													Cahirnanalt. Hosie. Staffordshire.
granosus,	Portlock.	L''	*															Clogher (Tyrone, shale).
Helvalianus,	De Kon.	L'				*												Tournai.
Henslowi,	Sow.	L'', L''', M. Grit			*													Isle of Man. Park Hill. Clitheroe.
implicatus,	Phill.	L', L'''	*	*	*	*												Robroyst. Gare. Black Hall. Staffords.
ingens,	G. Tate.	L'	*		*													Sear limestone. [Famignoul.
intercostalis,	Phill.	LLS., L'	*		*					*								Cross-Patrick. Staffords. Emyvale. Bolland. Schulenberg.
intermedius,	Brown.	L''			*													High Greenwood shale.
interruptus,	De Kon.					*												Visé (mid-strata).
Jossæ,	De Vern.	L'', M. Grit.			*									*				Bolton-le-Moors. Cosatschi-datschi.
jugosus,	Brown.	Shale, LCM.			*													Hebden Bridge. [Artinsk.
Kenyoni,					*													
Kingianus,	De Vern.	LCM.													*			Artinsk.
Koninckianus,		LCM.													*			" Kachkabaschi.
latus,	M'Coy.	L'.....	*															Millicent.
Listeri,	Martin.	LLS., L', M. Grit, LCM. &c.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Portumna. Goldsitch. Trou-souri. Werden. Hohenlohehutte.
Longthorni,	Brown.	LCM.			*													Hebden Bridge (shale).
Looneyi,	Phill.	L', L', L'', M. Grit, &c.	*	*	*				*									Cahirnanalt. Gare. Staffordshire. Austrian Silesia.
Machaneki,	Stur.	Culm									*							Sudetic Mountains.
Marianus,	De Vern.	L'''													*			Cosatschi-datschi.
miconotus,	Phill.	LLS., L', L'', M. Grit.	*	*	*													Black Lion Mounts. Ballinacourty. Bolland. Felthouse Wood.
minutissimus,	Brown.	LCM.			*													Millwood. Todmorden.
mixolobus,	Phill.	L'', LLS., M.Gr.			*				*	*	*							Bolland. Melch-Troppau. Lautenthal. Sudetic Mountains.
mucronotus,	(Hunter).	L'''		*														Gare.
mutabilis,	Phill.	L', L'', L'''	*	*	*	*												Cregg. Campbelltown. Robroyston. Gare. Todmorden. Visé &c.
nitidus,	"	L'''			*													Riv. Ribble. Yorkshire. Staffords.
obtusius,	"	L', L'''	*		*	*												Woollands. Ballyduff. Black Hall.
Orbignanus,	De Vern.	LCM.			*										*			Artinsk. Kachkabaschi. [Congleton.
paradoxicus,	Brown.	L'''			*													Todmorden (shale).
parvus,	"	L'''			*													" Hoolebottom (shale).
paucilobus,	Phill.	L''' M.Gr., LCM	*	*	*													Robroyston. Gare. Bolton-le-M.
platylobus,	"	LCM., L''', Culm			*					*								Bolland. Grund. [Oldham.
princeps,	De Kon.	L'	*		*													Cork. Tournai.
prior,	Stur.	Culm	*								*							Brunn. Blansko. Sudetic Mountains.
proteus,	Brown.	L'''	*		*													Todmorden. Lob Mill.
reticulatus,	Phill.	LLS., L', L'', M. Grit, LCM.	*	*	*	*				*								Mount Phelim. Gare. Rae's Gill. Grund.
rotatorius,	De Kon.	L'			*													Tournai.
rotiformis,	Phill.	M. Grit, L'''	*		*													Kulkeagh. Bolland. Staffords.
serpentinus,	"	LLS., L'', L''', M. Grit.	*	*	*	*												Cahirnanalt. Ulstonfield. Bolland. Visé.
Smithii,	Brown.	CL., LCM.			*													Millwood. Todmorden.
Soboliskianus,	De Vern.	LCM. ?													*			Artinsk. Kachkabaschi.
spiralis,	Phill.	M. Grit	*	*	*					*								Co. Meath. Pule Hill (Yorks.). Grund.
spirorbis,	"	L''', M. Grit	*	*	*	*												Black Hall. Staffords., &c. Visé.
sphaericus,	De Haan.	LLS., L', L'''	*	*	*	*								*				Kildare. Gare. Bolland. Chakier. Mohradorf. Moscow.
sphaeroidalis,	M'Coy.	L'	*															Nenagh (Tipperary).
spiriferus,	Ad. Röm.									*								Lautenthal.
splendidus,	Brown.	L'''			*													High Greenwood.
(platylobus) stenolobus,	Phill.	L'''			*													Bolland.
striatus,	Sow.	LLS., L'''	*	*	*	*	*	*	*									Clogher. Gare. Flasby. Visé, &c.
striolatus,	"	LLS., L', L'''	*	*	*	*	*	*	*									Cork. Kinsale. Ballymahon. Robroyston. Gare. High Greenwood.
subsulcatus,	Brown.	LCM.			*													Hebden Bridge.
truncatus,	Phill.	LLS., L', L'', L'''	*	*	*	*				*								Dunsink, &c. Oldham. Bolland. Grund.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Gyroceras, De Koninck, 1844.																	
Burlingtonensis, D. D. Owen.	L'					*											Burlington.
Hartii, Dawson.	L"													*			Windsor.
Rockfordensis, M. & W.	Kinderh.								*								Rockford.
Nautilus, Linnæus, 1758																	
Subgenera Trematodiscus, Endolobus, Meek and Worthen.																	
altidorsalis, Winch.	Kinderh.						*										Marshall.
(Cryptoceras) Avonensis, Daws.	L'												*				Windsor. Minudie. Stewiakce.
biangulatus, M. & W.	.....																
canaliculatus, Cox.	MCM.										*						Nolin ironworks.
(Cryptoceras) capax, M. & W.	LCM. ?			*													Charbonnière.
Chesterensis, " L'" .....	.....						*										Gravel Creek (Chester).
Clarkanus, Hall.	L"							*									Spergen Hill.
(Solenochilus) collectus, M. & W.	L"							*									New Providence.
concauus, Sow.	MCM.								*								Nolin ironworks.
Coxanus, M. & W.	L"							*									New Providence.
decoratus, Cox.	L', UCM.							*	*	*							Waggon-defeat Creek. Beardsley's Bank. Muhlenburg Co.
(Trematodiscus) digonus, M. & W.	Kinderh.			*			*	*									Rockford, &c.
discoidalis, Winch.	"						*	*									Battle Crk. Rockford. Kinderhook.
divisus, White & St. John.	UCM.			*													Tremont Co.
excentricus, M. & H.	UCM.			*													Smoky-Hill River.
ferratus, Cox.	MCM.	*		*						*							Henry Co. Brett's Pit. Dismal Crk.
Forbesianus, McChesn.	.....			*				*									Carnahan's Mine (Mercer Co.).
Gilpini, G. C. Swallow.	MCM.			*													Wayne City.
globatus, Sow.?	L'', MCM.							*	*	*		*					Kaskaskia. Pittsburg.
Illinoisensis, McChesn.	UCM.							*									In limestone.
ingentior, Winch.	Kinderh.						*										Marshall.
Kentuckyensis, " "	.....						*	*	*								Danville. Yellow Creek.
Lasalleensis, M. & W.	UCM.							*									Lasalle Co.
latus, " "	LCM.							*									Rock-Island Co.
Leidyi, " "	L'	*						*		*							Warsaw (Keokuk limestone).
L'Eveilléensis, ?	?																
Meekianus, Winch.	Kinderh.						*										Marshall.
Missouriensis, Swall.	LCM. (base) ..			*													Boone Co. (in limestone).
(Temnochilus) Niotensis, L'	.....							*									Niota (Keokuk limestone).
nodocarínatus, McChesn.	UCM.							*									Graysville.
nodosodoratus, B. F. Shum.	UCM.	*	*	*													Kansas and Verdigris valleys. Jatan. Andrew Co.
occidentalis, McChesn.	MCM., U.							*									Graysville.
planidorsalis, Winch.	MCM., U.			*	*	*											" &c.
planorbiformis, M. & W.	MCM.			*	*	*											Alpine Dam.
planorbis, " "	LCM. or U.			*													[Branch.]
planovolvis, Shum.	UCM.			*	*	*											Belleville. Lashes Pit. Copperas
ponderosus, C. A. White.	UCM.			*	*	*											?
Rockfordensis, M. & W.	Kinderh.							*									Rockford.
Sangamonensis, " "	UCM.							*									Sangamon Co.
(Endolobus) spectabilis, " L'" .....	.....							*									Gravel Creek (Randolf Co.).
(Cryptoceras) Springeri, White.	UCM.						*										Adair Co.
striatulus, Winch.	Kinderh.						*										Marshall.
striatus, " "	LCM.							*	*	*		*					Danville. Pittsburg.
strigatus, Winch.	Kinderh.						*										Marshall.
subsulcatus?, Phill.	"						*										"
sulcatus, Sow.?	L"			*													St. Genevieve Co.
trigonus, Winch.	Kinderh.						*										Marshall.
trisulcatus, M. & W.	"							*	*	*							Rockville.
<i>Trematodiscus.</i>																	

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
tumidus,	Ad. Röm.	LLS.								*	*							Grund.
? umbilicus,	Münst.				*					*								Todmorden. Skipton.
undulatus,	Brown.	L'''			*	*												Kulkeagh. Gare. Robroyston. Black
vesica,	Phill.	LLS., L'''	*	*	*													Hall. High Greenwood.
vittiger,	"	LLS., L'', L''', M. Grit.	*		*	*								*				Cahirnanalt. Park Hill. Bolland. Visé.
spec. indet.,	Ferd. Röm.								*									
"	Etheridge.	LCM., M.			*													
Gyroceras, De Koninck, 1844.																		
Aigoceras,	Münst.	L'				*												Tournai.
biangulatum,	Sow.	CL.			*													Famignoul.
Edwardianum,	"	L'			*													"
Meyerianum,	De Kon.	L			*	*												Tournai.
Omalianum,	Sow.	CL.			*													Famignoul.
tuberculatum,	"	L'			*													"
Nautilus, Linnaeus, 1758.																		
Aturia, Bronn	Eichw.	L'''												*				Temnocheilus pars, M'Coy.
ammonius,	Sow.	LCM.			*	*												Cosatschi-datschi.
armatus,	"	LLS., L', L'', L'''	*	*	*	*												Coalbrookdale. Shropshire.
biangulatus,	"		*	*	*	*												Castleknock. Cork. Gare. Bristol.
bicarinatus,	De Vern.	L''', LCM.	*	*										*				Bolland. Visé. [datschi.
bilobatus,	Sow.	L', LCM.		*	*	*			*									Ballin-garrane. Carluke. Cosatschi.
bistrialis,	Phill.	L'''		*	*													Closeburn. Lowick. Coalbrookdale.
canaliculatus,	Eichw.	L'			*									*				Leek. Staffordshire. Bolland.
carinatus,	"	L'												*				Borowitschi (Govt. Kalouga).
cariniferus,	Sow.	L', L''', LCM.	*	*	*	*								*				" [Tournai.
clitellarius,	"	LCM.		*	*	*								*	*			Kildare. Coalbrookdale. Bolland.
complanatus,	"			*	*	*								*				Coalbrookdale. Karowa. Cosatschi.
conceus,	"	L''', LCM.		*	*	*			*									Isle of Man. [datschi.
coronatus,	M'Coy.	L'		*	*	*								*				Bolland. Visé. King's Pit (Silesia).
costalis,	Phill.	L'		*	*	*								*				Lowick (Northumberland).
costata-coronatus,	M'Coy.	L'		*	*	*								*				Kildare. Staffordshire.
costellatus,	"	?		*	*	*		*						*				Lowick.
Coyanus,	D'Orb.	L'		*	*	*								*				Cresset. Vallée Sichon (Prof. Julien).
cyclostoma,	Phill.	L'', L'''		*	*	*								*				Malowka (Govts. Toula and Riesan).
dorsalis,	"	L', L'', L'''	*	*	*	*								*				Castleton. Bolland. Visé. Medinsk.
Edwardianus,	De Kon.	L'''		*	*	*								*				Kildare. Castle Cary. Bolland. Waul.
endosiphonus,	Sow.	Millst. Grit.		*	*	*								*				Leek. Staffordsh. Visé. [sort.
excentricus,	Eichw.	L'		*	*	*								*				Halifax shale.
falcatus,	Sow.	LCM.		*	*	*								*				Bensk (river Volga).
globatus (Temnochilus),	"	L', L'', L'''	*	*	*	*	*	*						*				Coalbrookdale. Shropshire.
goniolobus,	Phill.	L'''		*	*	*								*				Coalbrookdale. Shropshire.
Hesperis,	Eichw.	L'		*	*	*								*				Kerry. Campbelltown. Staffordshire.
ingens,	Martin.	L', L''		*	*	*								*				Bolland. Visé. Cresset. Poolin.
Koninekii,	D'Orb.	L', L'''	*	*	*	*								*				Ratingen.
Luidii,	Martin.	L', Millst. Grit.		*	*	*								*				Bolland (Yorkshire).
marginatus,	Flem.	L', L''		*	*	*								*				Borowitschi.
multicarinatus,	Sow.		*	*	*	*								*				Campbelltown. Beith. Robroyston.
mutabilis,	M'Coy.	CL.	*	*	*	*								*				Lowick. Staffords. Govt. Kalouga.
nodiferus,	Armstrong.		*	*	*	*								*				Kildare. Courtlough. Tournai.
nodoso-carinatus,	F. Röm.?			*	*	*				*				*				Ashford. Derbyshire.
Omalianus,	De Kon.	L'''		*	*	*								*				Bathgate. Main limest. in W. Scotl.
oxystomus,	Phill.	LLS., L', L'''	*	*	*	*								*				Tyrone. Cork. Cumberl. Famignoul.
pentagonus,	Sow.		*	*	*	*								*				Famignoul.
perplanatus,	Portl.	L'	*	*	*	*								*				Balquharhage. Milton. Robroyston.
Phillipsianus,	D'Orb.	L'?, L'''	*	*	*	*								*				Gare. Kirktonholm.
pinguis,	M'Coy.	L', L'''	*	*	*	*								*				Caroline Pit.
planidosatus,	Portl.	L', Millst. Grit.	*	*	*	*								*				Visé, near Liège.
polytrichus,	Ad. Röm.	LCM., M.	*	*	*	*								*				Florence Ct. Gare. I. of Man. Visé.
precox,	Salter.	LCM., M.	*	*	*	*								*				Closeburn.
quadratus,	Flem.	L'''	*	*	*	*								*				Crevenich (Fermanagh).
regulus,	Eichw.	L'	*	*	*	*								*				Castleton. Visé. [(Toula).
stygalis,	De Kon.	L'', L''', MCM.	*	*	*	*								*				Cork. Tournai. Visé. Malowka.
sulciferus,	L'Eveillé.	L'	*	*	*	*								*				Derryloran. Castle Cary.

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NORTH AMERICA.

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EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Morrisianum,	De Kon.	L'', L'''				*									*			Waulsort. Visé. Cosatschi-datschi.
mucronatum,	M'Coy.	L', L'''	*	*														Gare.
multiseptatum,	Tate.	LLS., Tuedian..			*													Durham. Northumberland.
Munsterianum,	De Kon.	L', LLS.	*	*	*													S. Hill. I. of Man. Settle. Tournai.
ornatum,	Eichw.	L''													*			Visé.
ovale,	Phill.	L'', L'''	*	*	*										*			Moscow? (white limest.).
polyphemus,	Fischer.	L''	*	*											*			Nobber. Orchard. Gare. Riv. Sirena.
pygmæum,	De Kon.	L', L''', LCM.	*	*	*	*												Govt. Kalouga. [kier.
pyramidale,	Flem.	LLS., L', L'' ..	*	*														Gare. Southill Pit. Penistone. Cho-
regulare?,	Schloth.	L'''				*	*											Millicent. Doneraile. Livingstone
reticulatum,	Phill.	L'''				*												(West Scotland).
rugosum,	Flem.	L', L'''	*	*	*													Visé (also Devonian).
sagitta,	?	L'''				*												Staffordshire. Bolland.
scalare,	D'Arch. & Von Meyer.	LCM., LLS.								*	*	*						D'Arcy. Northumberland. Long-
"	Goldf.	L''	*															nor. Ashford. Visé.
scalpatrum,	Sow.	LCM.				*												Visé.
Sowerbyi,	M'Coy.	L'	[CM.	*	*													Leobschutz. Clausthal. Mohradorf.
Steinhaueri,	Sow.	LLS., L', L''' ..	*	*														Westown. Ford of Fine.
striatum,	"	L', LLS., &c.	*	*	*													Coalbrookdale. Shropshire.
strigillatum,	De Kon.	LCM.	*	*														Closeburn (Dumfries.). Lowick.
striolatum,	Münst.	LLS.	*	*	*				*	*	*							Cahirnanalt. Rush. Bolland. Halifax.
subcanaliculatum,	De Kon.	L'			*	*												Cork (black rock).
subcentrale,	"	L', L'''	*	*		*												Chokier (alum-schists). Grivignée.
sublinearis,	Flem.	L', LCM.	*	*		*												Leobschutz. Lautenthal. Clausthal.
sulcatum,	Ad. Röm.	L'				*												Mohradorf.
telescopium,	Ether.	L', L'''				*												Staffordshire. Tournai.
tuberculatum,	Ad. Röm. & Flem.	L', L''	*	*	*	?			*									Orchard. Robroyston. Gare. Tour-
undatum,	Sow.	LLS., Mill. Grit, ..	*	*					*									Tournai.
undulatum,	Phill.	L', L'', L'''	*	*	*	*			*									[nai.
unguis,	Fischer.	L''													*			Harrowfield.
vestitum,	Haughton.	L'	*															Hohenlohe Pit.
Wrightii,	F. Röm.	L'	*						*									Chrome Hill (Derbyshire).
spec. indet.,	Haughton.	L'	*															Craigenglen. Beith. Robroyston.
"	Gomphoceras s.																	Gare. Caroline Pit.
Phragmoceras, Broderip, 1839.	M'Coy.	LLS.	*															Cumberland. Castleton. Longnor.
flexistria,	Sow.	L'	*	*														Bolland.
Poterioceras, M'Coy, 1844.	M'Coy.	L'	*	*														Ardeonnaught. Gare. Parkhill. Bol-
cordiforme,	Sow.	L'	*	*														land. Visé. Tournai.
cornu-vaccinum,	M'Coy.	L'	*	*														Moscow. Karowa (Govt. Kalouga).
fusiforme,	Sow.	L', L'''	*	*														Cork and Clonmel.
ventricosum,	M'Coy.	L'	*	*														Upper Silesia.
Rhyncholites, Faure-Biguet, 1819.	Ad. Röm.	LLS.	*															Cork and Clonmel.
sella,	Ad. Röm.	LLS.	*								*							Killycloghy (Lisbellaw).
Spirula, Lamarck, 1801.	Eichw.	L', LCM.												*	*			Craigie. Kilmarnock. Lowick.
tuberculatum,	Fischer.	Melia.												*				Lowick.
Thoracoceras, Fischer.	Fischer.	L'	*											*				Cork. Bolland.
crepitaculum,	Eichw.	L'	*											*				Arden. High Blantyre. Carluke.
distans,	"	L'	*											*				
notatum,	"	L'	*											*				Lautenthal.
Trigonoceras, M'Coy, 1844.	Sow.	L'	*															Riv. Prikscha (Borowitschi). Kach-
paradoxicum,	De Kon.	CL.	*	*	*													kabaschi (Artinsk).
serratum,	De Kon.	CL.	*	*	*													Borowitschi (Govt. Novogorod).
																		Alexine (Govt. Toula). Nara River.
																		Woronowaya (Peremyschl district).
																		Kildare.
																		Staffordshire. Tournai. Visé.

SUBKINGDOM VERTEBRATA. PROVINCE BRANCHIATA. CLASS PISCES.

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.															Locality.	
		ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.		NEW BRUNSWICK.
Acondylacanthus , <i>St. John and æquicostatus</i> , <i>gracilis</i> , St. J. & W.	Worthen, 1875. L' (Keokuk) Kinderh.					*		*									Warsaw. Burlington (in both fish-beds).
Acrolepis , <i>Agassiz</i> , 1843. Fam. SAURODEI. ? <i>Hortonensis</i> , Dawson. Sub M. Coal													*				Horton Bluff.
Agassizodus , <i>St. John and Worthen</i> , 1875. <i>scitulus</i> , St. J. & W.	LCM., M.					*		*									South Central Iowa. Springfield. Mazon Creek. Osage, Fremont, Lasalle Cos.
<i>variabilis</i> , N. & W.	UCM.		*			*		*									
Amacanthus , <i>St. John and Worthen</i> , 1875. <i>gibbosus</i> , N. & W.	L''					*											St. Louis Co.
Amblypterus , <i>Agassiz</i> , 1843. <i>macropterus</i> ?, Agass.								*									Mazon Creek (Grundy Co.).
Anaclitacanthus , <i>St. John and Worthen</i> , 1875. <i>semicostatus</i> , St. J. & W.	L					*											Burlington.
Antliodus , <i>Newberry and Worthen</i> , 1866																	Fam. PETALODONTIDEA.
<i>cucullus</i> , N. & W.	L''							*									Nauvoo.
<i>gracilis</i> , St. J. & W.	L''							*									Piasa Creek (Warsaw).
<i>minutus</i> , N. & W.	L''							*									Warsaw.
<i>mucronatus</i> , "	L'''							*									Alton.
<i>parvulus</i> , "	L'					*	?										Burlington.
<i>perovalis</i> , St. J. & W.	L''							*									Warsaw.
<i>politus</i> , N. & W.	L''							*									"
<i>robustus</i> , "	L'''							*									Chester.
<i>sarcululus</i> , "	L					*											Burlington.
<i>similis</i> , "	L' (Keokuk)							*									Warsaw.
<i>simplex</i> , "	L'					*											Burlington.
<i>sulcatus</i> , "	L''							*									Warsaw.
<i>spec. indet.</i> , "	UCM. (limest.)		*														
<i>"</i> , C. A. White.	L'					*											Burlington.
Aspidodus , <i>Newberry and Worthen</i> , 1866. <i>convolutus</i> , N. & W.	L''							*									Chester.
<i>crenulatus</i> , "	L'''							*		*							" (in bed 20, Sewanee Sect.).
Asterptychius , <i>Agassiz</i> , 1843. <i>bellulus</i> , St. J. & W.	LCM.					*		*									Fort Dodge, Carlinsville (below M. [Grit].)
<i>Keokuki</i> , "	L'							*									Warsaw.
<i>St. Ludovici</i> , "	L''							*									Alton.
<i>tenuis</i> , "	L''							*									Carroll's Place (Pope Co.).
<i>triangularis</i> , "	L'							*									Quincy.
<i>vetustus</i> , "	Kinderh.					*											Burlington.
Batacanthus , <i>St. John and Worthen</i> , 1875. <i>bauliformis</i> , St. J. & W.	L', L''					*	*		*								La Grange. St. Francisville. Keokuk fish-bed. Nauvoo. Hamilton. Warsaw.
<i>stellatus</i> , N. & W.	L'							*									
Bythiacanthus , <i>St. John and Worthen</i> , 1875. Van Hornei, St. J. & W.	L'''							*									Alton.
Calopodus , <i>St. John and Worthen</i> , 1875. <i>apicalis</i> , MCM.						*											Panova coal (Guthrie Co.).

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Ceratodus , <i>Cope</i> , 1875? CTENODIPTERINI. <i>Vinslovii</i> , <i>Cope</i> . Blackish Shale...								*									Locale unknown.
Cheirodus , <i>M'Coy</i> , 1848. Fam. CESTRACIONTIDÆ. <i>acutus</i> , Newberry. LCM. <i>brevis</i> , " LCM. <i>Climaxodus</i> , <i>M'Coy</i> .									*								Linton. Columbiana Co. " "
Cholodus , <i>St. John and Worthen</i> , 1875. <i>inaequalis</i> , <i>St. J. & W.</i> UCM.						*		*									Clarinda. Springfield.
Chomatodus , <i>Agassiz</i> , 1838. Fam. CESTRACIONTIDÆ. <i>affinis</i> , <i>N. & W.</i> L' <i>angularis</i> , " UCM. <i>arcuatus</i> , <i>St. John</i> . UCM. <i>comptus</i> , <i>St. J. & W.</i> L' <i>costatus</i> , <i>N. & W.</i> L' <i>cutellus</i> , " L' <i>elegans</i> , " L' <i>gracilis</i> , ? <i>gracillimus</i> , " L' <i>inconstans</i> , <i>St. J. & W.</i> L' <i>incrassatus</i> , " L' <i>loriformis</i> , <i>N. & W.</i> L' <i>molaris</i> , " L' <i>multiplicatus</i> , " L' <i>obscurus</i> , <i>Leidy</i> . L' L' <i>parallelus</i> , <i>St. J. & W.</i> L' <i>pusillus</i> , <i>M. & W.</i> L' <i>venustus</i> , <i>Leidy</i> . L' <i>spec. indet.</i> , <i>N. & W.</i> UCM. " <i>White</i> . L' " <i>Cox</i>				*				*									Appanoose Co. Keokuk. Lasalle Co. [City. Bellevue. Bennet's Mill. Nebraska Burlington fish-bed. Nauvoo. Chester Co. Keokuk. Burlington. St.-Louis Co. St. Louis, Pella, Alton. Warsaw. Burlington. Boonsville. Piasa Creek. Nauvoo. " " "
Cladodus , <i>Agassiz</i> , 1840. Fam. HYBODONTIDÆ. <i>acuminatus</i> , Newberry. LCM. <i>alternatus</i> , <i>St. J. & W.</i> Kinderh. <i>angulatus</i> , <i>N. & W.</i> L' <i>bellifer</i> , <i>St. J. & W.</i> Kinderh. <i>carinatus</i> , " MCM. <i>costatus</i> , ? L' <i>deflexus</i> , <i>N. & W.</i> L' <i>eccentricus</i> , <i>St. J. & W.</i> L' <i>elegans</i> , <i>N. & W.</i> L' <i>euglyphus</i> , <i>St. J. & W.</i> L' <i>exiguus</i> , " Kinderh. <i>ferox</i> , <i>N. & W.</i> L' <i>Fulleri</i> , <i>St. J. & W.</i> MCM. <i>gomphoides</i> , " L' <i>gracilis</i> , <i>N. & W.</i> LCM. <i>grandis</i> , " L' <i>Hertzeri</i> , Newberry. Shaly Limest. <i>Hornei</i> , <i>Van</i> , <i>St. J. & W.</i> L' <i>intercostatus</i> , " Kinderh. <i>ischypus</i> , <i>N. & W.</i> L' <i>lamnoides</i> , " L' <i>magnificus</i> , <i>Tuomey</i> <i>micropus</i> , <i>N. & W.</i> L' <i>mortifer</i> , " UCM.				*				*									[Co.). Linton. Mineral Point (Tuscarora Burlington (both fish-beds). Hamilton. Warsaw. [Co. Burlington (upper fish-bed). Louisa Girard (Guthrie Co.). Chester. Quincy. St.-Louis Co. Alton. " Pella. Alton. Burlington (fish-bed No. 1). St.-Louis Co. Girard (Guthrie Co.). Buffington Creek (Louisa Co.). Posey Co. Chester. Berea (under Berea Grit). Alton (upper beds). Louisa and Desmoines Cos. Adams St.-Louis Co. [Co. (Ill.). Warsaw. Nauvoo. Sewanee Section No. 8. [No. 8. Warsaw. Nauvoo. SewaneeSection Manhattan. Nebraska City. Sugar Creek. Sangamon Co.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Carcharopsis , Agassiz, 1843.																		
Portlockii,	Agass.	L'	*															Armagh.
prototypus,	"	L'	*	*	*													" Beith. Yorksh. Derbysh.
semiornatus,	"	L'	*															"
Ceratodus , Agassiz, 1838																		An obscure genus. <i>Ctenodipterini</i> .
Barrandei,	Fritsch.												*					Kounova.
carbonarius,	Romanowsky.	CL.												*				Riv. Oka. Podmokloyè (Pr. Toula).
spec. indet.,	Rankin.	UCM.		*														Carluke. Virtue-Well coal-mine.
Characodus , Agassiz, 1850.																		
angulatus,	Agass.	L'	*															Armagh.
<i>Psammodus cornutus</i> .																		
euneatus,	"	L'	*															"
<i>Psammodus cornutus</i> .																		
Cheirodus , M'Coy, 1848.	Fam. C	ESTRACIONTID.E.																
Griffithii,	M'Coy.	LLS.	*		*													Derbyshire.
pes-rana,	"	CL.			*													Derby shale (black shale).
Chelyphorus , Agassiz, 1844.																		
Griffithii,	M'Coy.	LLS.	*															Cullen. Hollywood (Co. Down).
Chilodus , Giebel, 1848.		Fam. LAMNOID.E.																
gracilis,	Giebel.	MCM. ?												*				Wettin.
tuberosus,	"	MCM. ?												*				"
Chomatodus , Agassiz, 1838.		Psammodus .																
cinctus,	Agass.	L', L'', UCM.	*	*	*													Armagh. West Scotland. Bristol.
clavatus,	M'Coy.	L'	*	*														" Brockley.
denticulatus,	"	L'	*															" [Famignoul.
linearis,	Agass.	LLS., L'	*	*	*	*												" Tirfergus Glen. Bristol.
obliquus,	M'Coy.	L'	*	*														" Newfield. Carluke.
truncatus,	Agass.	L'	*															Newfield.
<i>Petalodus</i> .																		
Cladacanthus , Agassiz, 1843																		Fam. CESTRACIONTID.E.
paradoxus,	Agass.	L'	*															Armagh.
Cladodus , Agassiz, 1840.		Fam. HYBODONTID.E.																
acutus,	Agass.	L'	*															Armagh. Laughgal. Tübingen.
basalis,	"	L'	*		*													" Bakewell.
conicus,	"	LLS., L', L''	*	*	*													Carluke, Drumgray, Bristol, &c.
divaricatus,	Trautsch.	[UCM.												*				
Hibberti,	Agass.	LLS.	*															Burdie House (Edinburgh).
hybodoidea,	Barkas.	CM.			*													Northumberland.
lævis,	M'Coy.	L'	*	*														Armagh. Airdrie (in black band).
lamnoides,	N. & W.	L''												*				Mjatschkovo (Moscow).
marginatus,	Agass.	L'	*	*														Beith. Podmokloyè (Govt Toula).
<i>mirabilis</i> .																		
Milleri,	"	L', L''	*	*														Howrath limestone. Bristol.
mirabilis,	"	LLS., L'	*	*										*				Armagh. Sculliongour. Newsham.
obtusius,	Atthey.	LLS., L'	*		*													Northumberland.
parvus,	Agass.	LLS., LCM.	*															Burdie House (Carluke).
primigenius,	Trautsch.													*				
striatus,	Agass.	L'	*	*	*													Armagh. Howrat. Beith. Kendal.
tenuistriatus,	Romanowsky.	CL.												*				Riv. Oka. Podmokloyè.
Coccosteus , Agassiz, 1843.		Fam. CEPHALASPIDES.																
carbonarius,	M'Coy.	L'	*															Armagh.
spec. indet.,	Bailly.	LLS.	*															Kiltorkan (Co. Limerick).
Cochliodus , Agassiz, 1838.		Fam. CESTRACIONTID.E.																
compactus,	R. Owen.	L'	*															Beith. Dalry.
contortus,	Agass.	L', L''	*	*	*	*								*				Armagh. Beith. Howrat. Oretou.
maximus,	De Kon.	L'			*													Famignoul. [Bristol. Podmokloyè.
minor,	Hunter.	CL.	*															Campsie ?

NORTH AMERICA.

Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
occidentalis,	Leidy.	UCM.				*												Manhattan. Leavensworth Landing.
pandatus,	St. J. & W.	LCM.							*									Carlville.
parvulus,	Newb.	Kinderh. ?									*							Black River Valley.
Pattersoni,	"	"								*								Waverly (black shale).
politus,	N. & W.	L'''							*									Chester.
prænuntius,	St. J. & W.	L				*												Burlington (upper fish-bed).
rariocostatus,	"	L' (Keokuk)				*	*											Keokuk (upper fish-bed).
robustus,	N. & W.	L''							*									Warsaw.
Römingeri,	Newb.	Kinderh.						*										Battle Creek, near Marshall.
spinosus,	N. & W.	L'''				*												St. Louis Co.
Springeri,	St. J. & W.	Kinderh.				*												Burlington (lower fish-bed).
stenopus,	N. & W.	L', L'''				*			*									St. Louis Co. Warsaw.
subulatus,	Newb.	Kinderh.							*									Cuyahoga (above Berea grit).
succinctus,	St. J. & W.	"				*												Burlington (upper fish-bed).
turritus,	N. & W.	L''							*									Warsaw. Nauvoo.
Wachsuthi,	St. J. & W.	L				*												Burlington (upper fish-bed).
zygopus,	N. & W.	L'''							*									Chester.
spec. indet.,	"	L', MCM.				*	*											Burlington, &c.
	Cox.								*									
Cochliodus , Agassiz, 1838																		Fam. CESTRACIONTIDÆ.
angularis,	N. & W. ?	UCM.							*									Sugar Creek. Sangamon Co.
costatus,	N. & W.	L				*												Burlington.
crassus,	Leidy.	L''							*									Warsaw.
latus,	N. & W.	L''							*									"
nitidus,	Leidy.	L'''							*									Chester.
nobilis,	N. & W.	L''							*									Warsaw.
<i>Helodus</i> .																		
occidentalis,	Leidy.	L''							*									"
spec. indet.,	Cox.								*									
Cœlacanthus , Agassiz, 1836-43.																		Fam. CœLACANTHI.
elegans,	Newb.	LCM.							*									Linton. Jefferson Co.
<i>anguliferus, filiferus</i> , Cope.																		
ornatus,	Newb.	LCM.							*									"
robustus,	"	LCM.							*									"
Compsacanthus , Newberry, 1856.																		
havis,	New.	LCM.							*									Linton.
Conchodus , McCoy, 1848																		Fam. CESTRACIONTIDÆ.
carinatus,	Newb.	Kinderh.																Vanceburg (black shale).
parvulus,	"	"							*									Cleveland shale. Bedford.
plicatus,	Dawson.	MCM.												*				Joggins (roof-shales).
Ctenacanthus , Agassiz, 1837																		Fam. CESTRACIONTIDÆ.
angulatus,	N. & W.	L'''							*									Chester.
Burlingtonensis,	St. J. & W.	L				*	*	*										Lee, Louisa Cos. Quincy Co., &c.
costatus ?,	N. & W.	L'''				*			*									St. Louis Co.
excavatus,	St. J. & W.	L' (Keokuk)				*												Keokuk.
formosus,	Newb.	Kinderh.							*	*								Warren Co. Vanceburg.
furcicarinatus,	"	"							*	*								Vanceburg.
gemmatus,	St. J. & W.	L'''							*									Alton.
gracillimus,	N. & W.	L'''				*												St. Louis Co.
gradocostus,	St. J. & W.	L				*	*	*										Louisa Co. Quincy Co. (fish-bed).
Keokuki,	"	L', L''				*	*	*										Boonville, LeGrande. Keokuk. War-
																		saw.
Marshii,	Newb.	LCM.							*									Zanesville.
Mayi,	N. & W.	L				*												Burlington.
pugionentus,	St. J. & W.	L'''				*												St. Louis Co.
parvulus,	Newb.	Kinderh.							*	*								Cleveland (shale). Vanceburg.
sculptus,	St. J. & W.	"				*												Burlington (lower fish-bed).
similis,	"	L'''				*			*									Chester (lower fish-bed).
speciosus,	"	Kinderh.				*												Burlington (lower fish-bed).
spectabilis,	"	"				*												La Grande. Marshall Co.
triangularis,	Newb.	"												*				Oil Creek.
varians,	St. J. & W.	"				*												Flint Riv. Burlington (upper fish-
																		bed.
spec. indet.,	Daws.	LCM.												*				Horton Bluff.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.													Locality.			
		IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RIENSI PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.		RUSSIA, EUROP.	URAL.	ALTAI.
Coelacanthus , <i>Agassiz</i> , 1836-43																	Fam. COELACANTHI.
<i>elongatus</i> ,	LCM.	*															Ballyhedy. Co. Cork.
<i>lepturus</i> ,	LCM., M.	*	*														Gare. Airdrie. Wigan. Bradford, &c.
<i>Phillipsii</i> ,	LCM. ?	*															Halifax ? Yorkshire.
Colonodus , <i>M'Coy</i> , 1848																	Fam. COELACANTHI.
<i>longidens</i> ,	M'Coy. L'	*															Armagh.
Copodus , <i>Agassiz</i> , MSS. 1859																	Fam. CESTRACIONTID.E.
<i>cornutus</i> ,	L'	*															Armagh.
<i>falcatus</i> ,	L'	*															"
<i>lunulatus</i> ,	L'	*															"
<i>spatulatus</i> ,	L'	*															"
Cosmacanthus , <i>Agassiz</i> , 1844																	Fam. CESTRACIONTID.E.
<i>carbonarius</i> ,	M'Coy. L'	*															Armagh.
Cricacanthus , <i>Agassiz</i> , 1843																	Fam. CESTRACIONTID.E.
<i>Jonesii</i> ,	Agassiz. L'	*															Armagh.
Ctenacanthus , <i>Agassiz</i> , 1837																	Fam. CESTRACIONTID.E.
<i>arcuatus</i> ,	Agassiz. L'	*															Armagh.
<i>brevis</i> ,	" L, L', UCM.	*	*	*													" Shettleston. Oretton. Bristol.
<i>crenulatus</i> ,	" L	*															"
<i>denticulatus</i> ,	M'Coy. LLS., CL. ?	*															Monaduff. Drumlich.
<i>distans</i> ,	" L'	*															Armagh.
<i>heterogyrus</i> ,	Agassiz. L'	*															"
<i>hybodontoides</i> ,	Egert. MCM.	*															Dalkeith. Drumgray coal.
<i>major</i> ,	Agassiz. L	*	*														Palace-Craig-ironst. Farlow. Bristol.
<i>nodosus</i> ,	Egert. LCM. ?	*															Dalkeith. [&c.
<i>tenuirostris</i> ,	Munst.	*								*							Oberschulenburg.
<i>tenuistriatus</i> ,	Agassiz. LLS., CL., UCM.	*	*														Drumgray. Gorstley. Oretton, &c.
<i>spec. indet.</i>	Young. L'	*															Barraston.
"	Davis.	*															Clifton and Bradford bone-bed.

NORTH AMERICA.																		
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.	
Ctenodus , <i>Agassiz</i> , 1838.....	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Fam. CESTRACIONTID.E.	
Ohiensis,	Cope. LCM.	..	..	..	..	..	..	..	..	*	*	..	..	..	..	..	Linton. Columbiana Co.	
reticulatis,	Newb. LCM.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	" "	
serratus,	" LCM.	..	..	..	..	..	..	..	..	*	*	..	..	..	..	..	" "	
Ctenopetalus , <i>Agassiz</i> , 1869 ...	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Fam. CESTRACIONTID.E.	
Bellulus,	St. J. & W. L'''	..	..	*	*	..	*	..	..	..	..	..	..	..	..	..	St. Louis. Pella. Alton.	
limatulus,	" L'''	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	Chester.	
medius,	" L'''	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	" Dodge (in limestone).	
occidentalis,	" LCM.	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Bentonsport.	
vinosus,	" L'	..	..	..	..	*	..	..	..	..	..	..	..	..	..	..	Fam. CESTRACIONTID.E.	
Ctenoptychius , <i>Agassiz</i> , 1838...	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	The Joggins (Div. iv.).	
cristatus,	Daws. Lower MCM.	..	..	..	..	..	..	..	..	..	..	..	..	*	..	..	St. Louis Co. Warsaw.	
digitatus,	Leidy. L', L'''	..	..	..	*	..	..	*	..	..	..	..	..	..	..	..		
<i>dactylodus</i> .		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
pertenuis,	St. J. & W. L'''	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	Chester.	
semicircularis,	N. & W. LCM.	..	..	*	*	..	..	*	..	..	..	..	*	..	..	..	Posey Co. Pittsburg.	
<i>Peripristis</i> .		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
spec. indet.,	Leidy.	..	..	*	..	..	..	..	..	..	..	..	..	..	..	..		
Cymatodus , <i>Newberry and Worthen</i> , 1870.	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
oblongus,	N. & W. UCM.	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	Lasalle Co.	
Dactylodus , <i>Newberry and Worthen</i>.	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
concavus,	St. J. & W. L'''	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	Alton.	
excavatus,	" L'''	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	Chester.	
inflexus,	N. & W. L'''	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	" Alton (St. Louis limestone).	
lobatus,	" L'''	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	"	
minimus,	" L'''	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	St. Louis Co.	
princeps,	N. & W. L'''	..	..	..	..	*	..	*	..	..	..	..	..	..	..	..	Fam. CESTRACIONTID.E.	
Deltodus , <i>Newberry and Worthen</i> , 1866	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Warsaw.	
alatus,	N. & W. L' (Keokuk)	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	Nebraska City. Lasalle Co.	
angularis,	" UCM.	..	..	*	*	..	..	*	..	..	..	..	..	..	..	..	Chester.	
angustus,	" L'''	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	Henderson Co.	
cingulatus,	" L'''	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	Warsaw.	
complanatus,	" L'	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	"	
fasciatus,	" L' (Keokuk)	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	Boone Co.	
grandis,	Newb. L'''	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	St. Louis Co.	
Littoni,	N. & W. L	..	..	..	..	*	..	*	..	..	..	..	..	..	..	..	Quincy.	
rhomboideus,	Newb. L'''	..	..	..	..	*	..	*	..	..	..	..	..	..	..	..	Warsaw.	
spatulatus,	" L'	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..	Keokuk.	
stellatus,	N. & W. L'	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..		
undulatus,	" L'	..	..	..	..	*	..	*	..	..	..	..	..	..	..	..		
spec. indet.,	" Cox.	..	..	..	..	..	..	*	..	..	..	..	..	..	..	..		

EUROPE, &c.																
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Ctenodus , Agassiz, 1838																Fam. CTENODIPTERINI.
alatus, Agass. LCM.				*												Ardwick.
conceavus, T. P. Barkas. LCM.				*												Newsham (Northumberland).
corrugatus, Atthey. CL.				*												Main Pit. Collingwood.
cristatus, Agass.			*	*												Palace Craig. Carnbrae. Newsham.
elegans, Atthey. LCM.			*	*												Newsham. Cramlington.
ellipticus, " LCM.			*	*												" Bradford and Clifton.
imbricatus, " LCM.			*	*												"
inæqualis, ?																"
<i>Sagenodus</i> .																
interruptus, T. P. Barkas.				*												Northumberland.
monoceras, " LCM.				*												Newsham.
obliquus, Atthey. LCM.				*												" Cramlington.
obtus, T. P. Barkas. LCM.				*												"
octodorsalis, " LCM.				*												"
ovatus, " LCM.				*												Derbyshire.
quadratus, " LCM.				*												Newsham.
Robertsoni, Agass. LLS., LCM.			*	*												Burdie House.
tuberculatus, Han. & Atth.			*	*												Quarter (black band). Carnbrae.
spec. indet., T. P. Barkas.				*												Newsham. Northumberland.
Ctenopetalus , Agassiz, 1869 ...																Fam. CESTRACIONTIDÆ.
serratus, Agass. L'		*	*													Armagh.
<i>Ctenoptychius</i> .																
spec. indet., ? L'		*														South Shiells Farm.
Ctenoptychius , Agassiz, 1838 ...																Fam. CESTRACIONTIDÆ.
aciculatus, W. G. Bark. LCM.				*												Newsham.
apicalis, Agass. L', L'', LCM., M * * *		*	*	*												Armagh. Gare. Carlake. Staffordsh.
<i>Petalodus</i> .																
crenatus, " L'		*														Carlake (Lanarkshire).
cristatus, Dawson.		*	*													Ardwick. Oldham.
cuspidatus, Agass. LCM.		*	*													Glasgow.
dentatus, " L', UCM.		*	*													Armagh. Powmillion-burn. Burdie
<i>Harpacodus</i> .																[House. Ryehope. N'umberl.
denticulatus, " LLS., L', LCM. * * *		*	*	*												Armagh.
marginalis, Capt. Jones. L'		*	*													"
pectinatus, Agass.		*	*													Palace Craig ironst. Carnbrae.
<i>Agelodus diadema</i> .																
radians, " L'		*	*													Armagh.
radicalis, " L'		*	*													" Crosshouse Farm. Dalry.
serratus, T. P. Bark. LCM.		*	*													Newsham.
unilateralis, Tietze. LLS.		*	*					*								Altwasser.
spec. indet.,																
Cycloptychius , Huxley, 1865 ...																Fam. PALEONISCIDÆ.
carbonarius, Molyn. & Huxl. CM.			*	*												South Staffordsh. (deep-mine ironst.).
spec. indet.,			*	*												Drumgray coal, Carlake.
Deltodus , Newberry and Worthen, 1866																Fam. CESTRACIONTIDÆ.
angustus, Agass. CM.			*	*												Carlake.
<i>pecilodus</i> .																
sublaevis, L'		*	*													Armagh.
<i>pecilodus</i> .																
spec. indet., Egert. L', L''		*	*													Farlow (yellow limest.). Oretou.
" Etheridge. L', L''		*	*													South Shiells Farm.
Deltoptychius , Agassiz, MSS., 1859																Fam. CESTRACIONTIDÆ.
acutus, Agass. L', L''		*	*	*												Armagh. Beith. Bristol. Derbyshire.
<i>cochliodus</i> .																
gibberulus, " L'		*	*													
<i>cochliodus</i> .																
Dendroptychius , Huxley, 1866																Fam. GLYPTODIPTERINI.
spec. indet., Young. CM.		*	*													Airdrie (in ironstone).

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Desmiodus , <i>St. John and Worthen</i> , 1875.																	
costelliferus, St. J. & W.	L"				*			*									St. Louis. Alton.
flabellum, "	L'				*	*											Boonville. Keokuk (upper fish-bed).
ligoniformis, "	L'				*	*											" Benton's Port (").
tumidus, "	L"				*			*									St. Louis. Alton.
Diplodus , <i>Agassiz</i> , 1843.																	Fam. HYBODONTIDÆ.
acinaces, Dawson.	L", MCM.													*			Pictou.
compressus, Newb.	UCM.			*		*		*	*	*							Linton. Posey Mountain, &c.
duplicatus, N. & W.	L"					*		*	*	*							Keokuk. Nauvoo. Straitsville.
gracilis, Newb.	LCM.							*	*	*							New Lisbon. Linton.
incurvus, N. & W.	L"							*	*	*							Nauvoo.
latus, Newb.	LCM.							*	*	*							Linton. Posey Co.
penetrans, Dawson.	LCM.								*	*				*			Pictou.
? Sherwoodi, Newb.									*	*							
spec. indet., C. White.	UCM.						*										
Drepanacanthus , <i>Newberry and Worthen</i> , 1866.																	
anceps, N. & W.	UCM.							*									Springfield.
gemmatus, "	L'					*											Keokuk.
gracillimus, "	L"				*												St. Louis Co.
reversus, St. J. & W.	L"			*	*	*	*	*	*	*							" Alton.
stellatus, N. & W.	L"			*	*	*	*	*	*	*							Warsaw.
Edestus , <i>Leidy</i> , 1856.																	
Heinrichsi, N. & W.	MCM.							*	*	*							Belleville. St. Clair Co. Posey Co.
minor, Newb.	LCM.							*	*	*							Posey Co.
vorax, Leidy.	LCM.							*	*	*							Belville. Warrick Co.
Elonichthys , <i>Giebel</i> , 1848.																	HETEROCERCI MONOPTERYGII.
peltigerus, Newb.	LCM.							*	*	*							Linton. Jefferson Co.
Erismacanthus , <i>McCoy</i>																	Fam. PLACOIDÆ.
Maccoyanus, St. J. & W.	L"				*		*										St. Louis Co. Alton.
Eurylepis , <i>Newberry</i> , 1873. Me																	Fam. LEPIDOGANOIDEI.
corrugatus, Newb.	LCM.							*	*	*							Linton. Jefferson Co.
granulatus, "	LCM.							*	*	*							"
insculptus, "	LCM.							*	*	*							"
lineatus, "	LCM.							*	*	*							"
minimus, "	LCM.							*	*	*							"
ornatissimus, "	LCM.							*	*	*							"
ovoideus, "	LCM.							*	*	*							"
serratus, "	LCM.							*	*	*							"
striolatus, "	LCM.							*	*	*							"
tuberculatus, "	LCM.							*	*	*							"
Fissodus , <i>St. John and Worthen</i> , 1875.																	Fam. PETALODONTIDÆ.
bifidus, St. J. & W.	L"							*	*	*							Chester (upper and lower fish-bed).
tricuspidatus, "	L"							*	*	*							Chester (fish-bed).
Gampsacanthus , <i>St. John and Worthen</i> , 1875.																	Fam. CESTRACIONTIDÆ?
latus, St. J. & W.	L'			*		*		*	*	*							Boonville (upper fish-bed).
squamosus, "	L"			*		*		*	*	*							St. Louis Co.
typus, "	L"			*		*		*	*	*							" Alton.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Dicrenodus , <i>Romanowsky</i> , 1853. Okensis, Rom.	L'													*			Podmokloyè (Govt. Toula).
Dimyleus , <i>Agassiz</i> , MSS., 1859. Woodii, Agass.				*													Yorkshire. Derbyshire.
<i>Psammod. cornutus</i> .																	
Diplodus , <i>Agassiz</i> , 1843.				*	*												Fam. HYBODONTIDÆ.
gibbosus, Agass.				*	*												Carluke. Palace Craig. Staffordsh.
minutus, "				*													Burdie House.
Diplopterus , <i>Agassiz</i> , 1835																	Fam. SAUROIDEI DIPTERINI.
carbonarius, Agass.	MCM.			*													Leeds.
Robertsoni, "	LLS.			*													Burdie House.
Dipriacanthus , <i>M'Coy</i>																	Fam. PLACOIDEI.
falcatus, M'Coy	L'			*													Armagh.
Stokesii, "	L'			*													"
Elonichthys , <i>Giebel</i> , 1848																	Fam. LEPIDOSTEI.
caudalis, Traquair	CM.			*													Fenton. Staffordshire (Knowles's
erassidens, Giebel	MCM. ?												*				Wettin. [ironstone].
Egertoni, "																	?
Germarii, Giebel	MCM.												*				Wettin.
intermedius, Traquair	LLS.			*													Wardie (Edinb.).
lævis, Giebel	MCM.													*			Wettin.
oblongus, Traquair	CM.			*													Fenton. Staffordshire. Knowles.
semistriatus, "	CM.			*													"
striolatus, Agass.	LLS.			*													Burdie House. Edinburgh.
Erimacanthus , <i>M'Coy</i> , 1848																	Fam. PLACOIDEI.
Jonesi, M'Coy	L'			*													Armagh.
Eurolepis , <i>Newberry</i> , 1873.																	
Eurynotus , <i>Agassiz</i> , 1835. Fam.	LEPIDOIDEI.																
crenatus, Agass.	LLS.			*													Crail. Burntisland. Craigenglen.
fimbriatus, "	LLS.			*													Newhaven shales, Edinburgh.
hastula?, Ether.				*													Airdrie (black band).
Glossodes(us) , <i>M'Coy</i> , 1854																	Fam. CESTRACIONTIDÆ.
lingua-bovis, M'Coy	L'			*													Armagh.
marginatus, "	LLS.			*	*												" Beith (blue and white l'st.).
Gonatodus , <i>Traquair</i> , 1876.																	
macrolepis, Traquair	LCM.			*													Venture-fair Collieries, Gilmerton.
punctatus, "	LLS.			*													Wardie (<i>Amblypterus</i> , pars).
Graptolepis , <i>Agassiz</i> , 1843. Fam.	LEPIDOIDEI.																
ornatus, Agass.	LCM.			*													Carluke.
tuberculatus, "	L', LCM, U.			*	*	*											Armagh. Airdrie. Cramlington.
tubereulosus, Atthey.	CM.			*													Sunderland.

NORTH AMERICA.																	
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Geisacanthus , <i>St. John and Worthen</i> , 1875 .....	.....																<i>Ichthyodorulite</i> .
<i>bullatus</i> , St. J. & W. L"	L"						*	*									Fountain Bluff. Jackson Co.
<i>stellatus</i> , " L"	L"			*			*										St. Louis Co.
Gyracanthus , <i>Agassiz</i> , 1837 ...	.....																Fam. CESTRACIONTID.E.
<i>Alleni</i> , Newb. Kinderh.	Kinderh.								*	*							Lodi. Medina Creek. Cuyahoga Falls.
<i>compressus</i> , " L' MCM.	L' MCM.							*	*								Medina. Dearborn Co.
<i>duplicatus</i> , Daws. L'	L'							*					*				Cuyahoga shale.
<i>magnificus</i> , " L'	L'												*		*		Baddick.
Harpacodus , <i>Agassiz</i> , 1859 .....	.....																Fam. PETALODONTID.E.
<i>compactus</i> , St. J. & W. L"	L"						*	*									Chester (upper fish-bed).
<i>occidentalis</i> , " L"	L"			*			*										St. Louis. Alton.
Helodus , <i>Agassiz</i> , 1838. Psammodus .....	.....																Fam. CESTRACIONTID.E.
<i>angulatus</i> , N. & W. L'	L'						*	*									Quincy.
<i>biformis</i> , " Kinderh.	Kinderh.					*											Burlington.
<i>carbonarius</i> , " UCM.	UCM.					*	*	*									Lasalle Co.
<i>compressus</i> , " L'	L'				*	*	*										Augusta. Quincy.
<i>coniculus</i> , " L', L'	L', L'			*	*	*											Burlington. Nauvoo.
<i>consolidatus</i> , " L' (Keokuk)	L' (Keokuk)			*	*	*											St. Francisville. Warsaw.
<i>crenulatus</i> , " L"	L"				*	*											Warsaw.
<i>dens-humani</i> , " L"	L"				*	*											"
<i>denticulatus</i> , " L"	L"				*	*											Hancock Co.
<i>elytra</i> , " L"	L"				*	*											Warsaw.
<i>gibbosus</i> , " L"	L"				*	*											" Hamilton.
<i>gibbus</i> , Leidy. L'	L'			*	*	*											Keokuk.
<i>Lesleyi</i> , N. & W. Kinderh.	Kinderh.			*	*	*					*						North part of the State.
<i>limax</i> , " L'	L'			*	*	*											Burlington.
<i>placenta</i> , " L', Kinderh.	L', Kinderh.			*	*	*											"
<i>politus</i> , " L"	L"			*	*	*											Nauvoo.
<i>rugosus</i> , " CM.	CM.			*	*	*											Collinsville.
<i>sulcatus</i> , " L'	L'			*	*	*											" Warsaw.
<i>undulatus</i> , " L'	L'			*	*	*											Warsaw.
<i>spec. indet.</i> , Cox.	Cox.					*	*	*									"
" White. UCM.	White. UCM.			*	*	*											"
Homacanthus , <i>Agassiz</i> , 1845 ...	.....																Fam. PLACOID.E.
<i>gibbosus</i> , N. & W. L"	L"			*	*	*											St. Louis Co.
<i>rectus</i> , " L"	L"			*	*	*											"
<i>spec. indet.</i>, " .....	.....					*		*									"
Hybocladodus , <i>St. John and Worthen</i> , 1875 .....	.....																Fam. HYBODONTID.E.
<i>compressus</i> , St. J. & W. L (fish-bed)	L (fish-bed)			*	*	*											Augusta. Louisa Co.
<i>nitidus</i> , " L"	L"			*	*	*											Chester.
<i>plicatilis</i> , " L'	L'			*	*	*											Louisa Co.
<i>tenuicostatus</i> , " L'	L'			*	*	*											Keokuk. Warsaw.
Lambdodus , <i>St. John and Worthen</i> , 1875 .....	.....																Fam. HYBODONTID.E.
<i>calceolus</i> , St. J. & W. Kinderh.	Kinderh.			*	*	*	*	*									Lagrange. Bentonsport. Warsaw.
<i>var. robustus</i> , " L'	L'			*	*	*	*	*									" "
<i>costatus</i> , " L'	L'			*	*	*	*	*									Burlington.
<i>hamulus</i> , " L"	L"			*	*	*	*	*									Chester.
<i>reflexus</i> , " L"	L"			*	*	*	*	*									"
<i>transversus</i> , " L"	L"			*	*	*	*	*									Alton.
Lecracanthus , <i>St. John and Worthen</i> , 1875 .....	.....																Fam. CESTRACIONTID.E.
<i>unguiculus</i> , St. J. & W. L"	L"			*	*	*	*	*									St. Louis. Alton.
Leiodus , <i>St. John and Worthen</i> , 1875 .....	.....																Fam. HYBODONTID.E.
<i>calcaratus</i> , St. J. & W. L'	L'			*	*	*	*	*									Louisa Co., &c. Warren Co., &c.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Gyracanthus , Agass., 1837. Fam. CESTRACIONTID.E.																		(a ground fish).
Alnivicensis, Agass.		LCM.			*	*	*											Alnwick. [&c.
formosus, M'Coy.		LLS.	*	*	*	*	*											Maghera. Derry. Burdie H. Rhuabon.
obliquus, Agass.		LLS. (Yell. S't.)																Moyola. Moyceland.
ornatus, Agass.		CM.																South Wales.
tuberculatus, " "		L', LCM., U.	*	*	*	*	*											Armagh. Airdrie. Quarter Cramling-
tuberculosus, Atth. & Kirkby.		CM.			*	*	*											Sunderland. [ton.
Gyrolepis , Agassiz, 1833. Fam. LEPIDODID.E.																		
Rankinii, Agass.		LCM.		*	*													Carluke. Bradford & Clifton bone-bed.
speciosus, Fritsch.												*						Kounova. [Leeds.
Harpacodus , Agass., 1859. Fam. PETALODONTID.E.																		
dentatus, Agass.		L'	*	*														Armagh. Climpsey Pits. Wilsontown.
<i>Ctenoptychius</i> .																		
Helodus , Agassiz, 1838. Fam. CESTRACIONTID.E.																		
appendiculatus, M'Coy.		L'	*															Armagh.
aversus, Trautscholdt.		L''											*					Govt. Moskow.
bisulcatus, Agass.		L'				*												Famignoul.
contractus, Trautsch.														*				Riv. Oka. Podmokloyé.
dentatus, Romanowsky.		LLS.													*			
didymus, Agass.		L', L''	*															Armagh. Beith. Orefon, &c. Pod-
fimbriatus, " "		L'				*												Famignoul. [mokloyé.
gibberulus, " "		L', L''	*			*									*			Armagh. Brist. R. Belaya. Petschora.
lavissimus, " "		LLS.	*	*	*	*												" Corrieburn. Bristol. Visé.
mammillaris, " "		L', L'''	*	*	*	*												" Beith. Gare. Farlow, &c.
mitratus, " "		LCM., M.	*			*												Carluke.
planus, " "		L', Shale	*		*													Armagh. Drumgray. Lowick.
<i>Pseudodus magnus</i> .																		
rudis, M'Coy.		L'	*															Armagh.
simplex, Agass.		LCM., M.	*	*	*										*			Carluke. Clifton, &c. (bone-bed). Staf-
subteres, " "		L''			*													fordsh. Coalbrookd. Podmokloyé.
turgidus, " "		L'		*	*													Orefon. Farlow. Bristol.
*Holoptychius , Agassiz, 1836. Rhizodus , Owen																		Armagh. Templecarn. Bristol.
? falcatus, Agass.		CM.		*														Fam. CÆLACANTH.
Garneri, Murch.		CM.		*														Greenside. Glasgow.
minor, Agass.		CM.		*														Lancefield.
sauroides, " "				*														Leeds. North Staffordshire.
striatus, " "		LLS., M. Grit	*															Bradford and Clifton bone-bed.
Homacanthus , Agassiz, 1837 or 1845																		Edinburgh?
macrodon, M'Coy.		L'	*	*														Fam. PLACODID.
microdon, " "		L'	*															Armagh. Beith.
spec. indet., Young.		L'	*															"
Hoplonchus , Egerton.																		Millburn. North Hill.
spec. indet., J. W. Davies.		LCM.		*														Bradford and Clifton bone-bed.
Hoplopygus , Agassiz, 1843. Fam. CÆLACANTH.																		
Binneyi, Agassiz		CM.			*													Manchester.
Hybodius , Agassiz, 1854. Isodus , M'Coy																		Fam. HYBODONTID.E.
carbonarius, Giebel.		LLS.											*					Wettin.
irregularis, Romanowsky.		L'											*					Riv. Oka. Podmokloyé.
Panderi, Eichw.		L'											*					Podmokloyé (Serpoukhof).
polyprion?, " "		L'											*					" "
vicinalis, Giebel.		LLS.											*					Wettin.
Isodius , M'Coy, 1854, = Isodus																		Fam. CÆLACANTH.
leptognathus, M'Coy.		LLS.	*															Draper's Town. Moyceland.
Janassa , Münster, 1839. Fam. RATHID.E.																		
imbricata, M'Coy.		CL., LCM.	*	*														Drumgray. Carlake. Yorkshire.
<i>Climaxodus</i> .																		
linguæformis, Hanc. & Atth.		LCM.		*														Newsham? Northumberland.
minuta, T. P. Barkas.		LCM.		*														Newsham.
<i>Climaxodus</i> .																		
ovata, " "		LCM.		*														"
processa, W. J. Barkas		LCM.		*														"
vermiformis, " "		LCM.		*														"
Labodus , Agassiz, MSS., 1859.																		
planus, Agassiz.		L'	*															Armagh.
prototypus, " "		L'	*															"

* No true *Holoptychius* in Carboniferous (W. Davies, Brit. Mus.).

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIA PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROPE.	URAL.	ALTAI.	Locality.
Lepracanthus , Egerton, 1842 ...																		<i>Ichthyodorulite</i> . CESTRACIONTID.E.
Colei, Owen.				*														Rhuabon, North Wales.
Leptacanthus , Agassiz, 1833-37																		Fam. CESTRACIONTID.E.
Jenkinsoni, M'Coy. L'				*	*													High Blantyre. Lowick (in clay).
juncus, " L" (black band)				*	*													Dalry. Cromford. Yorkshire.
priscus, Agass. L'				*														Armagh.
remotus, Eichw. L'''														*				Troitzkoya. R. Protva (Govt. Ka- [loug]).
Macrodrus?																		
Macropetalichthys , Agassiz, 1846.																		
spec. indet., M. Grit			*															Kennox Water.
Megalichthys , Agassiz, 1843 ...																		Fam. SAUROIDEI DIPTERINI.
Agassizianus, De Kon. LCM.				*														Chokier (in <i>Ampelite</i>).
? coccolepis, Young & Thoms. UCM.				*														Airdrie, &c. (ironstone and shale).
falcatus, Hibbert. M. Grit. CM.				*														Greenside (Glasgow). Kennox Water.
Hibbertii, Agass. LLS, L', LCM, M			*	*	*													Burdie House. Bradford and Clifton bone-bed. Goldsith. (Staffords.).
maxillaris, " CM.				*														Leeds.
rugosus, Young & Thoms. UCM.				*														Quarter Town (black band). W. Scotl.
sicula?, Owen.																		
<i>Ganolodus</i> .																		
Mesogomphus , Agassiz, MSS., 1859.																		
<i>Psamm. cornut.</i>																		
lingua, Agassiz. L'			*															Armagh.
Mesolepis , Young, 1866. Fam. MESOLEPID.E.																		
scalaria, Young. LCM.				*														North Staffordshire.
Wardii, " LCM.				*														
spec. indet., " LCM.				*														Carlisle (in coal-roof).
Mylacodus , Agassiz, MSS., 1859																		Fam. CESTACIONTID.E.
quadratus, Agass. L'			*															Armagh.
Mylax , Agassiz, MSS., 1859																		Fam. CESTACIONTID.E.
<i>Psamm. cornut.</i>																		
batoides, Agass. L'			*															Armagh.
Myriacanthus , Agassiz, 1837. Fam. RAID.E.																		
semigranulatus, Romanowsky. CL.															*			Riv. Oka. Podmokloyè.
Nemacanthus , Agassiz, 1837.																		
priscus, M'Coy. L'			*															Armagh.
Nematoptychius , Traquair, 1875.																		
gracilis, Traquair.				*														Venture-fair Colliery, Gilmerton.
Greenockii, Agass.				*														Wardie or Newhaven (Leith).
<i>Pygopterus</i> , pars.																		
Onchus , Agassiz, 1837. Fam. CESTRACIONTID.E.																		
falcatus, Agass. L'			*															Armagh.
hamatus, " CL.				*														Bristol.
plicatus, " L'				*														Armagh.
rectus, " L'				*														
subulatus, " LCM, Shale				*														Rhuabon (Wales).
sulcatus, " CL.				*														Bristol.
spec. indet., Rankin.				*														Drumgray Coal. Carlisle.
Oracanthus , Agassiz, 1837																		Fam. CESTRACIONTID.E.
confluens, Agass. L'			*	*														Armagh. Bristol (Giebel).
Milleri, " LLS, L', L''			*	*	*													" Roughwood. Bristol.
minor, " L'			*	*														" Beith. Langside.
pustulosus, " L'?				*														Bristol.
Orodus , Agassiz, 1838. Fam. CESTRACIONTID.E.																		
angustus, Agass. L'			*															Armagh.
catenatus, " L'			*															
cinetus, " L', UCM.			*	*	*													" Beith. Oulton. Bristol.
compressus, M'Coy. L'			*															
excentricus, Trautsch.														*				River Oka. Podmokloyè.
elegans, Romanowsky. LLS.														*				
gibbus, Agass. L'																		Armagh.
porosus, M'Coy. L'																		" Hainault. [hy.
ramosus, Agass. L', L'', L'''			*	*	*													The Hook Wexford. Bolland, &c. Fe-
sublevis, Trautsch. L'																		Malouka (Moscow).
tumidus, "														*				"

NORTH AMERICA.																		
Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
minutus,	N. & W.	L''							*									Nauvoo.
multicarinatus,	"	Kinderh.								*								Rockford (Goniaticite-bed).
neglectus,	St. J. & W.	L'''					*		*									Pella. Marion Co. Monroe Co.
ornatus,	N. & W.	L''					*		*									Warsaw. Nauvoo. Louisa Co. (fish-bed).
? parallelus,	St. J. & W.	Kinderh.					*											Richmond. Washington Co.
parvulus,	"	L'''							*									Alton.
plicatus,	"	L'''				*												St. Louis Co.
tuberculatus,	N. & W.	L'					*											Burlington.
turgidus,	St. J. & W.	L'''							*									Chester.
variabilis,	Newb.	Kinderh.								*	*							Vanceburg. Sciotoville.
variocostatus,	St. J. & W.	L					*	*	*									Louisa Co. Henderson Co.
Whitei,	"	Kinderh.					*											Le Grand. Marshall Co.
spec. indet.,	White.						*											
Palæoniscus , Agassiz, 1833.	Fam.	LEPIDOIDEI.																
Alberti?	Jackson.	LCM.													*			Albert Mine, Hillsboro.
Brainerdi,	Thomas.	Berea Grit								*								Chagrin Falls.
gracilis,	N. & W.	LCM.							*									Mazon Creek. Grundy Co.
Leidyi,	J. Lea.													*				
peltigerus,	Newberry.	LCM.						*	*	*								Fulton Co. Linton. Jefferson Co.
<i>Elonichthys</i> .																		
scutigerus,	"	LCM.								*								Linton.
Peltodus , Newberry and Worthen.	1870																	Fam. PETALODONTIDÆ.
? plicomphalus,	St. J. & W.	L'''							*									Chester (lower fish-bed).
quadratus,	"					*			*									St. Louis Co. Alton.
transversus,	"	MCM.							*									Belleville.
Periplectrodus , St. John and Worthen, 1875																		Fam. HYBODONTIDÆ.
compressus,	St. J. & W.	L'''							*									Alton.
expansus,	"	L'''							*									Chester.
Warreni,	"	L					*											Buffington Creek. Augusta.
Peripristis , Agassiz, MSS.																		
semicircularis,	C. A. White.	LCM., U.	*	*	*	*												Bellevue, Rockbluff, Shoal Creek, Putnam Co., &c.
Petalodus , Owen, 1840.	Fam. CE	STRACIONTIDÆ.																
Alleghanyensis,	Leidy.	UCM.		*	*				*	*	*		*					Fort Riley, Cassville, &c.
curtus,	N. & W.	L' (Keokuk)							*									Otter Creek (Jersey Co.).
destructor,	"	UCM.			*	*	*	*	*	*								Rockbluff. Sugar Creek. Sangamon Co. Springfield.
hybridus,	St. J. & W.	L'''				*												St. Louis Co.
linguifer,	N. & W.	L'''							*									Chester and Pope Cos.
proximus,	St. J. & W.	UCM.							*									Springfield.
spec. indet.,	C. A. White.	UCM.					*											"
Petalorhynchus , Agassiz. Fam.	m. CESTRACIONTIDÆ.																	
distortus,	St. J. & W.	L'''				*	*	*	*									St. Louis Co. Pella. Alton.
pseudo-sagittatus,	"	L'''				*	*	*	*									" " "
spatulatus,	"	L'''				*	*	*	*									" " "
striatus,	N. & W.	L'				*	*	*	*									Quincy.
spec. indet.,	C. A. White.	L'				*	*	*	*									
Petrodus , M. Coy, 1848.	Fam. CESTRACIONTIDÆ.																	
acutus,	N. & W.	UCM.							*									Pike Co.
occidentalis,	"	MCM.							*									Middlebury (Owen Co.).
? pustulosus,	"	L				*			*									Burlington.
spec. indet.,	C. A. White.	LCM., M., U.				*	*	*	*	*								Belleville, Badger's Mill, &c.

