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PETER HENDERSON & CO'S

MANUAL OF

EVERYTHING

GARDEN

FOR THE

1885

PETER HENDERSON & CO.

SEEDSMEN & FLORISTS.

35 & 37 Cortlandt Str.

NEW-YORK.

PETER HENDERSON'S Books on Gardening

ARE DESCRIBED BELOW FOR THE BENEFIT OF THOSE WHO HAVE NOT YET SEEN THEM.

GARDENING FOR PROFIT

Is offered for the instruction of those intending to begin the business of Market Gardening or Trucking. This book has probably enjoyed a larger sale than any work ever published on the subject of Horticulture, nearly 100,000 copies having been sold. First published in 1866. Second edition in 1873.

The subjects of its contents are:

The Men fitted for the Business.—Amount of Capital required and Working Force per Acre.—Profits of Market Gardening.—The Market Gardens near London.—Location, Situation and Laying Out.—Soils, Drainage and Preparation.—Manures.—Implements.—The Uses and Management of Cold Frames.—The Formation and Management of Hot-beds.—Forcing Pits and Green-houses.—Seeds and Seed raising.—How, When and Where to Sow Seeds.—Transplanting.—Packing of Vegetables for Shipping.—Preservation of Vegetables in Winter.—Insects.—Vegetables; their Variety and Cultivation.—Monthly Calendar of Operations.

Sent post-paid on receipt of \$1.50.

PRACTICAL FLORICULTURE

Was written to teach how flowers and plants can best be "grown for profit." It is a satisfaction for us to know that it has been the means of establishing thousands in a pleasant, and in a majority of cases profitable business. First edition in 1868; second in 1873, and third in 1878.

Its contents embrace:

Aspect and Soil.—Laying out the Lawn and Flower Garden.—Designs for Ornamental Grounds.—Planting of Flower Beds.—Soils for Potting.—Temperature and Moisture.—The Potting of Plants.—Cold Frames; Winter Protection.—Construction of Hot-beds.—Green-house Structures.—Green-houses attached to Dwellings.—Modes of Heating.—Base Burning Water Heater.—Propagation of Plants by Seeds.—What Varieties come true from Seed.—Propagation of Plants by Cuttings.—How Plants and Flowers are Grown.—Propagation of Lilies.—Culture of the Rose.—Culture of the Verbena.—Culture of the Tuberose.—Orchid Culture.—Holland Bulbs.—Cape Bulbs; Varieties and Culture.—Culture of Winter-Flowering Plants.—Construction of Bonquets, Baskets, etc.—Wire Designs for Cut Flowers.—Hanging Baskets.—Parlor and Window Gardening.—Wardian Cases, Ferneries, etc.—Formation of Rockwork.—Insects.—Are Plants Injurious to Health?—Nature's Law of Colors.—Packing Plants.—Plants by Mail.—The Profits of Floriculture.—How to Become a Florist.—Short Descriptions of Soft Wooded or Bedding Plants of the Leading Kinds.—What Flowers will Grow in the Shade.—Green-house and Stove or Hot-house Plants.—Annuals, Hardy Herbaceous, Perennial and Biennial Plants, Ornamental Shrubs and Climbers.—Culture of Grape Vines under Glass.—Diary of Operations for Each Day in the Year.

Sent post-paid on receipt of \$1.50.

GARDENING FOR PLEASURE

Is designed to meet the wants of those desiring information on Gardening for private use, and who have no desire to make it a business. The scope of subjects in this book is naturally greater than either of the preceding, as it embraces directions for the propagation and culture of Flowers, Vegetables and Fruits. Published in 1875.

Its contents include:

Soil and Location.—Drainage.—Preparation of the Ground.—Walks.—Manures.—How to Use Concentrated Fertilizers.—Special Fertilizers for Particular Plants.—

The Lawn.—Design for Garden.—Planting of Lawns and Flower Beds.—Fall or Holland Bulbs.—Propagation of Plants by Seeds.—Propagation of Plants by Cuttings.—Propagation by Layering.—About Grafting and Budding.—How Grafting and Budding are Done.—Treatment of Tropical Bulbs, Seeds, etc.—The Potting of Plants.—Winter-Flowering Plants.—Unhealthy Plants; the Remedy.—Plants Suited for Summer Decoration.—Hanging Baskets.—Window Gardening.—Parlor Gardening; or, the Cultivation of Plants in Rooms.—Wardian Cases.—Ferneries.—Jardinieres.—Winter-Forcing the Lily of the Valley.—Green-houses attached to Dwellings.—A Detached Green-house or Grapery.—Heating by Hot Water.—Green-house Pits without Artificial Heat.—Combined Cellar and Green-house.—Hot-beds.—Shrubs—Climbers and Trees.—Hardy Herbaceous Perennials.—Annual Flowering Plants.—Flowers which will Grow in the Shade.—Insects.—Mildew.—Frozen Plants.—Mulching.—Are Plants in Rooms Injurious to Health?—Shading.—The Laws of Color in Flowers.—Pruning.—Hardy Grapes.—Cold Grapery.—The Hot-house or Forcing Grapery.—The Strawberry.—Cottage Gardening; a Digression.—The Vegetable Garden.—Garden Implements.—Monthly Calendar of Operations.

Sent post-paid on receipt of \$1.50.

GARDEN AND FARM TOPICS

Embraces a series of essays (named below), giving special information on the subjects named. This book also contains a steel portrait of Peter Henderson. Published in this form in January, 1884.

Popular Bulbs and their Culture.—Window Gardening, and care of Plants in Rooms.—Propagation of Plants.—Rose Growing in Winter.—Green-house Structures and Modes of Heating.—Formation and Renovation of Lawns.—Onion Growing.—How to Raise Cabbage and Cauliflower.—On the Growing and Preserving of Celery.—The New Celery.

"White Plume."—Strawberry Culture.—Root Crops for Farm Stock.—Culture of Alfalfa or Lucern.—Manures and their Modes of Application.—Market Gardening around New York.—The Use of the Feet in Sowing and Planting.—Popular Errors and Scientific Dogmas in Horticulture.—Humbugs in Horticulture.—Draining.

Sent post-paid on receipt of \$1.50.

HENDERSON'S HAND-BOOK OF PLANTS.

This new work is designed to fill a want that many amateur and professional Horticulturists have often felt—the need of a concise yet comprehensive Dictionary of Plants.

Its scope embraces the Botanical Name, Derivation, Linnæan and Natural Orders of Botany of all the Leading Genera of Ornamental and Useful Plants, up to the present time (comprising every plant of importance relating to the mechanic arts, as well as to the green-house and vegetable garden), with concise instructions for propagation and culture. A valuable feature of this book, particularly to amateurs, is the great care that

has been given to obtain all known local or common names; and a comprehensive glossary of Botanical and Technical terms is also given, which will be found of great value even to the experienced Horticulturist.

Instructions for the culture of many important plants have been given at length.

It is a large octavo volume of 412 pages, printed on fine white paper and handsomely bound in cloth.

Sent post-paid on receipt of \$3.

Any of the above books may also be obtained without cost as Premiums on orders selected from this Manual. For conditions please refer to the page headed "Peter Henderson's Books can be had Free."

PETER HENDERSON & CO.,

35 & 37 Cortlandt Street, New York.

While we exercise the greatest care to have all Seeds pure and reliable, we do not give any warranty expressed or implied. If the purchaser does not accept the Seeds on these conditions, they must be returned at once.—P. H. & Co.

ORDER SHEET FOR SEEDS, ETC.

PETER HENDERSON & CO., 35 & 37 Cortlandt St., New York.

Forward to:

Name of Person, Enclosed is Cash, \$
“ Post Office, “ Draft, \$
“ Express Office (IF DIFFERENT FROM P. O.), “ Post Office Order, \$
“ County, or C. O. D., \$
“ State, Date, 1885.

Please do not write here—this space is for filing.

SPECIAL NOTICE.—On VEGETABLE SEEDS to be SENT BY MAIL, in quantities of ONE-QUARTER LB. AND UPWARD, POSTAGE must be ADDED to Catalogue Prices at the rate of 16 CENTS PER LB. In the case of BEANS AND PEAS, PLEASE ADD 30 CENTS PER QUART, and on Corn 20 CENTS PER QUART to Catalogue Prices for MAILING.

If more than one Express Company runs to your place, please designate which we shall ship by.

QUANTITY	ARTICLES	PRICE

❧PETER HENDERSON & CO.'S❧

MANUAL OF

EVERYTHING FOR THE GARDEN,

FOR 1885.

In placing before you our new Manual for 1885, and soliciting your orders therefrom, we first of all desire to acknowledge our full appreciation of the very generous patronage given us in past seasons, and to draw the attention of those who have not before dealt with us to the following advantages we possess as growers and dealers:

1st. The fact that we can supply every want of the cultivator in *Seeds, Plants, Implements, Fertilizers, etc.*—in short, as our trade mark expresses it, “Everything for the Garden.”

2d. That offering, as we do, all needed articles for the *Garden, Green-house* or *Farm*, enables patrons to have all their goods shipped in one package, or at least at one time, thus saving largely in express or freight charges.

3d. That we were the first American seed house to inaugurate a practical and complete system for testing Seeds, which we were enabled readily to do from our possessing extensive green-houses and grounds, which gave and still gives us opportunities, at all seasons, to carry on the practice.

4th. That these tests are conducted by ourselves, and as we claim a thorough practical knowledge of our business, it will be seen that the personal supervision of these Seed tests must result in great mutual benefit.

5th. That samples of all Novelties, as they appear, in *Vegetables* and *Flowers*, are grown in our experimental garden, and if deemed valuable are offered in succeeding seasons. This practice has a two-fold advantage, as it enables us not only to retain, but also to discard “Novelties” with which, in our opinion, it is worse than useless to fill our lists.

6th. Our new and improved system of green-houses covers nearly four and one-half acres solid in glass, unquestionably the most extensive on this Continent. These structures are so arranged that they can be graded to any temperature, so that the most perfect health and vigor is given to the Plants, and with such unequaled facilities for their production, it will be quickly seen that we can compete with any in the matter of prices.

7th. That we guarantee the safe arrival of all goods, whether forwarded by mail or express.

8th. That in offering our various Books on Gardening, as premiums on orders, we make (see page 4) practically an average discount of fifteen per cent. from the prices named in this Manual, and this should always be remembered if a comparison of prices is made. In this connection we may be pardoned if we digress far enough to say that it is a great satisfaction for us to know that the books referred to, written by our Mr. Peter Henderson, have not only enabled thousands of amateurs to practice successfully in the field of Horticulture, but that his works have also been the direct means of causing thousands to embark as market gardeners and florists, and in thus opening up and pointing the way to successful culture, we are justified in claiming, that these books have since their first publication added millions of dollars to the wealth of the nation.

9th. That except in rare cases, all orders for *Seeds and Plants* are forwarded *the day after they are received by us*. We have reason to know that our promptness in this respect, particularly in the dispatching of Seeds, is fully appreciated.

10th. Finally, after the above array of facts, there still remains the inducement, that you can always buy anything here offered as cheaply from us as from sources that do not possess the advantages we certainly hold. So that if in doubt where to send your orders, we feel that we can urge you to make a start with us, and see whether the care we claim to exercise is not made manifest in the most satisfactory results.

THE PRACTICAL TESTING OF SEEDS,

as carried on in our Green-houses and in the open ground, has proved to be of the utmost value, both to ourselves and to those to whom we sell. In this practice we claim to be pioneers, for when, in 1872, we first made known our practical way of testing seeds, our contemporaries attempted to laugh it down, apparently supposing it to be merely an advertising dodge; but after a few seasons it

SEED TESTS IN GREEN-HOUSE.

became noised abroad that the results of this practice were proving exceptionally beneficial to us, so that to-day as one result there is scarcely a seed house in the country but what claims to do the same thing. The small illustration here given is a reproduction of a section of our Seed Testing Green-house as it appears during the winter and early spring. All these tests are carried on under the personal supervision of PETER HENDERSON and the other members of the firm, and, as the author of "*Gardening for Profit*" has had as long and as varied an experience as most men in operations connected with the soil, it will be seen that we are placed in a position to judge not only as to the

germinating qualities, but, what is of far more importance, the purity of, and the kinds of seeds best suited for all gardening purposes.

About Warranting Seeds.—The question is repeatedly asked us if we guarantee or warrant Seeds. *We beg to state most emphatically that we do not*, and our employees have strict orders never to do so in any case. Though well believing that the Seeds we offer are unsurpassed in quality, yet our practical experience of many years as Market Gardeners and Florists has fully assured us of the fact that crops may fail, no matter how fresh or pure the Seed sown to produce them may be. Failure of germination of Seed may result from causes that the utmost care from the most experienced cultivators cannot control, and the maturing of crops also repeatedly fails, so as to be a total loss, from causes that no human power can avert. Hence, to guarantee Seeds to invariably produce a perfect crop would be little short of quackery.

Novelties in Seeds and Plants have always been a prominent feature with us, and we can look back with considerable satisfaction, and see how large a proportion have become permanent additions to existing lists, both in this country and in Europe. This season it will be seen we make two classifications of Novelties and Specialties in Vegetable Seeds, the first comprising only such varieties as we offer this year for the first time. In the second division will be found Novelties of last Season, as well as Specialties of our own, whose great value justify us in calling attention to them repeatedly.

Our Flower Seed Department will be found to contain everything deserving a place in the Garden. Many of the choicest varieties are saved each season at our grounds and Green-houses in Jersey City, where also all varieties in this line, as they appear, are given a fair trial, and when considered desirable additions, find a permanent place in our Catalogues. Besides our list of "Novelties and Specialties in Flower Seeds," our General List embraces many scarce and odd varieties not usually found in other lists.

Our Gardens & Green-houses in Jersey City are within forty minutes' time, by Ferry Boat and Horse Cars, from our Seed Stores, 35 & 37 Cortlandt Street, New York, where a card with plain directions of "How to reach the Nursery" will be given to any one applying. A view of the Green-house portion of our establishment will be found on cover of this Manual. Parties wishing to see Peter Henderson personally will find him at the Green-houses till 12 M., and at his office in New York from 1 to 3 P. M.

Seeds and Plants for Export.—Our trade now extends far beyond the confines of this continent, our goods being sent to all parts of the globe. This export business, especially in Seeds, has with us reached such proportions that we pay special attention to all such orders, giving particular care to the packing and forwarding.

Answers to Correspondents.—We are in receipt of hundreds of letters annually, asking for information on subjects connected with Horticulture. These we shall always be pleased to answer, provided that each question is put clearly by itself, leaving a sufficient blank space beneath the question for our answer. This plan not only saves us time, but the answer is more intelligible to the party in want of the information; and unless inquiries are so put, we shall not consider ourselves required to reply, as we have no time to read long letters.

PETER HENDERSON'S BOOKS MAY BE HAD FREE

in the shape of premiums on orders made up from this Manual. The terms and conditions necessary to secure the books are given in detail below, and customers are requested to read the conditions of our offers carefully. We adopted this plan of offering our books a dozen years ago, and in that time have probably distributed 50,000 copies in this way alone. A short account of the scope of each book will be found at bottom of this page, but all will be found more fully described on the inside pages of the cover of this Manual.

OFFER No. 1.

On all orders from this Manual, accompanied by the money, amounting to \$5.00 and upward (in one order), the purchaser can obtain, without charge, "*Garden and Farm Topics*." (Value, \$1.50.)

OFFER No. 2.

On all orders from this Manual, accompanied by the money, amounting to \$10.00 and upward (in one order), purchasers can obtain without charge their selection of either "*Gardening for Profit*," "*Practical Floriculture*," or "*Gardening for Pleasure*." (The value of which is \$1.50 each.)

OFFER No. 3.

On all orders from this Manual, accompanied by the money, amounting to \$20.00 and upward (in one order), purchasers may select any two of the three books named in Offer No. 2, or instead a copy of "*Henderson's Hand-book of Plants*" (value \$3.00), or if they desire, a copy of the new Farm Book, "*How the Farm Pays*." (Value, \$2.50.)

We have tried to make the terms so clear that there can be no misunderstanding, and we have only to add one more condition—but it is an imperative one—and that is, whenever an order is sent that carries any of our books as a premium, the book or books desired must be selected at the time, and if you fail in ordering to state the book you want, do not be disappointed if we fail to honor subsequent demands made for it.