EUROPE, &c.																			
Genus, Species, and Author.			Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Orthacanthus , Agassiz. Fam. C			ESTRACIONTIDE.																
Bohemius, Fritsch.															*				Kounova.
cylindricus, Agass. MCM.				*	*														Splint coal, Newton. Bradford and Clifton bone-bed.
spec. indet., Atth. & Kirkby. CM.					*														Northumberland.
Orthognathus , T. P. Barkas, 1871.																			Fam. GLYPTODIPTERINI.
reticulosus, Agass. LCM.					*														Newsham. Northumberland.
Osteoplax , M'Coy, 1848. Fam. PLACODERMI. M'Coy. LLS.				*															Cultra. Holywood (Co. Down).
Palæoniscus , Agassiz, 1833. Palæothrissum																			Fam. LEPIDOIDEI.
angustus, Agass. UCM.							*												Autun.
arcuatus, Egert. Coal-shale						*													Liege. Goldlauter?
Beaumontii, Agass. UCM.							*												Autun.
Blainvillii, " UCM.							*												"
carinatus, " LLS., CM.			*	*															Armagh. Newhaven (Edinb.).
decorus, Egert. Coal-shale					*														Commentarie (Auvergne).
deletus, Fritsch.													*						Kounova.
dimidiatus, Trosch. MCM. ?														*					Kreutznach.
Duvernoyi, Agass. L', MCM. ?				*	*									*					Possil. Kreutznach. Munster-Appel.
Egertoni, " LCM., M., U.			*	*	*														Fermanagh. Carlake. Oldham. Newsham. North Staffordshire.
<i>Granacrod. hastula</i> .																			
elongatus, Trosch. MCM. ?														*					Kreutznach.
Gelbertii, Goldf. CM.																			Heimkirchen.
gibbus, Trosch. MCM. ?														*					Kreutznach.
Hancocki, Atthey. LCM.					*														Newsham. Cramlington. Kenton.
lepidurus, Goldf. MCM. ?										*									Glatz.
minutus, " Shale, MCM., U.														*					Münster-Appel.
Monensis, Egerton. L', L'', LCM. (Ganister).			*	*															Airdrie. Anglesea. Bagslate Moor (Rochdale).
Oldhami, ?																			
opisthopterus, Trosch. MCM. ?														*					Kreutznach.
ornatissimus, Agass. LCM., U.					*														Burdie House. Possil. Carlake.
Robisoni, Hibbert. L'			*	*															Armagh. Enniskillen. Craigenglen.
sculptus, Agass. L'', UCM.			*	*	*														Burdie House. Visé. Chokier.
striolatus, Trosch. MCM. ?			?											*					Kreutznach.
tenuicaudus, Agass. UCM.							*												Autun.
Voltzii, Huxley. L'			*																Possil (mid-ironstone series).
Petalodopsis , W. J. Barkas.																			
mirabilis, W. J. Barkas. LCM.					*														Newsham.
Petalodus , R. Owen, 1840. Fam. CESTRACIONTIDE.																			[Serpoukhof.
acuminatus, Agass. L', L''					*										*				Derbys. Lowick. Belsey. Northumberland.
dentatus, Owen. L'			*	*															Armagh. Carnteel.
<i>Ctenopterus apicalis</i> .																			
Hastingsæ, " L'			*	*															Lowick.
lævisimus, Agass. L'			*																"
? lobatus, R. Ether., jun. L'			*																Cross House (East Kilbride).
marginalis, Agass. L'			*																Armagh.
<i>Polyrhizodus radicans</i> .																			
spec. indet., Salter. L'			*																Charleston. Fifeshire.
" R. Ether., jun. L'' ?					*														Bakewell.
Petalorhynchus , Agassiz. Fam. CESTRACIONTIDE.																			[Wensleydale.
Benniei, R. Ether., jun. L', L'' ?			*	*															Shiell. Kilbride. Beith. Yoredale.
psittacinus, Agass. L'			*	*															Armagh. Yorkshire. Derbyshire.
<i>Petalodus</i> .																			
nova spec., Craig. L'			*																Beith. Ayrshire.
Petrodus , M'Coy, 1848. Fam. CESTRACIONTIDE.																			
barbotanus, Romanowsky. L' ?															*				River Oka. Podmokloyè.
patelliformis, M'Coy. L''			*	*															Robroyston. Gare. Derbyshire.
Phyllolepis , Agassiz, 1843. Fam. COELACANTHI.																			
fragilis, Agass. L'			*																Burdie House.
Portlockii, " LLS., LCM.			*																Derry. Antrim. Croagh Common.
tenuissimus, " LLS.			*																Burdie House.

NORTH AMERICA.

[illegible]

EUROPE, &c.

[illegible]

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROPE.	URAL.	ALTAI.	Locality.
Goughii,	M'Coy.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Oreston. Farlow. Kettlewell.
porosus,	Agass.	LLS., L', L'', L'''.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Armagh. Campsie. Beith. Arnside.
rugosus,	"	L', L'''.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Visé. Wahysa (Riv. Volga).
Psammosteus, Agassiz, 1845.	Fam. CŒLACANTH.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Armagh. Caruteel. Ashford. Visé.
granulatus,	M'Coy.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Kesh. Fermanagh.
vermicularis,	"	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Tallaghloon. Maghera.
Psephodus, Agassiz, MSS., 1859		.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Fam. COCHLIODONTIDÆ.
magnus,	Agass.	L', L''?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Armagh. Craighead. Eastburn.
Cochliodus.																		Scullion-gour. Yorksh. Derbysh.
Helodus planus.																		
Ptychacanthus, Agassiz, 1837 ..		.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Fam. CESTRACIONTIDÆ.
sublævis,	Agass.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Burdie House (limestone).
Pygocephalus,	?																	
Cooperi,	Salter?	MCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Park Bridge (Ashton-under-Lyne).
Pygopterus, Agassiz, 1833.	Palæothrissum, Blain v.	UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Fam. SATROIDEI.
Bonnardi,	Hibbert.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Autun.
Bucklandi,	Peach.	Sub-M. Gt., CM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Burdie House.
elegans,	"	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Loanhead (Edinburgh).
Jamesoni,	"	MCM. (shale).....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Burdie House.
spec. indet.,	"		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Carlisle (Drumgray coal).
Rhizodopsis, Huxley, 1866.	Fam. GLYPTODIPTERIN I.																	[bon.
granulatus,	Agass.	L', L'''.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Robroyston. Gare. Orchard. Rhua-
minor,	"	L', L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hosie, Craigenglen, &c.
Sauroides,	Williamson.	LLS., MCM., U.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Burdie Ho., Wigan, Hardwicke, &c.
spec. indet.,	Young.	L'', UCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Gare, &c. (in ironstone).
Rhizodus, R. Owen, 1840.	Fam. CŒLACANTH.																	
ferox,	R. Owen.	LLS.?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Edinburgh.
gracilis,	M'Coy.	L'', LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Burdie House (Gilmerton shales).
Hibberti,	Agass.	LLS., L'', LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Armagh. Burdie House. Beith.
lanceiformis,	Newberry.	Tuedian, LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Newsham. North Staffordshire.
Portlockii,	Agass.	LCM.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Raven's Knowe. Riv. Whiteadder.
																		Nethan.
Rhomboptychius, Huxley, 1866.	A Ganoid.																	
spec. indet.,	Young.	MCM.?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Barriston. Palace Craig (black band), Airdrie.
Rhymodus, Agassiz, MSS., 1859.																		
transversus,	Agass.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Armagh.
Psammodus cornutus.																		
Sphenacanthus, Agassiz, 1837.		.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Fam. CESTRACIONTIDÆ.
serrulatus,	Agass.	L'?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Burdie House. Edinburgh.
Sporolepis, Romanowsky, 1864.																		
spec. indet.,	Romanowsky.	L'?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	River Oka. Podmokloyè.
Streblodus, Agassiz, MSS., 1859																		
Colei,	Agass.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Fam. CESTRACIONTIDÆ.
Cochliodus oblongus.	"	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Hook Point (Wexford Co.).
Egertoni,	"	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Armagh.
Cochliodus oblongus.	"	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	"
oblongus,	"	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	"
Cochliodus.	"	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	"
Tomodus, Agassiz, MSS., 1859 or 1843																		Fam. CESTRACIONTIDÆ.
convexus,	Agass.	L'''.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Dalry. Gare. Bristol.
Cochliodus magnus.																		
Tristychius, Agassiz, 1837.	Fam. CESTRACIONTIDÆ.																	
arcuatus,	Agass.	L'.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Drumkenan. Greenside (Glasgow).
minor,	Portl.	LLS.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Fermanagh, Wilson-
Uronemus, Agassiz, 1843.	Fam. CŒLACANTH.																	town, &c.
lobatus,	Agass.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Burdie House.
magnus,	Traquair.		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.										
		ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Leidy, St. J. & W.	L'''				*			*			St.-Louis Co. Alton. Monroe Co.
robustus, "	L										Burlington (upper fish-bed).
tenuicristatus, "	L				*	*		*			Boonville, &c. Keokuk (up. fish-bed).
variabilis, "	L				*	*		*			Louisa Co., &c. Adams Co.
Xystracanthus , Leidy, 1859.	Ichthyodorus.										
acinaciformis, St. J. & W.								*			Carlinville.
arcuatus, Leidy.	UCM.				*						Leavensworth Landing (in limest.).
mirabilis, St. J. & W.	UCM. ?							*			Fulton Co.
Xystrodus , Agassiz, MSS, 1833 ?											
occidentalis, St. John.	UCM.			*							Aspinwall (in limestone).

SUBKINGDOM VERTEBRATA.

REPTILES, true

(with lungs when young and adult).

AMPHIBIA

(with gills when young only).

AMPHIBAMUS.]

[CARBONIFEROUS.

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.										
		ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Amphibamus , Cope, 1871.	BATRACHIA.										
grandiceps, Cope.	LCM.							*			Morris (Grundy Co.).
Baphetes , R. Owen, 1854.	LABYRINTHODONTIDÆ.										
minor?, Dawson.											Reference lost.
planiceps, Owen.	LCM.									*	Albion Mines (in coaly ironstone).
Brachydectes , Cope, 1871.	BATRACHIA.										
Newberryi, Cope.	LCM.							*			Linton (Columbiana Co.).
Clepsidropsis , Cope, 1871.	Probably Triassic.										
Colletti, Cope.	LCM.							*			Wabash valley (Vermilion Co.), in shale.
Cocytinus , Cope, 1871.											
gyrinoides, Cope.	LCM.							*			Linton.
Collettosaurus , Cox, 1874.											
Indianaensis, Cox.	LCM.							*			Warren Co. (Cox, 5th Ann. Rep. Indiana, 1873, p. 247).
Colosteus , Cope, 1869.	BATRACHIA.										
crassi-scutatus, Cope.	LCM.							*			Linton.
foveatus, "	LCM.							*			"
pauciradiatus, "	LCM.							*			"
scutellatus, "	LCM.							*			"
Conchiopsis , Cope, 1873.											
anguliferus, Cope.	LCM.							*			Linton (Columbiana Co.).
exanthematicus, "	LCM.							*			"
filiferus, "	LCM.							*			"

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Wardeichthys , <i>Traquair</i> , 1875. cyclostoma,		<i>Traquair</i> LCM.	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Newhaven. Leith. Edinburgh.
Xenacanthus , <i>Von Beyrich</i> , 1848. Decheni, Fritsch?		LCM.	..	*	..	..	..	..	..	..	..	..	*	*	..	..	..	Kounova. Nyran. Ruppertsdorf.
gibbosus, levidens,		Also Permian. L'	..	*	..	..	..	..	..	..	..	..	*	..	..	..	..	Kounova.
Xystrodus , <i>Agassiz</i> , <i>MSS.</i> , 1859. angustus, striatus, <i>Cochliodus</i> . spec. indet.,		Craig L'	..	*	..	..	..	..	..	..	..	..	..	..	..	..	..	Armagh. Beith (in white limest.). South Shiel's Farm. Beith. Ayrshire.

SUBKINGDOM VERTEBRATA.

REPTILES, true

(with lungs when young and adult).

AMPHIBIA

(with gills when young only).

ACTINODON.]

[CARBONIFEROUS.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Actinodon , <i>Gaudry</i> , = Archegosaurus																		LABYRINTHODONTIDÆ.
latirostris,	Jordan, Goldf. UCM.						*	*										Autun. Saarbrück (upper beds).
Amphicoelosaur , <i>T. P. Barkas</i> , 1872.																		AMPHIBIA.
Taylori,	T. P. Barkas. LCM.				*													Newsham. Northumberland.
Amphisaurus , <i>T. P. Barkas</i> , 1872.																		LABYRINTHODONTIDÆ.
amblyodus,	T. P. Barkas. LCM.				*													Newsham.
Anthracerpeton , <i>R. Owen</i> , 1865?																		
crassosteum,	R. Owen. LCM.				*													Llantrissant (Glamorgansh. shale).
Anthracosaurus , <i>Huxley</i> , 1862.																		LABYRINTHODONTIDÆ.
Russelli,	Huxley. LCM. (or lower)	*	*	*														Kilkenny, Lanarksh., Longnor, &c.
Archegosaurus , <i>Goldfuss</i> , 1847.																		
Decheni,	Goldf. UCM.						*	*										Autun. Saarbrück.
Batrachiderpeton , <i>Hancock and Atthey</i>																		LABYRINTHODONTIDÆ.
lineatum,	Hanc. & Atthey. LCM.				*													Newsham.
Batrachiocephalus , <i>Fritsch</i> ?																		
crassidens,	Fritsch. UCM. Pass.-beds												*					Kounova.
Brachyscelis , <i>Huxley</i> , MSS.																		
spec. indet.,	Hanc. & Atthey. CM.				*													Deep Eaton. Northumberland.
Branchiosaurus , <i>Fritsch</i> . LABYRINTHODONTIDÆ.																		
salamandroides,	Fritsch. UCM. or Pass.-b.												*					Nyran.

NORTH AMERICA.											
Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	LOCALITY.
Cricotus , <i>Cope</i> . Triassic?											
heteroclytus, <i>Cope</i>.	.....							*			Wabash valley (Vermilion Co.), in blackish shale.
Dendrerpeton , <i>Owen</i> , 1853. LABYRINTHODONTIDE.											
Acadianum, <i>Owen</i> .	Lower MCM.									*	Parrsboro'. S. Joggins, Group XV.
obtusum, <i>Cope</i> .	LCM.							*			Linton.
Oweni, <i>Dawson</i> .	Lower MCM.									*	Parrsboro'. S. Joggins, Group XV.
Eosaurus , <i>Marsh</i> , 1861. REPTILIA.	Swimmer; large.										
Acadianus, <i>Marsh</i> .	MCM. (upper)									*	S. Joggins. Chicynecto channel.
Eurythorax , <i>Cope</i> , 1871.											
sublævis, <i>Cope</i> .	LCM.							*			Linton.
Hylerpeton , <i>Owen</i> . ARCHYGOSAURINI?											
curtidentatum, <i>Dawson</i> .	Lower MCM.									*	Joggins, Group XXVI.
Dawsoni, <i>Owen</i> .	"									*	South Joggins, Group XV.
longidentatum, <i>Dawson</i> .	"									*	Joggins.
spec. indet., "	"									*	"
Hylonomus , <i>Dawson</i> , 1859. MICROSAURIA.											
acie-dentatus, <i>Dawson</i> .	Lower MCM.									*	South Joggins, Subdivision XV.
Lyellii, "	"									*	" "
Wymanii, "	"									*	" "
Hyphasma , <i>Cope</i> , 1875.											
lævis, <i>Cope</i> .	Lower MCM.							*		*	Joggins.
Keraterpeton , <i>Huxley</i> , 1865 ...											A horned Salamander.
punctolineatum, <i>Cope</i> .											
tenui-corne, "											
Leptophractus , <i>Cope</i> , 1873.											
obsoletus, <i>Cope</i> .	LCM.							*			Linton (Columbiana Co.).
Megathentomum .											
pustulatum, "	LCM.							*			Tallmadge.
Molgophis , <i>Cope</i> , 1868. BATRACHIA.											
brevicostatus, <i>Cope</i> .	LCM.							*			Linton.
maerurus, "	LCM.							*			"
Wheatleyi, "	LCM.							*			"
Æstocephalus , <i>Cope</i> , 1868. BATRACHIA.											Sauropleura , <i>Cope</i> (pars).
curvidens, <i>Cope</i> .	LCM.							*			Linton.
rectidens, "	LCM.							*			"
remex, "	LCM.							*			" (= <i>Thyreidium fasciculare</i>).
<i>Amphiuminus</i> .											
Ostrophorus?											
Pelion , <i>Wyman</i> , 1868. Batrachio-Salamander.											
(Raniceps) Lyelli, <i>Wyman</i> .	MCM.							*			Jefferson Co.
Peplorhina , <i>Newberry</i> , 1871?											
anthracina, <i>Newberry</i> .	LCM.							*			A fish? <i>Cope</i> , Proc. Ac. N. S. Phil. 1873.
Phlegethontia , <i>Cope</i> , 1871.											
linearis, <i>Cope</i> .	LCM.							*			Linton.
serpens, "	LCM.							*			"
Pleuroptyx , <i>Cope</i> , 1875.											
clavatus, <i>Cope</i> .	LCM.							*			Linton. [(pars).
Ptyonius , <i>Cope</i> , 1868-74											<i>Æstocephalus</i> and <i>Sauropleura</i>
Marshii, <i>Cope</i> .	LCM.							*			Linton (Columbiana Co.).
nummifer, "	LCM.							*			" "
pectinatus, "	LCM.							*			" "
serrula, "	LCM.							*			" "
Vinchellianus, "	LCM.							*			" "

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RUSSIAN PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Ctenocosta , <i>Fritsch</i> . LABYRINTHODONTIDÆ. <i>lata</i> , Fritsch. UCM. Pass.-bed?													*				Nyran, near Pilsen. Kounova, near Rakonitz.
Discospondylus , <i>Huxley, MSS.</i> <i>spec. indet.</i> , Huxley, MSS. LCM.		*															
Dolicosoma , <i>Huxley, 1867.</i> LABYRINTHODONTIDÆ. <i>Emersoni</i> , Huxley. <i>longissima</i> , Fritsch. UCM. Pass.-bed?		*											*				Nyran (gas-coal).
Erpetocephalus , <i>Huxley, 1867.</i> <i>rugosus</i> , Huxley. LCM.		*															LABYRINTHODONTIDÆ. Leinster coal-fields.
Ichthyerpeton , <i>Huxley, 1866</i> ... <i>Bradleyi</i> , Huxley. LCM.		*															LABYRINTHODONTIDÆ. Kilkenny (Jarrow Colliery).
Keraterpeton , <i>Huxley, 1865.</i> AMPHIBIA. <i>Galvani</i> , Huxley. LCM.		*															Kilkenny (Jarrow Coll.).
<i>spec. indet.?</i> , Huxley. LCM.				*													Newsham. Northumberland.
Labyrinthodon , <i>R. Owen, 1841.</i> <i>Swartzenbergii</i> , Fritsch. UCM.													*				Nyran. Kounova (gas-coal).
Labyrinthodontosaurus , <i>T. P. Barkas, 1872.</i> <i>Simmsi</i> , Huxley. LCM.				*													Newsham.
Lepterpeton , <i>Huxley and Wright, 1865.</i> AMPHIBIA. <i>Dobbsii</i> , Huxl. & Wright. LCM.		*															Kilkenny (Jarrow Coll.).
<i>gracilis</i> , " Huxley. LCM.		*															"
Leptognathosaurus , <i>T. P. Barkas, 1872.</i> AMPHIBIA. <i>elongatus</i> , T. P. Barkas. LCM.		*															Newsham.
Loxomma , <i>Huxley, 1862.</i> <i>Allmanni</i> , Huxley. LCM.		*	*														Drumgray (Carluke). Gilmerton.
Macrosaurus , <i>T. P. Barkas, 1872.</i> AMPHIBIA. <i>polyspondylus</i> , T. P. Barkas. LCM.				*													Newsham.
Megalerpeton , <i>Young and Thomson.</i> <i>plicatus</i> , Young & Thoms. MCM.		*															Quarter (Hamilton), black band.
<i>simplex</i> , " " MCM.		*															"
Megalocephalus , <i>T. P. Barkas.</i> AMPHIBIA. <i>macroma</i> , T. P. Barkas. LCM.		*															Newsham.
Melosaurus , <i>Fritsch, 1870.</i> <i>Bohemicus</i> , Fritsch. UCM. Pass.-bed?												*					Nyran.
Microbrachis , <i>Fritsch, 1870.</i> <i>Pelicans</i> , Fritsch. UCM. Pass.-bed												*					"
Ophiderpeton , <i>Huxley, 1865</i> ... LABYRINTHODONTIDÆ. <i>Brownriggii</i> , Huxley. LCM.		*															Kilkenny (Jarrow Coll.).
<i>nanum</i> , Hanc. & Atthey. LCM.				*													Newsham shales.
<i>spec. indet.</i> , " LLS.?		*															Kilkenny.
Orthosaurus , <i>T. P. Barkas, 1872.</i> REPTILIA. <i>pachycephalus</i> , T. P. Barkas. LCM.				*													Newsham. Northumberland.
Pholiderpeton , <i>Huxley, 1869</i> ... LABYRINTHODONTIDÆ. <i>scutigerum</i> , Huxley. LCM.		*															Bradford (Yorkshire).
<i>spec. indet.</i> , " LCM.		*															Palace Craig. Quarter (black band).
Pholidogaster , <i>Huxley, 1862</i> ... LABYRINTHODONTIDÆ. <i>pisciformis</i> , Huxley. LCM.		*															Edinburgh (allied to <i>Archæosau-</i>
Pteroplax , <i>Hancock and Atthey, 1867.</i> LABYRINTHODONTIDÆ. <i>cornuta</i> , Hanc. & Atthey. LCM.		*	*														[rus]. Rae's Gill. Quarter. Newsham.

NORTH AMERICA.													
Genus, Species, and Author.	Horizon.											Locality.	
		ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.
Sauroploera , <i>Cope</i> , 1868. Batr.	ACHIL.												
digitata, Cope.	LCM.								*				Linton.
longipes, "	LCM.								*				"
Newberryi, "	LCM.								*				"
remex, "	LCM.								*				"
Sauropus , <i>Lea</i> , 1849. Batrachian.													
primævus, Lea.	LCM.										*		Pottsville.
Sydnensis, Dawson.	MCM.											*	North Sydney, near railroad bridge.
unguifer, Lea.	Dark red Sandst.											*	Cumberland Co.
Thenaropus , <i>A. T. King</i> .													
heterodactylus, A. T. King.	LCM.										*		Westmoreland.
Thyrsidium , <i>Cope</i> . <i>Æstocephalus</i> .													
fasciculare, Cope.	LCM.								*				Linton (Columbiana Co.).
Tuditatus , <i>Cope</i> , 1871. LABYRIN.	THODONTIDÆ.												
brevis, Cope.	LCM.								*				Linton.
Huxleyi, "	LCM.								*				"
longipes, "	LCM.								*				"
mordax, "	LCM.								*				Pottsville?
obtus, "	LCM.								*				Linton.
punctulatus, "	LCM.								*		*		"
radiatus, "	LCM.								*		*		"
spec. indet., "	LCM.								*		*		Pottsville?

† Cope, Trans. Amer. Phil. Soc. n. s. vol. xv. p. 270 (1875).

SUPPLEMENTARY TABLE,

EXHIBITING THE FOSSIL VEGETABLE AND ANIMAL LIFE OF COUNTRIES NOT INCLUDED IN THE FOREGOING TABLE.

ALETHOPTERIS.]

PLANTÆ.

[CARBONIFEROUS.

AMERICA.													
Genus, Species, and Author.	Horizon.											Locality.	
		BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	MARYLAND.	RHODE ISLAND.
Alethopteris , <i>Sternberg</i> , 1825.													
grandis, Daws.	LCM.											*	Bay of Chaleurs.
Massilionis, Lesq.	LCM., M.											*	Mimimigash.
nervosa, Göpp.	LCM., M., U.											*	Newport. Mimimigash.
Pennsylvanica, Lesq.	LCM.											*	"
Serlii, Brngn.	LCM., U.								*			*	"

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAI.	Locality.
Scincosaurus , <i>Fritsch</i> , 1870. crassus,	Fritsch.	UCM. Pass.-bed	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	Nyran.
Septerpeton , <i>Huxley</i> , 1866. LAB <i>Dobbsii</i> , Huxley. LCM.	YRINTHODONTID.E. .....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Kilkenny.
Sparodus , <i>Fritsch</i> , 1870. validus,	Fritsch.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	Nyran.
Stelliosaurus , <i>Fritsch</i> , 1870. longicostatus,	Fritsch.	UCM. Pass.-bed	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	Nyran.
Streptodontosaurus , T. P. Bar kas, 1872..... carinatus, T. P. Barkas. LCM.	..... .....	..... .....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	AMPHIBIA. Newsham.
Urocordylus , <i>Huxley</i> , 1866. LAB reticulatus, Hanc. & Atthey. LCM.	YRINTHODONTID.E. .....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Newsham shales.
scalaris, Wandesfordii,	Fritsch. UCM. Pass.-bed Huxley. LCM.	..... .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	Nyran. Kilkenny.

SUPPLEMENTARY TABLE.

EXHIBITING THE FOSSIL VEGETABLE AND ANIMAL LIFE OF COUNTRIES NOT INCLUDED IN THE FOREGOING TABLE.

[illegible]

SUPPLEMENTARY TABLE.

AMERICA.												
Genus, Species, and Author.	Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	MARYLAND.
											RHODE ISLAND.	GASPÉ. B. CHAL.
											PR. EDWARD ISL.	ARCTIC SEAS.
Annularia , <i>Sternberg</i> , 1822.												
fertilis, Stern.	LCM.										*	Easton Beach.
longifolia, Brngn.	LCM.										*	Newport.
sphaenophylloides, Unger.	LCM.										*	Easton Beach.
Aphlebia , <i>Prest</i> , 1838.												
spec. nov., C. H. Hitchcock.	LCM.										*	Easton Beach.
Asterophyllites , <i>Brongniart</i> , 1828.												
equisetiformis, Brngn.	LCM. ?										*	Newport.
foliosus, Lindl. & Hutt.	LCM. ?									*		Frostburg.
galioides, Sternb.	LCM. ?										*	Malbay (south side).
grandis, Lesq.	LCM.										*	Gaspé.
sublaevis, Brngn.										*		Newport.
tuberculata, Logan.										*		Frostburg.
spec. indet.,											*	Malbay (south side).
Bechera , <i>Sternberg</i> , 1825.												
grandis, var. tenuis, Lyell.								*				
Beinertia , <i>Göppert</i> , 1836.												
Göpperti, Daws.	MCM.										*	Bay of Chaleurs, &c.
Calamites , <i>Suckow</i> , 1784.												
Cistii, Brngn.	LCM., U.										*	Newport.
formosus, Lindl. & Hutt.	LCM. ?									*		GallasPoint.
gigas, UCM.											*	Miminigash.
nodosus, Schloth.										*		Frostburg.
Succovi, Brngn.	LCM., M., U.									*		Point Gallas.
spec. indet., Stevenson.	LCM. ?									*		Frostburg.
										*		Point Gallas.
										*		Campbell Town.
										*		Dog River.
										*		Monongahela Co.

SUPPLEMENTARY TABLE.

Genus, Species, and Author.		Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	SYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPITZBERGEN.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
de Francii,	Brngn.	CM.				*												Stangalpe.
Downaisii,	Göpp.	LCM.		*														Ervedoza. Montalto.
Grandini,	"			*														
lonchitica,	Brngn.	CM.		*	*	*												None for Portugal. Basin of Seui.
mertensioides,	Gutbier.	CM.			*													Stangalpe.
muricata,	Göpp.	LCM.		*														Stangalpe.
pterooides,	Brngn.						*											Pedro da Cova. Pedorido.
Serlii,	"	LCM., &c.			*	*												Basin Seui, Stangalpe, Baden, and Hanover.
urophylla,	Göpp.			*														Vallongo.
spec. indet. (2),	Menegh.				*													
Anarthrocanna, Göppert, 1845.	Göpp.	LLS.																Uckersdorf by Herborn.
stignaroides,	Göpp.																	
Annularia, Sternberg, 1822.	Brngn.	MCM.		*	*													Pedro da Cova.
brevifolia,	Sternb.	UCM.		*	*	*												
fertilis,	Brngn.	LCM., M., U.		*	*	*												Bussaco. Basin Seui. Stangalpe.
longifolia,	Brngn.			*	*	*												
Aspidites, Göppert, = Pecopteris.	Plucknetti,	Göpp.		*														Paçal. Poço Carlota.
Asplenites, Göppert, 1836.	Etingsh.	LCM.		*														Environs of Oporto.
elegans,	Brngn.				*													Basin Seui.
Aplophlebis.	Brngn.				*													
hemiteloides?,	Brngn.				*													
Asterophyllites, Brongniart, 1828.	Menegh.				*	*												Stangalpe.
equisetiformis,	Lindl. & Hutt.				*	*												
foliosus,	Reydellet.			*														Puertollana. Ciudad-Reale Prov.
grandis,	Brngn.			*														Ervedoza.
rigida,	"			*	*	*												Basin Leulo.
tenuifoliata,	"			*	*	*												
tuberculata,	Brngn.			*	*	*												Basin Leulo.
spec. indet.,	Roehl.			*	*	*												Vallongo.
"	Roehl.			*	*	*												
Bechera, Sternberg, 1825.	Sternb.	LCM.?		*														Montalto. Vallongo.
dubia,	Brngn.	LCM.					*	*	*		*							Bleiberg.
Bornia, Sternberg, 1825.	Lesq.	LLS.										*						
radiata,	Brngn.						*	*	*		*							
spec. indet.,	Lesq.											*						
Calamites, Suckow, 1781.	Schloth.		*	*	*	*	*	*	*									Stangalpe.
approximatus,	Brngn.	LLS.		*	*	*	*	*	*									Ervedoza. Stangalpe. Herborn.
cannæformis,	"	LCM., M.		*	*	*	*	*	*									" Leulo. Stangalpe.
Cistii,	Sternb.	MCM.		*	*	*	*	*	*									Stangalpe.
cruciatus,	Artis.	MCM.		*	*	*	*	*	*									"
dubius,	Brngn.			*	*	*	*	*	*									Ervedoza.
gigas,	"	LCM.		*	*	*	*	*	*									
pachyderma,	"	LCM., M.		*	*	*	*	*	*									Pedro da Cova, Basin of Seui, Stangalpe.
Succovi,	Etingsh.	LLS.		*	*	*	*	*	*		*							Reyberg (near Herborn).
transitionis,	"																	
radiatus,	Sternb.	LLS.		*							*							
undulatus,	Göpp.	LLS.							*									
variolatus,	Brngn.	LCM.							*									
Voltzii,	Brngn.								*									Zundswaiser and Offenburg (Baden).
Cardiocarpum, Brongniart, 1828.	Brngn.					*												?
Pomicri,	Göpp.	LLS.					*					*						
punctatum,	Göpp.	LLS.										*						
ursina,	Heer.	LLS.										*						
Cardiopteris, Schimper, 1859.	Göpp.	LLS., Ursa stage										*						
frondosa,	"	LLS.										*						
polymorpha,	"											*						
Carpolites, Sternberg, 1825.	Morris.	LCM.					*	*										
helieteroides,	Presl.	LCM.				*	*	*										Stangalpe.
multistriatus,	"					*	*	*										
Catenaria, Sternberg, 1825.	Reydellet.		*															Puertollana.
decora,	Brngn.																	
Chondrites, Sternberg, 1833.	Eichw.	LLS.		*								*						
subtilis,	Göpp.	LLS.		*					*									Herborn.
tenellus,	"			*					*									
Coniopteris, Meneghini, 1857.	Menegh.		*	*	*	*	*	*	*									Basin of Seui.
auriculata?,	"		*	*	*	*	*	*	*									

SUPPLEMENTARY TABLE.

AMERICA.																	
Genus, Species, and Author.	Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	MARYLAND.	RHODE ISLAND.	GASPÉ. B. CHAL.	PR. EDWARD ISL.	ARCTIC SEAS.	Locality.
Cordaite s, <i>Unger</i> , 1845. borassifolia, simplex, Unger. Dawson.	CL. UCM.													*	*		Below Millstone grit (red shales). Miminigash.
Cyclopteris , <i>Brongniart</i> , 1828. elegans, fimbriata, undans, spec. indet., Lesq. " " Heer.	LCM. LCM. LCM.										*	*	*			*	Virginia, West. " " "
Cyperites , <i>Lindley and Hutton</i> , 1830. spec. indet., Sir W. Logan	LLS., MCM.													*			South side of Malbay.
Dadoxylon , <i>Endlicher</i> , 1840. <i>Lo</i> materiarum, Daws.	<i>matophloyos</i> , <i>Corda</i> MCM., U.														*		A Conifer. Point Gallas.
Eremopteris , <i>Schimper</i> , 1869? marginata, Andrews.	LCM.										*						Rushville. Perry Co.
Filicites , <i>Brongniart</i> , 1828. vittaroides ?, Brngn.	.....										*						Richmond.
Flemingites , <i>Carruthers</i> . Pedroanus, Carruth.	.....	*															Rio Grande do Sul. Serra Partida.
Goniopteris , <i>Presl, emendat. Al.</i> emarginata, Göpp.	<i>Braun.</i>											*					Frostburg.
Hymenophyllites , <i>Göppert</i> , 1836. Hildreti, Lesq.	LCM.										*						
Lepidodendron , <i>Sternberg</i> , 1821; <i>Sowerby</i> . aculeatum, dichotomum, Sternb. "	MCM. ? LCM.										*			*			Frostburg. Newport.