Of the books named above, and offered as premiums :

Garden and Farm Topics.—Price \$1.50.—Contains steel portrait of the author, and embraces within its scope the following subjects :

Popular Bulbs and their Culture.—Window Gardening, and care of Plants in Rooms.—Propagation of Plants.—Rose Growing in Winter.—Green-house Structures, and Modes of Heating.—Formation and Renovation of Lawns.—Onion Growing.—How to Raise Cabbage and Cauliflower.—On the Growing and Preserving of Celery.—The New Celery, "White Plume."—Strawberry Culture.—Root Crops for Farm Stock.—Culture of Alfalfa or Lucern.—Manures and their Modes of Application.—Market Gardening around New York.—The use of the Feet in Sowing and Planting.—Popular Errors and Scientific Dogmas in Horticulture.—Humbugs in Horticulture.—Draining.

Gardening for Profit.—Price \$1.50.—Gives in comprehensive detail our twenty-five years' experience in Market Gardening. If you wish to grow vegetables for sale, you need this book. (In cloth, illustrated.)

Practical Floriculture.—Price \$1.50.—Gives up to date our whole experience in the Propagation and Growing of Plants during the past thirty years. This work is a complete guide for those intending to become *Commercial Florists*. (In cloth, illustrated.)

Gardening for Pleasure.—Price \$1.50.—Is a concise compendium, giving plain details for the culture of Fruits, Flowers, Vegetables, and General Gardening. For the use of Amateur Cultivators. (In cloth, illustrated.)

Henderson's Hand-book of Plants.—Price \$3.00.—Is a condensed encyclopedia of 412 pages, giving botanical classification, propagation and culture of nearly every known plant in cultivation, either ornamental or useful. Invaluable as a book of reference. (In cloth.)

How the Farm Pays.—Price \$2.50.—A new, practical and instructive book on American farming, 400 pages, 235 illustrations. See details on inside cover of this Manual. (In cloth, illustrated.)

At this Point

we desire to call special attention to our announcement on third page of cover of an entirely new book on American farming, written by WILLIAM CRÖZIER and PETER HENDERSON, entitled

How the Farm Pays.

This work was only published last October, and already the agricultural press and individual endorsements of the great practical value of the book have been most gratifying and flattering.

In our announcement on the cover of this Manual of "*How the Farm Pays*," we have made a liberal extract from the introduction, as it gives a good idea of the peculiar and interesting manner in which this book is written. The book is an octavo volume of over 400 pages, containing 235 illustrations, is printed on heavy paper of the best quality and is strongly bound in cloth. The price is \$2.50 per copy, or, following our usual practice with books in which we are interested, it may be had as a Premium on orders from this Manual to the extent of \$20.00 and upward. For conditions, see page 4.

We offer liberal inducements to agents and clubs who will push the sale of "*How the Farm Pays*," and will send circular of "Terms to Agents" free on application.

Henderson's American Farmer's Manual is a Catalogue now for the first time published of such Seeds as are specially intended for Farm crops. It illustrates and offers at reasonable prices the best known and most desirable varieties in *Field Corn, Wheat, Oats, Rye, Barley, Mangel Wurzels and other Root Crops, Grasses, etc.* It is now ready and will be mailed free to all who apply.

How and When to Order.

This Manual is usually in the hands of our regular customers by January 10th, and it would greatly aid us in the execution of orders for Seeds if those intending to so favor us would forward their lists (if for Seeds or Implements, on Seed Order Sheet; and for Plants, made out on the Plant Order Sheet that accompanies this Catalogue) as soon after its receipt as possible. Not only are early orders a relief to us, but very often, from various causes, we cannot always accurately judge the probable demand, particularly in new things, and in consequence we often run out of many articles long before the planting season has passed by. When Plants are ordered, the same remarks, with some modification as to season, will apply, although we again reiterate what we have in previous Catalogues stated, that we now ship these tender and perishable goods all the year round. Our light mode of packing, a system originating with ourselves, obviates all danger of their not reaching customers in good order; at all events, we will guarantee their safe arrival when sent either by express or mail. The safe arrival of all Seeds is also guaranteed.

Postage on Seeds.—As we do a large local trade, in justice to those of our customers who buy at our counters, we have for several years based prices in this list on the purchaser adding postage when buying Seed in bulk to be sent by mail. The postage we exact is this: that when seeds are ordered to be mailed in quantities of $\frac{1}{4}$ lb. and upward, postage must be added to Catalogue prices at the rate of 16 cents per pound. As postage for Beans and Peas, please add 30 cents per quart; and to Corn, 20 cents per quart to Catalogue prices. But when ordered by the packet or ounce, either Vegetable or Flower Seeds will be sent by mail at Catalogue prices without extra charge.

About Forwarding and Remitting.—Every order is executed at once on its receipt, or a reason given why it has not been sent, so that parties ordering may know that if goods are not received in proper time, it is almost certain that the letter has not been received by us. Remittances should be made either in the form of a Money Order, Bank Draft, Express Order, or Registered Letter. Remittances in any other way are entirely at the sender's risk.

Peter Henderson & Co.,

35 & 37 CORTLANDT ST.,

NEW YORK.

PETER HENDERSON, }
JAMES REID }
ALFRED HENDERSON, }
CHARLES HENDERSON. }

NEW AND DESIRABLE VARIETIES IN VEGETABLE SEEDS

CATALOGUED
FOR THE FIRST TIME by Peter Henderson & Co.

Read what we say about Postage on Seeds, page 5.

HENDERSON'S EARLIEST RED VALENTINE BEAN.

While there are several varieties of Dwarf or Bush Beans that are earlier than the standard sort known as the Early Red Valentine, yet the old favorite possesses so many advantages over really earlier varieties, that it is much more largely grown than these—this, too, by men growing for market, with whom earliness in Vegetables is always the first consideration. So that in offering a *new* variety that retains all the best features of the Early Valentine with the advantage of being at least *ten days earlier*, we feel certain we are tending a variety that will promptly receive the appreciation it deserves.

50 cts. per qt.; \$3.50 per peck.

DWARF MONT D'OR BEAN.

This is claimed to be the earliest of the Dwarf wax varieties. The vine is stout and vigorous, and is profusely laden with yellow colored pods. The seeds in the dry state are almost black, and nearly round. (*See cut.*)

15 cts. per pkt.; 60 cts. per qt.;
\$4.00 per peck.

HENDERSON'S
EARLIEST RED
VALENTINE BEAN.

Copyright, 1884.

WONDER OF FRANCE BEAN.

WONDER OF FRANCE BEAN.

Probably the best of the newer dwarf French varieties. It is very early, and produces large quantities of long straight pods of the shape shown in the illustration. The leaves fall off just before the maturity of the pods, causing the latter to ripen very quickly. The beans are of a bright green color, retaining their fresh appearance when cooked.

15 cts. per pkt.; 60 cts. per qt.; \$4.00 per peck.

SOUTHERN PROLIFIC POLE BEAN.

A very desirable sort, much better known, and therefore more fully appreciated in the South than in other parts of the country. The pods are borne in clusters; and as it is fit for the table in 70 days, its rapid growth produces pods brittle and tender.

50 cts. per qt.; \$3.50 per peck.

MEDINA, OHIO, October 27th, 1884.

I bought a package of White Plume Celery seed last spring, and am highly pleased with the variety.

A. P. GI-EN.

FILDERKRAUT CABBAGE.

This somewhat resembles the well known Winningstadt, but is larger in every way, more pointed, and heads up with fewer outside leaves. Largely grown for making kraut.

5 cts. per pkt.; 20 cts. per oz.; 75 cts. per $\frac{1}{4}$ lb.; \$2.50 per lb.

ECLIPSE BEET.

A variety of recent origin, but one that has become very popular because of the following advantages. While it is just about as early as the Egyptian, it is better because it is larger and of much finer quality. It makes a small top and produces smooth growing, perfectly round Beets, the skin and flesh of which are of dark crimson color. The fact is, the merit of the Egyptian variety lies altogether in its extreme earliness, and just as soon as other varieties mature no one wants it, so that if we have a variety such as the "Eclipse," that is almost as early, with qualities that the Egyptian entirely lacks, it must to a large extent supplant it.

10 cts. per pkt.; 20 cts. per oz.; 60 cts. per $\frac{1}{4}$ lb.; \$2.00 per lb.

NEW DWARF VERY EARLY KALE.

A new sort of special excellence, being a very dwarf fine curled variety of a yellowish green color, growing very close to the ground.

10 cts. per pkt.; 30 cts. per oz.; 80 cts. per $\frac{1}{4}$ lb.; \$3.00 per lb.

HENDERSON'S NEW ROSE CELERY.

We hold the entire stock of this New Rose Celery, and which we now offer for the first time in the undoubted belief that it is certain to give universal satisfaction to all who will give it a fair trial. Celery is now one of the leading table ornaments, not only in our best hotels, but on private tables as well, and this new rose color combined with the "White Plume" (sent out by us for the first time last year), must add greatly to the adornment of the table. All who have had experience in the growing of Celery know that not only are all varieties that are tinged with red hardier and more solid, and hence better keepers in winter, but that they are always, under the same conditions, more crisp and superior in flavor to the varieties that blanch yellow or white. In Henderson's New Rose Celery we have a combination of all these best qualities, and a delicacy of shading in the beautiful rose coloring of the heart and stems that gives us something entirely distinct and valuable in this vegetable. We show this new variety in a Celery glass, ready for the table, and in this connection it may not be out of place to say that the flavor and crispness of all Celeries will be increased if they are soaked in ice cold water for a short time before serving on the table.

Price, 25 cts. per pkt.; 5 pkts. for \$1.00; per $\frac{1}{2}$ oz., \$1.75; per oz., \$3.00.

EXTRA EARLY MILAN TURNIP.

A remarkably early and distinct strap-leaved variety, coming into use before any other sort, being a week or ten days earlier than the ordinary early sorts. It is almost as early as the Purple Top Munich, but unlike that variety, which soon gets hot and bitter, this sort retains its good qualities, and remains a long time fit for use. The bulbs are white, with a purple top, round, flattened and solid, with a very slender tap root; flesh pure white, sweet, crisp, and of excellent quality; the leaves are strap-leaved, rather short, and the growth is very compact.

5 cts. per pkt.; 15 cts. per oz.; 50 cts. per $\frac{1}{4}$ lb.; \$1.50 per lb.

ANN ARBOR, Mich., March 4, 1884.
I must say to you that I never raised such Cauliflowers in my life, as I did last year from the Henderson's Early Snowball seed I got from J. H. ALLMAND.

Sweet and Field Corn.

GOLDEN DEW-DROP (FIELD)

HENDERSON SUGAR

QUEEN OF THE PRAIRIE (FIELD)

OFFERED BY

PETER HENDERSON & CO.

35 & 37 CORTLANDT ST.

NEW YORK.

HENDERSON SUGAR CORN.*(See colored plate.)*

While our colored plate illustrates the shape of the ear of this new variety of sugar corn, it scarcely conveys the true color, which has been difficult for the artist to catch. Our sketch was made while the corn was in a cured state. In the green or fresh condition, when ready for the table, the grains of this variety are always pure white and of remarkably sweet and rich flavor. The "Henderson" ripens about ten days earlier than the Stowell's Evergreen, and from our experience with it, we are certain that it will prove to be one of the most valuable sorts for canning purposes or for market that can be grown. Our illustration is only about three-fourths the natural size of the ears, which are always straight and very uniform in size. The kernels are of large size, and, as before said, of the finest flavor.

15 cts. per packet; 40 cts. per qt.; \$2.75 per peck.

OLD COLONY SWEET CORN.

An exceedingly sweet and wonderfully productive variety, averaging three ears on every stalk. The ears are of large size and always well filled. It ripens about the same time as Moore's Concord, perhaps a little later. Its distinctive value lies, however, in its sugary and tender flavor.

25 cts. per qt.; \$1.75 per peck.

FIELD CORN.

Field Corn properly belongs in this Catalogue under the head of "FARM SEEDS," but we describe here the varieties mentioned below because we have illustrated two of them in colored plate for 1885.

*(Add thirty cents per quart to these prices for postage.)***GOLDEN DEW-DROP.***(See colored plate.)*

Our portrayal of this in colored plate is almost an exact reproduction, both as to size and color. The Golden Dew-drop is a most reliable sort for northern planting, as it grows quickly and matures early. It is what is known as a flint variety, is eight-rowed, looks a little like the Canada Yellow, but the grain is brighter in color. As a rule, the flint varieties are not as good yielders as the dent sorts, but the Golden Dew-drop produces two and three ears to the stalk. The stalks will average six feet in height. As will be seen, the grains are of good size, while the cob is small and white.

15 cts. per qt.; 75 cts. per peck; \$2.50 per bushel.

QUEEN OF THE PRAIRIE.*(See colored plate.)*

One of the most valuable and reliable varieties of dent corn that we know of. The specimen shown in our plate is a fair average sized ear. The stalk usually attains a height of from six to seven feet, bearing one or two good ears of from fourteen to sixteen rows each. In this latitude it has matured a full crop in less than ninety days.

15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

GOLDEN BEAUTY.

We offered this new variety for the first time last season and we are pleased to say that all the reports we have had in regard to it fully sustain the claims with which it was put forth. To those who have never seen it we would say, that it is certainly one of the most beautiful varieties of field corn ever cultivated. The ears are of perfect shape, with from ten to sixteen straight rows of bright golden grains of the largest size, which are filled out to the extreme end of the cob. Its richness of color and fine quality make it very superior for grinding into meal. The grains are not of the hard, flinty type. Neither are they so soft as to be shriveled, as in the Golden Dent. It is easily shelled, and is in every respect seemingly a perfect type. It is a vigorous grower, attaining from eight to ten feet in height, and each stalk produces from one to two ears. Matures as early as most varieties of Golden Dent, and surpasses all in size, appearance and productiveness. It has produced one hundred bushels of shelled corn per acre under ordinary culture in Pennsylvania.

20 cts. per qt.; 75 cts. per peck; \$2.50 per bushel.

NEW LETTUCE, OAK-LEAVED.

A most distinct and beautiful new variety of Lettuce, offered for sale this season for the first time. The illustration will show the peculiar outline of the leaves, which are shaped like those of the oak. The heads are compact, crisp and tender, and it is largely free from that bitter taste peculiar to so many kinds of lettuce. It is claimed also that it is very slow in running to seed, which, if true, will prove a valuable characteristic.

15 cts. per packet; \$2.00 per oz.

OAK-LEAVED LETTUCE.

I want to say a good word for your Sealy Bark Water Melon. It is far ahead in earliness, solidity, eating and keeping qualities to the much praised Urban Queen.

BERLIN, MD., Sept. 15th, 1883.

P. C. SQUIRES.

WATER MELON—PRIDE OF GEORGIA.

WATER MELON, "PRIDE OF GEORGIA."

Our illustration is an excellent representation of this valuable new Water Melon. It is dark green in color, nearly oval in shape, ridged like an orange, and grows as represented—partly upon its end. It has proved to be an excellent shipping variety, and when well grown attains a large size. This is what the introducers say in regard to it, and for it they make the additional claim that for crispness, sweetness and flavor it stands among Water Melons as did Saul among the children of Israel—head and shoulders above them.

25 cts. per pkt.; 5 pkts. for \$1.00.

KOLB'S GEM WATER MELON.

A newer variety of Water Melon. It has been largely grown and shipped to all the large markets in the country, and it is the testimony of commission merchants who have received them that it is one of the best shipping melons known. The melons attain a weight of from 25 to 50 lbs. Its flavor is first-class, and its keeping qualities are so good that it has been had here in New York, in a perfectly fresh and sweet condition, for two months after shipment.

10 cts. per pkt.; 30 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$3.50 per lb.

HENDERSON'S EMERALD PARSLEY.

Perfection in Parsley has seemingly been reached in this "Emerald" variety, now first offered. The plant is of dwarf habit, with leaves finely cut and curled, and of a deep emerald green hue. Growers for the markets of all large cities know how important it is for their sales to have a stock of Parsley that is "curly." To such, as well as to amateur cultivators, we commend this new sort.

10 cts. per pkt.; 25 cts. per oz.; 75 cts. per $\frac{1}{4}$ lb.; \$2.50 per lb.

PINEAPPLE SQUASH.

A fall and winter variety of the peculiar, and certainly very distinct, shape portrayed in our cut. Our representation sufficiently describes the shape of this variety, and we have only to add that the color of the skin is a creamy white. In time of ripening it comes in with the Perfect Gem, and is of excellent quality when quite young, and keeps well all winter. A very prolific variety, yielding from five to eight squashes to each vine. The flesh is also of a creamy white color, fine grain and splendid quality, having a rich cocoanut flavor.

10 cts. per pkt.; 40 cts. per oz.; \$1.50 per $\frac{1}{4}$ lb.

PINEAPPLE SQUASH.

ESSEX HYBRID SQUASH.

ESSEX HYBRID SQUASH.