SUPPLEMENTARY TABLE.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	SYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SCHLESWIG.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
Cordaites , Unger. Flabellaria .	Pycnophyllum .																
borassifolia, Unger.	UCM.	*	*														Passal. Pedorido. Basin of Seui, &c.
palmaeformis, Göpp.	UCM.										*						Robertthal. Recherche Bay.
prinordialis?, principalis, Germar.	UCM.										*						Robertthal?
Cyatheites , Göppert, 1836. Pecopteris , pars.	Göpp.		*	*													No locale (J. Meneghini).
aqualis, Göpp.	LCM.	*	*	*	*												Pedro da Cova. Stangalpe.
arborescens, Brngn.	CM.		*	*	*												Stangalpe.
var. cyathæa, argutus, "	CM.			*	*												"
delicatula, "				*	*												"
dentatus, "				*	*												"
Candoliannus, "	CM.			*	*												"
hemiteloides, "				*	*												"
lepidorhachis, Göpp.	CM.		*	*	*												Pedro da Cova.
Miltoni, Artis, Göpp.	Göpp.	*	*	*	*												"
oropteroides, Göpp.	Göpp.	*	*	*	*												Stangalpe.
pennaeformis, Brngn.																	"
plumosus, "				*	*												Stangalpe.
Schlotheimii, Brngn.	CM.		*	*	*												Pedro da Cova.
unitus, Brngn.			*	*	*												
Cyclocarpum , Lindley, 1833. marginatum, Lindley.							*										Baden.
Cyclopteris , Brongniart, 1828. dilatata, Lindl.	Adiantites			*													Nœggerathia, &c.
flabellata, Brngn.	L.L.S.			*			*										Pedro da Cova.
Cyclostigma ?, Houghton, 1840. Kiltorkense, minutum, Nathorstii, "	Ur a Stage										*	*					Ice Sound (within Gipp's Hook).
	MCM.?										*	*					"
Cyperites , Lindley, 1830. spec. indet., Gomez.			*														Pedro da Cova.
Dactylopteris , Göppert. Stickleriana, Göpp.	LLS.																Wernigerode (Saalfeld). Central Germany.
Dichophlebis , Meneghini, 1857. affinis, Brngn.	LCM.			*													Sebastian de Seui and at Lenlo.
crenulata, "	LCM.			*													"
gigantea, "	LCM.			*													"
lepidorhachis, "	LCM.			*													"
oropteroides, "	LCM.			*													"
Sillmani, "	LCM.			*													"
Diplazites , Göppert, 1838. Pecopteridea . emarginatus, longifolius, "	Göpp. CM.	*															Covelo?
Endogenites , Sternberg, 1833 ... striata, Lindl. & Hutt.	CM.	*		*													Bussaco Hills. Stangalpe.
Equisetites , Sternberg, 1833. columnaris?, Brngn.	LCM.			*													Cast of a stem.—Carruthers.
Glossopteris , Brongniart. Sagencpteris , Presl. Browniana, Brngn.	MCM.	*															Bussaco.
var. a. Australasia, "													*				N. S. Wales. Hawkesbury. Queens-land
" b. Indica, "													*				Rano-Gunger (Mount Voysey).
" c. angustifolia, "													*				"
Goniopteris (Eugoniopteris), elegans†, Germar.	<i>Presl, emendat. Al. Braun.</i>	*															Puertollano. Prov. Ciudad-Real.
brevifolia (Desmophlebis), Sch.	MCM.			*													
longifolia, Brngn.		*															
Hemitelites , Göppert, 1836. gigantea, Göpp.	MCM.	*															Pedro da Cova. Bussaco.
<i>Pecopteris</i> .																	
Hymenophyllites , Goppert, 1836. costa, Göpp.	LCM.	*															St. Pedro da Cova.
Knorria , Sternberg, 1825. acicularis, Göpp.	Ursa Stage										*	*					
imbricata, Taxina, Lindl. & Hutt.	MCM., U.	*		*	*						*	*					St. Pedro da Cova.
Lepidodendron , Sowerby. Sag enaria , &c.	Presl.	*		*	*												Stangalpe.
aculeatum, M'Coy.	L.L.S., &c.	*		*	*												St. Pedro da Cova.
australe, M'Coy.													*				Gipp's Land (micaceous shale).

SUPPLEMENTARY TABLE.

AMERICA.

Genus, Species, and Author.	Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	MARYLAND.	RHODE ISLAND.	GASPÉ. B. CHAL.	PR. EDWARD ISL.	ARCTIC SEAS.	Locality.
dilatatum, Lindl. & Hutt.	MCM.																Newport.
obovatum, Sternb.	LCM.											*					Frostburg.
obtusum, Lesq.	LCM.														*		Skene's Bay, Melville Island, and in Pennsylvania (Carbondale).
radiato-plicatum, Daws.	LCM.																Newfoundland.
Lepidophloios, Sternberg, 1823.																	
spec. indet., C. H. Hitchcock.	LCM.										*						Newport.
Neuropteris, Brongniart, 1828.																	
Clarksoni, Lesq.	LCM.										*						Newport, &c.
cordata, Brngn.	LCM.										*						Frostburg.
fissa, Lesq.	LCM.?										*						East Virginia.
flexuosa, Brngn.	LCM.										*						Newport.
gigantea, Sternb.	LCM. M.										*						Frostburg.
hirsuta, Lesq.	LCM.?										*						Newport.
Loshii, Brngn.	LLS.										*	*					"
minor, Lesq.											*						Tamaqua.
rarinervis, Bunb.	MCM. U.										*			*			Mimigash and in Cape Breton.
tenuinervis, Lesq.											*			*			
spec. indet., C. A. Hitch.	LCM.?										*			*			
Næggerathia, Sternberg, 1831.																	
dispar, Daws.	MCM.										*						
flabellata, Lindl. & Hutt.														*			Bay Very Welcome.
Franklini, Heer.	CM.													*			Melville Island.
McClintockii, "	LCM.													*			"
minor, Lesq.											*						Tamaqua.
obovata, Carruth.		*									*						Riv. Candiota. Prov. Rio Grande do
Polaris, Heer.	CM.										*				*		Melville Island. [Sul.]
Odontopteris, Brongniart, 1822-28.																	
Brardii, Brngn.											*						Mount Hope.
deformata, Lesq.											*						Newport.
plantiana, Carruth.		*															Province St. Catharina.
Pachyphyllum, Lesquereux.....																	Schizopteris, auctorum.
finbriatum, Lesq.											*						Salem Vein.
lactuca, "	LCM.?										*						And Gate Vein, New Philadelphia.
<i>Schizopteris.</i>																	
Palæopteris, Geinitz.																	
Halliana, Göpp.	Chemung Group										*						Gaspé Bay.
Jacksoni, Daws.	LLS.										*						"

SUPPLEMENTARY TABLE.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	STYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPITZBERGEN.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
Bloedei,	Fischer.	LLS.							*									Herborn.
Carneggianum,	Heer.	LLS. &c.										*						Asia Minor.
candatum,	Presl.	L. ?																
commutatum,	Schimp.	LLS.										*						Herborn.
crassifolium,	Ettingsb.	LLS.						*					*					Stangalpe.
gracile,	Lindl.	LCM.				*												St. Ingbert.
insigne,								*										Montalto. Stangalpe (<i>Sagenaria</i>).
obovatum,	Sternb.	LCM. ?	*		*													Rhine. Baden. Zundaweier.
rhombicum (with spores),	"	CM.			*													Stangalpe.
rimosum,	"	CM.			*													Robertthal.
selaginoides,	"	UCM.									*							"
Sternbergii,	Brngn.	UCM.									*							?
spora,	"																	Stangalpe.
undulatum,	Sternb.	CM.			*						*							"
Veltheimianum,	"	LLS., CM.			*						*							In sandstone, below CL.
Wijkianum,	Heer.	Ursa Stage									*							Asia Minor.
spec. indet.,	D'Arch.																	
"	Meneghini.				*													
Lepidophyllum , Brongniart, 1828.																		
caricinum,	Heer.	UCM.									*							Robertthal. Petit Cœur (Savoy).
lineare,	Brngn.	UCM.			*													Stangalpe.
ornatissimum,	Unger.	?																Petit Cœur (Savoy).
Römeri,	Heer.	LLS. (Ursa)										*						
Lepidophloios , Sternberg, 1823.																		
spec. indet.,	Tchihatcheff.	LCM.																Asia Minor.
Lonchopteris , Brongniart, 1828.																		
Bricei, = rugosa,	Brngn.	LCM. ?	*															
Lycopodites , Brongniart, 1822.																		
affinis,	Brngn.	CM.	*															Vallee da Leao.
filiformis,	Heer.	LLS.									*	*	?					Robertthal. Recherche Bay.
piniformis,	Brngn.	CM.	*															Bussaco Hills. And in Thuringia.
Neuropteris , Brongniart, 1828.																		
acutifolia †,	Brngn.	LCM. &c.	*															Pedro da Cova.
auriculata,	"	LCM. &c.	*															"
Brongniarti,	Sternb.	MCM.	*															"
cordata †,	Brngn.	LCM., M.	*	*	*													Bussaco. Stangalpe.
decurrens,	"	CM.					*	?										Deux Ponts.
flexuosa †,	Sternb.	LCM.	*	*														Pedro da Cova.
Leberti,	Heer.	Ursa Stage										*						Erbignon (Savoy), &c.
Loshii,	Brngn.	Passim.	*															Pedro da Cova and in Savoy.
Scheuchzeri,	Hoffman.	CM.	*															Aleazar.
Soretii †,	Brngn.	CM.																The Tarentaise (Savoy).
tenuifolia †,	Sternb.	CM.																Erbignon (Savoy).
Villiersii,	Brngn.	LCM.	*															Mines of Alais (East France).
spec. indet.,	Vern.		*															
"	Meneghini.				*													
Nœggerathia , Sternberg, 1831.																		
dichotoma,	Göpp.	LLS.							*									Herborn.
flabellata,	Lindl. & Hutt.	LCM. &c.	*															
palmaeformis,	Göpp.	LLS., LCM.	*															
tenuistriata,	"	LLS.						*										Herborn (alum-slate).
spec. indet.,	Gomez.	LCM.	*	*														Pedro da Cova.
Odontopteris , Brongniart, 1828.																		
alpina †,	Presl & Gein.	MCM.			*													Black Sea. Savoy. Stangalpe.
Brardii,	Brngn.	LCM.	*	*														Bussaco. Fonte do Salgueiro.
imbricata,	Göpp.	LLS.						*										Herborn (alum-slate).
microphylla,	?														*			Wianamatta (New South Wales).
obtusula,	Brngn.	CM.	*															Bussaco.
obtusiloba,	Naumann.	MCM.																Eregli (Black Sea).
Schlotheimii,	Brngn.																	Thuringia.
Sternbergii,	Sternb.	UCM.																"
Oligocarpus , Geinitz and Gutbier, 1841.																		
Gutbieri,	Gein. & Gutb.	CM.		*														Zwickau (Saxony).
<i>Sphenopt. confluent.</i>																		
Palæopteris , Geinitz.																		
Römeriana,	Göpp.	LLS. (O. R. S.).									*							Moresnet (Rhenish Prussia).

† = *Euneuropteris*, a subgenus of *Neuropteris*, Schimp. Pal. Végét. i. 432.

SUPPLEMENTARY TABLE.

AMERICA.																	
Genus, Species, and Author.	Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	MARYLAND.	RHODE ISLAND.	GASPÉ, B. CHAL.	PR. EDWARD ISL.	ARCTIC SEAS.	Locality.
Pecopteris , <i>Brongniart</i> , 1828.																	
abbreviata, Brngn.	.....										*						Frostburg.
adiantoides, Lindl. & Hutt.	.....										*						"
affinis, Brngn.	LCM.										*						Easton Beach on Aquidneck Island.
arborescens, "	LCM., M., U.										*	*	*	*	*	*	Frostburg. Easton Beach.
arguta, "	LCM., U.										*	*	*	*	*	*	Newport. Mimiugash.
dentata, "	LCM.										*	*	*	*	*	*	"
hemiteloides, "	LCM.										*	*	*	*	*	*	"
Miltoii, "	LCM.										*	*	*	*	*	*	"
nervosa, "	.....										*	*	*	*	*	*	Bay of Chaleurs.
oreopteroides, "	LCM., M., U.										*	*	*	*	*	*	Newport. Miminigash.
plumosa, "	LCM.										*	*	*	*	*	*	" ?
rigida, Daws.	UCM.										*	*	*	*	*	*	Miminigash. Tatanagouche.
Serlii, Brngn.	.....										*	*	*	*	*	*	Bay of Chaleurs.
Sillimani, "	.....										*	*	*	*	*	*	Frostburg.
unita, C. H. Hitch.	LCM.										*	*	*	*	*	*	Easton Beach.
spec. indef., Heer.	.....															*	
Pinus , <i>Linnaeus</i> , 1758.																	
Bathursti, Heer.	LLS.														*		Also in Kansas, U.S.A.
Polypodites , <i>Goppert</i> , 1836.																	
elegans, Göpp.	.....											*					or Göppert, 1836. Newport.

SUPPLEMENTARY TABLE.

[illegible]

SUPPLEMENTARY TABLE.

AMERICA.																	
Genus, Species, and Author.	Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	MARYLAND.	RHODE ISLAND.	GASPÉ, B. CUAL.	PR. EDWARD ISL.	ARCTIC SEAS.	Locality.
Schizopteris , <i>Brongniart</i> , 1830; <i>Presl</i> .																	
Melvillensis, Heer.	.....																* Skene Bay (Melville Island).
Sigillaria , <i>Brongniart</i> , 1828.																	
reniformis, Brngn.	CM.										*						Frostburg.
retiformis, Bunbury.	CM.										*						"
				</													

SUPPLEMENTARY TABLE.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	STYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPITZBERGEN.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
Lindleyana,	Presl.	LLS.																Thuringia?
minutissima,	Göpp.	LLS.																"
remota,	"	LLS.																"
rugosa,	Presl.	LLS.																"
Samaropsis , Heer, 1877.																		
Spitzbergensis,	Heer.	UCM.										*						Robertthal.
Schizopteris , Brongniart, 1830.																		
Gutbieriana,	Geinitz.	UCM.																Thuringia.
Sigillaria , Brongniart, 1828. Favularia .																		
alternans,	Sternb. & Lindl.	CM.				*												Stangalpe.
Biercii,	Brngu.	LCM.				*												"
Brardii,	"	MCM.				*												"
Caudollei,	"	LCM.				*												Asia Minor (Tchihatcheff's Travels).
coarctata,	Goldenb.	MCM.				*												St. Ingbert.
de Francii,	Brngu.	LCM.				*												Stangalpe.
Deutschiana,	"	MCM. &c.				*	*	*										" St. Ingbert.
distans,	Sauv. & Geinitz.	CM.				*	*	*										"
elegans,	Brngu.	LCM.				*	*	*										"
elliptica,	"	LCM.				*	*	*										"
elongata,	"	UCM.?				*	*	*										"
gracilis,	"	.....				*	*	*										"
Gutbieriana,	?	.....				*	*	*										"
intermedia,	Brngu.	CM.				*	*	*										Stangalpe.
leioderma,	"	UCM.?				*	*	*										" (Unger).
lepidodendrifolia,	"	MCM.?				*	*	*										"
levigata,	"	MCM.?				*	*	*										"
Menardi,	"	.....				*	*	*										"
obliqua,	"	MCM.				*	*	*										Stangalpe.
oblonga,	Sauveur.	UCM.				*	*	*										"
orbicularis,	Goldenb.	?	*			*	*	*										"
parallela,	Unger.	MCM.				*	*	*										Stangalpe.
rhomboidea,	Brngu.	CM.				*	*	*										"
Schlotheimiana,	"	CM.		*		*	*	*										"
tessellata,	"	CM.				*	*	*										"
" five vars.?	"	?				*	*	*										"
spec. indet.,	De Vern.	LCM.				*	*	*										Asia Minor (Tchihatcheff's Travels).
Sphenophyllum , Brongniart, 1828.		828				*	*	*				*						A Calamites.
bifidum,	Heer.	UCM.				*	*	*				*						Robertthal.
dentatum,	Brngu.	?				*	*	*										"
emarginatum,	"	.....		*		*	*	*										"
longifolium,	Germar.	UCM.				*	*	*			*							St. Ingbert. Robertthal (Recherche
majus,	Brngu.	.....		*		*	*	*			*							[Bay].
oblongifolium,	Germar.	.....				*	*	*			*							Altenkirchen.
saxifragæfolium,	Sternb.	LCM.?				*	*	*			*							Stangalpe.
subtile,	Heer?	UCM.				*	*	*			*							Robertthal.
spec. indet.,	Meneghini.	.....				*	*	*			*							"
"	Tchihatcheff.	.....				*	*	*			*							Asia Minor.
Sphenopteris , Brongniart, 1828.																		
alata,	Brngu.	.....				*	*	*			*				*			Newcastle (N. S. W.).
charophylloides,	"	LCM.		*		*	*	*			*				*			Villaverde. Pedorido.
cristata,	"	LCM.		*		*	*	*			*				*			Pedro da Cova.
Decheni?	Weiss.	.....				*	*	*			*				*			Deux Ponts (in <i>Sphaerosiderite</i>).
distans,	Gutbier.	UCM.				*	*	*			*				*			Robertthal.
erosum,	Lindl. & Hutt.	LCM.		*		*	*	*			*				*			Pedro da Cova.
flexibilis,	Heer.	UCM.				*	*	*			*				*			Robertthal.
frigida,	"	UCM.				*	*	*			*				*			"
geniculata,	Germar.	UCM.				*	*	*			*				*			"
Gravenhorstii,	Brngu.	LCM.?		*		*	*	*			*				*			"
pachyrrhachis,	Göpp.	LLS.		*		*	*	*			*				*			Herborn.
patentissima,	Ettingsh.	LCM.				*	*	*			*				*			"
petiolata (f),	Göpp.	LLS.		*		*	*	*			*				*			Herborn.
refracta (f),	"	LLS.				*	*	*			*				*			"
Schimperi,	"	LLS.				*	*	*			*				*			"
spec. indet. (2), De Vern. & D'Arch.		.....	*			*	*	*			*				*			And in Asia Minor.
Staphylopteris , Lesquerenz, nec species?		Presl				*	*	*			*				*			Indusia of Fern.
Stigmaria , Brongniart, 1828.																		Robertthal.
anabathra,	Corda.	LCM. &c.				*	*	*			*				*			Stangalpe. [Hook.
ficoides,	Brngu.	.....	*	*		*	*	*			*				*			Pedro da Cova, &c. Ice Sound, Gips

(f) This letter represents the "Davallioides," one of the nine families into which the genus *Sphenopteris* is distributed (see p. 181).—Schimp. Pal. Végét. i. p. 371 &c.

SUPPLEMENTARY TABLE.

AMERICA.																	
Genus, Species, and Author.	Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	MARYLAND.	RHODE ISLAND.	GASPÉ. B. CHAL.	PR. EDWARD ISL.	ARCTIC SEAS.	Locality.
Thuites , <i>Brongniart</i> , 1823. A Conifer. Parryanus, Haughton.	LLS.															*	Parry Isle (Village Point), near Melville Island.
Walchia , <i>Sternberg</i> , 1825. <i>gracilis</i> , Dawson. <i>robusta</i> , „	UCM. UCM.															*	Mimmigash. „

SUBKINGDOM COELENTERATA (Frey and Leuckart). CLASS ACTINOZOA.

[illegible]

SUPPLEMENTARY TABLE.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	STYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPITZBERGEN.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
lævis,	Göpp.	LLS.				*												Herborn.
Lindleyana,	Heer.	UCM.										*						Robertthal.
Tæniopteris , Brongniart, 1828.																		
vittata,	Brngn.				*													Leulo.
Trigonocarpus , Brongniart, 1828.																		
Nöggerathii,	Lindl. & Hutt.	LCM. &c.		*														
spec. indet.,	Brngn.	LCM. &c.		*														Vallongo.
Ulodendron , Lindley and Hutton,		1831.																
conmutatum,	Schimp.												*	*				
Vertebraria , Royle, 1832.																		
Indica,	Royle.													*				Himalaya.
radiata,	"													*				"
Volckmannia , Sternberg, 1825.																		
gracilis,	Sternb.			*														Ervedoza. Montalto (Gomes).
Walchia , Sternberg, 1825.																		
linearifolia,	Göpp.	UCM.									*							Robertthal.

SUBKINGDOM COELENTERATA (Frey and Leuckart). CLASS ACTINOZOA.

Alveolites , Lamarck, 1801.																	
<i>lobata</i> , Menegh.				*													
<i>Macklon</i> , Beyrich.														*			Timor Island (north of and near Australia).
Amplexus , Sowerby, 1814.																	
<i>arundinaceus</i> , Morris.											*	*	*				Shoalhaven, Barber's (N.S.W.). [Co.).
Chaetetes , Fischer, 1837.																	
<i>crinita</i> , Lonsd.											*	*	*				Illawarra. Wollongong Pt. (Camden Blackhead. " "
<i>gracilis</i> , Dana.														*			Harper's Hill (sandstone). "
<i>ovata</i> , Lonsd.														*			Robertthal?
<i>radicans</i> , Nord.	UCM.									*							Harper's Hill.
<i>Tasmaniensis</i> , Lonsd.														*			
Cladoconus , M'Coy, 1847.																	
<i>tenuicollis</i> , M'Coy.														*			?
Clisiophyllum , Dana, 1846.																	
<i>australe</i> , Beyrich.														*			Timor Island.
<i>indicum</i> , De Kon.	CL.										*						Punjaub Salt Range.
Cyathophyllum , Goldfuss, 1826.																	
<i>ibicinum</i> , Fischer.	UCM.									*							Robertthal?
Fistulipora , M'Coy, 1849.																	
<i>Mülleri</i> , Beyrich.														*			Timor.
Heliolites , Dana, 1846.																	
<i>Mülleri</i> , Beyrich.														*			Timor.
? Isastræa , Edwards, 1851.																	
<i>arachnoidæa</i> , De Kon.	CL.										*						Punjaub Salt Range.
Lithostrotion , Fleming, 1827.																	
<i>caespitosum</i> , De Kon.	CL.										*						Punjaub Salt Range.
<i>basaltiforme</i> , Concyb. & Phill.	CL.										*						" "
<i>irregulare</i> , Phill.	CL.										*						" "

SUPPLEMENTARY TABLE.

AMERICA.																	
Genus, Species, and Author.	* Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	MARYLAND.	RHODE ISLAND.	GA. CAL.	PR. EDWARD ISL.	ARCTIC SEAS.	Locality.
Lonsdaleia , <i>M'Coy</i> , 1849.																	
<i>rugosa</i> , M'Coy.							*										(Meek.)
Lophophyllum , <i>Milne-Edwards and Haime</i> , 1850.																	[and Green rivers (Utah).
<i>prolificum</i> , M'Chesn.	LCM.					*					*						Decker's Crk. Confluence of Grand
var. <i>sauridens</i> , Powell.	UL.			*													Santa Fé.
Michelinia , <i>De Koninck</i> , 1842.																	
spec. indet., Salter.															*		Albertland.
Monticulipora , <i>Lamarek</i> , 1816.																	
spec. nova, Meek.											*						River Cheat (Tucker Co.).
Ptylodictya , <i>Lonsdale</i> , 1839.																	
<i>dictyola</i> , Kinderh.									*								Outlet of Lake Mystic.
Stylastræa , <i>Lonsdale</i> , 1841.																	
<i>inconferia</i> , Salter.															*		Grinnell's Land. Dépôt Point.
Syringopora , <i>Goldfuss</i> , 1826. Harmodites .																	
<i>mult-attenuata</i> , M'Chesn.						*		*									Gypsum Canon, &c.
spec. indet., Salter.															*		Albertland. Dépôt Point.
<i>Aulopora</i> .																	
spec. indet., Billings.	LLS.													*			Bay of Chaleurs (N. shore).
" Salter.															*		Dépôt Point.
Zaphrentis , <i>Rafinesque and Clifford</i> , 1820.																	
<i>elliptica</i> , Hayden?										*							
<i>excentrica</i> , Meek.	LLS.									*							Old Baldy (Virginia City).
<i>multilamella</i> , "	UCM.					*											
<i>ovibos</i> , Salter.															*		Albertland. Dépôt Pt. [coln Vall.
<i>Stansburyi</i> , Hall.	UL.			*		*			*								"Divide" between Ross Fork and Lin-

PROVINCE ANNULOSA. CLASS ECHINODERMATA.

Archæocidaris , <i>M'Coy</i> , 1844.																	
<i>aculeata</i> , Shum.	.....				*												Fort Belknap.
<i>gracilis</i> , Newberry.	.....						*										In the Great Canon.
<i>longispina</i>, "	.....				*		*										" "
<i>ornata</i>, "	.....				*		*										Great Canon.
<i>triserrata</i> , Meek.	UCM.				*		*										Confluence of Grand and Green rivs.
spec. indet., Meek & Hayd.	.....				*		*										
" Newberry.	.....				*		*										Cascade (river Canon).
" Shum.	.....				*		*										
Dichocrinus , <i>Münster</i> , 1839.																	
<i>cornigerus</i> , B. F. Shum.	.....							*									Buzzard's Roost.
Erisocrinus , <i>Meek and Worthen</i> , 1865.																	
spec. indet., Stevenson.	UCM.									*							Decker's Creek.
Melocrinus , <i>Goldfuss</i> , 1826.																	
<i>Pratteni</i> , M'Chesn.	L''								*								
Melonites? , <i>Lamarek</i> , 1822.																	
spec. indet., Owen & Norw.	LLS.							*									Ross and Lincoln Divide.
Palæechinus , <i>Scouler</i> , 1840.																	
<i>elegans</i> , M'Coy.	.....			*													
Pentremites , <i>Say</i> , 1820. Blastoidea .																	
<i>Bradleyi</i> , Meek.	L'', L'''							*									Ross and Lincoln Divide.
<i>cervinus</i> , Hall.	L'''							*									Huntsville.
<i>conoideus</i> , "	L''							*									Ross and Lincoln Divide.
<i>florialis</i> , Say.	L'', L'''							*									Mount Sano.
<i>Godoni</i> , DeFrance.	L'', L'''							*		*							Huntsville. Mount Sano.
<i>granulatus</i> , F. Rom.	.....							*		*							Fuscumbia.

SUPPLEMENTARY TABLE.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	SYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPITZBERGEN.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
Michelinia , <i>De Koninck</i> , 1842.																	
favosa, Goldf.	CL.												*				Punjaub Salt Range.
Monticulipora , <i>D'Orbigny</i> , 1826																	Cyathopora , <i>D. D. Owen</i> , 1844.
tumida, Phill.	UCM.										*		*		*		Robertthal.
Stenopora , <i>Lonsdale</i> , 1845.																	
crinita, Lonsd.															*		Blackh'd. Illawarra (N.S.W.). Wollongong. Harper's Hill (N.S.W.).
<i>Chaetetes</i> .																	
gracilis, Dana.															*		Wollongong. Blackhead (N.S.W.).
<i>Chaetetes</i> .																	
informis, Lonsd.											*				*	*	Springhill. Mt. Spiring (west flank).
ovata, "															*	*	Darlington. Harper's Hill (N.S.W.). Mts. Dromedary, Wellington, &c.
scabra, "																	
Tasmaniensis. "	CL. (Spitzb.)										*				*	*	Bell's Sound. Darlington. Harper's Hill (N.S.W.). Mt. Wellington. Norfolk Plains. Break-o'-day Valley.
Zaphrentis , <i>Rafinesque and Clifford</i> , 1820. Canini a.																	
intermedia?, De Kon. l'''						*											Bleiberg.
ovibos, Salter?	CL.										*						An island in Bell Sound.
spec. indet., Beyrich.															*		Timor (north of Australia).

PROVINCE ANNULOSA. CLASS ECHINODERMATA.

Archæocidaris , <i>M^cCoy</i> , 1844		= Cidaris , <i>De Koninck</i> .
<i>clavata</i> ?, Eichw. CL. *		Punjaub Salt Range.
<i>Forbesiana</i> , De Kon. CL. *		" "
? Cidaris , <i>Lamarck</i> , 1816.		
<i>Forbesiana</i> , De Kon. *		Punjaub Salt Range.
Lophocrinus , <i>Von Meyer</i> ?, 1858.		
<i>speciosus</i> , H. von Meyer. Culm *		Herborn.
Pentremites , <i>Say</i> , 1820.		
<i>Schultzi</i> , De Prado? L' ? *		Oviedo.

SUPPLEMENTARY TABLE.

		AMERICA.										Locality.
Genus, Species, and Author.	Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	
											MARYLAND.	
											RHODE ISLAND.	
											GASPÉ. B. CHAL.	
											PR. EDWARD ISL.	
											ARCTIC SEAS.	
ovalis, D. D. Owen.	L'''								*			
pyriformis, Say.	L'''								*			
subconoideus, Meek.	L''								*			Lincoln Valley.
sulcatus, Shum.	L'''								*			Huntsville.
symmetricus, Hall.	L'', L'''								*			Old Baldy (Virginia City).
Troostii, Shum.									*			
Platycrinus , Miller, 1821.	Platycrinites.											
Halli, Shum.	LLS.								*			Old Baldy (Virginia City).
Haydeni, Meek.	L''								*			" "
Huntsvillæ, Troost.	L'''								*			Huntsville.
Saffordii, Hall.	L''								*			Bienn River (Prof. Tuomey).
Pterotocrinus , Lyon and Cassida	y											Subgenus of Dichocrinus .
cornigerus, Shum.	L'''								*			Franklin Co.
Scaphiocrinus , Hall, 1858 (subgenus).												
Huntsvillæ, Worthen, MSS.									*			Huntsville.
Stylastræa , Lonsdale, 1845.												
inconferta, Lonsd.	LLS.									*		Bay of Chaleurs.
Zeacrinus , Troost, 1850.												
arboreus, Worth.	L'								*			Huntsville.
cariniferus, "	L'								*			"
magnoliaformis, Owen & Norw.	L'''								*			"
mucrospinus, McChesn.	LCM.								*			Decker's Creek (Morgan Town).

SUBKINGDOM ANNULOSA. PROVINCE ANNULATA. CLASS ANNELIDA.

Spirorbis , Lamarck, 1818.												
annulata, Hall.	LLS.								*			Lincoln Valley.

SUBKINGDOM ANNULOSA. DIVISION ARTHROPODA OR ARTICULATA. CLASS CRUSTACEA.

(No species from the above countries yet described.)

SUPPLEMENTARY TABLE.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	STYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPITZBERGEN.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
Philocrinus , <i>De Koninck</i> , 1862. cometa, De Kon.													*				Punjaub Salt Range.
Tribrachyacrinus , <i>De Koninck</i> ? Clarkei, De Kon.															*		South Gold-fields.

SUBKINGDOM ANNULOSA. PROVINCE ANNULATA. CLASS ANNELIDA.

(No species from the above countries yet described.)

SUBKINGDOM ANNULOSA. DIVISION ARTHROPODA OR ARTICULATA. CLASS CRUSTACEA.

[illegible]

SUPPLEMENTARY TABLE.

CLASS CRUSTACEA. ORDER TRILOBITA.

Genus, Species, and Author.		Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	MARYLAND.	RHODE ISLAND.	GASPÉ. B. CHAL.	PR. EDWARD ISL.	ARCTIC SEAS.	Locality.
Phillipsia , <i>Portlock</i> , 1843.																		
Sangamonensis,	M. & W. LLS.	.....										*						Decker's Creek.
Stevensonii,	Meek. L'''	.....										*						Cheat River. Tucker Co. Monongahela Co.

SUBKINGDOM ANNULOSA. CLASS INSECTA.

(No species from the above countries yet described.)

CLASS MYRIAPODA.

(No species from the above countries yet described.)

SUPPLEMENTARY TABLE.

DIVISION MOLLUSCOIDA. CLASS POLYZOA.

[illegible]

DIVISION MOLLUSCOIDA. CLASS BRACHIOPODA (PALLIOBRANCHIATA).

[illegible]

SUPPLEMENTARY TABLE.

DIVISION MOLLUSCOIDA. CLASS POLYZOA.

EUROPE, &c.											
Genus, Species, and Author.	Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	STYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	LOCALITY.
Archæopora , <i>De Koninck</i> , 1873.											
nexilis, De Kon. L'''						*					Bleiberg.
Diphtheropora , <i>L. de Koninck</i> , 1873.											
regularis, L. de Kon. L'''						*					Bleiberg (very rare).
Fenestella , <i>Lonsdale</i> , 1839, = Retepora .											
ampla, Lonsd. LCM.											* * Spring Hill. Mt. Wellington. Glendon. Hunter Valley. N.S. Wales.
antiqua, Goldf. LLS, UCM.											* ... Korinda. Riv. Don. N.S. Wales.
fossula, Lonsd. LCM.											* * Glendon. Hunter Valley. New South Wales. Mount Wellington, &c.
gracilis, Dana. LCM.											* * Glendon, &c. Mt. Wellington, &c.
internata, Lonsd.											* ... " Eagle Hawk Neck. Mt. W' ton, &c.
media, Dana.											* ... " Mount Wellington, &c.
megastoma, De Kon.											Punjaub.
plebeia, " L'''						*					Bleiberg.
Sykesii ?, " "											Punjaub.
undulata, Phill.											Dunvegan. New South Wales.
spec. indef., De Kon. L'''						*					Bleiberg.
Glaucanome , <i>Lonsdale</i> , 1839 ...											Vincularia , <i>De France</i> , 1829.
pluma, Phill.											Dunvegan. New South Wales.
Hemitrypa , <i>Phillips</i> , 1841.											
sexangula, Morris.											* Mount Wellington.
Phyllopora ?, <i>King</i> , 1849.											
cribellum, De Kon.											Punjaub Salt Range.
Haimeana, "											" "
Retepora ?, <i>Lamarck</i> , 1846.											
lepida, De Kon.											Punjaub Salt Range.

DIVISION MOLLUSCOIDA. CLASS BRACHIOPODA (PALLIOBRANCHIATA).

Athyris , <i>M'Coy</i> , 1844. Fam. SP.	IRIFERIDE.										
ambigua, Sow. L'''						*					Bleiberg.
planosulcata, Phill. L'''						*					"
Puschiana, Vern.											Timan Mountains (east flank).
Royssii, L' Eveillé.											Timor, Cashmir, Moosakhail, Punjaub, &c.
subtilita, var. grandis,											Cashmir. Moosakhail. Punjaub.
Atrypa , <i>Dalman</i> , 1847 ?, 1828.											
Jukesii, M'Coy.											* ... Dunvegan. New South Wales.
Aulosteges , <i>Helmersen</i> , 1847. Subgen. of Leptæna .											
Dalhousii, De Kon.											Moosakhail (carbonif. ?).
Camerophoria , <i>King</i> , 1844.											
crumena, CL.											Horn Sound.
Purdoni, Dav. CL.											Moosakhail. Vurcha (Punjaub).
spec. indef., CL.											Bell Sound.
Chonetes , <i>Fischer de Waldheim</i> , 1837											Cannot claim generic value. — Davidson, Monogr. part v. 275.
Austeniana, Dav.											Cashmir.
Buchiana, De Kon. L'''						*					Bleiberg. Leitha Range.
conoides, Sow.											* Carro Creek.
Cracowensis, Ether.											* Cracow Creek. Queensland.
Hardensis, var. Tibetensis,											Tibet.
granulifera, Sow. CL.											Horn Sound.
Koninckiana ?, Von Semenow. L'''						*					Bleiberg.

SUPPLEMENTARY TABLE.

AMERICA.																	
Genus, Species, and Author.	Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	MARYLAND.	RHODE ISLAND.	GASPÉ. B. CHAL.	PR. EDWARD ISL.	ARCTIC SEAS.	Locality.
Crania , <i>Retzius</i> , 1781. spec. indet.,										*							Tuscumbia.
Discina , <i>Lamarck</i> , 1817. Orbicula , &c. spec. indet., <i>Bruguière</i> , 1789.						*											Beehive Point.
Martinia , <i>M'Coy</i> , 1844. Subgen. of Spirifera . lineata, C. A. White. MCM.							*										
Orthis , <i>Dalman</i> , 1827. Andei, D'Orb. arachnoidea, Phill. carbonaria, Swall. LCM. Morgiana, Derby. Penniana, " resupinata, Cox. Kinderh. spec. indet., Meek.			* *														

† 'Last of the Arctic Voyages,' Belcher, ii. p. 389. Dépôt Point (white and reddish Limestone).

SUPPLEMENTARY TABLE.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	STYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPITZBERGEN.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
<i>lævis</i> ,	Dav.													*				Cashmir.
<i>Laguessiana</i> ,	De Kon.	L'''				*												Bleiberg.
<i>perforata</i> ,		CL.										*						
<i>scutulum</i> ,		CL.										*						
<i>variolata</i> ,	D'Orb.											*				*		Cracow Creek. Queensland.
<i>Verneuiliana</i> ,	N. & Pratt.	CL.										*						Horn Sound.
Discina , Lamarck, 1807.	Orbicula , &c.																	
<i>affinis</i> ,																*		New South Wales.
<i>Cashmiriana</i> ,														*				Cashmir.
Lingula , Bruguière, 1789.	LINGULIDÆ.															*		
<i>ovata</i> ?,	M'Coy.															*		Illawarra. Blackhead. New South
Meekella , White and St. John, 1867-69																		ORTHIDÆ. [Wales.
<i>Garnieri</i> ,														*				Yangtze-Kiang Valley.
Orthis , Dalman, 1827.																		
<i>Australis</i> ,																*		
<i>Keyserlingiana</i> ,	Dè Kon.														*			
<i>Michelini</i> ,			*															
<i>resupinata</i> ,	Martin.	L'''				*						*		*	*	*		Bleiberg. Punjaub. Murrumbidgee.
<i>spinigera</i> ,												*		*	*	*		[New South Wales.
<i>striatula</i> ,	D'Orb.													*	*	*		
Productus , Sowerby, 1814.																		
<i>aculeatus</i> ,	Martin.	L'''				*												Bleiberg.
<i>Bachianus</i> ,	De Kon.	L'''				*												" (Lietha Range).
<i>brachythærus</i> ,	Sow.													*	*	*		Queensland, N.S. Wales. Tolosa. Hobart Town. Illawarra. Wollongong Point. Mount Wellington.
<i>canerini</i> ,		CL.									*							
<i>Clarkei</i> ,	Etheridge.	LCM.			*	?									*			Queensl. Bowen's Riv. Roper Creek Head.
<i>Cora</i> ,	D'Orb.		*			*					*	*	*	*	*	*		Sierra Morena. Bleiberg. Moosakh., &c.
<i>costatus</i> ,	Sow.	CL.									*	*	*	*	*	*		Punjaub Salt Range. Bell Sound Isl.
<i>var. cœlestis</i> ,														*	*	*		Leen Chan.
<i>Davidi</i> ,														*	*	*		
<i>fimbriatus</i> ,	Sow.	L'''				*												Bleiberg.
<i>Flemingii</i> ,	"	L'''				*												[Point.
<i>fragilis</i> ,	Dana.													*	*	*		N.S. Wales. Illawarra. Wollongong
<i>giganteus</i> ,		L.L.S., L''' &c.				*					*			*	*	*		Bell Sound, &c. New South Wales.
<i>hemisphærica</i> , var. minor,	Sow.										*			*	*	*		?
<i>horridus</i> ,														*	*	*		?
<i>Humboldtii</i> ,	D'Orb.	CL.									*	*	*	*	*	*		Isl. in Bell Sound†. Punjaub Salt R.
<i>latissimus</i> ,	Sow.	L'''				*												Bleiberg.
<i>Le Playii</i> ,	De Vern.										*							Bell Sound.
<i>longispinus</i> ,	Sow.										*	*	*	*	*	*		Moosakhail. Punjaub. Srinuggur (Cashmir). Riv. Don. Queensland.
<i>mammatus</i> ,	Keyserl.										*							Horn Sound. Island in Bell Sound.
<i>Medusa</i> ,	De Kon.	L'''				*												Bleiberg.
<i>Payeri</i> ,	Franz Toul.										*							South Point.
<i>plicatilis</i> ,	Sow.					*	?				*							?
<i>punctatus</i> ,	Martin.	L'''	*			*												Asia Minor. Bleiberg.
<i>Purdoni</i> ,	Dav.													*	*	*		Punjaub. Chederoo. Moosakhail.
<i>pustulosus</i> ,	Phill.	L'''				*								*	*	*		Bleiberg. South Tasmania.
<i>var. rugatus</i> ,	"																	Tolosa (Hobart Town). Wollongong.
<i>scabriculus</i> ,	Martin.	L'''				*								*	*	*		Bleiberg. Hobart Town.
<i>semireticulatus</i> ,	"		*			*	*				*	*	*	*	*	*		Tibet. Asia Minor. Timor. Punjaub.
																		Bleiberg. N.S. Wales. Lewin's Brook.
<i>setigerus</i> ,	Hall.													*	*	*		Sydney (N. S. Wales).
<i>Spitzbergensis</i> ,	Heer?										*							
<i>striatus</i> ,	Fischer.	CL.										*						Khond (Punjaub).
<i>subquadratus</i> ,	Morris.	LCM.												*	*	*		Mount Dromedary. Glendon on River Hunter. New South Wales.
<i>undatus</i> ,	De France.													*	*	*		Allan River.
<i>Weyprechti</i> ,	Franz Toul.	Passage-bed									*			*	*	*		South Point. Horn Sound†.
<i>Wilczeki</i> , spec. nov.,	"										*			*	*	*		" "

† Bell Sound is considered Permian (Bull. Acad. Roy. Belg. xvi. p. 632, 1850).

† Geol. Mag. dec. 2, vol. ii. p. 272.

SUPPLEMENTARY TABLE.

AMERICA.

[illegible]

SUPPLEMENTARY TABLE.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	STYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPITZBERGEN.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
Retzia , <i>King</i> , 1849.																		
radialis, var. grandicosta,	Dav.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	Moosakhail. Punjab.
Rhynchonella , <i>Fischer</i> , 1809.																		
acuminata,	Martin.	L'''	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bleiberg.
var. platyloba,	Sow.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Barumensis,	De Kon.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	Punjaub.
Kasmerensis,		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	Cashmir.
papyracea,	Ad. Röm.	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Herborn.
pleurodon,	Phill.	.....	.....	.....	.....	.....	*	.....	.....	.....	*	.....	*	.....	.....	.....	.....	Bell Sound. Moosakhail. Punjab.
Timorensis,	Beyrich.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	Timor. Eastern Seas of Australia.
Yarradongii,		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	New South Wales. Yarradong.
Siphonotreta , <i>De Verneuil</i> , 1845.																		
curta,	Dana.	LCM.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	N. South Wales. Glendon. R. Hunter.
Spirifera , <i>Sowerby</i> , 1815.																		
avicula,	G. Sow.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Illawarra. New South Wales.
bisulcata,	Sow.	L'''	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bleiberg. Leitha Range.
var. Sarana,	De Kon.	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	
Cabedanus,	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Yass Plains. N. S. Wales (Murray Co.).
Cashmiriana,	Dav.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	Cashmir.
calcarata,	M'Coy.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Dunvegan. New South Wales.
convoluta,	Phill.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Courtclough. Bowen's and Don Rivers. Queensland.
crassicostata,	Jukes, MSS.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Point Puer. Spring Vale.
crebristria,	Morris.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Dunvegan. Booral. N. S. Wales.
crispa ?, (<i>octoplicata</i>).	Beyr.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Timor Island.
cristata,	Schloth.	CL.	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	Bell Sound Island.
cuspidata,	Martin.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Timor Island.
Darwini,	Morris.	LCM.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Glendon. R. Hunter. N. S. Wales. Harper's Hill. Barraboo. Tolosa.
duodecimcostata,	M'Coy.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Illawarra. Camden Co.
glaber,	Sow. & Morris.	LCM.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Harper's Hill. Illawarra. Glendon. Mount Wellington.
Goldfussiana,	De Kon.	L'''	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bleiberg.
Haueriana,	"	L'''	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	"
Keilhaven,	Von Buch.	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	Bell Sound.
Kupangensis,	Beyr.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Timor Island.
lata,	M'Coy.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Lewin's Brook. New South Wales.
lineata,	Martin.	L''' (Devon.)	.....	.....	.....	.....	*	.....	.....	.....	*	*	*	*	.....	.....	.....	South Point. Chederoo. Moosakhail. Punjab Salt Range. Lean-Chan. Chederoo. Moosakhail. Kafir Kote (River Indus).
Moosakhailensis,	Dav.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	Yass Plains. New South Wales.
multiplicata,	De Kon.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Yass Plains. Cook Co.
nuda,	Sow.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Asia Minor. Bleiberg.
ovalis,	Phill.	L'''	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	New South Wales. Barraboo.
oviformis,	M'Coy.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Bleiberg.
pectenoides,	De Kon.	L'''	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	N. S. Wales. Illawarra. Blackhead.
phalena,	Dana.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Cashmir.
Rajah,	Davids.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	Ural, &c.
Saranæ,	De Vern.	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	N. S. Wales. Wollongong. Mount Dromedary (Maneroo district).
Stokesii,	König.	CL.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	*	*	
striata,	Martin.	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	*	*	*	*	*	South Point. Nulle. Chederoo. Queensland. Roper Creek. Bowen River. Peak Downs.
striato-paradoxa,	Franz Toul.	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	South Point.
subradiata,	G. Sow.	LCM.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	*	*	Harper's Hill. Glendon. Murree, &c. N. S. Wales. Mount Wellington. Timor.
Tasmaniensis,	Morris.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....	.....	Lewin's Brook. N. S. Wales. East Marshes. Mount Wellington, &c.
rotundata,		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
trapezoidalis,	G. Sow.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	*	*	

SUPPLEMENTARY TABLE.

[illegible]

SUPPLEMENTARY TABLE.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	STYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPITZBERGEN.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
Vespertilio,	G. Sow.	.....													*	*		N.S.W. Illawarra. Blackhead. Eagle Hawk Neck
Vihiana,	Davids.	.....												*				Cashmir.
Wilczeki,	Franz Toul.	.....										*						South Point. Horn Sound.
Yassensis,	Davids.	.....													*			N.S.W. Yass. Duntroon.
spec. indet.,	Dana.	LCM.	.....												*			Glendon. River Hunter.
"														*				Tibet.
Spiriferina , <i>D'Orbigny</i> , 1847; <i>Davidson</i> , 1847.																		
Hæferiana, sp. n.,		.....										*						Horn Sound.
octoplicata,	Sow.	.....												*				Moosakhail. Punjaub Salt Range.
Spirigera , <i>D'Orbigny</i> , 1848.																		
planosulcata,	Phill.	Culm?	.....															Thuringia.
Streptorhynchus , <i>King</i> , 1844?																		Orthotetes , <i>Fischer de Waldheim</i> .
crenistria,	Phill.	CL.	.....									*	*					Moosakhail, Vurcha, &c. Bell-Sound Isle.
var. robustus,	Hall.	CL.	.....											*				Vurcha limestone (Punjaub).
Davidsoni,	Ether.	LCM.	.....												*			Queensland, Bowen River, Peak Downs, &c.
pectiniformis,	Davids.	CL.	.....											*				Moosakhail, Chederoo, Nulle, &c.
Strophalosia , <i>King</i> , 1844. Fam.		PRODUCTIDE	.....															Subgenus of Leptaena .
Lepayi,		Passage-bed	.....									*						Horn Sound.
Morrisiana, var.,	King.	.....												*				Punjaub.
productoides,	Murch.	.....													*			Queensland. Kempsey.
Strophomena .																		
rhomboidalis, var. analoga,	Phill.	.....													*			Queensland. Head of River Don.
† Terebratula , <i>Lhwyd</i> , 1699. Epithyris , <i>Phill</i> .																*		Waldheimia . Seminula , <i>M.C.</i>
amygdala,	Dana.	.....													*			Blackhead. Illawarra.
Austeniana,	Davids.	.....												*				Tibet.
biplicata, var. problematica,	Dav.	CL.	.....											*				Moosakhail.
biundata,	M'Coy.	.....												*				Korinda. Lewing's Brook. N.S.W.
coucentrica,		.....													*			
cymbæformis,	Morris.	.....													*			Illawarra. Raymond Terr. Murree. N.S.W.
elongata,	Schloth.	.....													*			Illawarra. [vine.
Flemingii,	Davids.	LLS.	.....											*				Punjaub Salt Range. Nilawan Ra-
fusiformis,	De Vern.	CL.	.....									*						Also in Missouri, U.S.A.
hastata,	Sow.	.....													*			Illawarra. Raymond's Terrace.
Himalayensis,	Davids.	CL.	.....											*				Moosakhail (silicified).
plano-sulcata,	De Kon.	.....												*				Timan Range East.
sacculus,	"	L', L'''	.....				*							*				Bleiberg.
subvesicularis,	Davids.	.....												*				Moosakhail.
spec. indet.,	Dana.	LCM.	.....												*			Glendon. Illawarra.

† Leopold Von Buch, M. de Koninck (1843), De Verneuil (1845), and Thomas Davidson are disposed to consider the fourteen forms here enumerated varieties only of one type.—Davidson, *Monogr.* ii. p. 123; De Koninck, *Fossils of Carinthia*, p. 66.

SUPPLEMENTARY TABLE.

DIVISION MOLLUSCA. CLASS LAMELLIBRANCHIATA (ASIPHONIDA). ORDER MONOMYARIA.

[illegible]

SUPPLEMENTARY TABLE.

DIVISION MOLLUSCA. CLASS LAMELLIBRANCHIATA (ASIPHONIDA). ORDER MONOMYARIA.

EUROPE, &c.																		
Genus, Species, and Author.		Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	STYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPITZBERGEN.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
Anomia , <i>Linnæus</i> , 1758.																		
Laurenciana,	De Kon.	.....												*				Punjaub.
lepida,	"	LLS.							*									Herborn.
Avicula , <i>Klein</i> , 1753. Monotis , <i>Bruguière</i> , 1791.																		
carinata,	D'Orb.	LLS.							*									Kemmenau.
lepida,	De Kon.	LLS.	*						*									Herborn. Sierra Morena (Röm.).
tessellata,		.....														*		Dunvegan (N.S.W.).
Volgensis,	De Vern.	.....														*		Wollongong (N.S.W.).
Aviculopecten , <i>M'Coy</i> , 1853. Pecten .																		
antilineatum,	De Kon.	L''					*											Bleiberg. Leithea Range.
arenosum,	Phill.	L''					*											"
Asiaticum,	De Kon.	L''					*							*				Cashmir.
Barrandianum,	"	L''					*											Bleiberg.
comptum, Dana (not De Kon.).		.....													*			Harper's Hill.
concentrico-striatus,	De Kon.	L''					*								*			Bleiberg.
crebristria,	"	.....											*					Cashmir.
densistria,	Sndbrgr.	LLS.						*										Herborn.
deornatum,	Phill.	L''					*											Bleiberg.
Fitzingeranum,	De Kon.	L''					*											"
Flemingianum,	"	.....											*					Punjaub.
grandævum,	Goldf.	LLS.						*										Herborn.
Haidingeri,	De Kon.	L''					*											Bleiberg.
Hornesianum,	"	L''					*											"
intortum,	"	L''					*											"
læviusculum,	Dana. (<i>Pecten</i>)	.....													*			Harper's Hill.
luteatum,	Goldf.	LLS.						*										Herborn.
mitis,	Dana.	LCM.													*			Glendon, on Hunter Riv. (N.S.W.).
Münsteri,	"	.....																?
Partschianum,	De Kon.	L''					*											Bleiberg.
primigenium,	Brown.	LLS.						*										Herborn.
subfimbriatum,	De Vern.	L''					*											Bleiberg.
subspinulosum,	Sndbrgr.	LLS.						*										Herborn.
tenuicollis,	Dana.	.....														*		Harper's Hill (N.S.W.).
Inoceramus , <i>Sowerby</i> , 1814 .....		.....																No true <i>Inoceramus</i> in Carboniferous strata.— <i>F. Röm.</i>
Mitchelli,	M'Coy.	LCM.														*		Glendon. Wollongong (N.S.W.).
Lima , <i>Bruguière</i> , 1797.																		
Haueriana,	De Kon.	L''					*											Bleiberg.
intersecta,	"	L''					*											"
Pecten , <i>Linnæus</i> , 1758.																		
densistria,	Sndbrgr.	LLS.						*										Herborn.
Fittoni,	Morris.	.....													*			Mt. Wellington.
Illawarrensis,	"	.....													*			Illawarra.
limæformis,	"	.....					*											Tolosa. Hull's Quarries.
Münsteri,	F. Röm.	Culm.	*															Sierra Morena.
squamulifera,	Morris.	.....														*	*	Mt. Wellington. Pt. Puer.
Wilereki, sp. n.,		.....																
Posidonomya , <i>Bronn</i> , 1837																		Chief shell in <i>Posidonia</i> schist.
acuticostata,	Sndbrgr.	LLS.						*										Herborn, Schonbach, &c.
Becheri,	Goldf.	Culm.	*					*										Sierra Morena (F. Röm.). Herborn.
longitudinalis,	Bronn.	"						*										Herborn.
speciosa,	Von Meyer.	"						*										"
Pterinæa , <i>Goldfuss</i> , 1840.																		
macroptera,	Morris.	.....													*	*		Illawarra (N.S.W.). Pt. Puer. Port Arthur.

SUPPLEMENTARY TABLE.

DIVISION MOLLUSCA. CLASS LAMELLIBRANCHIATA (SIPHONIDA). ORDER DIMYARIA.

AMERICA.													
Genus, Species, and Author.	Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	MARYLAND.	LOCALITY.
Allorisma , <i>King</i> , 1844.													
capax, Newberry.	UL.			*									Agua Azul (Mt. Taylor).
regularis, De Vern.	.....			*									Sierra Alta.
Astartella , <i>McChesney</i> , 1860. A. starte.													
concentrica, McChesn.	LCM.								*		*		Old Baldy. Marion and Monongahela Cos. Decker's Creek.
Conocardium , <i>Bronn</i> , 1836.													
Meekianum, Hall.	L"								*				Lincoln Divide.
Ctenodonta , <i>Salter</i> , 1851. Nucula , &c.													
anadontoides, Stevenson.	CM. below Millstone Grit.									*			Marion and Monongahela Cos.
parva, McChesn.	Barrens, LCM.									*			"
Shumardi, Hall.	L"								*				Ross and Lincoln Divide.
ventricosa, Stevenson.	LCM. (below).									*			Decker's Creek. Morgan Town.
Cypricardella , <i>Hall</i> , 1856.													
plicata, Hall?	L"								*				Lincoln-Valley Divide.
subelliptica, Winchell.	L"								*				" "
Cypricardina , <i>Hall</i> ; <i>Meek</i> , 1871.													
Indianensis, Meek.	L"								*				Lincoln-Valley Divide.

SUPPLEMENTARY TABLE.

DIVISION MOLLUSCA. CLASS LAMELLIBRANCHIATA (SIPHONIDA). ORDER DIMYARIA.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	STYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPITZBERGEN.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
Allorisma , <i>King</i> , 1844.																	
<i>audax</i> , Dana.	.....														*		Illawarra.
<i>curvatum</i> , Morris.	LCM.														*		Darlington. Glendon. Wollongong (N.S.W.).
Anodonta , <i>Cuvier</i> , 1798.																	Thuringia.
<i>carbonaria</i> ?, De Kon.	.....																Byssio-Arca.
Arca , <i>Linnaeus</i> , 1758.	Fam. ARCID.E.																Bleiberg. Leitha Range.
<i>antirugata</i> , De Kon.	L''					*											" "
<i>plicata</i> , "	L'''					*											" "
Astarte , <i>Sowerby</i> , 1817.	Fam. CYPRIDID.E.																
<i>gemma</i> , Dana.	.....														*		Wollongong Point (N.S.W.).
Astartella , <i>McChesney</i> , 1860.																	
<i>Reussiana</i> , De Kon.	L''					*											Bleiberg. Leitha Range.
Astartilla , <i>Dana</i> , 1847.																	
<i>corpulenta</i> , Dana.	.....														*		Illawarra District.
<i>cyclas</i>, "	.....														*		" "
<i>cyprina</i>, "	.....														*		" "
<i>cytherea</i>, "	.....														*		" "
<i>intrepida</i>, "	.....														*		" "
<i>polita</i>, "	.....														*		Blackhead.
<i>transversa</i> , "	LCM.														*		Illawarra (N.S.W.).
Cardinia , <i>Agass.</i> , 1838.	Brackish or fresh water...																Anthracosia , <i>Unio</i> , &c.
<i>compressa</i> , Morris.	.....														*		New South Wales.
<i>costata</i> , Dana.	.....														*		Illawarra. Wollongong.
<i>cuneata</i>, "	.....														*		Wollongong Point.
<i>exilis</i> , M'Coy.	.....														*		Illawarra. Wollongong.
<i>parallela</i> , Dana.	.....														*		Illawarra. Wollongong Point.
Cardiomorpha , <i>De Koninck</i> , 1847.																	
<i>concentrica</i> , De Kon.	L''?					*											Bleiberg.
<i>Egertoni</i> , M'Coy.	L''					*											"
<i>subregularis</i> , De Kon.	L'''					*											"
<i>tenera</i> , "	L'''					*											"
Cardium , <i>Linnaeus</i> , 1758.																	
<i>australe</i> , Dana.	LCM.														*		Glendon, on Hunter Riv. (N.S.W.).
<i>ferox</i>, "	.....														*		Wollongong Point (N.S.W.).
Cleobis , <i>Dana</i> , 1848	.....																Subg. of Pleurohynchus , <i>Phill.</i>
Conocardium , <i>Bronn</i> , 1835.																	
<i>Sowerbyi</i> , De Kon.	.....														*		Yass Plains (Murray Co.).
Ctenodonta , <i>Salter</i> , 1851.	Nucula , <i>Lam.</i> , 1799																Leda (pars).
<i>abrupta</i> , Dana.	.....														*		Wollongong Point.
<i>carinata</i> , M'Coy.	L'''					*											Bleiberg.
<i>Clarkei</i> , De Kon.	.....														*		Yass Plains (Murray Co.).
<i>concinna</i> , Dana.	.....														*		Harper's Hill (N.S.W.).
<i>gibbosa</i> , Flem.	L'''					*											Bleiberg.
<i>Glendonensis</i> , Dana.	LCM.														*		Glendon, on Hunter River.
<i>luciniiformis</i> , Phill.	L''					*											Bleiberg.
<i>Maccoyana</i> , De Kon.	L'''					*											"
<i>rectangularis</i> , M'Coy.	L''					*											"
<i>tenuirata</i> ?, Sndbrgr.	LLS.						*										Erdbach?
Cypricardia , <i>Lamarck</i> , 1817.	Marine.																
<i>acutifrons</i> , Dana.	.....														*		Illawarra.
<i>arcodes</i>, "	.....														*		Harper's Hill.
<i>imbricata</i>, "	.....														*		"
<i>prærupta</i>, "	.....														*		Illawarra.
<i>siliqua</i>, "	.....														*		"
<i>simplex</i>, "	.....														*		"
<i>sinuosa</i>, "	.....														*		Illawarra.
<i>veneris</i> , "	LCM.														*		Glendon, on Hunter River.

SUPPLEMENTARY TABLE.

AMERICA.											
Genus, Species, and Author.	Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	LOCALITY.
Edmondia , <i>De Koninck</i> , 1844.											
Aspenwalli, Meek.	LCM. (Barrens)	.....	.....	.....	.....	.....	.....	.....	.....	*	Marion and Monongahela Cos.
Euomphalus , <i>Sowerby</i> , 1814.											
antiqua, D'Orb.	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	Lake Titicaca.
perversus, "	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	Yarbichambi, north of La Paz.
planorbiformis, "	CM. (sub M.Gt.)	.....	.....	.....	.....	.....	.....	.....	.....	*	Decker's Creek.
rugosus, "	LCM.	.....	.....	.....	.....	.....	.....	.....	.....	*	" "
Spergenensis, var., "	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Organ Mountains?
spec. indet., Shum.	UL.?	.....	*	.....	.....	.....	.....	.....	.....	.....	
Grammysia .											
Canadensis, "	Passage-bed	.....	.....	.....	.....	.....	.....	.....	.....	.....	Gaspé. Bonaventura.
Macrocheilus , <i>Phillips</i> , 1841.											
curvilineus, De Vern.	CM.	.....	.....	.....	.....	.....	.....	.....	.....	*	Marion Co. &c.
primigenius, Conrad.	LCM.	.....	.....	.....	.....	.....	.....	.....	.....	*	Monongahela Co.
ventricosus, Hall.	LCM.	.....	.....	.....	.....	.....	.....	.....	.....	*	
Macrodon , <i>Lycett</i> , 1845.											
obsoletus, Meek.	LCM.	.....	.....	.....	.....	.....	.....	.....	.....	*	Marion and Monongahela Cos.
Megalodon , <i>Sowerby</i> , 1827.											
antiquum?, D'Orb.	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	Yarbichambi.
Myalina , <i>De Koninck</i> , 1844.											
deltoides, Gabb.	LCM.	.....	.....	.....	*	.....	.....	.....	.....	.....	Fort Belknap.
subquadrata, Shum.	UL.?	.....	.....	*	.....	.....	.....	.....	.....	.....	
Nuculana , <i>Link</i> , 1807.											
arata (Leda), M. & W.	LCM.	.....	.....	.....	.....	.....	.....	.....	.....	*	Decker's Creek. Morgan Town.
bistriata, var. attenuata, "	CM.	.....	.....	.....	.....	.....	.....	.....	.....	*	Monongahela Co. &c.
nasuta, Hall?	L"	.....	.....	.....	.....	.....	.....	.....	*	.....	Lincoln-Valley Divide.
Pleurophorus , <i>King</i> , 1844.											
? angulatus, M. & W.	.....	.....	*	.....	.....	.....	.....	.....	.....	.....	And in Wyoming Territory.
spec. indet., "	UL.	.....	*	.....	.....	.....	.....	.....	.....	.....	Fort Filmore.
Polyphemopsis , <i>Portlock</i> , 1843.											
peracutus, "	LCM.	.....	.....	.....	.....	.....	.....	.....	.....	*	Decker's Creek. Morgan Town.

SUPPLEMENTARY TABLE.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	STYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPITZBERGEN.	BEAR ISLAND.	INDIA.	CHINA.	AUSTRALIA.	TASMANIA.	Locality.
Edmondia , <i>De Koninck</i> , 1844.	Marine.																
Glendonensis, Dana.	LCM.														*		Glendon, on Hunter River.
Haidingeri, De Kon.	L'''					*											Bleiberg (Leitha Mounts.).
sulcata, Phill.	L'''					*											"
undata, Dana.															*		Wollongong (N.S.W.).
<i>Pholadomya</i> .																	
Eurydesma , <i>Morris and G. B. Sowerby</i> , 1845.																	
cordata, Morris.															*		Arthur's Hill. Illawarra.
elliptica, Dana.															*		Harper's Hill (N.S.W.).
globosa, M'Coy.															*		" " (sandstone).
sacculus, M'Coy.															*		" " Wollongong.
<i>Pachydomus</i> .																	
Lucinella?																	
elliptica, Phill.															*		Yass, N.S.W. (De Koninck).
Mæonia , <i>Dana</i> , 1847. Notomya , <i>M'Coy</i> .																	
axinia, Dana.															*		Illawarra.
carinata, "															*		"
clavata, M'Coy.															*		Wollongong.
elliptica, Dana.															*		Illawarra. Harper's Hill.
elongata, "															*		" Blackhead.
fragilis, "	LCM.														*		Glendon, on Hunter River.
gigas, "															*		Illawarra.
gracilis, "															*		" Wollongong Point.
grandis, "															*		" "
myaformis, "															*		Wollongong.
recta, "															*		" Point.
valida, "															*		" Blackhead.
Modiola , <i>Lamarck</i> , 1801. Fam. MYTILIDÆ.																	
crassissima, M'Coy†.															*	*	
Modiolopsis , <i>Hall</i> , 1847.																	
acutifrons, Dana.															*		Harper's Hill. Illawarra.
arcodes, "															*		"
prærupta, "															*		Illawarra.
siliqua, "															*		"
simplex, "															*		"
veneris, "	LCM.														*		Glendon, on Hunter River.
Niobe , <i>De Koninck</i> . Axinus , <i>M'Coy</i> .																	Amphidesma , <i>Portlock</i> .
elongata, De Kon.	L'''					*									*		Bleiberg.
luciniformis, "	L'''					*									*		"
nuculoides, "	L'''					*									*		"
Pachydomus , <i>Morris</i> , 1845.																	
antiquatus, Sow.															*		Wollongong. Harper's Hill.
carinatus, Morris.															*	*	" Illawarra. Pt. Arthur.
cuneatus, J. Sow.															*		" " Harper's Hill.
gigas, M'Coy.															*		Illawarra (<i>Mæonia gigas</i>).
globosus, Sow.															*		Harper's Hill (sandst.). Dromedary,
<i>Megadesmus</i> .																	Wellington, and Spiring Mts.
lævis, Sow.															*		Illawarra.
ovalis, M'Coy.															*		Wollongong (N.S.W.).
pusillus, M'Coy.															*		Illawarra (<i>Astartilla cytherea</i>).
sacculus, M'Coy.															*		"
Pholadomya , <i>G. B. Sowerby</i> , 1826.																	
audax, Dana.															*		Wollongong Point.
Glendonensis, "	LCM.														*		Glendon, on Hunter River.
undata, "															*		Wollongong Point.
Pleurophorus , <i>King</i> , 1844.																	
intermedius, De Kon.	L'''					*									*		Bleiberg.
Pullastra , <i>G. B. Sowerby</i> , 1827. Venus , <i>Linn.</i>																	
gregaria, M'Coy.															*		Wollongong.
striato-costulata, "															*		Dunvegan (N.S.W.).
Sanguinolites , <i>M'Coy</i> , 1844. Sanguinolaria .															*		New South Wales.
australis, M'Coy.															*		Bleiberg.
cardiaformis, De Kon.	L'''					*									*		"
parvula, Portl.	L'''					*									*		"
undatus, "						*									*		"
Scaldia .																	
cardiaformis, De Kon.						*									*		Bleiberg.

SUPPLEMENTARY TABLE.

AMERICA.												
Genus, Species, and Author.	Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	LOCALITY.
Solemya , <i>Lamarck</i> , 1817. Solenomya . radiata, M. & W.	LCM.									*		Marion and Monongahela Cos.
Tellinomya , <i>Hall</i> , 1843. protensa, ? G. G. Shum. spec. indet., "	UCM. UCM.			*								Fort Filmore.
Yoldia , <i>Moller</i> , 1842. Leda . <i>P. alæoncilo</i> ? carbonaria, Meek. Shale under Ma- honing Sandst.										*		Monongahela Co. Decker's Creek. Morgan Town.
Stevensoni, " " "										*		Monongahela Co.?

PROVINCE ODONTOPHORA. CLASS PTEROPODA. ORDER NUCLEOBRANCHIATA.

Bellerophon , <i>Montfort</i> , 1808. carbonarium, Meekianum, Shum. Montfortianum, N. & Pr. percarinatum, Conrad. Stevensianum, M ^c Chesn. spec. indet., Newberry.	LCM. LCM. LCM., U. ? LCM. LCM.									*		Decker's Creek. Monongahela Co. " " Morgan Town. Fort Filmore, Decker's Crk., Marion Monongahela. [Co., &c. Decker's Creek. Morgan Town. Agua Azul (Mt. Taylor).
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CLASS PTEROPODA. ORDER HETEROPODA.

(No species from the above countries yet described.)

SUPPLEMENTARY TABLE.

EUROPE, &c.												
Genus, Species, and Author.	Horizon.	SPAIN.	PORTUGAL.	SARDINIA.	STYRIA.	CARINTHIA.	BAVARIA.	NASSAU.	PRINC. REUSS.	PRINC. WALDECK.	SPIITZBERGEN.	BEAR ISLAND.
Solecurtus , <i>De Blainville</i> , 1804.												
(Solen) ellipticus, Dana.	UCM.										*	Illawarra.
(Solen) planulatus, "	"										*	Wollongong.
Solenopsis , <i>M'Coy</i> , 1844.	Solen , <i>Lister</i> .											"
imbricatus, De Kon.	"										*	Punjaub.
Tellinomya , <i>Hall</i> , 1843.												
gibbosa, Flem.	L'''				*							Bleiberg.
Maccoyana, De Kon.	L''?				*							"
rectangularis, M'Coy.	L'''				*							"

PROVINCE ODONTOPOHRA. CLASS PTEROPODA. ORDER NUCLEOBRANCHIATA.

Bellerophon , <i>Montfort</i> , 1808.												
catillus, De Vern.	"	*										
contractus, Sow.	UCM.†										*	Wollongong (Camden Co.).
convolutus, De Kon.	"										*	Yass Plains (N.S.W.). Murray Co.
decipiens, "	"										*	Punjaub.
decussatus, Flem.	L''				*							Bleiberg.
hiuleus, Sow.	"										*	Punjaub Salt Range.
interstitialis?, M'Coy.	"										*	Dunvegan (New South Wales).
Jonesianus, De Kon.	"										*	Punjaub Salt Range.
micromphalus, Morris.	UCM.										*	Illawarra. Wollongong. Murree.
orientalis, De Kon.	"										*	Punjaub Salt Range.
strictus, Dana.	"										*	Illawarra.
tangentiale, Phill.	"										*	and in England, &c.
tenuifasciatum, Sow.	L'''				*							Bleiberg.
undulatum, Dana.	"										*	Harper's Hill (New South Wales).
Urii, Flem.	L''				*							Bleiberg.

CLASS PTEROPODA. ORDER HETEROPODA.

Conularia , <i>Miller</i> , 1818.												
inornata, Dana.	LCM.										*	Glendon, on Hunter River.
laevigata, Morris.	"										*	Illawarra. Harper's Hill, &c.
tenuistriata, M'Coy.	"										*	Murree (New South Wales).
Pugiunculus , <i>Barrande</i> , 1847												Theca. Hyolites.
lanceolatus, Morris.	UCM.										*	Blackhead (New South Wales).

† 'New South Wales Upper Coal-measures,' by John Mackenzie, Examiner of Coal-Fields (Sydney?, 1875).

SUPPLEMENTARY TABLE.

MOLLUSCA. PROVINCE ODONTOPHORA. CLASS GASTEROPODA.

AMERICA.													
Genus, Species, and Author.	Horizon.	BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	VIRGINIA, E. & W.	MARYLAND.	LOCALITY.
Euomphalus , <i>Sowerby</i> , 1814.													
antiquus, D'Orb.	CM.	*											Lake Titicaca.
rugosus, Hall. Subcongl.	CM.			*						*			Decker's Creek. Morgan Town.
Spergensis, " ?	CM.									*			" " "
var. planorbiformis, "	CM.									*			" " "
Macrocheilus , <i>Phillips</i> , 1841.													
primigenius, Conrad. Subcongl.	CM.									*			Decker's Creek. Morgan Town.
Texanus, Shum. UCM.	UCM.			*									El Paso County.
ventricosus, Hall.	UCM.									*			Decker's Creek. Morgan Town.
Murchisonia , <i>D'Archiac and De Vern</i> , 1841.													
spec. indet., Shum. UCM.	UCM.			*									Sierra Alta.
Natica , <i>Adanson</i> , 1857. Naticopsis , <i>M'Coy</i> .													
remex, J. W. Powell. MCM.	MCM.				*								Confluence of Grand and Green Rivers.
Pleurotomaria , <i>De France</i> , 1825.													
carbonaria, N. & Pr. CM. (below M.	CM. (below M.									*			Decker's Creek. Morgan Town.
Grayvillensis, " LCM.	LCM.									*			Marion Co. Decker's Creek.
speciosa, M. & W. Under Mahoning	Under Mahoning									*			Decker's Creek (in iron-ore).
sphaerulata, Swallow, Conrad. LCM. ?	LCM. ?								*				Old Baldy. Virginia City.
Straparollus , <i>Montfort</i> , 1810 ...													Euomphalus , &c.
catilloides, De Kon. UCM.	UCM.			*									Organ Mountains (<i>Glasgow. Visé</i>).
planidorsatus, M. & W. LCM.	LCM.									*			River Cheat. Tucker Co.