This is not only one of the richest flavored, finest grained, and sweetest of all squashes, but it is also one of the very best keepers that we know of. The flesh is very thick, rich colored and solid. It is a very early, quick growing variety, squashes raised from seed sown on the 3d of July, two months after planting, weighing 10 and 12 lbs.

5 cts. per pkt.; 20 cts. per oz.; 60 cts. per $\frac{1}{4}$ lb.; \$2.00 per lb.

STRATAGEM.

PRIDE OF THE MARKET.

NEW PEAS.

(If by mail, add thirty cents per quart as postage.)

Of new English Peas lately introduced, the two following sorts have now been tested to a sufficient extent to prove their adaptability to our climate, and are likely to prove most desirable acquisitions.

STRATAGEM.

By many this variety is considered the best of the numerous English Peas introduced in late years. It is a dwarf, wrinkled, blue marrow, a very heavy cropper, and produces large, remarkably well filled pods of excellent flavor.

40 cts. per pint; 75 cts. per quart.

PRIDE OF THE MARKET.

Is a strong growing pea, attaining a height of from eighteen to twenty-four inches, and is wonderfully productive. Not only is it unusually productive, but the pods are very large in size, and very handsome in appearance, and the peas when cooked are of such splendid quality that he who finds fault must indeed be hard to please.

40 cts. per pint; 75 cts. per quart.

BLISS'S ABUNDANCE PEA.

The distinguishing characteristic of this new Pea is its remarkable productiveness. As an instance, the introducers say "that one of our growers returned us 667 pounds of peas from ten pounds of the seed we furnished him for stock.

"Plant, half dwarf, fifteen to eighteen inches high; foliage, large, thick, full and dark green. Pods, three to three and a half inches long, roundish and well filled, containing six to eight large wrinkled peas of excellent quality.

"It ripens second early, being fit for the table about one week after the earliest kinds. The most striking feature of this variety is its remarkable tendency for branching directly from the roots, forming a veritable bush. Many plants throw out six and more branches, each of which becomes literally covered with blossoms and pods in such abundance that the quantity produced by each branch would be considered a bountiful yield for an entire plant of many of the older varieties. In proof of this, we need only refer to the illustration below, which is a photographic representation of a single plant of the Abundance. This extraordinary branching habit makes it necessary to sow the seeds much thinner than usual; six to eight inches apart in the rows is the nearest that the plants should stand; if the ground is very rich, eight inches is preferable."

40 cts. per pint; 75 cts. per quart. \$5.00 per peck.

NEW POTATO, EARLY MAINE.

Introduced last season by Mr. Gregory, who describes it as being the best combination of earliness, yield and quality yet met with. It originated from a seed ball of the Early Rose, and in general appearance closely resembles that variety. Said to be earlier and a better cropper than the Early Rose, and as a rule the tubers are smoother skinned and more regular in shape.

Three lbs. (by mail) for \$1.00. By freight or express, 75 cts. per peck; \$2.50 per bushel; \$5.00 per bbl.

NEW POTATO, EARLY ELECTRIC.

Said to be as early as the Early Rose, and in quality fully equal to that well known variety. In yield, however, it has proved to be nearly double that of the Early Rose. It is likely to prove a most desirable early variety. In planting, the sets should be cut to three eyes instead of to one.

Three lbs. (by mail) for \$1.00. By freight or express, 75 cts. per peck; \$2.50 per bushel; \$5.00 per bbl.

NEW POTATO, TRIUMPH.

Not altogether new, as it was introduced two years since, but as an extra early variety has given great satisfaction, particularly in the South. It is attractive in appearance, of excellent quality, and very productive.

Three lbs. (by mail) for \$1.00. By freight or express, 75 cts. per peck; \$2.50 per bushel; \$5.00 per bbl.

NEW POTATO, HALL'S EARLY PEACHBLOW.

This Potato possesses the distinction of being really an early Peachblow, and at the same time it is a good yielder, handsome in appearance and of the finest quality.

Three pounds (by mail) for \$1.50. By freight or express, \$1.50 per peck; \$4.00 per bushel; \$8.00 per barrel.

NEW POTATO, DAKOTA RED.

Widely advertised last season, and we believe has been found an enormously productive, but very late variety. It is certainly distinct in appearance, the skin being of a reddish brown color, while the flesh is as white as that of the Snowflake variety, and of good quality. Tubers are of large size.

Three pounds (by mail) for \$1.50. By express or freight, \$1.75 per peck; \$5.00 per bushel; \$10.00 per barrel.

If you wish to garden for amusement, or for home use only, read Peter Henderson's "Gardening for Pleasure."

NEWER VEGETABLE SEEDS

OF SPECIAL MERIT.

HENDERSON'S SELECTED EARLY JERSEY WAKEFIELD CABBAGE.

(See illustration on colored plate.)

The first notoriety that this variety received, was when our Mr. Peter Henderson extolled it in his book, "*Gardening for Profit.*" That was nearly seventeen years ago, and since then it has deservedly taken the first place as an early market variety. To most growers the merits and characteristics of the variety are well known. To those who may not be familiar with it, we would say, that it is justly considered the best early cabbage in cultivation. Among its merits may be mentioned its large size of head, small outside foliage, and its uniformity in producing a crop. The heads are pyramidal in shape, having rather a blunted or rounded peak. The *true* Wakefield Cabbage is always a shy seeder, and as a consequence the seed is always higher in price than other kinds. This year we are in a position, however, to offer our unequaled strain at the following reasonable prices :

10 cts. per pkt.; 50 cts. per oz.; \$1.50 per $\frac{1}{4}$ lb.; \$5.00 per lb.

HENDERSON'S EARLY SUMMER CABBAGE.

(See illustration on colored plate.)

In 1874 we first offered the seed of this grand cabbage, and every year since we have used the utmost care in the selection of heads for seed purposes, and have so improved the variety that to-day we are selling a far better strain of Early Summer than we offered in the year of its introduction. Our stock of this variety we believe to be the best in the country, and that our customers also so consider it, the testimonials scattered throughout this Manual well attest.

The Early Summer is about ten days later than the Wakefield, but being of over double the size, it may be classed as the best large early cabbage. In weight it is equal to most of the late varieties, and its short outer leaves enable it to be planted nearly as close as the Jersey Wakefield, about 12,000 to the acre, while Early Flat Dutch, Winningstadt, etc., producing no larger heads, can only be produced at the rate of 8,000 to the acre. Another excellent quality of the Early Summer Cabbage is that it keeps longer without bursting open after heading than any variety we know of. We would, however, caution those of our customers who intend to grow it in cold frames (to winter over) to sow it at least ten days later than the Wakefield, or other early varieties, as it has some tendency to run to seed if sown at the dates suitable for other early sorts. In this latitude we sow Early Summer on the 25th of September.

10 cts. per pkt.; 50 cts. per oz.; \$1.50 per $\frac{1}{4}$ lb.; \$5.00 per lb.

HENDERSON'S SELECTED LATE FLAT DUTCH CABBAGE.

(See illustration on colored plate.)

We show this variety on our colored plate, and as there portrayed it conveys an excellent idea of the type of the matured heads. To this we have only to add that the seed offered has been grown from heads uniform in size, large and solid. Those who now buy it for the first time will find it to be one of the most satisfactory strains of late cabbage they have ever used.

10 cts. per pkt.; 30 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$3.50 per lb.

HENDERSON'S SELECTED EARLY JERSEY WAKEFIELD CABBAGE

HENDERSON'S SELECTED LATE FLAT DUTCH CABBAGE

HENDERSON'S FIRST OF ALL PEA.

HENDERSON'S EARLY SUMMER CABBAGE

HENDERSON'S EARLY SNOWBALL CAULIFLOWER

BEST TYPES OF THESE
VEGETABLES
OFFERED BY

PETER HENDERSON & CO.

35 & 37 CORTLANDT ST.
NEW YORK.

HENDERSON'S EARLY SNOWBALL CAULIFLOWER.

(See illustration on Colored Plate.)

But few people have any idea of the value or extent of certain stocks of seeds that some seed houses carry. For instance, we have stored in the vaults of the Mercantile Safe Deposit Co., of this City, 250 lbs. of Henderson's

(View in Safe Deposit Vaults.)

Early Snowball Cauliflower Seed, which, at our selling price of \$8.00 per oz., foots up a value of \$32,000. By the time this seed is sold and distributed it will have produced, under favorable conditions, nearly 8,000,000 plants, which, if sold at the low average price of six cents per head, will have yielded nearly **half a million dollars**. That we have a demand large enough to justify us carrying a stock of seed so costly is due to the intrinsic merit of the variety itself, for not only is it the **earliest of all Cauliflowers**, but it is more certain to make a head than any other sort; and since we introduced the Snowball variety hundreds have grown Cauliflower successfully by using this sort, where before they had utterly failed. Sown March 1st, year after year, at the same time and under the same conditions with other kinds, we have had heads of Henderson's Early Snowball, measuring nine inches in diameter, ready by June 10th, about one week earlier than any other sort. Besides, of this variety every plant formed a fine head, and, in addition to all this, its dwarf habit and short outer leaves allow it to be planted as close as 18 or 20 inches apart each way, so that from 12,000 to 14,000 can be set out on an acre.

For forcing under glass during winter and spring, this Early Snowball variety is peculiarly well adapted, from its dwarf growth and short outer leaves, and for this purpose no other Cauliflower is now so largely grown. Finally, it may be stated that it does equally well for late planting.

CAUTION.

The well merited popularity of **Henderson's Early Snowball Cauliflower** has induced some of the leading as well as smaller seedsmen, to offer under the name of "Snowball" or "Early Snowball," and at a lower price, an entirely different stock of Cauliflower.

In order that any possible purchasers may not be misled, we would say that the stock of Cauliflower which we named "Henderson's Early Snowball," and first sent out, is controlled entirely by ourselves, and can be had only of us, and such seedsmen who purchase their supplies from us, and in whose catalogues it will be found at rates uniform with our own, or under the name of Henderson's Early Snowball Cauliflower. In this connection, we would state, that of nearly a dozen samples of *so-called* Early Snowball Cauliflower obtained from other seedsmen, which we tested in our trial grounds last season, *not one was true*, and some grew to a height of nearly 3 feet, *without any tendency to head whatever*.

In order to still further protect customers and ourselves, we beg to state that, with the beginning of 1885, every package, large and small, whether bought of us or other dealers, containing genuine Henderson's Early Snowball Cauliflower Seed, will bear upon the back a label of which the accompanying illustration is a fac-simile.

Reject any package of Henderson's Early Snowball Cauliflower Seed offered you that does not bear this label.

Price, 50 cts. per pkt.; \$8.00 per ounce. ($\frac{1}{4}$ ounces and $\frac{1}{2}$ ounces at ounce rates.)

HENDERSON'S WHITE PLUME CELERY.

Last year we introduced for the first time our White Plume Celery, and although the seed was sold only in packets, yet it was so extensively grown that it fully carried out the claims we made for it. Our reports from different sections of the country are so satisfactory and glowing that we are satisfied it must become a permanent addition to our list of Celeries. In some sections there was a little disappointment with the White Plume Celery last season owing to the unprecedented dry and hot weather experienced in September, which prevented the whitening of the centre to the extent that naturally would occur under the conditions of an ordinary favorable season. We would add also that this variety never whitens in a young state, and usually only begins to show its self-blanching character when the growth begins in the cool weather. For those who did not see our description of the White Plume last year, we repeat here the merits and advantages which this most distinct variety possesses.

The peculiarity of the Celery known as "White Plume" is, that *naturally* its stalk and portions of its inner leaves and heart are white, so that, by closing the stalks, either by tying them up with matting, or by simply drawing the soil up against the plant and pressing it together with the hands, and again drawing up the soil with the hoe or plow, so as to keep the soil that has been squeezed against the Celery in its place, the work of blanching is completed; while it is well known that in all other kinds of Celery, in addition to this, the slow and troublesome process of high "banking" or earthing up with the spade is a necessity.

Another great merit of the "White Plume" Celery is, that it far exceeds any known vegetable as an ornament for the table, the inner leaves being disposed somewhat like an ostrich feather, so as to suggest the name we have given it of "White Plume."

It is well known that one-half the value of a Celery, particularly in our best hotels and restaurants, is held to be its fitness as a table ornament, and for this purpose this new variety is admirably fitted. In addition to this, its eating qualities are equal to the very best of the older sorts, being *crisp, solid*, and having that nutty flavor peculiar to the "Walnut" and some of the red sorts. Altogether, we cannot find words sufficient to describe its many merits as it deserves.

The great bugbear in the cultivation of Celery, by those engaged in growing it for market, has been the labor entailed in the "banking" to whiten or blanch it; and with the unskilled amateur growing a few hundred for private use the troublesome process of "banking" has usually been a detriment sufficient to prevent him from trying. Now he can grow this new *self-blanching* sort just as simply as any other vegetable.

One of our largest Celery growers on Jersey City Heights, N. J., grew one-fourth of his whole Celery crop in "White Plume" the past season, and realized for it \$1.50 per dozen bunches, while the Golden Dwarf, giving twice the labor in banking, sold for only \$1.00 per dozen. Next season he will grow half of his whole crop of upward of 100,000 roots in "White Plume."

Price, 25 cts. per packet; five packets for \$1.00; \$1.75 per half oz.; \$3.00 per oz.

CELERY.

Besides the preceding variety, "Henderson's White Plume," we beg to offer our unequaled selections of the following standard sorts. For the information of patrons who may not be aware of the fact, we would state that our Celery seed is saved each season at our grounds in Jersey City. For full cultural instructions on this most important vegetable, see our new book, "*Garden and Farm Topics*," offered in introduction.

HENDERSON'S HALF DWARF CELERY.

Except, perhaps, the Golden Dwarf, this variety is now grown more extensively than any other by the market gardeners who supply the New York City markets, and is the kind now found on the tables of all first class hotels. When blanched it is of a yellowish white, making it very ornamental for the table, is entirely solid, possessing a rich nutty flavor, while it has much vigor of growth, surpassing most of the large growing sorts in weight of bunch when grown under the same conditions. (*See cut.*)

10 cts. per pkt.; 40 cts. per oz.; \$1.25 per $\frac{1}{4}$ lb.; \$4.00 per lb.

HENDERSON'S GOLDEN DWARF CELERY.

A very distinct variety, which originated near Newark, N. J., a few years ago, and whose great value has been shown by the fact that it is largely grown around that locality, for both the markets of Newark and New York. In size and habit of growth it is much the same as the Half Dwarf and Dwarf White kinds, except that when blanched, the heart, which is large and full, is of a waxy golden yellow, rendering it a most striking and showy variety for either market or private use. It is entirely solid and of most excellent flavor, and one of the best keepers during winter we have ever known.

10 cts. per pkt.; 40 cts. per oz.; \$1.25 per $\frac{1}{4}$ lb.; \$4.00 per lb.

PERFECTION HEARTWELL CELERY.

A strong growing variety, not so suitable for market purposes as the Half Dwarf or Golden Dwarf, though it answers for light or poor soils.

10 cts. per pkt.; 25 cts. per oz.; 75 cts. per $\frac{1}{4}$ lb.; \$2.50 per lb.

LONDON RED CELERY.

We have tried to impress upon our customers, for years, the superiority of the Red Celery over the White. Not only that, as a rule, they are better flavored and more crisp, but that they are hardier and keep better during winter. The variety London Red is one of the best we have ever seen, having every requisite good quality.

10 cts. per pkt.; 30 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$3.50 per lb.

MAJOR CLARKE'S PINK CELERY.

Of late years we have found more of a disposition to grow the pink or red varieties of Celery, which is as it should be, for so far as flavor goes the red and pink varieties are, as a rule, much superior to the white sorts. In our trials of many varieties we have considered this, Major Clarke's Pink, to be a desirable acquisition to our existing list of Celeries, which, as our customers know, is a leading specialty with us. This variety is of medium growth, of stiff, close habit, large heart, remarkably solid and crisp, and of fine walnut flavor. (*See cut.*)

15 cts. per pkt.; 50 cts. per oz.; \$1.50 per $\frac{1}{4}$ lb.

HENDERSON'S HALF DWARF CELERY.

MAJOR CLARKE'S PINK CELERY.

Last Sunday, April 27th, I visited my neighbor, Mr. John Schley, and in all my life I never saw anything that could nearly equal his Cabbages. He informed me he obtained the seed from you. His Henderson's Early Summer Cabbage (seven acres) were then all headed and ready for shipment to New York, and his Henderson's Selected Early Jersey Wakefield Cabbage were equally good, all making fine solid heads. I am a trucker here, and my cabbage are poor. I obtained the seed from ————. I am disheartened when I look at Mr. Schley's crop and then at mine.

SAVANNAH, GA., May 3d, 1884.