SUPPLEMENTARY TABLE.

PISCES.

AMERICA.											
Genus, Species, and Author.	Horizon.										
		BRAZIL.	BOLIVIA.	NEW MEXICO.	TEXAS.	UTAH.	CALIFORNIA.	COLORADO.	MONTANA.	ALABAMA.	LOCALITY.
Agassizodus , <i>St. John and Worthen</i> , 1875.											
<i>Virginianus</i> , St. J. & W. UCM. (lower pt.)										*	Morgan Town. West Virginia.
Carcharopsis , <i>Agassiz</i> , 1843.											
<i>Wortheni</i> , Newb. L'''										*	Huntsville.
Ctenoptychius , <i>St. John and Worthen</i> , 1875.											
<i>Stevensoni</i> , St. J. & W. CM. 100 ft. above Mahoning St.										*	Morgan Town. West Virginia.
Eurynotus , <i>Agassiz</i> , 1835.											
<i>tenuiceps</i> , Hitchcock.											Report on Massachusetts, t. 14. f. 48.
Palæoniscus , <i>Agassiz</i> , 1833.											
<i>fultus</i> , Agass. CM.											Massachusetts (Giebel, Pisces, 2nd vol. Fauna, p. 243).
Petalodus , <i>Owen</i> , 1840.											
<i>Alleghaniensis</i> , Leidy. LCM. ?										*	Decker's Creek. Morgan Town.

THE LOCAL HORIZONS (CARBONIFEROUS) QUOTED.

ILLINOIS.

Taken chiefly from Professor Worthen's Reports (in Six Volumes).

Adams Co., CL, LCM.	Exeter Mine ?, LCM.	Lasalle, UCM.	Pike Co., CL.
Alton (Madison Co.), L", L'", LCM., M.	Falling Spring ?, L"	" Co., L", LCM., M., U.	Pinckneyville (Perry Co.), LCM.
Appanoose (Haucock Co.), L', Keokuk.	Farmington (Cole Co.), UCM.	Liberty (Randolph Co.), L"	Pope Co., L'", Millst. Grit.
Bald Bluff (Henderson Co.), L'.	" (Peoria Co.), LCM.	Long Prairie Creek (Monroe Co.), L"	" Creek (Knox Co.).
Barry (Pike Co.), CL.	Fountain Bluff (Jackson Co.), L"	Makanda (Union Co.), CL.	Prairie du Rocher (Posey Co.), L"
Bay City (Massie Co.), L"	Fulton Co., LCM., UCM.	McLeansboro' (Hamilton Co.), UCM.	Quincy (Adams Co.), L, L'.
Belleville (St.-Clair Co.), MCM.	Galatia (Saline Co.), UCM.	Macoupin City and Co., LCM.	Randolph Co., L", LCM.
Bloomfield, L"	Gallatin Co., LCM.	Madison Co., L'.	Richland Crk. (St. Clair Co.), L"
Bloomington (McLeau Co.), MCM.	Girard, CM.	Marion Co., UCM.	River Bluffs (Monroe Co.), L'.
Bureau Co., UCM.	Glasgow (Scott Co.), L"	Marshall (Clarke Co.), UCM.	Rockport, Rock Riv. (Pike Co.).
Calhoun Co., L'.	Golconda (Pop. Co.), L"	" Co., LCM., U.	Rosiclare (Hardin Co.), L"
Carbon Cliff, CM. below M. grit.	Grafton (Jersey Co.), L'.	Mary's River (Randolph Co.), LCM., U.	St.-Clair Co., L", LCM.
" (Rock-island Co.), LCM.	Granville (Putnam Co.), Kinderh.	Mason's Landing (Mason Co.), UCM.	St. John (Perry Co.), LCM.
Carboudale (Jackson Co.), Millstone-grit.	Gravel Bank, L"	Mazon Creek (Grundy Co.), MCM., U.	Shawnee Town (Gallatin Co.).
Carlinville (McCoupin Co.), LCM., U.	Grayville (Edwards Co.), UCM.	Menard, LCM., U.	Sparta (Randolph Co.), LCM.
Carmi (White Co.), UCM.	Greene Co., CL., LCM.	Mercer Co., CL., LCM.	Springfield (Sangamon Co.), MCM., U.
Carnachan's (Mercer Co.), CM.	Hamburg (Madison Co.), LCM.	Monmouth (Warren Co.), LCM.	Sugar Creek (Sangamon Co.), UCM.
Caseyville (Madison Co.), LCM.	" (Wabash Co.), UCM.	Monroe City and Co., L'.	" (Williamson Co.), LCM.
Cedar Creek (Warren Co.), LCM.	Hamilton Co., UCM.	Montezuma (Pike Co.), CL.	Tazewell Co., LCM., U.
Chester (Randolph Co.), L"	Hancock Co., CL., LCM.	Moore's Mine, LCM.	Union Co., CL., LCM.
Clarke Co., UCM.	Hardin Co., CL., LCM.	Morgan Co., CM. below M. Grit.	Urbanna (Champaign Co.), UCM.
Clinton Co. (south), MCM., U.	Highland (Madison Co.), UCM.	Morris (Grundy Co.), LCM. = Mammoth vein ?	" (St.-Clair Co.), LCM.
Colchester (McDouough Co.), LCM.	Hodge's Creek (Macoupin Co.), LCM., M.	Mt. Carmel (Wabash Co.), UCM.	Vandalia (Fayette Co.), UCM.
Collinsville (Madison Co.), LCM.	Honey Crk. (Henderson Co.), L.	Mt. Sterling (Brown Co.), L"	Vermilion Co., LCM.
Crooked Creek (Marion Co.), UCM.	Illinois City (Rock-island Co.), LCM.	Murphysboro' (Jackson Co.), LCM.	Vienna (Johnson Co.), CL.
Cumberland Co., UCM.	" Town (St. Clair Co.), CL.	Nauvoo (Hancock Co.), L'.	Wabash Cut-off (White Co.), UCM.
Danville (Vermilion Co.), LCM.	Indianola (Vermilion Co.), LCM.	Neelyville (Morgan Co.), LCM.	Waldron ?, UCM.
Devil's Bake-oven (Jackson Co.), CL.	Jackson Co., CL., LCM.	New Philadelphia (Fulton Co.), LCM.	Warren Co., L', LCM.
Drury's Landing (Rock-island Co.), LCM.	Jefferson Co., UCM.	Newton (Jasper Co.), UCM.	Warsaw (Hancock Co.), L', L'.
Dry Fork (Brown Co.), L"	Jersey Co., CL., LCM.	Niota (Hancock Co.), L'.	Wataga, CL., LCM.
Duquoin (Perry Co.), LCM., M.	" Landing, L'.	Okaw River, L"	Waterloo (Monro Co.), L"
Edwardsville (Madison Co.), LCM.	Jerseyville, LCM.	Oquawka (Henderson Co.), Burlington L'.	Waupekan Creek (Grundy Co.), LCM.
" (Mercer Co.), LCM.	Johnson Co., CL., LCM.	Otter Creek (Jersey City), L'.	Williamsport (Wabash Co.), L', CM. below M. Grit.
	Jonesboro' (Union Co.), CL.	Paris (Edgar Co.), MCM.	Wyoming (Stark Co.), LCM.
	Kaskaskia (Randolph Co.), L"	Pella (St. John & Worthen), L"	Youngstown (Warren Co.), LCM.
	Kickapoo (Peoria Co.), LCM., M.	Peoria (Peoria Co.), LCM.	Zanesville (McCoupin Co.), UCM.
	Kinderhook (Pike Co.), Kinderhook Group.	Piasa Creek, L"	
	Knoxville (Knox Co.), LCM.		
	Lacon (Marshall Co.), MCM.		

IRELAND.

Taken chiefly from the IRISH GEOLOGICAL SURVEY.

P.B. = Passage-bed.

Adare, LLS.	Castle Cloonea (Dungarvan), L'''	Fethard, L'''	Lisnapaste (Ballintra), LLS.
Agalurcher, L'	P.B., Shale, L'	Florence Court, L'	Little Island (Cork), L'
Agnaglogh, P.B., Shale.	Castle Creagh (Doneraile), L'''	Foynes Island, L''?	Lough Esk, LLS.
Ardagh (Drumcondra), L'	Castle Cregganes, L'	Galles, CL.	Lough Gill, LCM.
Ardeonnaught, LLS.	Castle Espie (Cumber), P.B., Shale.	Garbrock Hill, LLS.	Lough Shinny, L'''
Ardgool (Co. Limerick), LLS.	Castle Knock (Jukes), L'	Garranaeoch, LCM.	Maghera (Co. Derry), MCM.
Ardgroom (Co. Cork), LLS.	Clare Co., CL., &c.	Glengoole (lower and upper), LCM.	Malahide (Dublin), LLS., L'
Ardross Castle, L'	Clonish (Fermanagh), L'	Grauard, P.B., LLS., L'	Manor-Hamilton, L' or L'''
Ardshankill (Boa Island), LLS.	Clogher (King's Co.), L'	Gurteen Colliery, UCM.	Maryboro' (Queen's Co.), L'''
Armagh (Co. Armagh), L'	Clonalvy, LLS.	Holme Patrick, L'	Middleton (Co. Cork), L'''
Arraglin Bridge, LLS.	Clonecastle, L'	Hook Head, L'	Millient (Clare), L'
Astagob (Co. Meath), L'	Clondalkin, CL., LCM.	Hook Point, LLS.	Mitcheltown, LLS.
Baileystown, LCM.	Clonea (lower), L'	Howth (Dublin), L, U.	Mohill, P.B., Shale.
Ballea (Co. Cork), LLS., Sandstone.	Clonfeacle (Co. Tyrone), L''?	Howth (Powiskadden), Coomhola Grit.	Monastir, L'
Ballinacourty, LLS.	Clorance (Co. Limerick), L'	Jarrow Colliery (Kilkenny), LCM.	Moneyburn River, P.B., Shale.
Ballinascreen (Co. Derry), L'	Cookstown (Co. Tyrone), CL.	Johnstone (Kilkenny), CL.	Mountphelim, LLS.
Ballingarane (Co. Limerick), P.B., Shale.	Coomhola Bridge (Co. Kerry), LLS.	Keadue (Co. Roscommon), LLS. or L'	Moyola River, LLS.
Ballingarry, P.B.	CorkCo.(North).CL., LCM., &c.	Kerry Co. (North and South), P.B., L''', &c. &c.	Mullaghtinny, L'
Ballinglen, LLS., Shale.	„ (South).P.B., CL., M.Grit.	Kesh (Co. Ferm.), L', &c.	Nenagh, L', L'''
Ballintra, LLS.	Courtlongh (Jukes), L'''	Kildare Co., L', &c.	Nobber (Meath), P.B., Shale, L'
Ballintrillick (Bundoran), LLS., L'	Cove of Cork, L'	Kildress (Co. Tyrone), P.B., Shale.	Pelletstown (Jukes), L'''
Ballybodoneil, P.B., Shale.	Creggan, LLS.	Kilfinney (Co. Cork), L'	Portumna, L'
Ballyduff, L'	Cregganore (Gort), P.B., LLS.	Kilgrogan (Co. Cork), L'	Raheen (Donegal), LLS.
Ballyheedy (Co. Cork), LCM.	Creggs (Nobber), L'	Kilkenny Co., LLS.	Raheeney (Dublin), L'
Ballymacraheen (Co. Limerick), LLS.	Crevenish (Co. Ferm.), L'	Killala (Co. Mayo), P.B.	Rahoran (Five-mile Town), P.B., Shale.
Ballymahon (Co. Meath), L'	Croagh Common (Co. Limerick), LLS.	Killagunra (Killala), L'	Rathcannon (Co. Cork), LLS.
Ballyshannon, L'	Cross-Patrick (Co. Killala), P.B., Shale.	Killashiel (Co. Tyrone), L'	Rathkeale (Co. Clare), L', L'''
Bedless Hill (Co. Meath?), L'''	Cutra (Belfast), L'	Killeummin (Killala), L'	Rathmines (Jukes), L'''
Belmore Mountains (Co. Enniskillen), CL., &c.	Curragh (Ardmore), P.B., Shale.	Killdorrey (Mallow), P.B., Shale.	Ring (Enniskillen), P.B., Shale.
Benburb, LLS., L'	Curraheen (Co. Limerick), L'	Killemeal (Dungannon), L'''	Rosecommon Co. (N. and S.), LLS., P.B., Shale, & Sand.
Bilboa (Co. Carlow), LCM., L', U.?	Derry, L'?	Killesbandra, P.B., Coomhola.	Rowerbeg (Co. Cork), LLS.
Black Lion Mountains (Co. Enniskillen), LLS.	Derryloran, L', L'''	Killmalloch (Co. Lin.), L'	St. Doolagh's (Dublin), LLS., L'
Blanchard's Town?, L'	Donagherry (Co. Derry), L'	Killshandra (Town Parks), L'	Searapag (Co. Ferm.), CL.
Bruckless, LLS., Shale.	Doohelybeg (Co. Limerick), L'	Kiltullagh, L'	Steales (Co. Cork), L'
Bundoran, Calp.	Doorin (Co. Donegal), LLS.	Kiltorkan Hill, P.B., Sandst.	Stradone, LLS.
Caberasse (Co. Limerick), L'	Down Co. CL.	Kinsale, M.Grit, LCM.	Tallaghlool, LLS.
Cappage House, L'	Draperstown (Dromard), L'	Kinsale, Old, P.B., Sandst.	Tallowbridge (Waterford), P.B., Shale.
Cappagh (Co. Waterford), P.B., Shale.	Drumcurren (Co. Fermanagh), LLS., L'	Knockabrack (Ballygawly), CM.	Tankard's Town (Kilkorrey), L'
Carlingford, L'	Drumkenan, LLS., L'	Knockadive, LCM.	Tobercurry, LLS.?, L', L'''?
Carnfeel (Co. Tyrone), CL., &c.	Drumquin, LLS., Shale.	Knockalonga, CM.	Tobergrey, LLS.
Carrick-ma-cross (Co. Louth), P.B., Shale.	Dungannon (Co. Tyrone), P.B., Shale.	Knockconny, LLS., Shale.	Tobermorey.
Carrick-oughter (Kesh?), P.B.	Dunkineely, LLS.	Knocksouna (Co. Cork), L'	Toney (Co. Fermanagh), LLS.
Carrick-reagh, L'	Dunsink, LLS.?, L'	Kyletaun (Co. Cork), LLS.	Town Parks, P.B., Shales.
Carrigaline (Co. Cork), L'	Dunworthy Bay, P.B.	Larganmore, P.B., Shale.	Tulsk, L?
Carrow-ma-crory (Templeboy), CL.	Dysart (Queen's Co.), L'''	Leitrim Co., CL., &c.	Tullyoran, L'
Carrow-ma-nalt.	Enagh, LLS.	Limerick Co., CL., &c.	West Town, L'''
	Emiskillen, L'		Wexford, L'
	Errigle-Kerrogue, L'		Wolgan's Town, LLS.
	Fanningtown (Co. Cork), L'		Woodland, L'
			Woodville, L'

POSTSCRIPT.

The horizons of other Countries can be readily collected from the Tables of this Thesaurus.

ADDENDA I.

[Received from MESSRS. JAMES HALL (Albany), A. H. WORTHEN (Springfld., Illin.), and other friends, when at press.]

KINGDOM ANIMALIA. CLASS AMORPHOZOA. ORDER PROTOZOA.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Astræospongia , Römer, 1854.			
Hamiltonensis, M. & W. Ham.	.....	New Buffalo, Iowa.....	Worthen, Rep. Illinois, iii. 419.
Stromatopora , Goldfuss, 1830.			
concentrica, Goldf.?	Cornif. Limest.	Kelly's Isle (Ohio), Lake Erie	Report Ohio, 1875, pt. 2 (Nicholson).
nodulata, Nicholson.	" " " "	" " " "	" " p. 251.
ponderosa, " " " "	" " " "	" " " "	" " p. 247.
substriatella, " " " "	" " " "	Marblehead, Ottawa Co. (Ohio)	" " p. 249.
Syringostroma , Nicholson, 1875.			
columnaris, Nicholson.	Cornif. Limest.	Sandusky (Ohio)	" " p. 253.
densa, " " " "	" " " "	Kelly's Isle, near Sandusky	" " "

SUBKINGDOM CŒLEENTERATA (Frey and Leuckart). CLASS ACTINOZOA.

Amplexus , Sowerby, 1814.			
exilis, Billings.	Cornif. Limest.	Haldimand, Welland, Oxford Cos. ...	Canad. Nat. n. s. vii. 232.
Hamiltonie, Hall.	Ham. Gr ^p	?	Hall, Palæont. N. Y. v. pt. ii. pl. 19*.
internittens, " " " "	" " " "	Moscow &c. (West New York).....	" " pl. 32.
mirabilis, Billings.	Cornif. Limest.	Haldimand, Welland, Oxford Cos. ...	Canad. Nat. n. s. vii. 232.
Yandelli, ?	" " " "	?	Palæont. N. Y. v. pt. ii. pl. 39.
Arenarium , Meek and Worthen.			
? Meek & Worth.	.....	? .....	Report Illinois, iii. 409.
Blothrophyllum , Billings, 1859.			
approximatum, Nicholson.	Cornif. Limest.	Port Colborne, Canada West, L. Erie.	Canad. Nat. n. s. vii. 141.
Chætetes , Fischer, 1837.			
fruticosus, Hall.	Ham. Gr ^p	Canandaigua Lake (New York) &c....	Hall, Palæont. N. Y. v. pt. ii. pl. 38.
fureatus, " " " "	" " " "	Norton's Landing, L. Cayuga, &c. (N. Y.)	" " pl. 37.
humilis, " UHL.	.....	Western New York	" " pl. 38.
tenuis, " " " "	" " " "	Stafford, Genesee Co. (New York) ...	" " pl. 37.
Combophyllum , Milne-Edwards, 1858.			
sulcatum, Cox.	Genesee Shale	Lexington (Indiana)	Cox, Rep. Indiana, 1875, p. 126.
Cyathophyllum , Goldfuss, 1826.			
conatum, Hall.	Ham.	Western New York (passim)	Hall, Palæont. N. Y. v. pl. 31.
corniculatum, Cox.	UHL.	Falls Riv. Ohio, Clarke Co. (Indiana).	Cox, Rep. Indiana, 1873, p. 149.
galerum, Hall.	Ham.	Moscow (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 32.
gradatum, " " " "	" " " "	Western New York (passim)	" " pl. 31.
Halli, Cox.	Cornif. Limest.	Falls Riv. Ohio, Clarke Co. (Indiana).	Cox, Rep. Indiana, 1873, p. 149.
Houghtoni, Röminger.	Ham.	Livingstone Co. (New York)	Hall, Palæont. N. Y. v. &c. pl. 39.
nanum, Hall.	.....	Moscow &c. (Western New York) ...	" " pt. ii. pl. 22.
Nepos, " " " "	" " " "	Livingstone Co. (New York)	" " "
palum, " " " "	" " " "	" " " "	" " pl. 31.
perlamellosum, M.-Edw. & H.	.....	? .....	" " pl. 39.
robustum, Hall.	Ham.	Western New York (passim)	" " pl. 22.
validum, " " " "	UHL.	Batavia, New York, Canada West ...	" " pl. 39.
Cystiphyllum , Lonsdale, 1839.			
Americanum, M.-Edw. & H.	Ham.	Moscow, Skeneateles, Bosanquet (C. W.)	Palæont. N. Y. v. &c. pl. 28.
conifollius, Hall.	" " " "	" " Bosanquet (Canada West)...	" " pl. 30.
corrugatum, " " " "	" " " "	Skeneateles Lake (New York)	" " pl. 29.
Ohioensis, Nicholson.	Cornif. Limest.	Columbus (Ohio)	Newberry, Rep. Ohio, 1875, pt. ii.
sulcatum, Billings.	UHL.	Clare ice Hollow (New York)	" " "
varians, Hall.	Ham. Gr ^p	Moscow &c. (Western New York) ...	Hall, Palæont. N. Y. 1876, v. &c. pl. 30.
vesiculosum, Goldf.	Cornif. Limest.	Columbus (Ohio)	Report Ohio, 1875, p. 254.

* The Corals are numbered separately.

ADDENDA I.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Eridophyllum , <i>Milne-Edwards and Haime</i> , 1851?			
<i>Verneuillium</i> , Edw. & H.	Cornif. Limest.	Columbus (Ohio)	Newberry, Rep. Ohio, 1875, p. 239.
Favosites , <i>Lamarck</i> , 1816.			
<i>arbuscula</i> , Hall.	Ham.	Moscow, York, Livingst. Co., &c. (N.Y.)	Palæont. N. Y. v. pt. ii. pl. 36 (Hall).
<i>Emmonsii</i> , "	UHL.	Williamsville (N. York), Falls River Ohio, Cayuga (Canada West).	" " pl. 9 "
<i>epidermata</i> , Röminger.	"	Akron, New York (or Ohio).....	" " pl. 6.
var. <i>cortcosa</i> , " (pars).	?	New York	" " pl. 10, 11.
<i>explanata</i> , UHL.	UHL.	?	" " pl. 14.
<i>Hamiltonia</i> , Hall.	Ham.	Western N. York, especially near L. Erie	" " pl. 34.
<i>hemisphærica</i> , Yand. & Shum.	"	Louisville (Kent.), Cayuga (Can. W.?)	" " pl. 10.
var. <i>a</i> , ?	UHL.	Falls River Ohio, and in New York...	" " pl. 2A.
" <i>distorta</i> , Hall.	"	Helderberg Mts. and Schoharie (N.Y.)	" " pl. 5.
" <i>recta</i> , "	"	Western New York, Cayuga (Can. W.)	" " pl. 2A, B.
" <i>turbinata</i> , "	"	Cayuga (Can. W.), Lake Erie	" " pl. 2c.
	"	Batavia &c. (N. Y.), Sandusky (Ohio), Cayuga (Can. W.).	" " pl. 11.
<i>invaginata</i> , Nicholson.	Cornif. Limest.	Marblehead (Ohio)	Reports Ohio, 1875, p. 233.
<i>placenta</i> , Röminger.	Ham.	Widder, Bosanquet (Can. W.), Western New York.	Hall, Palæont. N. Y. v. pt. ii. pl. 35.
var. <i>bilocula</i> , Hall.	UHL.	Caledonia (New York)	" " pl. 7.
<i>pleurodictyoides</i> , Nicholson.	Cornif. Limest.	Kelly's Isle, Lake Erie	Report Ohio, 1873, p. 232.
<i>polymorpha</i> , Goldf.	"	Antwerp (Ohio)	" " p. 231.
<i>tuberosa</i> , Röminger.	UHL.	Cayuga (Can. W.), Akron (N. York)...	Hall &c., Pal. N. Y. v. pt. ii. pl. 8.
" var., " (pars).	"	Akron (N. York), Cayuga, north shore Lake Erie, Canada West.	" " pls. 1 & 7.
<i>turbinata</i> , Yand. & Shum.	Ham.	Louisville (Kentucky)	" " pl. 2.
Heliophyllum , <i>Hall</i> .			
<i>Arachne</i> , Hall.	Ham.	Skeneateles Lake (New York)	Hall, Palæont. N. Y. v. &c. pl. 24.
<i>Colbornense</i> , Nicholson.	Cornif. Limest.	Port Colborne, Lake Erie, Can. W.	Canad. Nat. n. s. vii. 143.
<i>confluens</i> , Hall.	Ham.	Skeneateles Lake (New York)	Hall, Pal. N. Y. v. pt. ii. pl. 27.
<i>degener</i> , ?	"	"	" " pl. 25.
(<i>Zaphrentis</i>) <i>exiguum</i> , Bill.	UHL.	Schoharie (New York)	" " pl. 33.
<i>Hallii</i> , M.-Edw. & H.	Ham.	Skeneateles L., York, Livingstone Co.	" " pls. 23 & 25.
var. <i>obconicum</i> , "	?	"	" " pl. 25.
" <i>reflexum</i> , "	"	Livingstone Co. (New York)	" " pl. 23.
<i>irregulare</i> , Hall.	"	Daricn &c. (Western New York).....	" " pl. 24.
<i>proliferum</i> ?, "	?	Skeneateles Lake	" " pl. 26.
Heterophrentis , <i>Billings</i> , 1875.			
<i>compta</i> , Billings.	Cornif. Limest.	Haldimand, Welland, Oxford Cos.	Canad. Nat. n. s. vii. 236.
<i>excellens</i> , "	"	"	" " "
<i>prolifera</i> , "	"	"	" " "
	Ham.	sanquet Township.	" " "
<i>spatiosa</i> , "	"	Haldimand, Welland, Oxford Cos.	" " 235.
Lonsdaleia , <i>M.-Coy</i> .			
<i>floriformis</i> , M.-Edw. & H.	Spirif. Sandst.	Lithwinsek (Govt. Perm., Russia)	?
Michelinia , <i>De Koninck</i> , 1842.			
<i>Clappi</i> , M.-Edw. & H.	UHL.	Caledonia, Livingstone Co. (N. York)	Hall, Pal. N. Y. v. pt. ii. pl. 17.
<i>convexa</i> , D'Orb.	"	Ohio, Kentucky, Indiana, Mich., N. Y.	" " pl. 15 & 15A.
<i>dividua</i> , Hall.	?	?	" " pl. 18.
<i>favosidea</i> , Billings.	"	?	Canad. Journ. 1849, n. s. iv. 114.
<i>geometrica</i> , De Kon.	"	Belgium	Nouv. Recherches, 1874, p. 135.
<i>maxima</i> , Troost.	"	Tennessee, Kentucky, &c.	Hall, Palæont. N. Y. v. pl. 16.
(<i>Pleurodictyum</i>) <i>stylopura</i> , Eaton.	Ham.	Darien, York, Lake-Erie shore, N. York	" " pl. 18.
Microcycclus , <i>Meek and Worthen</i> , 1868.			
<i>discus</i> , Meek & Worth.	Ham. Gr ^p	Devil's backbone, Jackson Co. (Ill.)...	Worthen, Rep. Illinois, iii. 420.
Phillipsastrea , <i>D'Orbigny</i> , 1849.			
<i>gigas</i> , D. D. Owen.	Cornif. Limest.	Erie Co., Ohio	Nicholson, Rep. Ohio, 1873, p. 242.
Streptalasma , <i>Hall</i> , 1843.			
<i>recta</i> , Hall.	Ham. Gr ^p	Western New York (passim)	Palæont. N. Y. v. pt. ii. pl. 19.
<i>ungula</i> , "	?	(Not stated)	" " "
Striatopora , <i>Eaton</i> , 1832. (Thamnoptychia.)			
<i>limbata</i> , Eaton.	Ham. Gr ^p	Darien &c. to 18-mile Creek (L. Erie)	Palæont. N. Y. v. &c. pl. 133.
Trachypora , <i>Billings</i> , 1860.			
<i>elegautula</i> , Billings.	Ham. Gr ^p	" (Western New York).....	Hall, Palæont. N. Y. v. &c. pl. 33.
Zaphrentis , <i>Rafinesque and Clifford</i> , 1820.			
<i>Egeria</i> , Billings.	Cornif. Limest.	Haldim., Welland, Oxford Cos., W. Can.	Canad. Nat. n. s. vii. 231.
<i>eriphylye</i> , "	"	"	" " "
<i>gnitiva</i> , "	"	"	" " "
<i>Heeuba</i> , "	"	"	" " "
<i>invenusta</i> , "	"	"	" " "
<i>multilamellata</i> , Nicholson.	"	Columbus (Ohio)	Geol. Rep. Ohio, 1875, pt. ii. p. 236.
<i>prolifera</i> , "	"	Marblehead, Sandusky, Columbus	" " p. 238.
<i>subrecta</i> , Billings.	"	Haldimand, Welland, Oxford Cos.	Canad. Nat. n. s. vii. 235.
<i>Wortheni</i> , Nicholson.	"	Sandusky	Geol. Rep. Ohio, 1875, pt. ii. p. 235.

ADDENDA I.

PROVINCE ANNULOIDA. CLASS ECHINODERMATA. ORDER CRINOIDEA.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Calceocrinus , <i>Hall</i> .			
Barrissii, Worth.	Ham. or UHL.	Davenport, Iowa	Rep. Illinois, vi. 510.
Cctyledonocrinus , <i>Lyon</i> .			
spec. indet., Lyon.	.....	Kentucky, Indiana.....	?
Cyathocrinus , <i>Miller</i> , 1821.			
sculptilis, Lyon.	Upper Devonian.....	Ohio Falls, Jefferson Co., Kentucky...	Rep. Kentucky, iii. 486; Cox, Rep. Indiana, 1875.
Melocrinus (Ctenocrinus) , <i>Goldfuss</i> , 1826.			
Bainbridgensis, Hall & Whitf.	Genesee Slates	Bainbridge, Ross Co. (Ohio).....	Report Ohio, 1875, ii. 160.
Bedfordensis, " "	" "	Bedford (Ohio)	" " 161.

PROVINCE ARTICULATA. CLASS CRUSTACEA. ORDER TRILOBITA.

Acidaspis , <i>Murchison</i> , 1839.	Odontopleura , <i>Emmerich</i> , 1843.	Terataspis .	
Eriopis, Hall.	UHL.	Schoharie Co. (New York)	Palæont. N. Y. (as below) pl. 19*.
grandis, " "	Schoh. Grit.....	Albany and Schoharie Cos. (N. York)	Hall, Palæont. N. Y. v. pt. ii. pl. 17.
n. sp., " "	UHL.	Schoharie Co.	" " pl. 19.
Dalmanites , <i>Emmerich</i> , 1843.			
acantholeurus, Conrad.	Onondag. Limest. ...	Schoharie Co. (New York)	" " " pl. 10.
concinus, Hall.	Schoh. Grit.....	" "	" " " pl. 10.
denticulatus, Conrad.	UHL.	" "	" " " "
emarginatus, Hall.	"	" "	" " " "
regalis, " "	Schoh. Grit.....	Helderberg Mounts. (New York).....	" " " pl. 11.
Phillipsia , <i>Portlock</i> , 1843.			
levis, Hall?	Chem. Gr ^p	Chemung Co. (New York)	Palæont. N. Y. v. pt. ii. pl. 21.
minuscus, " "	UHL.	Schoharie Co. (New York)	" " pl. 20.
(Brachymetopus) ornata, Hall.	Ham.	18-miles Creek (N. York), Lake Erie..	" " pl. 21.
Proetus , <i>Steininger</i> , 1831.			
canaliculatus, Hall.	UHL.	Ohio Falls (Kentucky)	XV. Rep. Regents N. Y. p. 101.
crassimarginatus, " "	"	Clarence Hollow, Cayuga, W.S.W.	Palæont. N. Y. v. pt. ii. pl. 20.

PROVINCE ARTICULATA (MEROSTOMATA, Dana). CLASS CRUSTACEA.

Dithyrocaris , <i>Scouler</i> , 1835.			
Neptuni, Hall.	Chem. Gr ^p	Ithaca, in sandy shale (New York) ...	XVI. Rep. Regents N. Y. p. 75.

PROVINCE MOLLUSCOIDA. CLASS POLYZOA.

Ceritopora , <i>Goldfuss</i> , 1826.			
spec. indet., Etheridge.	M.	Gympie, Smithfield Reef, Queensland.	Quart. Journ. G. S. L. xxviii. 332.
Trematopora , <i>Hall</i> , 1852.			
hirsuta, Hall.	UHL. ....L.....	Bear-grass Creek (Kentucky), Ohio Falls (Indiana).	Cox, Rep. Indiana, 1875, p. 130.

* This numbering applies to the Crustacea only.

ADDENDA I.

PROVINCE MOLLUSCOIDA. CLASS BRACHIOPODA.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Leptæna , <i>Dalman</i> , 1827-28.			
Bouei, Barraude.	L.	Fombuena (Prov. Saragossa, Spain)...	D'Arch. Paléont. de France, p. 45.
Murchisoni, D'Arch. & Vern.	L, M.	" "	" "
Orthis , <i>Dalman</i> , 1827.			
Iowensis, var. furnarius, Hall.	Ham.	Independence (Iowa), Rock-isl. Co. (Ill.)	Worthen, Rep. Illinois, iii. 424.
Michelini, De Kon.	L.	Fombuena (<i>ut supra</i>)	D'Arch. Paléont. de France, p. 45.
orbicularis, D'Arch. & Vern.	L.	" "	" "
Pentamerus , <i>Sowerby</i> , 1843.			
comis, D. D. Owen?	Ham.	Rock-island Co. (Illinois)	Worthen, Rep. Illinois, 1868, iii. 429.
occidentalis.			
subglobosus, M. & W.	"	" "	" " 430.
Productus , <i>Sowerby</i> , 1814.			
exanthematus, Hall.	Cornif. and Ham.	Jonesboro', Union Co. (Illinois)	" " 412.
Spirifera , <i>Sowerby</i> , 1815.			
fornacula, Hall.	Ham.	Devil's Bakeoven (Jackson Co.)	" " 434.
? paradoxus, Schlot.	Onondag. Limest.	" "	" " 415.
Pellico, D'Arch. & De Vern.	L.	Fombuena (Prov. Saragossa)	D'Arch. <i>ut antè</i> .
perextensa, M. & W.	Onond. or Cornif. Lst.	Devil's Bakeoven, Jonesboro'	Rep. Illinois, iii. 414.
Rousseau, Rouault.	M.	Fombuena (Prov. Saragossa)	D'Arch. <i>ut antè</i> .
speciosa, Kayser.	M.	" "	" " "
subundiferus,	Ham.	Rock-island Co.	Rep. Illinois, iii. 434.
Spirigerina , <i>D'Orbigny</i> , 1849.			
aspera, Barrande.	L.	Fombuena (Prov. Saragossa)	Paléont. de France, <i>ut supra</i> .
Strophomena , <i>Rafinesque</i> , 1820.			
rhomboidalis, var. analoga, Phill.	Ham.	Gympie Goldfields	Quart. Journ. G. S. L. xxviii. 30.
Terebratula , <i>Lhwyd</i> , 1699.			
Archaici, De Vern.	L.	Fombuena (Prov. Saragossa)	D'Arch. <i>ut antè</i> .
? Bainii, D. Sharpe.	L.	Witzenberg Flats	Quart. Journ. G. S. L. xxviii. 30.
Schultzi, De Vern.	L?	Fombuena (Prov. Saragossa)	D'Arch. <i>ut antè</i> .

CLASS CONCHIFERA. GROUP MONOMYARIA.

Avicula , <i>Klein</i> , 1873.			
Woodwardi, Billings?	?	Gaspé Basin (Canada East)	Logan, Geol. Can. 1863, p. 398.
Aviculopecten , <i>McCoy</i> , 1853.			
imbricatum, Ether.	M.	Gympie, Queensland (Australia)	Quart. Journ. Geol. Soc. L. xxviii. 327.
parilis, Conrad.	Cornif. Limest.	Sandusky (Ohio)	Newb. Rep. Ohio, 1873, p. 242.
Unionensis, Worthen.		Union Co. (Illinois)	Worthen, Rep. Illin. vi. 511.
Pterinæa , <i>Goldfuss</i> , 1834-40.			
subpapyracea, M. & W.	L.	Ohio Falls	Rep. Illin. iii. 437, 1868.

CLASS CONCHIFERA. GROUP DIMYARIA.

Cardiola , <i>Broderip</i> , 1839.			
radians, Cox.	Black Shale, U.	New Albany (Indiana)	Cox, Rep. Ind. 1875, p. 126.
Conocardium , <i>Bronn</i> , 1835.			
Ohionensis, Meek.	Cornif. Limest.	Columbus (Ohio)	Rep. Ohio, 1873, part i. 205.
Grammysia , <i>De Verneuil</i> , 1837.			
Verueuili, ?	?	Gaspé Basin. The Narrows	Geol. Canad. 1863, p. 398.

ADDENDA I.

CLASS NUCLEOBRANCHIATA. GROUP HETEROPTEROPODA.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Bellerophon , <i>Montfort</i> , 1808.			
<i>crenistris</i> , Hall.	Ham.	Livingstone Co. (New York).....	Hall, Palæont. N. Y. v. pt. ii. pl. 25.
<i>cryolites</i> , "	Goniatis-layer	Rockford (Jackson Co.).....	Rep. Indiana, 1875, p. 46.
<i>Mæra</i> , "	"	Phillipsburg, Alleghany Co. (N.Y.)...	Hall, Palæont. N. Y. v. pt. ii. pl. 22.
<i>Neleus</i> , Nicholson.	Chemung Group.....	Tioga Co. (New York)	" " " "
<i>obsoletus</i> , Hall.	"	" " " "	" " " "
<i>Otsego</i> , "	Ham.	Schoharie Co. (New York)	" " " "
<i>tricarinatum</i> , "	Chemung, Upper ...	Painted Post (New York).....	" " " "
Coleoprion , <i>Sandberger</i> , 1847.			
<i>tenuicinctum</i> , Hall.	Ham.	Norton's Landing (Lake Cayuga) ...	Hall, Palæont. N. Y. v. pt. ii. pl. 27.
Conularia , <i>Miller</i> , 1818.			
<i>Cayuga</i> , Hall.	Ham.	Norton's Landing (Lake Cayuga, N.Y.)	Hall, Palæont. N. Y. v. pt. ii. pl. 28.
<i>congregata</i> , "	Portage Group	Ithaca (New York)	" " " "
<i>continens</i> , "	Marcellus Shale	Bridgewater, Oneida Co. (New York)	" " " "
<i>crebristria</i> , "	Ham.	Genesee Valley (New York)	" " " pl. 29.
Hyalithes , <i>Eichwald</i> , 1840.			
<i>Aclis</i> , Hall.	Theca , <i>Sharpe</i> , 1846. Pugiunculus , <i>Barrande</i> , 1847.	Cayuga Lake (New York).....	Hall, Palæont. N. Y. v. pt. ii. pl. 27.
<i>principialis</i> , "	Schoharie Grit	Schoharie Co. (New York)	" " " "
<i>striatus</i> , "	Ham.	Cayuga Lake (New York).....	" " " "
Phragmostoma , <i>Hall</i> . Allied to Bellerophon .			
<i>natator</i> , Hall.	Ham.	Chenango Co. (New York)	Palæont. N. Y. v. pt. ii. pl. 23.
Porcellia , <i>L'Eveillé</i> , 1835.			
<i>Hertzeri</i> , Hall.	UHL.	Columbus (Ohio)	Palæont. N. Y. v. pt. ii. pl. 16.
<i>Nais</i> , "	Chemung Group ...	Chemung Narrows (New York)	" " " "
<i>rotatoria</i> , "	UHL.	Cherry Valley (New York)	" " " "
Tentaculites , <i>Schlotheim</i> , 1820. Incertæ sedis, <i>Bronn</i> .			
<i>arenosa</i> , Hall.	Oriskany Sandstone	Clarksville, Albany Co. (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 26.
<i>attenuatus</i> , "	?	Cooper's Town (New York)	" " " "
<i>bellulus</i> , "	Ham.	Bellona, Yates Co. &c. (New York)...	" " " "
<i>scalariformis</i> , "	UHL.	?	" " " "
<i>scicula</i> , "	"	Delaware (Ohio)	" " " "
<i>spiculus</i> , "	Chemung Group ...	Ithaca, Courtland Co. (New York) ...	" " " "

PROVINCE ODONTOPHORA. CLASS GASTEROPODA.

Cyclonema , <i>Hall</i> , 1852.			
<i>concinna</i> , Hall.	Chemung Group ...	? (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 12.
<i>crenistris</i> , "	Schoharie Grit	Schoharie Co. (New York)	" " " "
<i>obsoleta</i> , "	Chemung Group ...	? (New York)	" " " "
Ecculiomphalus , <i>Portlock</i> .			
<i>comes</i> , Hall.	Ham.	Bellona and Otsego Co. (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 16.
Euomphalus , <i>Sowerby</i> , 1814.			
<i>Hecale</i> , Hall.	Chemung Group ...	Western New York	Hall, Palæont. N. Y. v. pt. ii. pl. 16.
<i>inops</i> , "	UHL.	Schoharie	" " " "
<i>rudis</i> , "	"	" " " "	" " " "
<i>Tioga</i> , "	"	Nichols, Tioga Co. (New York)	" " " pl. 15.
Isonema , <i>Meek and Worthen</i> , 1865.			
<i>bellatula</i> , Hall & Meek.	UHL.	Dublin (Ohio), Louisville (Kentucky)	Hall, Palæont. N. Y. v. pt. ii. pl. 14.
<i>lichas</i> , Hall.	"	Clarence Hollow (N. Y.), Columbus (Ohio).	" " " "
Loxonema , <i>Phillips</i> , 1841.			
<i>Bellona</i> , Hall.	Ham.	Bellona (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 14.
<i>coapta</i> , "	" Shales	18-mile Creek (Lake Erie shore)	" " " pl. 13.
<i>hydraulica</i> , H. & Whitf.	UHL.	Louisville (Kentucky)	" " " "
<i>styliola</i> , Hall.	"	Nicho's, Tioga Co. (New York)	" " " pl. 14.
<i>terebra</i> , "	Chemung Group ...	" " " "	" " " "
Macrocheilus , <i>Phillips</i> , 1841.			
<i>primævus</i> , Hall.	Schoharie Grit	Schoharie (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 12.
<i>Isonema?</i>			
Naticopsis? , <i>M'Coy</i> , 1855.			
<i>cretacea</i> , Hall & Whitf.	UHL.	Columbus (Ohio)	Hall, Palæont. N. Y. v. pt. ii. pl. 11.

ADDENDA I.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Platyceras , <i>Conrad</i> , 1841.			
auriculatum, Hall.	Ham.	Darien (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 3.
fornicatum, " "	UHL.	" " " " " " " " " " " "	" " " " " " " " pl. 5.
var. contractum, " "	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " pl. 2.
perplexum, " "	Ham.	Onondaga Co. (New York)	" " " " " " " " pl. 4.
riatum, " "	" " " " " " " " " " " "	Canandaigua Lake (N.Y.)	" " " " " " " " pl. 3.
Thetis?, var. subspinosum, " ?	UHL.	Canandaigua Lake (New York)	" " " " " " " " pl. 7.
undatum, " "	" " " " " " " " " " " "	Schoharie (New York)	" " " " " " " " " "
Platyostoma , <i>Conrad</i> , 1842.			
aplata, Hall.	Schoharie Grit	Schoharie (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 11.
defigurata, " "	Ham.	Canandaigua Lake (New York)	" " " " " " " " pl. 9.
euomphaloides, " "	" " " " " " " " " " " "	York, Livingstone Co. (New York) ..	" " " " " " " " " "
lineata, var. callosa, " "	" " " " " " " " " " " "	Genesee Co. (New York)	" " " " " " " " " "
var. ampla, " "	" " " " " " " " " " " "	Bellona (New York)	" " " " " " " " " "
" sinuosa, " "	" " " " " " " " " " " "	Moscow, Livingstone Co. (New York)	" " " " " " " " pl. 11.
lineatum, Conrad.	Cornif. Limest. &c.	Onondaga Co., Williamsville, &c. &c.	" " " " " " " " pl. 9.
pleurotoma, Hall.	UHL.	Onondaga Co. (New York)	" " " " " " " " pl. 10.
turbinata, " "	" " " " " " " " " " " "	" " and Schoharie Cos. (N.Y.) ..	" " " " " " " " " "
var. " cochleata, " "	Ham.	Livingstone Co. (New York)	" " " " " " " " " "
unisulcata, Conrad.	UHL.	Onondaga Co. (New York)	" " " " " " " " " "
var. " " " " " " " " " " " "	Ham.	Schoharie (New York)	" " " " " " " " " "
Pleurotomaria , <i>De France</i> , 1825.			
apicalis, Hall.	" " " " " " " " " " " "	West Bloomfield (New York)	" " " " " " " " pl. 11.
delicatula, " "	UHL.	" " " " " " " " " " " "	" " " " " " " " " "
disjuncta, " "	Ham.	Catharine Town, Chemung Co. (N.Y.)	Hall, Palæont. N. Y. v. pt. ii. pl. 20.
(Isonema) imitator, H. & W.	Cornif. Limestone ..	Louisville (Kentucky) and in N. York.	" " " " " " " " pl. 14.
insolita, " "	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " "
Itys, " "	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " pl. 20.
lucina, var. perfasciata, Hall.	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " "
planidorsalis, " "	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " "
plena, " "	UHL.	Schoharie Co. (New York)	" " " " " " " " pl. 17.

PROVINCE ODONTOPHORA. CLASS CEPHALOPODA.

Clymenia , <i>Münster</i> , 1839.			
complanatus, var. perlatus, Hall.	Chemung.....	Homer (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 70†.
Cyrtoceras , <i>Hall</i> , 1833.			
absens, Hall.	Schoharie Grit	Schoharie (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 47.
Beta, " "	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " "
clavatum, " "	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " "
Conradi, " "	Goniatite Limestone	Manlius (New York)	" " " " " " " " " "
Eugenium, " "	Schoharie Grit	Schoharie (New York)	" " " " " " " " pl. 36.
Orion, " "	Ham. " " " " " " " " " " " "	Albany Co. (New York)	" " " " " " " " pl. 48.
saeculum, M. & W.	" " " " " " " " " " " "	White Sulphur Spring, Delw. Co. (Ohio)	Rep. Illin. iii. 446.
Goniatites , <i>De Haan</i> , 1825.			
Ausavensis, Steining.	Ham.	Saltern Cove, S. Devon; Budesheim..	Geol. Mag. dec. 2, vol. iv. 101.
Gerolsteinensis, " "	Black Breccia	" " " " " " " " " " " "	" " " " " " " " " "
Ixon, De Kon., Hall.	Goniatite Limestone	Indiana (Carbonif. ?)	Hall, Palæont. N. Y. v. pt. ii. pl. 73.
Nundaia, " "	Chemung Group ..	Ithaca (New York)	" " " " " " " " pl. 69.
Oweni, " ?	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " pl. 73.
var. parallela, " "	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " "
peracutus, " "	Chemung.....	Ithaca (New York)	" " " " " " " " pl. 69.
Prumiensis, Steining.	" " " " " " " " " " " "	Saltern Cove	Geol. Mag. dec. 2, vol. iv.
retrorsus, Quenst. & V. Buch.	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " "
simulator, Hall.	Chemung.....	Ithaca (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 69.
unilobatus, " "	Ham.	Norton's Landing, Ithaca (New York)	" " " " " " " " pl. 71.
Gyroceras , <i>De Koninck</i> , 1844.			
constricta, M. & W.	Oriskany Sandstone	Bakeoven, Jackson Co. (Illin.)	Rep. Illin. iii. 447.
Eryx, Hall.	UHL. (Dolomite) ...	Millwaukee (Wisconsin State)	Hall, Palæont. N. Y. v. pt. ii. pl. 48.
Jason, " "	Schoharie Grit	Schoharie Co. (New York)	" " " " " " " " pl. 52.
Numa, Billings.	Cornif. Limestone ..	Haldim ^d , Welland, Oxf. Co* (Can. W.)	Canad. Natur. Journ. n. s. vii.

† The Cephalopoda are numbered apart.

ADDENDA I.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
paucinodus (Herco. ?), Hall.	UHL.	Cherry Valley (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 55.
spinosum, Conrad.	Schoharie Grit	Schoharie (New York)	Conrad. 3rd Ann. Rep. Pal. 1840, p. 206.
transversum, Hall.	Goniatite Limestone	Manlius (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 57.
validum, "	Schoharie Grit	Schoharie	" " " pl. 51.
Lituites ?, <i>Breyneius</i> , 1732.			
clymenoides, Hall.	Schoharie Grit	Schoharie and Albany Cos.	Hall, Palæont. N. Y. v. pt. ii. pl. 70.
Nautilus , <i>Breyneius</i> , 1732.			
Anax, Billings.	Cornif. Limestone ...	?	
Barrandei, Hall.	Ham.	Hamburg, &c., Lake Erie (N. York)	Hall, Palæont. N. Y. v. pt. ii. pls. 62, 63.
buccinum, "	Goniatite L'st & Ham.	Manlius and Madison Cos. (N. York)	" " " pl. 66.
cornulum, "	Ham.	Madison Co. (New York)	" " " pl. 60.
Marcellensis, Vanuxem.	Goniatite Limestone	Manlius (New York)	" " " pl. 65.
maximus, Conrad.	Ham.	Madison Co. (New York)	" " " pl. 64.
oriens, Hall.	Marcellus Shale	Richmondville, Schoharie (N. Y.)	" " " pl. 61.
Orthoceras , <i>Breyneius</i> , 1832.			
Bebryx, Hall.	Ham.	Madison Co. (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 39.
emaceratum, "	"	"	" " " "
luxum, Billings.	Schoharie Grit	Helderberg Mts. and Schoharie (N. Y.)	" " " pl. 35.
molestum, Hall.	UHL.	Clarence Hollow, Erie Co. (N. York)	" " " "
pelops, var. Ohioensis, Hall?	"	?	" " " "
procrus, "	"	?	" " " pl. 36.
robustum, "	Ham.	Otisco, Onondaga Co. (New York) ...	" " " pl. 40.
rudicula, "	UHL.	Stafford (New York)	" " " pl. 37.
Schlothemi, Quenstedt.	U.	Saltern Cove (S. Devon)	Geol. Mag. dec. 2, vol. iv. 101.
Trochoceras , Hall; <i>Barrande</i> , 1848.			
Nereus, Hall.	UHL.	Auburn (New York)	Hall, Palæont. N. Y. v. pt. ii. pl. 49.
obliquatus, "	"	?	" " " pl. 48.
Pandion, "	Schoharie Grit	Albany and Schoharie Cos. (N. York)	" " " "

VERTEBRATA. PROVINCE BRANCHIATA. CLASS PISCES.

Acantholepis , <i>Newberry</i> , 1875.			
pustulosus, Newb.	Cornif. Limestone ...	Sandusky, Marblehead, Delaw. (Ohio)	Newb. Geol. Rep. Ohio, 1875, p. 38.
Cheiracanthus , <i>Agassiz</i> , 1833.			
lateralis, M'Coy.	M.	Orkney Islands	Brit. Pal. Fossils, p. 582.
Cladodus , <i>Agassiz</i> , 1840.			
concinus, Newb.	Huron Shale	Loraine Co. (Ohio)	
Coccosteus , <i>Agassiz</i> , 1843.			
occidentalis, Newb.	Cornif. Limestone ...	Delaware (Ohio)	Geol. Rep. Ohio, 1875, pt. 2, p. 32.
microspondylus, M'Coy.	Black Flags	Orkney	Ann. Nat. Hist. 2nd ser. vol. ii.
pusillus, "	"	"	" " "
Ctenacanthus , <i>Agassiz</i> , 1837.			
vetustus, Newb.	Huron Shale	Avon Point, Loraine Co. (Ohio)	Geol. Rep. Ohio, 1875, pt. 1, p. 326.
Diplopterus , <i>Agassiz</i> , 1835.			
borealis, Murchis.	M.	Stromness, Orkney	Siluria, 4th edit. p. 264.
gracilis, M'Coy.	M.	Orkney Isles	M'Coy, Brit. Pal. Fossils.
Dipterus , <i>Valenciennes</i> and <i>Sedgwick</i> , 1828.			
brachypterygopterus, Sedg. & Murch.	M.	Caithness	Siluria, 4th edit. p. 263.
maerolepterygopterus, Sedg. & Murch.	Marl Limest., M.	"	" " "
Sherwoodi, Newb.	Catskill Group	Tioga Co. (Pennsylvania or New York)	Geol. Rep. Ohio, 1875, pt. 2, p. 61.
Valenciennes, Sedg. & Murch.	M.	Caithness Flags	M'Coy, Brit. Pal. Fossils, p. 593.

ADDENDA I.

Genus, Species, and Author.	Subdivision.	Locality.	Reference.
Glyptopomus , <i>Agassiz</i> , 1843. minor, Agassiz,	U.	Dura Den, Fife Co. (Scotland).....	Huxley, Mem. Geol. Surv. Great Brit. dec. x. 4.
Heliodus , <i>Newberry</i> , 1875. Lesley, Newb.	Upper Chemung.....	North Pennsylvania	Geol. Rep. Ohio, 1875, pt. 2, p. 64.
Holoptychius , <i>Agassiz</i> , 1836. princeps, M'Coy,	M. (Conglom.)	Scat-Craig, Elgin (Scotland).....	M'Coy, Brit. Pal. Fossils, p. 595.
Macropetalichthys , <i>Owen and Norwood</i> . Sullivanti. Newb.	Cornif. Limestone ...	Kama's Farm, Port Colborne (Can.W.)	Whiteave's Report (Selwyn's Report), 1873, p. 319.
Ptyctodus , <i>Pander</i> , 1858. CHIMEROIDEI. calceolus, N. & W. Ham. ....	.....	Davenport (Iowa)	Geol. Rep. Ohio, 1875, pt. 2, p. 59.
Rhynchodus , <i>Newberry</i> . CHIMEROIDEI. crassus, Newb.	Cornif. Limest.	Sandusky, Delaware (Ohio)	Geol. Rep. Ohio, 1873, i. 310.
fungus, " "	" "	" " " "	" " " " 312.
secans, " "	" "	" " " "	" " " " " "

REPTILIA.

Sauropus , <i>Lea</i> , 1849. antiquus, Lea.	Old Red Sandstone...	Pottsville (Pennsylvania)	Trans. Am. Phil. Soc. 1849, pp. 91-94.
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ADDENDA II.

(RECEIVED WHEN AT PRESS.)

SUBKINGDOM VERTEBRATA. PROVINCE BRANCHIATA. CLASS PISCES.

CLADODUS.]

[CARBONIFEROUS.

[illegible]

ADDENDA II.

NORTH AMERICA.

[illegible]

ADDENDA II.

NORTH AMERICA.

Genus, Species, and Author.		Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
myriophyllum,	Brngn.	LCM.							*									Morris Town.
Schlotheimii,	"	LCM.							*									"
splendens,	Lesq.	LCM.							*			*						Pottsville. Mauchunk.
Strongii,	"	LCM.							*									Mazon Creek.
tenuifolius,	Brngn.	LCM.							*									Morris Town.
thallyformis,	"	LCM.							*									" Colchester.
trichomanoides,	Brngn.	LCM.							*									" (shales).
tridactylis,	"	LCM.							*									" "
Lepidodendron, Sternberg, 1821.																		
cruciatum,	Lesq.	LCM.							*									Morris Town.
Greenii,	"	CM.							*									Mercer Co.
mammillatum,	"	LCM.							*									Morris Town.
obovatum,	Sternb.	M. Grit							*	*								Rock-Island Co., &c.
rigens,	Lesq.	LCM.							*									Mazon Creek.
Lepidophyllum, Brongniart, 1828.																		
foliaceum,	Lesq.	LCM.							*									Murphysboro'.
rostellatum,	"	LCM.							*									Mazon Creek.
striatum,	"	LCM.							*									"
Lepidostrobus, Brongniart, 1828.																		
convivens,	Lesq.	LCM.							*									Mazon Creek.
oblongifolius,	"	LCM.							*									Morris Town. Mazon Creek.
truncatus,	"	LCM.							*									" "
Neuropteris, Brongniart, 1828.																		
angustifolia,	Brngn.	LCM.							*									Mazon Creek (Grundy Co.).
Elrodi,	Cox.								*									? Cox, Report, 1875, p. 7.
rarinervis,	Bunb.					*												Vigo Co.
Smithii,	Lesq.	Millstone Grit.							*									Pikesville. Hindostan Village.
Odontopteris, Brongniart, 1828.																		
Bradleyi,	Lesq.	LCM.							*									Mazon Creek.
Orthogoniopteris, Andrews.																		
clara,	Andrews.	Kinderh.								*								Rushville (Perry Co.).
Pachyopteris, Brongniart.																		
gracillima,	Lesq.	LCM.							*									Morris Town.
Palæoxyris, Brongniart.																		
appendiculata,	Lesq.	LCM.							*									Mazon Creek.
corrugata,	"	LCM.							*									" "
Prendelli,	"	LCM.							*									" "
Paleophycus, Hall.																		
divaricatus,	Cox.	In ferr. concret.							*									Salt Creek (Vigo Co.).
gracilis,	"	" "							*									" "
Milleri,	"	" "							*									" "
Paolia.																		
vetusta,	Cox ?	Millstone Grit.							*									
Pecopteris, Brongniart, 1828.																		
arguta,	Sternb.	LCM.							*									Morris Town.
aspidioides,	Brngn.	LCM.							*									
Candolliana,	"	LCM.							*									Mazon Creek.
chaerophylloides,	"	LCM.							*									Colchester.
dentata,	"	LCM.							*									Mazon Creek.
elegans,	Göpp.	LCM.							*									" "
flavicans,	Presl.	LCM.							*									" "
hemiteloides,	Brngn.	LCM.							*									" "
Sillimani,	"	LCM., M.							*									" "
squamosa,	Lesq.	LCM.							*									" "
Rhabdocarpus, Göppert and Berger, 1848.																		
clavatus ?,	Sternb.	LCM.							*									Mazon Creek.
inamumillatus,	Lesq.	LCM.							*									" "
Schutzia, Goppert.																		
bracteata,	Lesq.	LCM.							*									Mazon Creek (in conerctions).
Sigillaria, Brongniart, 1828.																		
alternans,	Lindl. & Hutt.	LCM.							*									Morris Town.
Brardii,	Brngn.	LCM.							*									Murphysboro'.
Cistii,	"	LCM.							*									Morris Town.

ADDENDA II.

NORTH AMERICA.

[illegible]

ADDENDA II. (*continued*).

PLANTÆ.

NORTH AMERICA.

Genus, Species, and Author.	Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Diploxyton , <i>Corda</i> , 1840. spec. indet., Dawson. CM.														*			South Joggins.

SUBKINGDOM CELEENTERATA.

Axophyllum , <i>Milne-Edwards and Haime</i> . infundibulum, Worthen.								*									Clarke Co. (near Coal No. 12).
Chætetes , <i>Fischer</i> , 1837. carbonaria, Worthen. MCM.								*									Next to and above Belleville Coal (St. Clair Co.).
Cyathaxonia , <i>Michelini</i> , 1846. distorta, Worthen. CM.								*									Cumberland Co.
Cyathophyllum , <i>Goldfuss</i> , 1822. rugosum, Cox. Kinderh.								*									Dixon's Quarry (Jackson Co.).
Hadrophyllum , ? glans, ? L.								*									Burlington Limestone (Henderson Co.).
Lithostroton , <i>Fleming</i> , 1827. prolifera, Hall. L'''							*	*									Wildfowl Bay. Bell's Landing. Calhoun's Co.
Lophophyllum , <i>Milne-Edwards and Haime</i> , 1850. var. sauridens, UCM.																	St. Fé (North Mexico).
Michelinia , <i>De Koninck</i> , 1842. megastoma, Phill.																	Caninia , <i>Michel</i> . Dépôt Point (Jones Strait).
Zaphrentis , <i>Raphinesque and Clifford</i> , 1820 Ovibos, Salter. Arctic seas																	

CLASS ECHINODERMATA.

Actinocrinus , <i>Miller</i> , 1821. aquibranchiatus, McChesney. L.							*										Burlington.
Andrewsianus, " L, L'							*										Quincy.
Christii, Worthen. L'							*										Adams Co.
Agaricocrinus , <i>Troost</i> , 1830. tuberosus, Troost. L''							*										Crawfordsville.
Amphoracrinus , <i>Austin</i> , 1848. Americus, F. Röm.											*						White Creek Springs (Nashville).
Archæocidaris , <i>McCoy</i> , 1840. Cratis, White.																	Uinta Mounts. (Utah Terr.). Con- fluence of Grand and Green Rivs.
trudifer,																	" " "
? Astræa (Palæastræa), <i>McCoy</i> . carbonaria, ?											*						Crab Orchard (Cumberland Co.).

ADDENDA II. (*continued*).

CLASS BRACHIOPODA.

NORTH AMERICA.																			
Genus, Species, and Author.			Horizon.	ARKANSAS.	KANSAS.	NEBRASKA.	MISSOURI.	IOWA.	MICHIGAN.	ILLINOIS.	INDIANA.	OHIO.	KENTUCKY.	TENNESSEE.	PENNSYLVANIA.	NOVA SCOTIA.	CAPE BRETON.	NEW BRUNSWICK.	Locality.
Chonetes. (Devonian.)																			
mesoloba,	Cox.	?	.....				*	.....	*	*					*	.....			St. Clair Co. Pike Co. Trough Run.
Orthis, <i>Dalman</i> , 1827.																			
Rushensis,		Buff L'st., UCM.	.....								*								Edward's Port (Knox Co.).
umbraculum,	Schloth.?	?	.....								*								Fish Creek.
Productus, <i>Sowerby</i> , 1814.																			
aëquicostatus,	C. A. White.	.....	.....				*	.....											
Ivesii,	Newberry.	.....	.....																Jacob's Pool (North Arizona).
semireticulatus, var. Cal-		.....	.....				*	?	.....										
hounensis,	Swallow.	.....	.....																
var. frigida,	Salter.	.....	.....				*	?	.....										
umbraculum,	Schloth.	.....	.....						*										Fish Creek.
Wabashensis,		.....	.....						*										South Otter Creek (Jersey City).
Retzia, <i>King</i> , 1849.																			
punctulifera,	Shum.	UCM.	.....	*	*	*	.....	*	.....										
Rhynchonella, <i>Fischer</i> , 1809.																			
pustulosa,	Hall.	Kinderh.	.....					*	.....										Rockport.
subeircularis,	Winch.	"	.....					*	.....										Grindstone Quarries (Boat Point).
Whitei,	"	"	.....					*	.....										" " (Lake Huron).
Spirifer, <i>Sowerby</i> , 1820.																			
fastigatus,	(M. & W.), Hall.	L'	.....					*	.....										Crawfordsville.
hirtus,		Kinderh.	.....					*	.....										Rockport.
Keilhauui, Von Buch, Belcher, ii.		386	.....																Arctic Seas, Exmouth Isle, &c.
Marionensis,		Kinderh.	.....																
striatifomis,	Meek.	"	.....						*	.....									Sciotoville, &c.
Syringothyris, <i>Winchell</i> , 1864.																			
textilis,	Hall.	"	.....						*	.....									Floyd and Clarke Cos.

ORDER MONOMYARIA.

[illegible]

Carboniferous Fossils from Smith's Sound and the adjacent Coasts of the Central Polar Sea. Sir
GEORGE NARES commanding.—Collected by Captain FEILDEN, R.E. (Communicated by
ROBERT ETHERIDGE, Esq., F.R.S., &c.)

Feilden Isthmus, lat. 82° 43' N.

Genus, Species, and Author.		Other Localities.
Cyrtia , allied to <i>C. carbonarius</i> .		
Fenestella , <i>Miller and Lonsdale</i> , 1839.		
arctica†,	.....	
bullulata,	.....	Burnhead (Kilbride). Gare ?
cribrosa†,	.....	
intertexta†,	.....	
Lithostrotion , <i>Fleming</i> , 1827.		
basaltiforme,	Conybeare & Phill., and A. Römer	Bathurst Island (Arctic Sea).
juncum,	Fleming	America and Europe.
Martini,	.....	
Polypora , <i>M. Coy</i> , 1844.		
biarmica,	Keyserling	CL. River Pinega (Russia).
grandis,	.....	
megastoma,	.....	
Productus , <i>Sowerby</i> , 1814.		
costatus,	Sow.....	Moscow. England, Ireland, &c.
fimbriatus,	„	Russia. Ireland, Scotland, &c.
giganteus,	Martin	„ Visé. England. Scotland.
mesolobus,	Phill.	Belgium. Scotland. Russia.
punctatus,	Martin	Ireland. Belgium. Russia.
semireticulatus,	.....	„ „ „
Ramipora .		
Hochstetteri,	.....	
Rhynchonella , <i>Fischer</i> , 1809.		
pleurodon,	Phill.	Ireland. England. Russia.
Spirifera , <i>Sowerby</i> , 1820.		
duplicicostata,	Phill.	England. Russia, &c.
ovalis,	„	„ Africa. Belgium, &c.
Spiriferina , <i>D'Orbigny</i> , 1847.		
eristata,	Schloth.	Ireland. Illinois. Nova Scotia.
Strophomena , <i>Rafinesque</i> , 1820.		
rhomboidalis,	Wilkins	Passim.

† Only known to me from Feilden Isthmus.—R. ETHERIDGE, F.R.S.

[illegible]

ADDENDA II. (*continued*).

CLASS CRUSTACEA.

EUROPE, &c.																	
Genus, Species, and Author.	Horizon.	IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.	ALTAL.	Locality.
Anthrapalæmon , <i>Salter</i> , 1861.																	
Woodwardi, R. Ether., jun.	LLS.		*														Belhaven Bay (Dunbar).
Beyrichia , <i>M'Coy</i> , 1846.																	
subdecorata, M'Coy.			*														
Cyclophthalmus , <i>Corda</i> , 1845?																	
senior, Corda?												*					Chomle (Radnitz). (Lethæa Geogn. (1876.)
Cypris , <i>Müller</i> , 1756?																	
insignis, Ludwig.																	Palæont. Dunker and Von Meyer.
Dictyoneura , <i>Jordan</i> , 1854.																	
anthracophila, Jordan.	MCM.						*										Gersweiler Pit, Saarbruck.
Humboldtiana, Goldenb.	MCM.						*										Sulzbach, Saarbruck.
Limulus , <i>Müller</i> ; <i>Latreille</i> .																	
rotundatus, Prestw.	MCM.			*													Coalbrookdale.
Palæocypris , <i>Ch. Brongniart</i> .																	
Edwardsi, Ch. Brngn.	LCM.					*											St. Etienne.
Zyloryctes , <i>Stur and Fritsch</i> .																	
planus, Stur & Fritsch.	UCM.											*					Upper Radnitz Coal.
septarius, "	LCM.											*					Lower "

ORDER TRILOBITA.

[illegible]

CLASS POLYZOA.

[illegible]

ADDENDA II. (*continued*).

CLASS PISCES.

EUROPE, &c.																	
Genus. Species, and Author.	Horizon.															Locality.	
		IRELAND.	SCOTLAND.	ENGLAND.	BELGIUM.	FRANCE.	RHENISH PRUSSIA.	WESTPHALIA.	SILESIA.	HARZ.	MORAVIA.	BOHEMIA.	SAXONY.	RUSSIA, EUROP.	URAL.		ALTAL.
Fissodus , <i>St. John and Worthen</i> . bifidus, St. John & Worth.	L' above Calder-wood Cement.	...	*	...	...	...	...	...	...	...	...	...	...	...	...	...	Dean Pit, Bo'ness. Kirktonholm cement-mine. E. Kilbride.
Ichthyocopros , <i>Goldenberg</i> , 1839? pupæformis, Goldenb.	MCM.?	...	...	...	...	...	*	...	...	...	...	...	...	...	...	...	Doubtful bodies. Fish-coprolites? Saarbruck.
Lamna , <i>Goldenberg</i> , 1839? carbonaria, var. minor, Germar.	.....	...	...	...	...	...	*	...	...	...	...	...	...	...	...	...	The same as <i>Ichthyocopros</i> .

AMERICA.

SHORT SUMMARIES OF THE CARBONIFEROUS FORMATION.

The leading feature of this epoch here is, when fully developed, its division into four sets of continuous Coal-measures by two thick sandstones and Millstone Grit, according to D. D. Owen (Report on Arkansas).

Canada East.

(Logan, Report, 1863.)

Gaspé Bay, Points Jaune and Peter, LCM.
Bonaventure Isle, LCM.
Bay of Chaleurs, LCM. and MCM.

Prince Edward's Island (Gulf of St. Lawrence).

(Dawson and Harrington.)

Upper Coal-measures. Miminigash, Gallas Point, &c.

Nova Scotia and New Brunswick.

(Acadian Geology, pp. 129-131.)

1. *Upper CM.* = Upper barren CM., England. *Calamite, Annularia.* 3000 feet thick.
2. *Middle CM. or productive CM.* = LCM., M. of Europe and U.S.A.
3. *Millstone Grit* (red sandstone) and shales, with conglomerate; the whole of great thickness. 5000-6000 feet.
4. *Carboniferous Limestone*, Upper and Lower, as in England and in U.S.A. Much gypsum, with sandstone, clay, marl.
5. *Lower Coal-measures and Lower Conglomerate*, the subcarboniferous of America, false CM. of Virginia &c., the Marshall Group, Tuedian of England, Culm of Germany, &c.

Cape Breton.

(From this 'Thesaurus'.)

Upper Coal-measures. Sydney (*Neuroptera cordata*, var.), Port Hood, Sydney (*Eurypteris*, spec. indet.), Caribou Cove, &c.

Middle Coal-measures. Sydney (*Annularia* &c.).

Lower Coal-measures. Canseau Straits, Plaister Cove, Brad-dock (*Leaia*, *Anthracosia*, &c.).

Millstone Grit. Cape Porcupine, McMillan's Point, &c.

L". Irish Cove, Lennox Passage, &c.

L". " (*Serpula*, *Modiola*, *Productus spinosus*).

L'. Roe's Point, Long Island, Cheticamp, Baddick (*Gyracanthus*).

Total thickness about 10,000 feet (R. Brown).

Newfoundland.

St. George's Bay, LCM.

" Upper Millstone Grit.

State of Rhode Island.

(C. Hitchcock.)

Lower Coal-measures. Newport, Easton Beach, Aquidneck Isle (Lesquereux), Portsmouth, Aquidneck Mine (anthracitic), and Mount-Hope Mine.

Arkansas.

(D. D. Owen, Leo Lesquereux.)

All coal-beds are subconglomeratic, in or near Mountain Limestone, as at Spadra Creek, Jenny Lind's Prairie, &c.

L". Common.

L'. *Agassizocrinus* (Washington Co.).

Kansas.

(Meek and Hayden.)

Chiefly UCM., fossiliferous, often with limestone beds.

Also UL, very thick; westwards to the Rocky Mountains (Sir W. Logan's Map).