C. H. SHEFTALL.

SQUANTUM SUGAR CORN.

A variety of Sugar Corn in great favor with the well known Squantum Club, of Silver Spring, R. I., and used almost exclusively by them in their famous clambakes. It is about as early as the Moore's Concord, the ears being the same size. Its quality is of the best. Very sweet and wonderfully productive, producing four to five ears on a stalk. 25 cts. per qt.; \$1.75 per peck.

AMBER CREAM SUGAR CORN.

A vigorous grower, stalks seven feet in height; ears ten to fourteen inches long, with very deep kernels, rich, sugary and tender. When fit for table use the ears are beautifully white, but when dry the kernels are amber colored and very much shriveled. It is exceedingly productive and valuable as a market variety. 25 cts. per qt.; \$1.75 per peck.

CABBAGE—NETTED SAVOY.

Our illustration gives a very good idea of the peculiar characteristics of this fine variety, which is crimped and netted to an unusual degree, and it also forms a compact, solid head. It should be generally known that the Savoy varieties are the finest flavored of all the cabbage tribe, and amateurs who raise only one or two varieties of cabbage for their own use should certainly include one of the Savoy sorts.

10 cts. per pkt.; 30 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$3.50 per lb.

NEW LETTUCE—SALAMANDER.

The Salamander is the best variety for summer use, forming good sized, compact heads, color light green outside, and white on the inside. Its great merit, however, is that it will withstand drought and heat, and remain longer in head than any other variety; this peculiarity has been fully proven through two unexampled dry seasons. It is very slow to run to seed, and to Market Gardeners is invaluable on account of its heat resisting qualities.

10 cts. per pkt.; 25 cts. per oz.; 75 cts. per $\frac{1}{4}$ lb.; \$2.50 per lb.

BLACK SEEDED SIMPSON LETTUCE.

LETTUCE—BLACK SEEDED SIMPSON.

We consider this Black Seeded Simpson to be one of the most desirable acquisitions that has been made to our list of Lettuces within ten years. It has now been thoroughly tested, and from every side we hear the most satisfactory reports in regard to it. Like the ordinary curled Simpson, it does not properly form a head, but a compact mass of leaves; but differs in being very much lighter colored, the leaves being almost white; stands the summer heat splendidly, and attains a size nearly double that of the Curled Simpson. It is equally suited for forcing; but, on account of its large size, it might not prove to be as profitable under some circumstances as the strictly forcing varieties, such as Boston Market or Tennis Ball. (See cut.)

10 cts. per pkt.; 25 cts. per oz.; 75 cts. per $\frac{1}{4}$ lb.; \$2.50 per lb.

NEW LETTUCE—YELLOW SEEDED BUTTER.

Like the Salamander, this withstands summer heat well, and stands long before running to seed. It is a very distinct sort, making a large, dense yellow head, very crisp and tender, and excellent in flavor. Its beautiful yellow heart gives it a very handsome appearance.

10 cts. per pkt.; 25 cts. per oz.; 75 cts. per $\frac{1}{4}$ lb.; \$2.50 per lb.

THE HACKENSACK MUSK MELON.

The most popular variety of Musk Melon grown for market by gardeners in this vicinity. It attains a large size, is round in shape, flattened at the ends; is of the most delicious flavor, and wonderfully productive. It somewhat resembles the Green Citron, on which, however, it is a decided improvement.

5 cts. per pkt.; 20 cts. per oz.; 60 cts. per $\frac{1}{4}$ lb.; \$2.00 per lb.

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MONTREAL MARKET MUSK MELON.

MONTREAL MARKET MUSK MELON.

Largely grown for the markets of Montreal, where it is justly highly esteemed. The fruit is of the largest size, specimens often weighing 20 lbs. and upward. The shape of this melon is almost round, flattened at both ends, and deeply ribbed; skin green and netted; flesh very thick and of the finest flavor. (See cut.)

10 cts. per pkt.; 25 cts. per oz.; 75 cts. per $\frac{1}{4}$ lb.; \$2.50 per lb.

NETTED GEM MUSK MELON.

One of the earliest, and no doubt the best small Melon grown. They are globular in shape, very uniform in size and weight, weighing from $1\frac{1}{4}$ to $1\frac{1}{2}$ lbs. each; flesh light green and of very fine flavor, exceedingly productive, and will keep well for nearly a week after picking. (See cut.)

10 cts. per pkt.; 25 cts. per oz.; 75 cts. per $\frac{1}{4}$ lb.; \$2.50 per lb.

Netted Gem Musk Melon.

FIELD VIEW OF SCALY BARK WATER MELON.

SCALY BARK WATER MELON.

Although this variety was introduced only two years ago, it has quickly become a standard sort. The rind is very thin, yet so tough and strong that the melons will bear any amount of handling without bursting or cracking open. This characteristic shows the peculiar fitness of the variety for shipping purposes. The flesh is light crimson in color, very tender, and of excellent flavor. The average weight of the Scaly Bark Water Melon is thirty-five pounds.

10 cts. per pkt.; 25 cts. per oz.; 75 cts. per $\frac{1}{4}$ lb.; \$2.50 per lb.

BLISS'S EVER-BEARING PEA.

We append below the introducers' description of this new Pea, which is particularly recommended for summer and autumn use:

"Season late to very late. Height of vines, eighteen inches to two feet; foliage, very large; pods, three to four inches long on the average, each pod producing six to eight wrinkled peas; size of peas very large, half an inch and over in diameter; quality, unsurpassed in sweetness as well as flavor; in fact, it possesses a peculiar richness and marrowy flavor not found in any other variety. Its habit of growth is of a peculiar branching character, forming as many as ten stalks from a single root stalk. One hundred pods have been counted on a single vine. The individual branches are of extraordinary strength and substance, so that when hilled up properly, they stand up well without brushing. We do not hesitate to say that for continuance of bearing, this variety is unexcelled if equaled, a characteristic which gives it especial value for late summer and autumn use. After repeated pickings of quantities of full sized pods, the vines continue to be covered with blossoms and buds developing to maturity in turn, and making it practically as perpetual a bearer as can be found in the Pea tribe.

"Owing to the branching habit of the plant, the seed should be sown considerably thinner than is customary with other kinds, else the vines will become too crowded and straggling, to the detriment of the crop. We have obtained best results by

BLISS'S
EVERBEARING PEA
Copyright 1883

A
SINGLE PLANT
DRAWN FROM LIFE

planting the single peas six inches apart in the rows, covering those planted in early spring three inches, and those planted in summer four to five inches."

40 cts. per pint; 75 cts. per quart; \$5 per peck.

Your First of All Peas were the best I had last year, and I can heartily recommend them as being the earliest and heaviest yielder of any "First Early" I ever raised.

BLOOMINGTON, ILL., January 23d, 1884.

J. H. LEATON.

EXTRA EARLY PEA—HENDERSON'S FIRST OF ALL.

(See illustration on colored plate.)

We do not think we can offer any better testimony as to the value of our First of All Pea, than the simple fact that we sold of it in 1884 ten times the quantity of seed that we disposed of during 1883, the year we first catalogued it. This large and increased demand was brought about because those who tried it found it to be the best extra early Pea they had ever grown. It is always difficult to induce customers to send in their experience with seeds, but all the reports we have received in regard to Henderson's First of All are unanimous as to its extreme earliness and great yield. It is fully six inches dwarfer than the Improved Daniel O'Rourke, produces pods of good size, which are well filled with round, smooth peas of splendid flavor. It is a prodigious bearer, and ripens up so thoroughly as not to require more than two pickings to clear off the crop. In this last feature and its earliness consist its exceptional value to market gardeners or truckers. For the last three years our trial book shows that in comparative trials with other early Peas, Henderson's First of All was fit to pick a week ahead of all others. So sure are we of the merit of this Pea, that we risk nothing in saying that whether you are an amateur or a market gardener, it is certain to please you.

30 cts. per quart; \$2.00 per peck; \$7.00 per bushel.

DWARF PEA—AMERICAN WONDER.

We do not remember any new variety among vegetables that has sprung into popularity in so short a time as this most desirable Pea. It is so well and favorably known now as to scarcely need a description. To those who are not familiar with the variety we would say, that the American Wonder is a seedling, the result of a cross between the Champion of England and the Little Gem. It is one of the earliest wrinkled peas in cultivation, of the finest quality and wonderfully productive. Its great distinctive feature, however, is its compact and dwarf growth, seldom exceeding ten inches in height. The supply of American Wonder Pea this season is quite short, but we are able to offer it at the following reasonable prices:

40 cts. per quart; \$2.50 per peck; \$9.00 per bushel.

I would like to say that I used one of your packets of "White Plume" Celery with great success, raising 350 plants from one packet. I sold 200 plants for \$2.00, and the balance I have sold for table use at the rate of five cts. per root, making over \$9.00 from one packet. It is so early that we can use it for the cottage trade at Long Branch to good advantage.

EATONTOWN, N. J., August 27th, 1884.

D. F. WOLCOTT & CO.

FIRST EARLY POTATO—VANGUARD.

Offered by us for the first time last season after an extended and previous trial of three years, during which period it proved to be all that could be desired in the way of an early potato. In the experience of customers who purchased it last season we know that in most cases the Vanguard fully sustained all that we said in its favor. At the same time candor compels us to say that we have had a few unfavorable reports, but in nearly all such instances we found that the seed had been bought very late in the spring, when to execute orders for the variety we had to send out tubers in rather bad shape. To this cause we attribute what little dissatisfaction occurred. Our illustration is a trifle smaller than the average size of the tubers. The skin is the same color as the Early Rose, indented with few and shallow eyes. In yield it is about on a par with the early sorts, while in quality and flavor it is unsurpassed. In earliness it has in every instance, when grown side by side with the earliest varieties, been fit to dig never less than ten, and often twelve and fourteen days before any other sort had matured. The testimonials given below were sent us in 1883, by two of the largest and most successful potato growers in the country.

By express or freight, \$1.00 per peck ; \$3.00 per bushel ; \$6.00 per bbl.

"Last spring you sent me for trial your new seedling potato, with a request that I should plant them and report the result. They were planted the last week in April beside Early Rose and Early Sunrise, on the same day, using a fertilizer at the rate of 600 lbs. per acre. The first week in July they were examined and found large enough for the table. The last week in July the crop was fully matured, and I do not hesitate to pronounce them fully ten days earlier than either the Early Sunrise or Early Rose, and its yield as compared with the above named varieties was most satisfactory.

"I have tested the quality and it is all that could be desired. In mealiness, and fine, delicate flavor, it is equal to Snowflake. I believe it will become the standard variety for earliness, quality and productiveness.

Holmdel, N. J., Nov. 10th, 1883."

J. L. CONOVER.

Under date of November 3d, E. L. Coy, of Washington County, N. Y., writes: "Its quality is certainly very fine. We have cooked them and found them everything that could be desired. When planted side by side with the Beauty of Hebron and Early Rose, the Vanguard ripened fully ten days earlier than either."

POTATO, EARLY MAYFLOWER.

This valuable new early variety ripens about with the Early Rose, while the quality is equal to that of the Snowflake. In fact, this variety is a cross between the Snowflake and Peachblow. The tubers are of medium size and run very uniform, and of the general shape shown in the accompanying illustration. It is of light lemon color, with smooth skin, well covered with very fine netting. The eyes are few, while the flesh is white and solid. Cooks evenly and thoroughly without falling to pieces, and has no hard

core so common to many other sorts. The vines grow strong and vigorous, and have a spreading rather than an upright growth.

By express or freight, 75 cts. per peck ; \$2.50 per bushel ; \$5.00 per bbl.

If you wish to raise Vegetables for sale read Peter Henderson's "Gardening for Profit."

WOOD'S EARLY FRAME RADISH.

Very often a variety of special value will be catalogued for years before its merits become generally known. The variety here offered, Wood's Early Frame Radish, is a marked instance of this seeming neglect. Comparatively few growers are aware of the fact that it is over *ten days earlier* than the Long Scarlet Radish, which it very much resembles, although not quite so long. An excellent variety for forcing.

5 cts. per pkt.; 10 cts. per oz.; 30 cts. per $\frac{1}{4}$ lb.; \$1.00 per lb.

THE CARDINAL TOMATO.

TOMATO—LIVINGSTON'S FAVORITE.

This is the latest seedling sent out by Mr. Livingston, who has already given us such standard and valuable sorts as Acme, Paragon, and Perfection. It is one of the largest and most perfect shaped varieties in cultivation. Ripens evenly and early, and holds its size to the end of the season. It is very prolific, has few seeds, solid flesh, and bears shipping long distances.

10 cts. per pkt.; 40 cts. per oz.; \$1.25 per $\frac{1}{4}$ lb.; \$4.00 per lb.

(HALF SECTION), LIVINGSTON'S FAVORITE TOMATO.

TOMATO—MAYFLOWER.

This is perhaps the earliest large tomato grown. The shape is perfectly globular, slightly flattened and perfectly smooth. Of a glossy red color, and ripens perfectly and evenly close up to the stem. It is a large yielder, and its shipping qualities are excellent.

10 cts. per pkt.; 30 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$3.50 per lb.

NEW TURNIP—SNOW-WHITE OLIVE SHAPED.

A new white variety of the form shown in our illustration, and which possesses the distinction of being exceedingly early, and of remarkably fine quality. Unsurpassed for table use.

5 cts. per pkt.; 20 cts. per oz.; 60 cts. per $\frac{1}{4}$ lb.; \$2.00 per lb.

SNOW-WHITE
OLIVE SHAPED TURNIP.

I send you a box of White Plume Celery exhibited at our State Fair. It is certainly a grand acquisition.
October 4th.

R. W. HARGADINE, Dover, Del.

General List of Vegetable Seeds

The following general list of Vegetable Seeds embraces not only all standard varieties, but also includes all the novelties which have been described in detail in the preceding pages.

We know that our prices, considering the high quality of our seeds, are low. Now and again perhaps we may price some varieties at seemingly higher rates than some one else may offer. But in such cases there are always good reasons for so doing, although somewhat difficult to explain in a catalogue like this. Take, for instance, such a seed as Cabbage. We know that of certain leading sorts we have the very best strains in the country, brought about by a constant supervision in the selection of heads for seed purposes nearest to the true type. This selection involves not only extra labor, but also a large loss of plants, because all failing to come up to the standard are thrown out. Consequently we do not obtain as much seed as others who do not use the same care. With such a crop as Cabbage a matter of a dollar or two per pound to the grower for market is a small consideration, when by the use of inferior or untrue seed he may be subjected to a loss of hundreds of dollars. Another example that we might call attention to is that of Peas. This year we ask \$7 per bushel for our best stock of extra early Peas (Henderson's First of All). Some one else perhaps lists Extra Early Peas at \$6.50 per bushel. Now, unless we can personally meet you and explain that the extra labor involved in removing the runners from the growing Peas, or thoroughly "rogueing" the stock, as it is called,—which increases the cost but insures purity,—you naturally think that we are above the market, while the fact is that the party selling them at \$6.50 per bushel probably makes a larger profit on his sales than we do at our higher rate. We could give dozens of other illustrations, but we believe that we have stated sufficient to show any intelligent man that if good seeds are desired a fair price must be paid.

We offer the following inducements to those who wish to purchase packets in quantity; these low rates apply only to Seeds by the packet, not by the oz., ¼ lb., lb., pints or quarts; and Seeds ordered in this way will be forwarded by Mail to any address in the United States or Canada:

Purchasers remitting \$1.00 may select Vegetable Seeds in packets, to value of.....	\$1.15
" " 2.00 " " " " " " " " " " " "	2.30
" " 3.00 " " " " " " " " " " " "	3.50
" " 4.00 " " " " " " " " " " " "	4.75
" " 5.00 " " " " " " " " " " " "	6.00
" " 10.00 " " " " " " " " " " " "	13.00
{ Also a copy of the New Book, "Garden and Farm Topics." }	
{ And choice of any one of our four Books, costing \$1.50 each }	

Varieties in **heavy type** are such as we have found to be best adapted for general cultivation, and inexperienced cultivators, in doubt which sorts to select, cannot go far wrong in selecting varieties so marked.

ARTICHOKE, Globe.

German, *Artischoke*.—French, *Artichaut*.—Spanish, *Alcachofa*.

Sow in April, in rich soil, and transplant the following spring to permanent beds, in rows (or hills) three feet apart, and two feet between the plants. The plantation the first season will only give a partial crop; but as it is a perennial, after being once planted, the beds will remain in bearing for years. It should be protected in winter by a covering of leaves or coarse manure.

Large Globe, best for general culture. (*See cut.*) Pkt., 10 cts.; oz., 40 cts.

ARTICHOKE (Jerusalem).