See first Table.

Nebraska.

(Meek, Geinitz.)

As in Arkansas.

UCM. holds many plants, besides *Cyathoxonia*, *Stenopora*, *Archæocidaris*, *Edmondia*, &c.

UL. holds *Cythere*, *Fenestella*, *Glauconome*, *Polypora*, &c., with many plants.

Mexico, North or New.

(G. G. Shumard.)

UL. principally, but now often proving to belong to the lower divisions.

Localities. Cornudas, El Paso, Horse Mountains, &c.

UCM. Pecos Villages, Kosilowski (Hayden).

MCM. Fort Filmore.

LCM. (anthracite). Old Placer Mountains, Real de Dolores.

See Supplementary Table for numerous Organic Remains.

Uinta Mountains.

(J. W. Powell, 1876.)

Stretching east from the Wasatch Mountains, for 150 miles, to the Junction Mountains.

In this region we may not be able to separate this epoch into the usual divisions (Powell, p. 80).

feet.

1000. Upper Aubrey Group; sandstone, occasionally limestone.

1000. Lower Group; limestone, occasionally sandstones.

2000. Red-Wall Group; principally limestone.

460. Lodore Group; thin-bedded sandstone lying unconformably.

For a few fossils, see Supplementary Table.

AMERICA (continued).

Missouri.

(Broadhead, Survey, 1874, p. 67.)

Upper Coal-measures. Putnam, Caldwell Cos., &c.
 Middle Coal-measures. Lexington, Hannibal, &c.
 Lower Coal-measures. Clarke, St. Louis, Putnam Cos., &c.
 Conglomerate. Not known? (Winchell).
 Chester Limestone (*Archimedian*) and Sandstone. St. Genevieve,
 St. Louis Cos., &c., Warsaw (St. Louis Limestone), Boons-
 lick, St. Louis Co. (*Archimedes reversa* &c.).
 Keokuk Limestone (under chert-beds). Clinton, Jasper, Calla-
 way Cos., Dresden, &c.
 Burlington Limestone. Cedar Co., Clinton Co., Birmingham, &c.
 Kinderhook. Howard, Ralls, Pike Cos., &c., consisting of
 Chouteau Limestone, vermicular sandstones and shales,
 lithographie limestone.

Iowa.

(J. Hall, White, Whitfield, Winchell.)

Upper Limestone (UL). White (*Cytherina*).
 " Coal-measures. Clarke, Decatur, Union Cos., &c.
 Middle " Dallas Co., Des Moines City.
 Lowest " Marion, Webster Cos., &c.
 Millstone Grit.
 L^{'''}, Chester and St. Louis Limest. Webster City, St. Louis Co.
 L', Keokuk Limestone. Keokuk &c.
 L, Encrinital or Burlington Limestone. Burlington.
 Kinderhook (Yellow Sand series).

Michigan.

(Prof. Winchell, 1873.)

	feet.
Woodville Sandstone	80
Coal-measures	125
Parma Conglomerate	100
Coal-bearing group	305
Carboniferous Limestone	70
Michigan Salt group	185
Marshall "	160—1025

Indiana.

(E. T. Cox, A. Winchell.)

	feet.
UL, Carthage Limestone	58
Shale, sand, limestone, 5 coal-beds	314
Anvil Rock (sandstone)	100
Shale &c., 8 coal-beds	398
Mahoning Sandstone	119
Shale &c., 6 coal-beds	304
Millstone Grit	60
Coals, subconglomeratic	3—1356
St. Louis Limestone	L ^{'''}
Warsaw "	L ^{''}
Keokuk	L'

Kinderh., Rockford Limest., and Williamsport Gritstone.

Illinois.

(A. H. Worthen; A. Winchell, Rep. ii. p. viii.)

Upper CM. White, Saline, Cole Cos., &c.	feet.
Middle CM. Peoria, McLean, Edgar Cos.	1200
Lower CM. Most common	
Millstone Grit. Jackson and Rock-Island Cos....	
Coal-measures, subconglomerate (Winchell) ...	
Chester (Kaskaskia) Limestone and shale	800
St. Louis Limestone and shale	200
Warsaw Limestone?	
Keokuk Group, limestone and shale	150
Burlington Gr ^p , coarse subcrystalline limestone.	200
Kinderhook Gr ^p , shales, limestone, sandstones...	150—2700

Virginia, West.

(Macfarlane.)

The Coal-measures system as in Pennsylvania.

1. Upper Shale and Sandstones; CM. barren.
2. " Coal-measures productive.
3. Barren Coal-measures.
4. Lower "
5. Conglomerate base.

Kentucky.

(D. D. Owen, Lesquereux, Winchell.)

Coal-measures in four parts—a single formation, but divided
 by the Anvil and Mahoning Sandstones, and by Millstone Grit,
 a pebbly sandstone (Owen, Rep. Kentucky, 1861, p. 337).

Millstone Grit. Tigert's Creek, Big Muddy Creek, &c.
 Coal-measures, subconglomeratic. Breckenridge Co., Indian
 Creek, &c.

Kaskaskia Limestone. Grayson, Hardin Cos., &c.

St. Louis "

Keokuk " Nashville Tunnel.

Kinderhook Group. Knobstones &c., Vanceburg, Danville.

Ohio.

(Winchell and this 'Thesaurus'.)

Upper Coal-measures. Guernsey Co., Pomeroy.

Middle " Saline Co., Federal Creek, &c.

Lower " Youngstown, Freeport, Zanesville, &c.

Millstone Grit. Berea, New Lisbon, Perry Co.

Kaskaskia Limestone (L^{'''}). Newtonville, Sugar Creek.

Keokuk Limestone (L'). Coshocton, Newtonville, Manelton.

Kinderhook. Newark, Seiotville, Buttonmold, Rushville (Cho-
colate Slate series).

Ohio, South.

(C. Whittlesey, Report Ohio.)

1. Coal-measures.
2. Conglomerate.
3. Fine-grained sandstone (Waverley).
4. Black shale.
5. Buff-coloured or Cliff Limestone.

Pennsylvania.

(Rogers, Leslie, Macfarlane.)

Coal (anthracitic in the east), graduating into the soft bitu-
 minous in the west. Upper CM. has a red ash, the Lower a
 grey ash.

Upper Barrens (Coal-measures), 1000 feet (Macfarlane).

" Coal-measures. Pittsburg, Brownsville (Gate beds),
 Panther Creek, &c.

Middle Coal-measures. Blairville, Broad-Top Mountain, &c.
Mahoning Sandstone.Lower Coal-measures. Tioga, Lycoming, Shenandoah (Mam-
moth Vein).

Millstone Grit. Venango (N.W. Pennsylvania).

Limestones above and below Millstone Grit. with fossils (not
many).Coal-measures, subconglomeratic. McLean, Mercer, St. Clair
Cos., &c.

The Coal-measures of Pennsylvania have no fixed order of
 superposition (Dana, 2nd ed. p. 311).

EUROPE, &c.

SHORT SUMMARIES OF THE CARBONIFEROUS FORMATION

as found in different parts of Europe, &c., in accordance with my materials.

Ireland.

SOUTH IRELAND (Griffiths and Jukes).		feet.
Coal-measures	Shales with coal	1800
	Flagstone series	500
	Lower shales	800
Carboniferous	Various strata	2800
Limestone	Lower limestone shale	200
Carboniferous	Black slate	2000
	" with Coomhola grits	3000
Slate	Yellow sandstone	900

NORTH IRELAND.

12000

(From the kindness of Professor Etheridge.)

Coal-measures	Coal-measures	2000
	Millstone Grit	500
&c.	Yoredale beds	500
	" L ^m	500
	Upper limestone	500
	Upper Calp shale	500
	Calp sandstone	300
	Lower Calp shale	500
	" limestone	800
	" limestone shale	100
	Yellow sandstone	500
		6200

Scotland.

(Bristowe.)

Upper Coal-measures...	{	Upper Red Sandstone series.
		Flat coal series.
Lower Carbonif.	{	Rosslyn sandstone or Moor rock.
		Rock with coal beds.
Carboniferous	{	Upper limestones with coal.
		Edge coal series with ironstone.
limestone series.	{	Lower limestones.
		Cementstone group.
Calcareous Sand-	{	Cornstone group.
stone		

CARLUKE, LANARKSHIRE.

(John R. S. Hunter.)

- Section 1. Upper Coal-measures.
 2. Millstone Grit (sandstone above Gair limestone).
 3. Upper Limestone (Gair and Belstone).
 4. Middle Coal-measures.
 5. Lower Limestones (with ironstone).
 6. Lower Coal-measures (with limestone).
 7. Old Red Sandstone.

Trans. Edinb. Geol. Soc. i. 38, 39.

England.

(Prof. Etheridge, F.R.S.)

Phillips's 'Manual,' 1855, p. 157, makes substantially the following statements of Etheridge:—

1. Upper Coal-measures.
2. Middle (Pennant) Coal.
3. Lower Coal-measures.
4. Millstone Grit.
5. Upper limestone shale.
6. Carboniferous limestone.
7. Lower limestone shale.

The subdivisions of SOUTH BRITAIN, SOUTH WALES, &c.
 (Bristowe.)

Upper Carboni-ferous	{	Upper Coal-measures.
		Middle Coal-measures (Pennant grits).
		Lower Coal-measures.
Lower Carboni-ferous	{	Millstone grit.
		Upper limestone shale.
		Carboniferous limestone.
		Lower limestone shales.

LANCASHIRE, DERBYSHIRE, and SOUTH YORKSHIRE.

Upper Coal-measures.
 Middle Coal-measures.
 Lower Coal-measures (Gannister beds).
 Millstone Grit.
 Limestone shale (Yoredale rocks).
 Carboniferous limestone.
 No base.

NORTH YORKSHIRE, NORTHUMBERLAND, CUMBERLAND (part).

Upper Coal-measures.
 Middle Coal-measures.
 Millstone Grit (Yoredale rocks).
 Carboniferous limestone.

NORTHUMBERLAND and DURHAM.

(George Tate.)

1. Upper Coal-measures.
2. Millstone Grit.
3. Mountain limestone. *a.* Carbonaceous. *b.* Calcareous.
4. Tuedian = Lower Limestone shale (pars).

France.

Upper Coal-measures. Montrelais, &c.
 Middle Coal-measures. Alais (Gard), Langeac (Loire), &c.
 Lower Coal-measures. Vouvan, St. Etienne, Alais, &c.
 Millstone Grit ?
 Upper Carboniferous limestone. Clermont-Ferrand, Argentré, Bachant.
 Middle Carboniferous limestone. Ferrière le Grand (Nord), &c.
 Lower Carboniferous limestone. Brittany, Nefiez (Bezières).
 Limestone shale. Upper Vosges, Laval, Chatelais, &c.

Several coal-beds below Millstone Grit.

Belgium.

General features nearly as in France.

Westphalia.

(From this 'Thesaurus')

Upper Coal-measures... } Altenessen, Bochum, Dortmund.
 Middle Coal-measures.. } Ibbebüren, Osnaburg, River Ruhr.
 Lower Coal-measures... }
 Millstone Grit. Dusseldorf (River Ruhr), Mayen Wais (yellow grit?).
 Upper Carboniferous limestone ?
 Middle Carboniferous limestone. River Ruhr, Bochum.
 Lower Carboniferous limestone ?
 Passage-bed. Statberge, Slingen-sleiper.

The Coal formation of other parts of Germany, Harz, Silesia, &c. is nearly as in Westphalia, as may be seen in this 'Thesaurus.' The same may be said of Spain and Portugal, &c.

EUROPE, &c. (continued).

Russia (European and Asiatic).

UPPER CARBONIFEROUS.

(Helmersen, 'Explication,' p. 88.)

Limestone (white, chalky, yellow, siliceous, magnesian); Marl. River Dwina, Govt. Archangel, Kholmogory, Vitegra, Staritza (Moscow environs), Govt. Vladimir (west side), Govts. Riazan and Tambov (north side), district Loukoyanov (south side), Govt. Nijny-Novogorod. Sandstones and clay-slates. The chain of Donetz.

LOWER CARBONIFEROUS.

(Helmersen.)

Limestone (yellow, magnesian); Sandstone (compact and granular); *Silex Nodules*. Govts. Novogorod, Toula, Kalouga; Riazan (south part), chain of the Donetz. Sandstones, Conglomerates, Arkoses, Clay-slate, Coal, Ironstone. The Chain of the Donetz.

See 'Explication de la Carte Géologique de Russie,' pp. 13-89.

RUSSIA.

(Prof. Milne, 'Across Europe and Asia,' Geol. Mag. decade ii. vol. iv. p. 403.)

The general relations of three great coal-fields of this empire:—

South of Moscow.	West of Ural.	East of Ural.
1. Limestone, with <i>Fusulina cylindrica</i> .	1. Millstone Grit. 2. Limestone, with <i>Fusulina cylindrica</i> . 3. Sandstone, slate, coal.	
2. Limestone, with <i>Prod. gigas</i> .	4. Limestone, with <i>Prod. gigas</i> .	1. Limestone, with <i>Prod. gigas</i> . 2. Sandstone, COAL, and Conglomerate. 3. Limestone, with <i>Prod. gigas</i> .
3. Clay-slate, with <i>Stigmaria ficoides</i> , and COAL.	5. Sandstone and COAL.	4. Sandstone, Conglomerate, and COAL. 5. Limestone, with <i>Prod. gigas</i> .
Devonian.	Devonian.	Devonian.

Spitzbergen.

(Prof. Nordenskiöld, Geol. Mag. dec. ii. vol. iii. pp. 23-71.)

The Carboniferous formation is here in three divisions:—

- C. Upper Coal formation. Robertthal, Recherche Bay (only known there).
B. Mountain Limestone. Horn, Bell, and Ice Sounds; Spitzbergen.
A. Lower Mountain Limestone. Ursa stage (most developed in Bear Island).

Bear Island (near Spitzbergen).

(Prof. Heer.)

Coal-measures above this level.

D. Siliceous schists. *Productus*-limestone (*Productus* large, thick-shelled).

C. *Spirifer* limestone, with gypsum. *Spirifers* many (some colossal in size).

B. *Cyathophylla*-bearing limestone and dolomite.

A. Russian Island (Spitzbergen) limestone, greyish yellow dolomite, calcareous shale.

2. Red Devonian shales.

1. Sandstone, with intercalated coal and clay-slate; with plants.

India (Salt Range, Punjab).

(Dr. Fleming, Quart. Journ. Geol. Soc. xviii. p. 25.)

The Carboniferous rocks of this range are in three divisions.

c. *Upper limestone*. Brachiopoda &c. occur throughout.

b. *Grey sandstone and shales*. Few fossils here.

a. *Lower limestone*, with calcareous sandstone. Large Brachiopoda abound.

Queensland.

Succession of its Palæozoic Rocks.

(R. Etheridge, F.R.S. &c., Quart. Journ. Geol. Soc. xxviii. p. 325.)

The Carboniferous strata are near the base of the series.

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	SPECIES ACCORDING TO NUMBER AND HORIZON.																							SPECIES ACCORDING TO NUMBER AND HORIZON.																											
	DEVONIAN PERIOD.								CARBONIFEROUS PERIOD.															DEVONIAN PERIOD.								CARBONIFEROUS PERIOD.																			
	Oriskany Sandstone.	Upper Helderberg Group.	Hamilton Group.	Chemung Group.	Horizon uncertain.	Recurrences.	Total Species.	Kinderhook.	Burlington System.	Archimedian Limestone.				Subconglomeratic CM.	Horizon uncertain.	Recurrences.	Millstone Grit (Sandstone Conglomerates).	Coal-measures.				Upper Limestone.	Horizon uncertain.	Recurrences.	Total Species.	Total Species, Devonian and Carboniferous.	Limestone, Sandstone, Shale.				Horizon uncertain.	Recurrences.	Total Species.	Lower Limestone Shale.	Carboniferous Limestone, &c.					Horizon uncertain.	Recurrences.	Millstone Grit.	Coal-measures.				Horizon uncertain.	Recurrences.	Total Species.	Total Species, Devonian and Carboniferous.	
										1.	2.	3.	Limestone, CL.					L.	M.	U.	CM.						L.	L'.	M.	L'.					U.	L'''.	CL.	L.	M.				U.		CM.						
Plantæ	1	7	111	66	6	18	173	11	1	...	...	9	1	2	...	...	17	469	188	143	13	...	54	118	790	963	25	12	78	8	10	113	212	27	3	5	36	...	...	25	434	574	372	69	122	421	1458	1571	2534		
Amorphozoa	...	2	5	...	...	...	7	9	...	2	2	1	...	...	...	...	...	...	...	...	...	...	...	14	21	3	11	6	...	6	14	...	1	...	...	3	2	...	...	...	...	...	...	6	20	41					
Foraminifera	...	...	...	...	...	...	?	...	...	...	...	1	...	...	...	...	...	...	...	14	...	1	1	...	17	17	...	...	...	...	...	12	20	10	32	1	...	29	...	12	...	11	...	1	9	61	61	78			
Cœlenterata	7	121	89	15	5	21	216	15	1	20	12	8	...	...	26	10	...	3	...	15	...	...	...	1	89	305	77	125	78	5	22	263	26	146	62	66	61	40	87	...	1	...	3	...	...	...	318	581	886		
Echinodermata	7	32	60	35	2	9	127	32	379	72	95	130	4	...	35	47	8	9	2	28	2	1	...	...	750	877	69	116	41	4	28	202	33	113	52	72	18	14	69	1	...	1	1	...	...	...	236	438	1315		
Annelida	1	6	13	1	1	2	20	...	...	1	4	...	...	...	...	...	1	2	1	1	...	...	...	2	8	28	18	10	20	5	4	49	11	19	7	16	5	...	13	...	2	1	...	...	...	2	46	95	123		
Trilobita	2	45	24	14	3	7	81	11	2	2	4	1	...	...	1	2	...	...	3	6	1	...	1	2	28	109	59	35	48	1	18	125	7	16	20	13	...	...	24	...	...	...	...	...	...	32	157	266			
Entomostraca	...	3	12	6	...	1	20	6	...	1	4	3	...	1	...	...	...	14	12	5	...	1	...	5	42	62	31	14	33	2	6	74	24	118	21	65	7	11	51	3	24	21	20	3	8	26	248	322	384		
Insecta	...	...	6	...	...	...	6	...	...	...	...	...	...	...	...	...	1	18	1	2	1	...	3	...	26	32	...	...	...	...	...	1	...	...	...	...	...	...	...	8	16	2	7	8	...	42	42	74			
Myriopoda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	4	...	1	...	1	...	10	10	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	1	...	6	6	16			
Polyzoa	...	24	24	5	2	1	54	6	2	19	28	15	1	...	12	3	...	2	...	...	1	9	...	...	92	146	10	41	11	6	4	64	24	85	40	57	5	7	9	69	2	1	4	...	...	2	283	347	493		
Brachiopoda	53	125	162	85	11	48	388	117	33	70	60	94	8	...	32	89	...	25	24	86	10	25	4	8	491	879	92	155	113	16	69	307	90	178	123	162	16	36	255	11	16	3	4	...	...	...	384	691	1570		
Monomyaria	7	15	32	28	1	4	79	35	2	11	8	6	...	...	10	6	...	9	4	33	6	7	2	...	127	206	47	61	78	8	26	168	73	95	55	67	20	24	110	12	13	8	2	4	...	...	...	263	431	637	
Dimyaria	1	63	171	76	10	37	284	114	13	15	24	18	2	...	11	10	5	25	18	71	16	10	2	10	324	608	106	157	142	20	20	396	95	170	93	170	33	37	198	5	49	23	31	9	...	17	500	896	1504		
Heteropoda	2	15	20	5	4	1	45	20	2	7	6	5	...	...	...	5	...	5	2	13	1	3	...	2	57	102	43	33	19	5	7	93	6	35	21	24	...	1	42	...	6	1	1	...	...	2	51	144	246		
Gasteropoda	13	84	53	21	4	10	165	52	5	12	47	27	4	...	9	13	...	54	6	61	1	12	2	8	271	436	45	268	169	5	31	456	63	207	101	225	18	9	228	1	1	4	...	3	1	2	403	859	1295		
Cephalopoda	...	40	34	17	5	5	91	57	...	5	12	...	...	...	3	4	...	11	13	29	2	1	3	3	129	220	73	131	307	11	55	467	61	125	50	112	10	10	150	23	52	8	5	2	4	31	281	748	968		
Pisces	...	28	5	12	2	2	45	48	43	52	53	103	1	...	...	17	...	60	14	33	3	...	...	...	393	438	58	148	39	7	11	241	57	148	33	13	12	17	66	5	80	41	29	32	12	18	395	636	1074		
Reptilia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	50	14	...	...	1	...	...	65	65	...	...	...	...	...	...	2	...	...	...	...	...	...	...	26	2	13	1	3	...	47	47	112		
Incertæ sedis	...	...	...	4	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	2	3	...	2	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	8		
	94	610	821	300	56	166	1805	533	483	289	359	420	22	3	139	206	32	760	306	540	58	71	73	159	3723	5528	757	1319	1185	103	328	3036	797	1503	691	1099	245	208	1331	155	729	704	500	130	160	530	5000	8006	13624		

Note.—Throughout this Table the actual number of species is obtained by subtracting recurrences from the sum of the species in the sections.

SHORT NOTES

ON

THE FIRST CONSPECTUS,

AND A

FEW SUBJECTS CONNECTED WITH IT.

GREAT as is the number of the Devonian and Carboniferous fossils contained in this Conspectus, it is the produce of a search every way limited. Vast numbers are still buried in the rocks, for nearly every new locality rewards the collector with an harvest of new forms.

In dealing with North America the Conspectus is divided into twenty-six sections. Seventeen of these represent the successive horizons of this double epoch, each giving the number of species met with in it. Nine sections make general statements about recurrences, doubtful horizons, &c.

Seven sections are allotted to the Devonian period; four mark horizons of time with their fossils, while the remaining three contain other facts of importance. The Carboniferous period of this hemisphere, in like manner, is divided into thirteen sections of ascending time, and five for general statements. The totals are, unexpectedly, much below those of the Old World.

In Europe the Devonian is divided into six sections, three referring to horizons and three to certain results; while the Carboniferous is in ten time-sections and five for results.

The line of figures crossing the page horizontally shows the number of species in the horizons, with the total at the end. The perpendicular columns give the species composing the nineteen orders &c. in their horizons as they actually occur.

Animal life is seen, in this Table, to much prefer limestone or calcareous shale as an abiding-place, while plant-life is confined to mixed carbonaceous shales. When oscillations have placed Coal-measures and their vegetation in great thicknesses of limestone, still the latter is imbedded in shale. Neither plants nor animals have always lived where they are now found. "This occurs," says Hall of Albany, "beautifully in the Hamilton Group of New York; but it is not very common."

Looking at this Conspectus of nearly 14,000 species, life seems to be equably distributed; the printed page is loaded with figures; but it is not so in nature. The many necessities of living beings lead to their assembling in places yielding food, warmth, and security. There are large masses of strata, therefore, which are mere deserts.

That the horizons of many species are uncertain need not create surprise. This usually occurs in what is brought from remote and hastily visited countries. Errors, too, may be made both at home and in the field.

Any expected increment or decrement of species in these formations disappears from the Conspectus, because the materials for the sections are derived from local events separated in kind, time, and place, and so an appearance of irregularity or capriciousness arises. There is, however, some degree of order in most parts of the Table in a marked tendency. We perceive the middle sections to be richest in life; next comes the lowest, followed by the upper section. On the side of Europe this is less distinct.

Of the nineteen classes and orders of this Table, the following are the most prolific, as far as is now known (each order presenting forms and shapes peculiar, many beautiful, all perfect, and only once created):—

Orders.	America.	Europe.
PLANTE	963	1571
ECHINODERMATA	877	438
BRACHIOPODA	879	691
DIMYARIA	608	896
GASTEROPODA	436	859

The Devonian Period.—We know (with D'Archiac*) so much of the great formations as not to consider them unities simple, and divisible everywhere into the same number of parts of equal value, but quite the contrary; so it is with the epochs under consideration.

This period is universal, with local differences in general character and in fossils; some of these are, for the present, typical. As one example of its vast extent, we know that, rich in fossils, it extends in wavy sheets from the eastern border of the United States to the extreme west of Arctic America, and is found (Captain Feilden) lining the shores of the Polar basin.

The relations of the Devonian beds with the Silurian are both conformable and transgressive; but their common fossils are very few. Thomas Davidson, F.R.S., finds only five English Silurian Brachiopoda in Devonian†. Milne-Edwards and Haime‡ know of only eight species of Silurian Cœlenterata which form a part of their 400 Devonian. Robert Etheridge, F.R.S.§, collects thirteen species, seven fish and six Crustacea, common to these two epochs, all from Ludlow and the Welsh borders, without being accompanied by one more Silurian species.

In reviewing a MS. of my own on the fossils common to Silurian and Devonian, the late Mr. J. W. Salter, then Palæontologist to the Geological Survey of Great Britain, found twenty-five fossils in this unusual position. But they come from New York, Pennsylvania, North-west Arctic America, Russia and the Ural, Esthonia, Bohemia, Germany, Eifel, France, England; they are (as brought down, in 1878, to sixteen) as follows:—

Fossils common to Silurian and Devonian. By R. ETHERIDGE, F.R.S. (MS.)

<i>Cerriopora granulosa</i> , Goldf. D., Eifel.	<i>Meristella oblata</i> . S., New York. D., N.W. Amer.
<i>Glauconome disticha</i> , Goldf. D., Eifel.	<i>Spirifer lenticulus</i> . S., D., Russia.
<i>Atrypa reticulata</i> . S., N. Amer. D., Europe.	<i>Strophomena rhomboidalis</i> . S., D., N. Amer.
<i>Chonetes sarcinulata</i> . S., Wales. D., Eifel.	<i>Terebratula Eucharis</i> . S., D., France.
<i>Leptæna depressa</i> . S., D., Europe.	— <i>explanata</i> . S., Gothland. D., Refrath (Prussia).
— <i>Bohemica</i> . S., Bohemia. D., France.	— <i>Haidingeri</i> . S., D., France.
— <i>clausa</i> . S., France. D., Spain.	<i>Euomphalus canaliferus</i> . S., D., Bohemia.
<i>Meristella cylindrica</i> . S., New York. D., N.W. Amer.	<i>Orthoceras calamiteus</i> , <i>Schloth.</i> S., Ural. D., Eifel.

The Conspectus shows that the Devonian of North America holds in tolerable abundance fourteen of the nineteen orders. Three are absent and two very nearly so. Much the same is the case in Europe and the Old World.

In America we see the Devonian commencing with 94 species, mostly first appearances, and few, because it receives little from an expiring epoch, and because of its quartzose composition. In Europe, it counts at its base 757 species, principally derived from five orders; and the total numbers are nearly twice those of the Devonian of America.

* Progrès, iv. 2.

† Bronn, *Lethæa Geogn.* i. 305.

‡ Bronn, *Lethæa Geogn.* i. 305.

§ Quart. Journ. G. S. L. xxiii. 614.

The growing dimensions of this volume, already too large, warns me now to stop, and to postpone any remarks on the Carboniferous formation to another opportunity.

A few brief paragraphs must, however, be allowed for recurrence, a very prominent feature in the life of all epochs.

A fossil (whether genus or species) is said to recur when it ascends into an upper horizon. This is commonly at short range; but it can often be traced into three, four, or five horizons. In species the transaction is complex and delicate. Some very few genera appear throughout the great sedimentary column. Removal horizontally is dispersion; and it is produced in many well-known ways.

Recurrence takes place by migration or transport, under circumstances occasionally very interesting. (See the Silurian Colonies of Bohemia described by M. Joachim Barrande.)

The birthplace (as announcing the first appearance) of a fossil is a point of great palæontological importance. It is never certain, although it may become useful to take for granted that it is known. We are not acquainted with any transitional or imperfect creatures.

A recurring species must often be useful in filling up gaps in the construction of communities; but it loses its value as a type either of time or space.

In all or most of the orders recurrence is exercised far less vigorously in America than in Europe, if this 'Thesaurus' can be trusted; and it has been drawn up under singular advantages, and very carefully. The extinct life now under consideration, endowed truly with marvellous beauty and variety, innumerable in individuals, scattered about with remarkable equability*, does not seem to have the same vigour or tenacity of life as their European kindred (not brethren), or they may have had to contend with conditions much more adverse.

These statements are fully confirmed by the Plantæ, Cœlenterata, Crinoidea, and other orders, each having its own amount of recurrence†. I subjoin the following little Table as giving some idea of the recurrence now dealt with:—

Carboniferous Recurrence.

Orders.	AMERICA.			EUROPE.		
	Total Species.	Recurrence.	Ratio.	Total Species.	Recurrence.	Ratio.
CELENTERATA	89	11	$\frac{1}{8}$	318	87	$\frac{2}{7}$
POLYZOA	92	3	$\frac{1}{31}$	283	11	$\frac{1 \frac{1}{2}}{28}$
GASTEROPODA	271	21	$\frac{1}{13}$	403	230	$\frac{2 \frac{3}{4}}{6}$
CEPHALOPODA	129	7	$\frac{1}{18}$	281	181	$\frac{2}{3}$
Total	581	42		1285	509	

* Professor Pumpelly, State Geologist, found, in his allotted portion of Missouri, *Athyris subtilita* in 87 places, *Spirifer cameratus* in 81, *Chonetes* (five species) in 72, *Productus* (twelve species) in 322, &c. (PUMPELLY, Report, 1873, p. 427.)

† It may be that the American collectors did not sufficiently attend to this point; but the geologists quoted here were well instructed, eager, and careful.

A SECOND NUMERICAL CONSPECTUS OF DEVONIAN AND CARBONIFEROUS SPECIES.

Not admitted into the first, from having been received too late. See 'Thesaurus,' pp. 370-426 j.

CLASSES and ORDERS.	Addenda I., pp. 414-421.	Australian Species. — De Koninck, 1877.	First Supplementary Table, pp. 370-411.	Addenda II., or Second Supplementary Table, pp. 426 a-426 j.
	Devonian.	Carboniferous.	Carboniferous.	Carboniferous.
Plantæ.....	None.	None.	137	1
Amorphozoa.....	8	"	None.	None.
Foraminifera.....	None?	"	"	"
Cœlenterata.....	146	14	26	17
Echinodermata.....	5	3	17	58
Annelida.....	None.	None.	1	3
Crustacea.....	"	5	8	12
Trilobita.....	12	"	9	3
Insecta.....	None.	None.	8	3
Myriopoda.....	"	"	None.	1
Polyzoa.....	2	8	22	4
Brachiopoda.....	11	21	150	31
Monomyaria.....	5	18	34	7
Dimyaria.....	3	79	107	6
Heteropoda.....	24	None.	10	None.
Gasteropoda.....	42	17	38	5
Cephalopoda.....	44	2	23	3
Pisces.....	21	3	15	11
Reptilia.....	1	None.	None.	None.
Incertæ sedis.....	None.	"	"	"
Totals.....	324	172	605	165

This list of species occurring in the epochs now under consideration, but not as yet introduced into either the Conspectus or the 'Thesaurus,' gives the large addition of 1266 species. As the former contains 13624, the grand total of known species here becomes 14890, living in communities and sporadically (separated both in time and in space).

The reception of new material cannot be declined. In the rapid growth of this new science, after-accumulations may be inconvenient, but they must be received thankfully.

This little Table is variously indebted; but principally to James Hall, of Albany, and to the distinguished men who conducted for many years the great survey of Illinois.

From the learned pages of a recent work of M. L. De Koninck, on the Carboniferous Fossils of Australia, has been constructed the second column of this Table. Four new and remarkable genera (*Tribrachyacrinus*, *Clarkea*, *Eurydesma*, and *Urosthene*s) are met with here. It is the highly valuable contribution of a faithful and fertile pen*.

Sixty-three species of these Cœlenterata are mostly from Michigan—all being American. They are described by Dr. Carl Röminger, of St. Louis, Missouri, and admirably illustrated. (See Geol. Report, Michig. iii. 1876, Carl Röminger, State Geologist.)

* Recherches sur les Fossiles Paléozoïques de la Nouvelle-Galles du Sud (Australie). Par L. G. De Koninck. Bruxelles, 1877.

DEVONIAN AND CARBONIFEROUS FORMATIONS.

Species common to America and Europe.

CLASSES and ORDERS.	AMERICA AND EUROPE.				
	DEVONIAN.		CARBONIFEROUS.		
	Common.	Total known.	Common.	Doubtful.	Total known.
Plantæ	5	287	144	21	2248
Amorphozoa	2	21	1	2	20
Foraminifera	...	?	10	1	78
Cœlenterata	22	479	13	4	407
Echinodermata	1?	329	2	3	986
Annelida	...	69	...	2	54
Trilobita	3	206	...	...	60
Crustacea	...	82	2	2	290
Insecta	...	6	...	...	68
Myriopoda	...	...	1	...	16
Polyzoa	2	118	2	1	375
Brachiopoda	30	695	40	10	1263
Monomyaria	3	247	2	...	390
Dimyaria	6	680	6	6	824
Pteropoda	1	138	3	1	108
Gasteropoda	5	621	5	11	674
Cephalopoda	3	558	5	6	410
Pisces	3	286	2	3	788
Reptilia	...	...	1	...	112
Incertæ sedis	...	8	?	?	?
Totals	86	4830	239	73	9171

A species to be considered common to America and Europe must be vouched for by a competent observer, and referred to one and the same describer in both regions; and the proof will be greatly strengthened by the species being usually on the same horizon.

The species treated as doubtful have two describers or reporters, the one being American (good authority probably) and the other European, as Brongniart, Göppert, or Lindley, &c. Hence the doubt as to identity.

The most striking feature in this Table is the extreme fewness of the species common to the two hemispheres. This will not be wondered at when we remember that the mutual relations and equivalencies of the coal-bearing strata of North America are not yet satisfactorily ascertained, and very much less known are those of America with Europe; but it is generally agreed that these vast basins were formed at periods of time and under circumstances very different, and of materials varying both in kind and treatment. Any intercourse between the east and the west seems to have been very rare, if at all possible.

This Table appears to show that the species of the lowest organic rank are the most frequently found in widely separated countries, as Plantæ (1 in 15), Amorphozoa (1 in 8 or 10), Foraminifera (1 in 7); while the higher orders, Insecta, Crinoids, Pisces and Reptiles, Monomyaria, &c., rarely remove from their native place—east or west.

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ECHINODERMATA	218, 384, 426 <i>a</i> , 426 <i>g</i>
ANNELIDA	242, 386, 426 <i>g</i>
CRUSTACEA.	
Phyllopoda and Ostracoda	244, 387, 426 <i>c</i> , 426 <i>h</i>
Trilobita	254, 388, 426 <i>h</i>
INSECTA	256, 388, 426 <i>c</i>
MYRIOPODA	258, 388, 426 <i>c</i>
POLYZOA	260, 390, 426 <i>c</i> , 426 <i>h</i>
BRACHIOPODA	266, 390, 426 <i>d</i> , 426 <i>i</i>
LAMELLIBRANCHIATA.	
Monomyaria	284, 398, 426 <i>d</i>
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PRINTED BY TAYLOR AND FRANCIS,
RED LION COURT, FLEET STREET.