Is entirely different from the True or Globe Artichoke, being grown exclusively for its tubers, which somewhat resemble Potatoes and are cultivated in a similar manner, only that the rows should be at least four feet apart when grown in strong soils. It is enormously productive, producing 1,500 bushels per acre. It is used mostly in feeding sheep and hogs. In some parts of the Southern States the tops are cut and dried as hay.

Strong tubers, 25 cts. per qt.; \$1.50 per peck; \$5.00 per bushel. A 3 lb. package by mail for \$1.00.

ASPARAGUS.

German, *Spargel*.—French, *Asperge*.—Spanish, *Esparragos*.

Sow early in spring as soon as the ground will admit of working, in rows a foot apart. Keep carefully hoed and clear from weeds, and the plants will be in condition to set out the succeeding spring. The soil for the permanent beds should be thoroughly manured, and trenched or plowed to a depth of at least one foot. Plant in rows, three feet apart and one foot between the plants in the rows; spread the roots well out and let the crown of the plant be set deep enough, so that it will be covered from four to eight inches. In heavy soils the covering must be less than in light soils. After sowing the seeds, tread them firmly in with the feet. For further information regarding culture of Asparagus, see "Gardening for Profit."

If by mail in quantities of ¼ lb. and upwards, postage must be added at the rate of 16 cts. per lb.

Colossal. (*See cut.*) The best variety; unrivaled in size, productiveness and quality. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 80 cts.

ASPARAGUS ROOTS.

Colossal. Two-year-old roots, by express, per 100, \$1.00; \$8.00 per 1,000.

Large Globe Artichoke.
See page 21.

Colossal Asparagus.
See page 21.

White Sugar Beet.
See page 25.

Dreer's Improved Lima
Beans.
See page 23.

Pine Apple Beet.
See page 25.

Bassano Beet.
See page 25.

Swiss Chard.
See page 25.

Blood Turnip Beet.
See page 25.

My seeds ordered of you arrived by last mail, and in a perfectly satisfactory condition.
accuracy.

ROCK CREEK, IOWA, March 14th, 1884.
Accept thanks for promptness as well as
Mrs. T. H. LOVEJOY.

BEANS, English or Broad.

German, *Gartenbohne*.—French, *Fève de Marais*.—Spanish, *Haba*.

This class is very hardy, and should be planted as soon as the soil is in good state in the spring. Plant four inches apart and two inches deep, in drills four feet apart. To insure well filled pods, pinch off the tops as soon as the lower pods begin to set.

Add 30 cts. per quart extra if to be sent by mail.

Early Mazagan. Very early and hardy, and bears freely. Pt., 20 cts.; qt., 40 cts.

BROAD WINDSOR. Best for general use. Pt., 25 cts.; qt., 50 cts.

Sword Long Pod. An excellent variety. Pt., 20 cts.; qt., 40 cts.

BEANS, Dwarf or Bush.

German, *Bohne*.—French, *Haricot*.—Spanish, *Fríjole nano*.

A succession of sowings can be made from the first week in May until September. These dates are for the latitude of New York; further south, the sowing must be done earlier; further north, later. Plant in drills about two inches deep, and from eighteen inches to two feet apart, according to the richness of the soil; the poorer the soil, the closer they can be planted; the plants should be about three inches apart.

Add 30 cts. per qt. extra if to be sent by mail. Pints furnished at quart rates.

Parties ordering by the bushel will be supplied at reduced rates.

HENDERSON'S EARLIEST RED VALENTINE. (See description, page 7.) Qt., 50 cts.; \$3.50 per peck.

Early Feejee. The earliest variety; very prolific. Qt., 30 cts.; peck, \$2.00.

EARLY RED VALENTINE. Early, productive, tender, succulent, and of excellent flavor; continues longer in the green state than most of the varieties. Qt., 30 cts.; peck, \$2.00.

WHITE VALENTINE. The habit of growth of this variety is very similar to the well known Red Valentine. It is a very prolific bearer, and the fact of the bean itself being white, gives it additional value, as it enables it to be used as a shell bean. Qt., 30 cts.; peck, \$2.00.

Early China. Rather earlier than the Red Valentine, but not quite so productive; of good quality. Qt., 30 cts.; peck, \$2.00.

GALLEGA, OR LARGE REFUGEE. (See cut.) For many years the well known Refugee Bush Bean has been a standard sort, whether grown for market or for private use. This variety, Gallega, is an improved form of the parent variety, being not only much more prolific, but both pods and beans are much larger in size than in the old sort. Qt., 30 cts.; peck, \$2.00.

EARLY MOHAWK. (See cut.) An excellent early variety; very productive, and of good quality. Qt., 30 cts.; peck, \$2.00.

LONG YELLOW SIX WEEKS. Early and prolific; an excellent variety for general crop. Qt., 30 cts.; peck, \$2.00.

BLACK WAX, OR BUTTER. (See cut.) The pods, when ripe, are of a waxy yellow, transparent, very tender and delicious; an excellent variety. Qt., 35 cts.; peck, \$2.25.

White Seeded Wax. (See cut.) A variety with wax-like pods very similar to the Black Seeded Wax, except in color of seeds. Qt., 40 cts.; peck, \$2.50.

IVORY POD WAX. (See cut.) A week earlier than the Black Wax, bearing long pods of a waxy white color, entirely stringless. Very tender, and an excellent shell bean. Beans ripe are of medium size, white and oval. 40 cts. per qt.; \$2.50 per peck.

CANADIAN WONDER. Very large pods, good bearer. Exceedingly tender when cooked. 40 cts. per qt.; \$2.50 per peck.

GOLDEN REFUGEE. (See cut.) Pods perfectly round and of very light color. The seed of this is quite distinct from the old Refugee. 40 cts. per qt.; \$2.50 per peck.

CRYSTAL WHITE WAX. A beautiful and distinct variety, producing pods of fair size, of rich and tender flavor; in color waxy white, and almost as transparent as glass. It is a stringless variety, very productive, and the pods, though quick to develop, are slow to harden, and thus retain their tenderness on the bush for a long time. An excellent variety for canning purposes. Qt., 40 cts.; peck, \$2.50.

GOLDEN WAX. (See cut.) An entirely distinct variety, a week or ten days earlier than the Dwarf Black Wax; the pods are large, long and brittle, and entirely stringless. As a Snap Bean it excels all others in tenderness and richness of flavor, and has the further merit of being one of the best Shell Beans grown for winter use. Qt., 35 cts.; peck, \$2.25.

WONDER OF FRANCE. (See description, page 7.) Pkt., 15 cts.; qt., 60 cts.; peck, \$4.00.

DWARF MONT D'OR. (See description, page 7.) Pkt., 15 cts.; qt., 60 cts.; peck, \$4.00.

FLAGEOLET WAX. (See cut.) Pods of large size, tender and succulent. Equally good as a shell bean. Qt., 40 cts.; peck, \$2.50.

GREEN FLAGEOLET. Seeds of this are of a greenish white. Desirable either as a string or shell bean. Qt., 30 cts.; peck, \$2.00.

Newington Wonder. A wonderfully productive sort; pods very crisp and tender; a valuable variety for forcing. Qt., 30 cts.; peck, \$2.00.

REFUGEE, OR THOUSAND TO ONE. Very productive, though not early; young pods, extremely tender and of fine flavor; extensively grown as a main crop. Qt., 30 cts.; peck, \$2.00.

Dwarf Horticultural. A bush variety of the well known Horticultural Pole Bean. Qt., 30 cts.; peck, \$2.00.

Large White Kidney. Excellent as a shell bean, green or ripe. Qt., 30 cts.; peck, \$2.00.

White Marrowfat. Extensively grown for sale in the dry state; of average quality as a string bean, but excellent shelled, either green or dry. Qt., 30 cts.; peck, \$2.00.

BEANS, Pole or Running.

German, *Stangen-Bohnen*.—French, *Haricot à Rames*.—Spanish, *Judias*.

These are more tender and require rather more care in culture than the Bush Beans, and should be sown two weeks later than these; they succeed best in sandy loam, which should be liberally enriched with short manure in the hills, which are formed, according to variety, from three to four feet apart; from five to six seeds are planted in each hill, about two inches deep.

Add 30 cts. per quart extra if to be sent by mail. Pints furnished at quart rates.

Parties ordering by the bushel will be supplied at reduced rates.

LARGE WHITE LIMA. This is esteemed the best of all the Pole Beans, and is almost universally grown both for market and private use. Qt., 40 cts.; peck, \$3.00.

Small Lima or Sieva. It is earlier and more hardy than the preceding; seed small, white and flat shaped. Qt., 50 cts.; peck, \$3.50.

DREER'S IMPROVED LIMA. (See cut.) The distinctive features of this variety are early maturity, large yield, and extra quality of Bean. It is also claimed that it produces more shelled beans to the pole than the large Lima. Qt., 40 cts.; peck, \$3.00.

SOUTHERN PROLIFIC. (See description, page 7.) Qt., 50 cts.; peck, \$3.50.

Dutch Case Knife. A very productive variety, and one of the earliest; sometimes used as "snaps," but generally shelled. Qt., 40 cts.; peck, \$3.00.

Horticultural or Speckled Cranberry. A popular variety for private use; equally serviceable in the green state or when shelled. Qt., 40 cts.; peck, \$3.00.

Scarlet Runner. A great favorite in European gardens, both as an ornamental plant and useful vegetable. It grows to the height of ten feet, producing dazzling scarlet flowers. Qt., 50 cts.; peck, \$3.50.

GIANT WAX. Pods long, clear, waxy yellow; thick and fleshy; very productive; when cooked, tender and delicious. Per pkt., 15 cts.; qt., 60 cts.; peck, \$4.50.

German Wax Pole. One of the best varieties either for snaps or shelled in the green state. Qt., 40 cts.; peck, \$3.00.

BET.

German, *Runkel Rube*.—French, *Betterave*.—Spanish, *Betteraga*.

The soil which is best suited for the culture of the beet is that which is rather light than otherwise, always provided that it is thoroughly enriched by manure. For an early supply sow in spring, as soon as the ground becomes fit to work, in drills about one foot apart, and two inches deep. For main crop, sow the first week in May, and for winter use, sow in June. These dates are for the latitude of New York; for the South, sow earlier; for the North, later. When the plants have attained three or four leaves, thin out so that they may stand five or six inches apart. Keep free from weeds by hand weeding or hoeing. In October the roots may be taken up and stored in cellar or in pits outside like potatoes, care being taken that they are not bruised or injured in the process.

If by mail in quantities of $\frac{1}{4}$ lb., and upward, postage must be added at the rate of 16 cts. per lb.

EGYPTIAN TURNIP. The earliest beet in cultivation and one of the leading market sorts; color deep crimson. Of excellent quality. (See cut.) Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

ECLIPSE. (See description, page 8.) Pkt., 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

Flageolet Wax.

Gallega or Large Refugee.

Early Mohawk.

White Seeded Wax.

Golden Wax.

Golden Refugee.

Ivory Pod Wax.

Dwarf Black Wax or Butter.

VARIETIES OF BUSH BEANS. See page 23. [Copyright, 1884.]

BEET.—Continued.

- BASTIANS' BLOOD TURNIP.** After the Egyptian and Eclipse, probably the earliest variety of Beet. Is of blood red color when boiled. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
- DEWING'S IMPROVED BLOOD TURNIP.** Roots deep blood-red, of fine form and flavor. Very early. An excellent market variety. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
- EARLY BLOOD TURNIP.** The standard early sort; an excellent variety. (See cut.) Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
- Early Flat Bassano.** Chiefly valuable for its earliness. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
- Long Smooth Blood-Red.** An excellent late variety, a great improvement on the common Long Blood. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
- Early Yellow Turnip.** Similar to the Blood Turnip, but differing in color; flesh yellow, tender and sweet. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
- PINEAPPLE.** A highly esteemed English variety, of rich, deep crimson color. (See cut.) Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.
- Brazilian Variegated.** Beautiful for garnishing and flower garden decoration, the stems and veins being richly colored with crimson, yellow and white. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.
- Swiss Chard, Silver or Sea-Kale Beet.** This variety is cultivated solely for its leaves. The mid-rib is stewed and served as Asparagus, the other portions of the leaf being used as Spinach. If often cut, new and more tender leaves will be reproduced. (See cut.) Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

The following varieties are grown for feeding stock. Sow in April and May. Eight pounds per acre. PETER HENDERSON'S REVISED ESSAY ON THE CULTIVATION OF "ROOT CROPS FOR FARM STOCK," WILL BE FOUND IN THE NEW BOOK, "GARDEN AND FARM TOPICS."

See "Prizes for Specimen Vegetables," in Introductory.

- NORBITON GIANT LONG RED MANGEL WURZEL.** One of the finest stocks of Long Red Mangel in cultivation. Oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 80 cts.
- HENDERSON'S COLOSSAL LONG RED.** The roots are smooth and regular, of the largest size and of blood-red color. The quality is exceedingly nutritious, and in all respects the variety is most distinct and valuable. (See cut.) 10 cts. per oz.; 25 cts. per $\frac{1}{4}$ lb.; 80 cts. per lb.
- Long Red Mangel Wurzel.** This variety is more generally grown for agricultural purposes than any other, producing roots of large size and excellent quality. Oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts.
- YELLOW OVOID.** (See cut.) In shape this sort is intermediate between the Long and Globe varieties. A very nutritious and valuable variety. Oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 80 cts.
- LONG YELLOW MANGEL WURZEL.** Differs from the Long Red only in color. Oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts.
- KINVER YELLOW GLOBE.** The Kinver Globe is one of the best stocks of Yellow Globe Mangel in cultivation. See further reference to it in our article on "Root Crops," referred to above. Oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 80 cts.
- HENDERSON'S CHAMPION YELLOW GLOBE.** (See cut.) Smooth, globe-shaped roots, of large size and excellent quality, are the distinctive features of this variety. Oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 80 cts.
- GOLDEN TANKARD.** (See cut.) A very valuable variety, of fine form and very sweet flavor, and bright yellow in color. When cut it shows interior rings similar to most varieties of garden beet. 10 cts. per oz.; 25 cts. per $\frac{1}{4}$ lb.; 80 cts. per lb.
- YELLOW GLOBE MANGEL WURZEL.** Roots of large size and globular form; very productive; keeps better than the Long Red, and is better adapted for growing in shallow soils. Oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts.
- WHITE SUGAR BEET.** Attains a large size and is extensively grown for feeding; largely cultivated in France for the manufacture of sugar. Oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts.
- VILMOBIN'S IMPROVED WHITE SUGAR BEET.** A greatly improved variety of the preceding. Oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
- LANE'S IMPERIAL SUGAR BEET.** (See cut.) An improved variety of the French Sugar Beet, obtained by careful selection in this country, and recommended as being hardier, more productive and containing a greater percentage of sugar than the ordinary variety. Oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 75 cts.

BROCCOLI.

German, *Brocoli*, *Spargel-Kohl*.—French, *Chou Brocoli*.—Spanish, *Brocoli*.

Nearly allied to the Cauliflower, but more hardy; the seed should be sown in this district in the early part of May and transplanted in June; further south the sowing should be delayed until June or July, and the transplanting accordingly from August to October. In parts of the country where the thermometer does not fall below 20 or 25 degrees, Broccoli may be had in perfection from November until March. It succeeds best in a moist and rather cool atmosphere.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

WHITE CAPE. Heads medium size, close, compact and of creamy white color; one of the most certain to head. Pkt., 15 cts.; oz., 75 cts.; $\frac{1}{4}$ lb., \$2.50.

PURPLE CAPE. Differs from the preceding only in color. Pkt., 10 cts.; oz., 50 cts.; $\frac{1}{4}$ lb., \$1.75.

Walcheren. A valuable variety, with very large, firm heads. Pkt., 15 cts.; oz., 75 cts.; $\frac{1}{4}$ lb., \$2.50.

BRUSSELS SPROUTS.

German, *Kopfkohl Grüner*.—French, *Chou de Bruxelles*.

This is one of the best vegetables for winter use, producing from the axils of the leaves an abundance of sprouts resembling small cabbages, of excellent mild flavor. It has never come into general use in this country, probably owing to its being too tender to stand the winters of the Northern States; still, by sowing in April or May and planting out in July, it may be had in fine condition until December, and in the Southern States may be had in use from November to March.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

TALL FRENCH. Very fine. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 70 cts.; lb., \$2.50.

DWARF IMPROVED. A variety producing compact sprouts of excellent quality. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$3.00.

CABBAGE.

German, *Kopfkohl*.—French, *Chou Pomme*.—Spanish, *Repollo*.

The early varieties of Cabbage are cultivated more extensively than any other vegetable. In latitudes where the thermometer never indicates 20 degrees below the freezing point, seed may be sown in the open border in October and planted out on the first opening of spring; but in our Northern States they must either be sown in hot-beds in February, or, what is still better, wintered over in cold frames; for this purpose the seed is sown from the 10th to the 20th of September. Attention to date is important; if too soon the plants might run to seed, and if too late they would be too small. In four or five weeks from the time of sowing they will be fit to transplant into the cold frames. In planting it is very important with Cabbage or Cauliflower that the plant is set down to the first leaf, so that the stem is all under ground, for, if exposed, it will be split by the action of the frost, and will be injured in consequence. The plants are usually set out from the middle of March to the middle of April, in rows about two feet apart, and eighteen inches between the plants in rows. The late varieties are usually sown in the early part of May, and the plants are set in July, at distances of three feet between the rows, and two feet between the plants. If to be grown for market purposes, for complete details see our new book, "Garden and Farm Topics."

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

See "Prizes for Specimen Vegetables," in Introductory.

HENDERSON'S SELECTED EARLY JERSEY WAKEFIELD. (See colored plate and description, page 12.) An extra fine stock. Pkt., 10 cts.; oz., 50 cts.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

HENDERSON'S EARLY SUMMER. (See colored plate and description, page 12.) Pkt., 10 cts.; oz., 50 cts.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

HENDERSON'S PREMIER. (See cut.) An exceedingly early and valuable variety for market gardeners. The heads are somewhat smaller than the Jersey Wakefield; but as it forms very small outer leaves it can be planted one-third closer, 15 or 16 inches apart, each way. Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

EARLY WINNINGSTADT. An excellent sort; heads of large size; one of the best for general use. (See cut.) Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

EARLY FLAT DUTCH. (True.) A valuable variety, largely grown in the vicinity of New York. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

OMAHA, NEB., March 1st, 1880.

I purchased of you last spring half ounce Early Snowball Cauliflower, from which I raised a very fine lot of plants, 95 per cent. of which produced heads, many of which were over ten inches in diameter,
T. N. PARKER.

Henderson's Colossal Red Mangel.
See page 25.

Henderson's Champion Yellow
Globe Mangel.
See page 25.

Lane's Imperial Sugar Beet.
See page 25.

Golden Tankard Mangel.
See page 25.

Henderson's White Plume Celery is the greatest acquisition that has been made to our list of Vegetables in twenty years.

CABBAGE.—Continued.

- EARLY YORK.** A well known favorite variety. Pkt., 5 cts., oz., 20 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.75.
- Large Early York.** Larger and later than the preceding. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.75.
- EARLY FRENCH OX HEART.** A favorite market variety. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.75.
- Large Early Schweinfurt.** A large early variety; fine for summer and fall use. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.
- FILDERKRAUT.** (See description, page 8.) Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.
- FOTTLER'S IMPROVED BRUNSWICK.** An excellent second early and late variety. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.
- ST. JOHN'S DAY EARLY DRUMHEAD.** A very distinct early variety, very dwarf, with medium-sized, close, hard heads, about as early as the Winningstadt. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.
- HENDERSON'S SELECTED LATE FLAT DUTCH.** (See colored plate and description, page 12.) Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.
- LARGE LATE DRUMHEAD.** Grows to a large size, with round compact heads. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.
- LARGE BERGEN DRUMHEAD.** One of the latest; heads of large size and fine quality. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.
- PREMIUM FLAT DUTCH.** This is a very fine strain of this standard variety, so largely grown for fall and winter use. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.
- Stone Mason.** An improved variety of the Mason Drumhead, of sweet and tender quality. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.
- MARBLEHEAD MAMMOTH DRUMHEAD.** This is a late variety, and the largest of all cabbages; heads have been grown weighing sixty pounds. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.
- Silver-leaf Drumhead.** It is a late cropper, and is considered one of the best shipping and market kinds. It forms a very solid head and is an excellent keeper. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.
- GREEN GLAZED.** A late variety that has been grown for many years in the Southern States, and is considered very valuable because of the immunity it enjoys from all insect attacks. It forms heads of good size and quality, and of glossy pea green color. Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.
- Red Dutch.** Used almost exclusively for pickling. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.
- EARLY BLOOD RED ERFURT.** Earlier than the preceding; valuable for pickling. Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.
- AMERICAN DRUMHEAD SAVOY.** The largest heading sort; of excellent flavor. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.
- Early Dwarf Ulm Savoy.** A very early and superior dwarf variety, of fine flavor. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.
- NETTED SAVOY.** (See description on page 16.) Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

CARDOON.

German, *Kardon*.—French, *Cardon*.—Spanish, *Cardo Hortense*.

Cardoon is grown for the mid-rib of the leaf, which requires to be blanched in the same manner as Celery. Sow early in spring, where the plants are to remain, in drills three feet apart, an inch and a half deep, and thin out the young plants to a foot apart in the drills.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Large Spanish. Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

CARROT.

German, *Möhre*.—French, *Carotte*.—Spanish, *Zanahoria*.

The Carrot, like other root crops, delights in a sandy loam, richly tilled. For early crop sow in spring, as soon as the ground is in good working order; for later crops they may be sown any time until the middle of June. Sow in rows about fifteen inches apart, thinning out to three or four inches between the plants. In field culture, when grown for horses or cattle, the rows should be two feet apart, so that the crop can be worked with the Horse Cultivator. As Carrot seed is slow to germinate, all precautions must be taken.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Early French Forcing. The earliest variety; valuable for forcing; root small and of fine flavor. (See cut.) Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

Early Scarlet Horn. An old and favorite sort much esteemed for early summer use. (See cut.) Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

HALF LONG RED (STUMP ROOTED). (See cut.) A variety intermediate in size and period of maturity between the preceding and Long Orange. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

Early Half Long Scarlet (Pointed Rooted.) Very similar to the preceding in all respects, except that it is pointed instead of stump rooted. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

EARLY HALF LONG SCARLET CARENTAN. A new early variety without core. It is an excellent sort for forcing, or used as an early kind for planting in the open ground. (See cut.) Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

LONG ORANGE IMPROVED. Roots of large size, equally adapted for garden or farm culture. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.25.

DANVERS. A valuable sort; in form midway between the Long Orange and Early Horn class. In color it is of a rich shade of orange, growing very smooth and handsome. It is claimed that this variety will yield the greatest bulk with the smallest length of root of any now grown. Under the best cultivation it has yielded from twenty-five to thirty tons per acre. (See cut.) Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.25.

Altringham. Large and fine flavored; an excellent sort. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

Large White Belgian. A very productive kind, grown almost exclusively for stock; grows one-third out of the ground; lower part of the root white, that above ground green. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

Yellow Belgian. When young, the roots are mild, delicate and of good flavor; when full grown valuable for stock. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

CAULIFLOWER.

German, *Blumen-Kohl*.—French, *Choufleur*.—Spanish, *Coliflor*.

Any soil that will grow Cabbage will grow Cauliflower, as their requirements are almost similar; but as the product is more valuable, extra manuring and preparation of the soil will be well repaid.

The seeds may be sown in September and wintered over in the same manner as described for early Cabbage. Where this is not practicable, it may be had nearly as well by sowing the seeds in the hot-bed in January or February, and transplanting the plants at two or three inches apart in boxes or in the soil of another hot-bed, until such time as they are safe to be planted in the open ground, which, in this latitude, is usually from the 15th of March to the 10th of April. If properly hardened off they are seldom injured by planting out too early. For further information, if for private use, see our work, "Gardening for Pleasure," if for market, see "Gardening for Profit."

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cents per lb.

See "Prizes for Specimen Vegetables," in *Introductory*.

HENDERSON'S EARLY SNOWBALL. (See colored plate and description, page 13.) Pkt., 50 cts.; oz., \$8.00.

EXTRA SELECTED EARLY DWARF ERFURT. One of the earliest varieties in cultivation. Very dwarf, large, white, compact heads of finest quality. Pkt., 50 cts.; oz., \$10.00.

EXTRA EARLY DWARF ERFURT. A favorite early market variety; large, compact heads of fine quality. Pkt., 25 cts.; oz., \$2.50; $\frac{1}{4}$ lb., \$9.00.

EXTRA EARLY PARIS. A well known excellent variety. Pkt., 20 cts.; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$10.00.

HALF EARLY PARIS, OR NONPAREIL. One of the best. Pkt., 20 cts.; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$10.00.

Early London. An excellent and very early variety. Pkt., 15 cts.; oz., 75 cts.; $\frac{1}{4}$ lb., \$2.50; lb., \$8.00.

LENORMAND'S SHORT STEMMED. A large late variety, with well formed heads of superior quality. Pkt., 15 cts.; oz., 75 cts.; $\frac{1}{4}$ lb., \$2.50; lb., \$9.00.

Walcheren. An old and favorite variety. Pkt., 15 cts.; oz., 75 cts.; $\frac{1}{4}$ lb., \$2.50.

LARGE LATE ALGIERS. (Tested seed only.) An excellent late sort now getting into general favor. Pkt., 20 cts.; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50; lb., \$12.00.

Veitch's Autumn Giant. A valuable late variety, particularly in the Southern States. Pkt., 25 cts.; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50; lb., \$12.00.

I planted six acres of Henderson's Early Summer Cabbage this season, and was so well pleased with them that I expect to set out twenty acres the coming season, and of course want none but the best seed, so as not to make a mistake on a large scale.

(Mr. Smith a few weeks later ordered 20 pounds of Henderson's Early Summer Cabbage seed.)

May 12th, 1883.

DANIEL SMITH.

Half Long Stump Rooted Carrot.
See page 27.

Half Long Scarlet
Carentan Carrot.
See page 27.

French Forcing Carrot.
See page 27.

Early Scarlet Horn Carrot.
See page 27.

CABBAGE—Henderson's Premier.
See page 25.

Danvers Carrot.
See page 27.

Lenormand's Short Stemmed Cauliflower.
See page 27.

Large Erfurt Celeriac, or Turnip Rooted Celery.
See page 29.

CELERY.

German, *Seleri*.—French, *Céleri*.—Spanish, *Api*.

Our manner of treating the celery crop of late years is very much simplified. Instead of sowing the seed in a hot-bed or cold frame as practiced in Europe, it is sown in the open ground as soon as it is fit to work in April, and kept carefully clear of weeds until the time of planting in June and July. In our warmer climate—if raised in hot-beds, as in England—a majority of the plants would run to seed. The tops are shorn off once or twice before planting, so as to ensure "stocky" plants, which suffer less on being transplanted.

After the ground has been nicely prepared, lines are truck out on the level surface, three feet apart, and the plants set six inches apart in rows. If the weather is dry at the time of planting great care should be taken that the roots are properly "firmed." Our custom is to turn back on the row and press by the side of each plant gently with the foot. This compacts the soil, and partially excludes the air from the roots until new rootlets are formed, which will usually be in forty-eight hours, after which all danger is over. This practice of pressing the soil closely around the roots is essential in planting of all kinds, and millions of plants are annually destroyed by its omission. After the planting of the Celery is completed, nothing further is to be done for six or seven weeks, except running through between the rows with the cultivator or hoe and freeing the plants of weeds until they get strong enough to crowd them down. This will bring us to about the middle of August, by which time we have usually that moist and cool atmosphere essential to the growth of Celery. Then we begin the "earthing up" necessary for the blanching and whitening of that which is wanted for use during the months of September, October and November. The first operation is that of "handling," as we term it; that is, after all the soil has been drawn up against the plant with the hoe, it is further drawn close around each plant by the hand, firm enough to keep the leaves in an upright position and prevent them from spreading. This being done, more soil is drawn against the row (either by the plow or hoe, as circumstances require), so as to keep the plant in this upright position. The blanching process must, however, be finished by the spade, which is done by digging the soil from between the rows, and banking it up clear to the top on each side of the row of Celery. Three feet is ample distance between the dwarf varieties; but when larger sorts are used the width of the rows must be at least four and a half or five feet.

For fuller details on Celery culture, please refer to our new book, "Garden and Farm Topics."

The varieties of Celery offered are all of our own growth.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

See "Prizes for Specimen Vegetables," in *Introductory*.

HENDERSON'S WHITE PLUME. (See description, page 14.) 25 cts. per pkt.; 5 pkts. for \$1.00; $\frac{1}{2}$ oz., \$1.75; oz., \$3.00.

HENDERSON'S NEW ROSE. (See description, page 8.) 25 cts. per pkt.; 5 pkts. for \$1.00; \$1.75 per $\frac{1}{2}$ oz.; \$3.00 per oz.

HENDERSON'S DWARF WHITE. A favorite market variety; of close habit, solid, crisp and tender. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Sandringham Dwarf White. An excellent variety, remarkable for its fine flavor and solidity. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Giant White Solid. Of large size, solid and crisp. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

WHITE WALNUT. Of dwarf habit, seldom attaining a height of more than 20 inches. It is solid and heavy, and has a rich walnut-like flavor. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

HENDERSON'S HALF DWARF. A remarkably fine and new white variety, intermediate in size between the Dwarf and Large White. (See description, page 15.) Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

BOSTON MARKET. A dwarf growing, white variety of excellent quality. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

GOLDEN DWARF. (See description, page 15.) Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

PERFECTION HEARTWELL. (See description, page 15.) Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

LONDON RED. (See special description, page 15.) Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Major Clarke's Pink. (See description, page 15.) Pkt., 15 cts.; oz., 50 cts.; $\frac{1}{4}$ lb., \$1.50.

HOOD'S DWARF RED. An excellent dwarf variety, solid and crisp. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Soup Celery. (Old Seed.) Excellent for flavoring. Lb., 50 cts.

CELERY PLANTS.

Full detailed Price List will be sent to applicants June 20th.

CELERIAC, TURNIP-ROOTED CELERY.

French, *Céleri-rave*.—German, *Knol-Seleri*.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Large Erfurt. A variety of Celery having turnip-shaped roots, which may be cooked and sliced, and used with vinegar, making a most excellent salad. It is more hardy and may be treated in the same manner as Celery. (See *cut*.) Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

New Apple-shaped. A great improvement over the old variety, having small foliage, large tubers almost round in shape and smooth. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

CHICORY.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Large Rooted. Used to mix with, or as a substitute for Coffee. Cultivation the same as the Carrot. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

GHERVIL.

German, *Gartenkerbel*.—French, *Cerfeuil*.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Chervil, Curled. An aromatic sweet herb. The young leaves are used in soups and salads. Sow thinly in May, in drills half an inch deep, one foot apart. Pkt., 5 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

Tuberous Rooted. Sow in March or April; after treatment same as Carrot. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

COLLARDS, True Georgia.

French, *Chou*.—German, *Blätter-Kohl*.

Sow for succession from June to August, and treat as Cabbage, in rows one foot apart.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

CORN, Sugar.

German, *Welschkorn*.—French, *Maïs*.—Spanish, *Maiz*.

All varieties of Sweet or Sugar Corn may be either sown in rows four and a half feet apart, and the seeds placed about eight inches apart in the rows, or planted in hills at distances of three or four feet each way, according to the variety grown or the richness of the soil in which it is planted. The taller the variety, or the richer the soil, the greater should be the distance apart. We make our first plantings in this vicinity about the middle of May, and continue successive plantings every two or three weeks until the last week in July. In more southerly latitudes planting is begun a month earlier and continued a month later.

Add 20 cts. per quart extra if to be sent by mail. Pints furnished at quart rates.

Bushels supplied at reduced rates.

HENDERSON SUGAR. (See colored plate and description, page 9.) Pkt., 15 cts.; qt., 40 cts.; peck, \$2.75.

OLD COLONY. (See description, page 9.) Qt., 25 cts.; peck, \$1.75.

EXTRA EARLY TOM THUMB. A very early, medium sized, eight-rowed variety. Kernels of fair size, white and sweet; stalks about three feet high; it is already a popular market variety, as it is said to be a week earlier than any other sort. Qt., 20 cts.; peck, \$1.50.

EARLY MARBLEHEAD. This variety is probably as early, if not a little earlier, than any of the existing sorts of Sugar Corn. In general appearance it closely resembles the well known Early Narraganset. The stalk is dwarf and it sets its ears very low down, which are of fair market size, and of very sweet, rich flavor. 20 cts. per qt.; \$1.50 per peck.

ARLINGTON, MASS., September 26th, 1883.

I commenced marketing Henderson's Half Dwarf Celery August 6th, 3 dozen to a box; price, \$7.50 per box. I have been selling about 30 boxes a week since, the price now being \$5.00 per box and selling fast. By the side of the Boston Market (which is generally grown here), we have had much better success with Half Dwarf. It has grown well during our severe drought, does not blight and is paying us much better than the other kinds grown by our neighbors.

W. H. BARTLETT.

Varieties of Sweet Corn. See pages 29 and 31.

Improved Early White Spine Cucumber.
See page 31.

Extra Long White Spine Cucumber.
See page 31.

Early Vienna Kohlrabi.
See page 33.

Corn Salad or Feticus.
See page 31.

Batavian Endive. See page 33.

Green Curled Endive. See page 33.

If you are a farmer, or contemplate being one, you will find a fund of valuable information in Mr. Crozier's book, "How the Farm Pays."

CORN, SUGAR.—Continued.

- EARLY NAIRAGANSET.** One of the earliest of the sweet varieties; ears small, tender and of excellent quality. Qt., 20 cts.; peck, \$1.25.
- EARLY MINNESOTA.** (See cut.) Very early; a decidedly excellent variety; ears fair sized and uniform; plant rather dwarf. Qt., 20 cts.; peck, \$1.25.
- CROSBY'S EARLY SUGAR.** An excellent early variety; ears rather small; a great favorite in the markets of all the large cities. Qt., 20 cts.; peck, \$1.25.
- LARGE EARLY EIGHT-ROWED.** One of the best of the sweet varieties; ears long, with white cob. Qt., 20 cts.; peck, \$1.25.
- HICKOX IMPROVED.** A very valuable variety for market; the ears are twelve-rowed, straight and handsome. Quality of the very best. Qt., 20 cts.; peck, \$1.50.
- SQUANTUM SUGAR.** (See description, page 16.) Qt., 25 cts.; peck, \$1.75.
- Early Adams, or Burlington.** Strictly speaking, this is an early field variety, although largely sold for table use; we therefore class it among Sugar Corn. It is grown extensively in this section for the New York markets. Qt., 20 cts.; peck, \$1.50.
- AMBER CREAM.** (See cut.) (See description, page 16.) Qt., 25 cts.; peck, \$1.75.
- Early Dwarf Sugar.** Grows to an average height of two and a half feet; ears small; corn very sweet; one of the earliest. Qt., 20 cts.; peck, \$1.25.
- Darling's Early Sugar.** The earliest of all the tall varieties; ears small, well formed and sweet. Qt., 20 cts.; peck, \$1.25.
- Moore's Early Concord.** (See cut.) Ears large and well filled; early, and unsurpassed for richness and delicacy of flavor. Qt., 20 cts.; peck, \$1.25.
- EGYPTIAN.** The ear is of large size, and the flavor peculiarly rich and sweet, and so superior to other sorts of Sweet Corn, that hotels and families using it will have no other kind as long as this variety is to be had. The introducer, who is a large grower and canner of Corn, states that the superiority of this variety is so well understood in his neighborhood, that the prices he receives for it, both in the canned and green state, will average nearly one-half more than what he can obtain for any other sort he grows. Like all other large sorts, it matures late. Qt., 20 cts.; peck, \$1.25.
- STOWELL'S EVERGREEN.** (See cut.) A late variety, of excellent quality, remaining longer in the green state than any other kind. Quart, 20 cts.; peck, \$1.25.
- TRIUMPH.** Said to be the earliest of the large varieties. Flavor rich and sweet; largely grown as a market sort. Qt., 20 cts.; peck, \$1.25.
- MAMMOTH SUGAR.** (See cut.) A late variety, and one of the largest, productive and fine flavored. Qt., 20 cts.; peck, \$1.50.
- Black Mexican Sugar.** (See cut.) A black grained variety, one of the sweetest of all kinds. Qt., 20 cts.; peck, \$1.50.

CORN, Field.

See special page, just after the end of "General List of Flower Seeds."

SWEET FODDER CORN.

For soiling. Sow three bushels to the acre, broadcast, or half that quantity in drills. Per bushel, \$2.50.

WHITE POP CORN.

For parching (in ears). Pound, 10 cts.; 100 lbs., \$8.00.

CORN SALAD, OR FETTICUS.

German, *Lammersalat*.—French, *Mâche*.—Spanish, *Canonigos*.

A vegetable used as a salad, and sold to a large extent in our New York markets. It is sown on the first opening of spring, in rows one foot apart, and is fit for use in six or eight weeks from time of sowing. If wanted to come in early in spring, it is sown in September, covered up with straw or hay as soon as cold weather sets in, and is wintered over exactly as Spinach. It is largely grown in cold frames in the vicinity of New York, and if covered with straw mats or shutters can be used at any time during the winter.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

CRESS, OR PEPPER-GRASS.

German, *Kresse*.—French, *Cresson*.—Spanish, *Mastruco*.

A well known pungent salad. Requires to be sown thickly and covered very slightly, at frequent intervals, to keep up a succession, as it soon runs to seed.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Extra Curled. Very fine; may be cut two or three times. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

Australian Cress. Fine, piquant flavor. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.00.

CRESS, Water.

German, *Brunnenkresse*.—French, *Cresson de Fontaine*.—Spanish, *Barro*.

This is a well known hardy perennial aquatic plant, growing abundantly along the margins of running streams, ditches and ponds, and sold in immense quantities in our markets in spring. Where it does not grow naturally, it is easily introduced by planting along the margins of ponds and streams, where it increases, both by spreading of the roots and by seeding. It has a particularly pleasant, pungent taste, agreeable to most people. For full details of culture for market, see "Gardening for Profit."

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Pkt., 10 cts.; oz., 50 cts.; $\frac{1}{4}$ lb., \$1.50.

CUCUMBER.

German, *Gurke*.—French, *Concombre*.—Spanish, *Cohembro*.

Cucumbers succeed best in warm, rich, sandy loam ground. They should not be planted in the open air until there is a prospect of settled, warm weather; in the vicinity of New York, about the middle of May. Plant in hills about four feet apart each way. The hills should be previously prepared, by mixing thoroughly with the soil of each a shovelful of well rotted manure. When all danger from insects is past thin out the plants, leaving three or four of the strongest to each hill. The fruit should be gathered when large enough, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

IMPROVED EARLY WHITE SPINE. (See cut.) A favorite market variety, of medium size, deep green, flesh crisp and of fine flavor. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

EXTRA LONG WHITE SPINE. (See cut.) A longer variety of the preceding, and dark green in color; largely used for forcing by market gardeners. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

Boston Pickling. Largely used about Boston by market gardeners. A very productive kind of superior quality. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

Early Frame. An old and popular variety of medium size, straight and handsome; excellent for pickles when young. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

Early Cluster. A much esteemed early sort, growing in clusters, and extremely productive. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

GREEN PROLIFIC. One of the best pickling sorts. Its characteristics are its very uniform growth, hardly ever yielding cucumbers too large for pickling, and in its immense productiveness. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

Early Russian. The earliest variety; fruit produced in pairs; small, hardy and productive. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

LONG GREEN. A fine long fruit, of excellent quality, dark green, firm and crisp. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

LONG GREEN TURKEY. A most desirable variety. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

SHORT GREEN, OR GHEEKIN. Similar to Early Frame; good for pickling. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

Tailby's Hybrid. An excellent variety for family use. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

West India Gherkin, or Burr. Used only for pickles. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

FALLSTON, PA., August 25th, 1883.

I have been using Early Summer Cabbage ever since the first year you sent it out. This year from one and one-seventeenth of an acre of ground set out with this variety, I realized \$550.00. The crop was sold to storekeepers at about \$1.00 per dozen, who, in turn, sold again at an average price nearly double this.

(Mr. Hattie sent in the best and heaviest specimen of Early Summer Cabbage that we received in 1883. It took the prize offered, weighing twenty-four pounds.)

GEO. HATTIE.

Dark Icing, or Ice Rind Water Melon.

Water Melon—California or Improved Odella.

Water Melon—Cuban Queen.

Phinney's Early Water Melon.

Green Citron Musk Melon.

Musk Melon—Bay View.

Musk Melon—California Nectar.

Hackensack Musk Melon.

VARIETIES OF MUSK AND WATER MELON.

See page 35.

CUCUMBER, English Frame or Forcing Varieties.

Sow in small pots in January, February or March, in a hot-bed or hot-house. When grown to three leaves plant out in a previously prepared hill of loose, rich soil, in the centre of the sash. Keep a temperature of 65 degrees at night, to 70 or 80 degrees with sun heat. When grown under glass artificial impregnation of the flowers is necessary by the usual methods of a camel's hair pencil, or a hive of bees should be kept, if grown on a large scale in green-houses; when grown in the open air there is no need for this, as the insects and wind effect impregnation. The following selection includes some of the leading English varieties:

Berkshire Champion.	Duke of Edinburgh.
Blue Gown.	Cuthill's Black Spine.
Carter's Champion.	Invincible.
Improved Sion House.	Master's Prolific.
Dale's Conqueror.	Long Gun.
Lord Kenyon's Favorite.	Prince Albert.
Telegraph.	Munroe's Rabley.
Marquis of Lorne.	Walker's Rambler.

Price per packet, for any of the above, 25 cts.

DANDELION.

German, *Pardeblume*.—French, *Pisse-en-lit*.—Spanish, *Amargon*.

The Dandelion resembles Endive, and is sometimes cultivated for spring greens, or for blanching for salad. The roots, when dried and roasted, are often employed as a substitute for coffee. The seed should be sown in May or June, in drills half an inch deep, and twelve inches apart. The plants will be ready for use the following spring.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Dandelion, Common. Pkt., 10 cts.; oz., 40 cts.

LARGE-LEAVED. Its name partly describes this variety, although we would add that its leaves are fully double the size of the common Dandelion. It is a great advance over the old variety, so largely used for salads, etc. Pkt., 15 cts.; oz., 50 cts.

EGG PLANT.

German, *Eierpflanze*.—French, *Aubergine*.—Spanish, *Berengena*.

The Egg Plant will thrive well in any good garden soil, but will repay good treatment. The seeds should be sown in hot-beds or warm green-house in March or April, and when about an inch high pot in two-inch pots. Plant out about June 1st, two and a half feet apart. If no hot-bed is at hand, they can be grown in any light room where the temperature will average 75 degrees.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

See "Prizes for Specimen Vegetables," in Introductory.

NEW YORK IMPROVED. (See cut.) The leading market variety; excellent and very productive. Pkt., 10 cts.; oz., 60 cts.; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00.

Early Long Purple. Differing in shape from the foregoing; early, hardy and productive. Pkt., 10 cts.; oz., 50 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

BLACK PEKIN. The fruit of this handsome variety is jet black, round in form and very solid; it is quite early, and a very superior variety. Pkt., 10 cts.; oz., 60 cts.; $\frac{1}{4}$ lb., \$2.00; lb., \$7.50.

ENDIVE.

German, *Endivien*.—French, *Chicorée*.—Spanish, *Endivia*.

Endive is one of the best salads for fall and winter use. Sow for an early supply about the middle of April. As it is used mostly in the fall months, the main sowings are made in June and July, from which plantations are formed at one foot apart each way, in August and September. It requires no special soil or manure, and after planting is kept clear of weeds until the plant has attained its full size, when the process of blanching begins. This is effected by gathering up the leaves, and tying them by their tips in a conical form, with bass matting. This excludes the light and air from the inner leaves, which in the course of from three to six weeks, according to the temperature at the time, become blanched. Another and simpler method consists in covering up the plants as they grow, with slats or boards, which serve the same purpose, by excluding the light, as the tying up.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

GREEN CURLED. Very hardy; leaves dark green, tender and crisp. (See cut.) Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$3.00.

FRENCH MOSS CURLED. A beautiful curled variety, of fine quality. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$3.00.

White Curled. Leaves pale green; should be used when young. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$3.00.

BROAD LEAVED BATAVIAN. (*Escarolle*). (See cut.) Chiefly used in soups and stews; requires to be tied up for blanching. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$3.00.

GARLIC.

German, *Knoblauch*.—French, *Ail*.—Spanish, *Ajo*.

Used for flavoring soups, stews and other dishes. Garlic thrives best in a light, well enriched soil; the sets should be planted in early spring, in rows one foot apart, and from one to five inches between the plants in the rows. The crop matures in August, when it is harvested like the Onion.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Garlic Sets. Per lb., 50 cts.

KALE, or BORECOLE.

German, *Blätter-Kohl*.—French, *Chou Vert*.—Spanish, *Breton*.

Kale, or Borecole, may be grown in almost any soil, but the richer it is the more abundant the product. Sow from the middle of April to the beginning of May in prepared beds, covering the seed thinly and evenly; transplant in June and treat in the same manner as for Cabbage. Of all the Cabbage tribe this is the most tender and delicate, and would be much more extensively grown than it is, if its excellent qualities were generally known. The varieties are all extremely hardy, and are best when touched by frost.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

DWARF CURLED KALE, GERMAN GREENS or "SPROUTS." This variety is extensively grown as Winter Greens, sown in the month of September in rows one foot apart, and treated in every way as Spinach. It is ready for use in early spring. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

NEW DWARF VERY EARLY. (See description, page 8.) Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$3.00.

GREEN CURLED SCOTCH. A dwarf variety, spreading under good cultivation to three feet in diameter; leaves of a bright green, beautifully curled. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

BROWN GERMAN CURLED. A very hardy and useful variety. Pkt., 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

Cottager's Kale. A valuable variety of excellent flavor and an immense cropper; grows about a foot in height; leaves rich green, curled and feathered to the ground. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

KOHL RABI.

German, *Kohlrabi*.—French, *Chou-rave*.—Spanish, *Cal de Nabo*.

A vegetable intermediate between the Cabbage and the Turnip. It is best cultivated by sowing the seeds in rows in May, June and July, according to the latitude. In this district we sow through June, for succession, in rows eighteen inches apart, thinning out to eight inches between the plants. It is rather difficult to transplant, and it is generally preferable to sow the whole crop from seed and thin out where it stands, although, when the weather is favorable, the thinnings may be planted at the distances above named.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

EARLY WHITE VIENNA. Flesh white and tender; the best market sort; excellent for table use. Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Early Purple Vienna. Differs from the above in color, being of a bluish purple. Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

LEEK.

German, *Lauch*.—French, *Poireau*.—Spanish, *Puerro*.

The Leek is very hardy and easily cultivated; it succeeds best in a light but well enriched soil. Sow as early in spring as practicable, in drills one inch deep and one foot apart. When six or eight inches high they may be transplanted in rows ten inches apart each way, as deep as possible, that the neck, being covered, may be blanched. If fine Leeks are desired, the ground can hardly be made too rich.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

I am much pleased with Henderson's Early Snowball Cauliflower.

BROWNSTOWN, IND., June 6th, 1884.
The first were ready for market May 29th. WM. SCHWEIN.

LEEK.—Continued.

- LARGE AMERICAN FLAG.** A favorite market variety. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.
- MUSSELBURGH.** Grows to a large size. Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.
- Large Rouen.** A large and excellent variety. Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

LETTUCE

German, *Lattich*.—French, *Laitue*.—Spanish, *Lechuga*.

The cultivation of Lettuce is universal by all who have gardens, and from its tractable nature and freedom from nearly all insects and diseases, it is manageable in the hands of everyone. For main early crop, seed may be sown in the open ground in the middle of September, and transplanted to cold frames as soon as large enough to handle, being wintered over in the same manner as early Cabbage. In dry, well sheltered spots, by covering with leaves or litter, late in the season, Lettuce plants may be saved over the winter without glass covering, in southern parts of the country, without difficulty. The plants for setting out in spring are also sown in cold frames in February, and in hot-beds in March, and by careful covering up at night make plants to set out in April; but these are never so good as those wintered over. For successive crops, sowings may be made in the open ground as early as spring opens until July, and as the plant is somewhat difficult to transplant in hot weather, the best way is to sow it in drills twelve inches apart, and thin out the plants in the rows so that they will stand eight or ten inches apart.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cents per lb.

EARLY CURLED SIMPSON. (True.) This variety, properly speaking, does not head, but forms a compact, close mass of leaves; the earliest and leading market sort. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

BLACK SEEDED SIMPSON. (See description, page 16.) Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

NEW OAK-LEAVED. (See description, page 9.) Pkt., 15 cts.

GREEN FRINGED. This ornamental sort is of a very delicate and peculiar shade of green, the inner parts of the leaves white, with edges beautifully cut and fringed. It not only furnishes an abundance of tender leaves fit for use nearly all the summer, but its ornamental character makes it very desirable for table decoration. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

SALAMANDER. (See description, page 16.) Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

YELLOW SEEDED BUTTER. Like the Salamander, this withstands summer heat well, and stands long before running to seed. It is a very distinct sort, making a large, dense yellow head, very crisp and tender, and excellent in flavor. Its beautiful yellow heart gives it a very handsome appearance. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

Early Prize Head. Forms a mammoth plant, in which even the outer leaves are crisp and tender, and remain so throughout the season. It is slow to run up to seed, of superb flavor and very hardy. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

Tennis Ball, Black Seeded. Forms a close, hard head, with a few outer leaves; a favorite forcing variety. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

BLACK SEED BUTTER. Similar to Tennis Ball, but larger. Used extensively as an outdoor variety. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

BOSTON MARKET. Best for early forcing; grows very compact, and is beautifully white and crisp. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$2.50.

Large India. Withstands summer heat better than most kinds; forms an immense solid head. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

LARGE WHITE SUMMER CABBAGE. Excellent for summer; heads of good size, close and well formed. A fine market variety. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

Drumhead, or Malta. Heads very large, crisp, tender, and of good flavor; one of the best summer varieties. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

Boston Curled. A variety of superior quality, very symmetrical and ornamental in growth. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

HANSON. Heads green, with white heart. Large size, crisp and tender. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

ALL THE YEAR ROUND. A hardy, crisp eating, and compact growing variety, with small, close heads of a dark green color; an excellent summer Lettuce, and valuable for forcing. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

Hardy Green Winter. One of the best winter varieties; very hardy and forms a solid head. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

Brown Dutch. Very hardy. One of the best for winter use. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

PARIS WHITE COS. One of the best of the upright varieties; tender and crisp; should be tied up to ensure blanching. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

MARTYNIA.

The seed pods are used to a considerable extent for pickling, when gathered green and tender. Sow in the open ground in May, and transplant two feet apart.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Martynia Proboscidea. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

MELON, Musk.

German, *Melone*.—French, *Melon*.—Spanish, *Meion*.

Melons thrive best in a moderately enriched light soil; the hills should be from four to six feet apart each way, according to the richness of the soil. If soil is poor or sandy, plant at four feet. Previous to planting, incorporate well with the soil in each hill a couple of shovelfuls of thoroughly rotted manure; plant twelve or fifteen seeds in each hill early in May, and when well up thin out to three or four of the most promising. Pinch off the leading shoots as the growth becomes too luxuriant, and if the fruit sets too numerous, thin out when young, which will increase the size of those remaining and cause them to ripen quicker. Melons may also be forced under glass, like Cucumbers, but it is not often done in this country, for the reason that they can be grown and shipped so easily in the Southern States.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

See "Prices for Specimen Vegetables," in *Introductory*.

California Nectar. (See *cut*.) One of the most deliciously flavored of melons. It is of very fair productiveness, medium early, and attains a good size, often 12 lbs. and over. The flesh is very thick, sweet and juicy, and of unsurpassed flavor. Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Improved Christiana. A very early variety of peculiar flavor relished by many people, although its chief claim to cultivation would generally be considered its extreme earliness. Flesh bright orange. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

Montreal Market. (See description, page 16.) Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50. (See *cut*.)

GREEN CITRON. (See *cut*.) Fruit medium size, deeply netted; shape nearly round, from six to eight inches in diameter; flesh green, and of rich, delicious flavor. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

NUTMEG. Fruit nutmeg shape; skin deep green, finely netted; greenish yellow, rich and sugary. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

SKILLMAN'S NETTED. Form roundish oval; flesh deep green, sweet and richly perfumed; an early and delicious variety. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

HACKENSACK. (See description, page 16.) Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

SURPRISE. This sort has a thin cream colored skin, and thick salmon colored flesh; is an early variety, of delicious flavor. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.75.

BAY VIEW. (See *cut*.) A large, prolific and fine flavored green-fleshed Melon of recent introduction, and from all reports of great value, and likely to become a standard sort. It is stated that with ordinary cultivation this variety has produced Melons weighing from 10 to 15 lbs. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

NETTED GEM. (See description, page 16.) Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

CASABA. A large variety of delicious flavor. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

Ward's Nectar. A green fleshed variety of fine quality, being exceedingly sweet, rich and delicious. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

White Japan. An early, medium sized, roundish variety; skin cream white and fine flavored. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

JENNY LIND. An early variety, of small size, but excellent flavor. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

Large Yellow Cantaloupe. Flesh reddish orange, sweet and of good flavor, an early and productive variety. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

Large Yellow Musk. A very large variety, deeply ribbed and thickly netted; flesh salmon yellow, thick and sweet. Used in the green state for "Mangoes." Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

MELON, Water.

German, *Wasser-Melone*.—French, *Melon d'Eau*.—Spanish, *Sandia*.

Water Melons require a rich, though rather sandy soil for best development, and thrive best in warm latitudes, growing best in the Southern or Southwestern States. Cultivate exactly as for Musk Melons, except that the hills should be just double the distance apart, namely, eight and ten feet.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

See "Prizes for Specimen Vegetables," in Introductory.

PRIDE OF GEORGIA. (See description, page 10.) Pkt., 25 cts.; 5 pkts. for \$1.00.

Mountain Sprout. Fruit of the largest size, longish oval; skin dark green, marbled with lighter shades, red fleshed, of excellent quality. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

MOUNTAIN SWEET. Fruit oblong, dark green, rind thin, flesh red, solid, and very sweet. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

PHINNEY'S EARLY. Flesh deep red, of very superior quality; early and productive; a valuable market variety. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

SCALY BARK WATER MELON. (See description, page 17.) Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

KOLB'S GEM. (See description, page 10.) Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Black Spanish. Fruit of large size, almost round; skin dark green, flesh red, sweet and delicious. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

ICE CREAM (White Seeded.) (True.) Fruit of medium size, nearly round, skin pale green, rind very thin, flesh scarlet, solid, crisp and delicious. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

TRUE GEORGIA RATTLESNAKE, or GYPSY. Fruit large, oblong, striped; flesh red, of fine quality. An excellent variety for market. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

THE "BOSS." Oblong in shape, and of nearly the same diameter throughout. Skin very dark green. Flesh deep scarlet, and of unusually rich flavor. Early, heavy, productive, and a good shipper. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

DARK ICING, or ICE RIND. There are two distinct types of this Melon, of which the one we offer and show elsewhere is known as the Dark Icing. It is a very solid sort with a thin rind, and possesses a most delicious flavor. (See cut.) Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

CALIFORNIA, or IMPROVED ODELLA. One of the best sorts for shipping purposes. (See cut.) Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

CUBAN QUEEN. The markings of light and dark green are regular and distinct. The quality is equal to the best of any of the sorts, while its solidity is so marked that it will weigh at least one-third more than melons of the same size of other varieties, specimens often attaining a weight of 80 lbs. and upward. (See cut.) Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

Sculptured Seeded Japan. A new and very early variety, of fine flavor; flesh cream color. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.50.

Orange. So called from its peculiarity of the rind separating from the flesh when fully ripe; flesh red, tender and sweet, of medium quality. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.50.

Citron. A round, handsome fruit, of small size; used in making of sweetmeats and preserves. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

MUSTARD.

German, *Senf*.—French, *Moutarde*.—Spanish, *Mostaza*.

A pungent salad, used sometimes with Cress. Sow thickly in rows, and cut when about two inches high; for use during winter it may be sown at intervals in boxes, in the green-house or in a frame. For a crop of seeds sow in April, in drills a foot apart, and thin out moderately when about three inches high.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

WHITE LONDON. Best for salads. Oz., 5 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 40 cts.

Brown or Black. More pungent in flavor than the white. Oz., 5 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 40 cts.

New Chinese. Leaves twice the size of the ordinary White Mustard; stems more succulent, of a deeper green; flavor pleasantly sweet and pungent. Oz., 10 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25.

MUSHROOM SPAWN.

For simple and yet full directions for the cultivation of the Mushroom, please refer to Mr. Henderson's books, "Gardening for Pleasure," or "Hand-book of Plants." The spawn we offer is specially made for us three or four times each season, and is always fresh and in proper condition for planting.

English. Per pound, 15 cts.; eight pounds, \$1.00; by mail, 35 cts. per pound.

French, in boxes of 2 lbs., 75 cts.; if by mail, \$1.10.

NASTURTIUM, or INDIAN CRESS.

The seeds, while young and succulent, are pickled and used as capers. The plants are also highly ornamental; the tall variety makes an excellent screen or covering for unsightly places in the garden.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Tall Nasturtium. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

Dwarf Nasturtium. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

OKRA, or GUMBO.

German, *Essbarer*.—French, *Gombo*.—Spanish, *Quibombo*.

This vegetable is extensively grown in the Southern States. Its long pods, when young, are used in soups, stews, etc., and are believed to be very nutritious. It is of the easiest culture, and grows freely, bearing abundantly in any garden soil. It is sown at the usual time of all tender vegetables, in drills two inches deep, setting the plants from two to three feet apart.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

NEW DWARF PROLIFIC. A very early variety, with long, green, slender pods. Very dwarf and productive. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

DWARF WHITE. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

IMPROVED DWARF GREEN. Early and productive. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

Long Green. Long ribbed pods. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

ONION.

German, *Zwiebel*.—French, *Oignon*.—Spanish, *Cebolla*.

The Onion thrives best in a rather deep, rich, loamy soil, and, unlike most vegetables, succeeds well when cultivated on the same ground for successive years. The best culture requires that the ground should be deeply trenched and manured the previous autumn, and laid up in ridges during the winter to pulverize. As early in the spring as the ground is in working order, commence operations by leveling the ground with a rake, and tread it firmly; sow thinly in drills about a quarter of an inch deep and one foot apart; cover with fine soil, and press down with the back of a spade or a light roller. When the young plants are strong enough, thin gradually so that they stand three or four inches apart. Keep the surface of the ground open and free from weeds by frequent hoeing, taking care not to stir the soil too deeply, or to collect it about the growing bulbs.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

See "Prizes for Specimen Vegetables," in Introductory.

When large quantities of Onion Seed are wanted, always write for special prices.

EXTRA EARLY RED. This variety ripens about ten days earlier than the Large Wethersfield, and is rather smaller in size, but close grained and heavy. (See cut.) Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

WETHERSFIELD LARGE RED. The staple variety of the Eastern onion growers; of large size, deep in color, and an excellent keeper. (See cut.) Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

YELLOW GLOBE DANVERS. An excellent variety, mild flavored and very productive; ripens early, and a good keeper. (See cut.) Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

Yellow Dutch, or Strasburg. (See cut.) One of the oldest varieties, the "Silver Skin" of the Eastern States, a good keeper, and well flavored. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

Yellow Globe Danvers Onion.
See page 35.

Wethersfield Red Onion.
See page 35.

Extra Early Red Onion.
See page 35.

Southport White Globe Onion.
See page 37.

White Portugal Onion.
See page 37.

Southport Yellow Globe Onion.
See page 37.

Henderson's Emerald Parsley.
See page 37.

Large Bell Pepper.
See page 38.

ONION.—Continued.

WHITE PORTUGAL, or SILVER SKIN. A handsome Onion, of mild flavor, but not a good keeper; extensively grown for pickling. (See *cut.*) Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

SOUTHPORT WHITE GLOBE. A handsome globular Onion, of mild flavor, and a good keeper. One of the very best. (See *cut.*) Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.75.

LARGE RED GLOBE. Differs from the preceding only in color. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

SOUTHPORT YELLOW GLOBE. Same shape as preceding; color yellow. An excellent keeper. Our stock of this is perhaps the finest in the country. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.75.

The following are Italian varieties, and specially suited for cultivation in the Southern States:

GIANT ROCCA. A splendid large variety from Naples, globular shape, bright brown skin and delicate flavor. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

NEW NEAPOLITAN MARZAJÓ. A. One of the earliest Onions in cultivation; it is a white skinned Italian variety, and an excellent keeper. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

QUEEN. The earliest of all Onions; remarkable for the rapidity of its growth, and very mild flavor. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$3.00.

LARGE WHITE ITALIAN TRIPOLE. A new and excellent variety of quick growth and mild flavor. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

LARGE RED ITALIAN TRIPOLE. This has the same characteristics as the White Tripoli; distinct in color, however. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

ONION SETS.

The sets should be planted out as early in spring as the ground is dry enough to work; plant them in rows one foot apart, with sets three or four inches apart. When raised from sets, the Onions can be used in the green state in June, or they will be ripened off by July. Sets are produced by sowing the seed as early as the ground can be worked in the spring, very thickly, in beds or drills; and about the middle of July, or whenever the tops die down, the small bulbs, or sets, are gathered and kept spread thinly in a cold, dry cellar, or loft, until the following spring. The Potato and Top Onions are grown only from bulbs.

Add 20 cts. per quart extra if to be sent by mail.

White Onion Sets. Qt., 25 cts.; peck, \$1.50.

Yellow Onion Sets. Qt., 25 cts.; peck, \$1.50.

Potato Onions. Qt., 25 cts.; peck, \$1.75.

Top, or Button Onions. Qt., 20 cts.; peck, \$1.25.

Above prices subject to variation.

PARSNIP.

German, *Pastinake*.—French, *Panais*.—Spanish, *Pastinaca*.

Sow as early in spring as the weather will admit in drills fifteen inches apart, covering half an inch deep. When well up, thin out to five or six inches apart in the rows. Unlike Carrots, they are improved by frost, and it is usual to take up in fall a certain quantity for winter use, leaving the rest in the ground until spring, to be dug up as required.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

LONG SMOOTH OR HOLLOW CROWN. Best for general use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

The Student. A fine flavored variety. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

Early Round. An early variety, but of small size. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

PARSLEY.

German, *Petersilie*.—French, *Persil*.—Spanish, *Perejil*.

Parsley succeeds best in a rich, mellow soil. As the seeds germinate very slowly, three or four weeks elapsing sometimes before it makes its appearance, it should be sown early in spring, previously soaking the seed for a few hours in tepid water. Sow thickly in rows a foot apart, and half an inch deep. For winter use protect in a frame or light cellar.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

HENDERSON'S EMERALD. (See description, page 10.) Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

DOUBLE CURLED. A fine dwarf variety, beautifully curled; excellent for garnishing. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

CHAMPION MOSS CURLED. A very select stock, beautifully crimped and curled. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

FERN LEAVED. A very beautiful variety, being more like a crested fern or moss than Parsley; very valuable for table decoration. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

Plain Parsley. The leaves of this sort are plain; it is harder than the curled variety; good for flavoring. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 80 cts.

Hamburg or Turnip-Rooted. A fleshy rooted kind; the roots used for flavoring soups. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

PEAS.

German, *Erbse*.—French, *Pois*.—Spanish, *Guizante*.

Peas come earliest to maturity in light, rich soil. For general crop, a deep loam, or a soil strongly inclining to clay, is best. For early crops, decomposed leaves or leaf mold should be used, or if the soil is very poor, stronger manure may be used. For general crops a good dressing should be applied, and for the dwarf growing kinds the soil can hardly be too rich. When grown as a market crop, Peas are never staked, and are sown in single rows, two or three inches deep, and from two to three feet apart, according to variety or the strength of the soil. When grown in small quantities for private use, they are generally sown in double rows, six or eight inches apart, and the tall varieties staked up by brush. For an early crop, sow in February, March or April, according to latitude, as soon as the ground can be worked, and make repeated sowings every two weeks for succession. After the first of June, sowing should be discontinued until the middle of August, when a good crop may sometimes be secured by sowing an extra early sort.

Add 30 cts. per quart extra if to be sent by mail. Pints furnished at quart rates, except where noted.

Prices by the Bushel given on application.

Extra Early.

HENDERSON'S FIRST OF ALL. (See description, page 18.) Qt., 30 cts.; peck, \$2.00; bush., \$7.00.

AMERICAN WONDER. (See special description, page 18.) Qt., 40 cts.; peck, \$2.50; bush., \$9.00.

CARTER'S FIRST CROP. One of the earliest varieties, $2\frac{1}{2}$ feet. Pt., 15 cts.; qt., 25 cts.; peck, \$1.75.

IMPROVED DANIEL O'ROURKE. A favorite extra early variety. Pt., 15 cts.; qt., 25 cts.; peck, \$1.75.

Philadelphia Extra Early. A very desirable early variety, largely grown South. Pt., 15 cts.; qt., 25 cts.; peck, \$1.75.

Caractacus. An early productive Pea, of good flavor; one of the best early round kinds. Pt., 15 cts.; qt., 25 cts.; peck, \$1.75.

LAXTON'S ALPHA. The earliest of all the wrinkled Peas; of fine quality and very prolific; pods large and well filled; three feet. Qt., 30 cts.; peck, \$2.00.

LAXTON'S MINIMUM. A white, wrinkled sort; a prodigious bearer, exceedingly early, and very dwarf, and of splendid quality. From its low growth it will undoubtedly prove to be one of the best varieties for forcing, either in the hot-bed or green house. Qt., 40 cts.; peck, \$2.75.

WILLIAM I. One of the newer varieties, of very fine quality. It is about one-third larger than the Philadelphia Extra Early, and about five days later. Qt., 30 cts.; peck, \$2.00.

McLEAN'S LITTLE GEM. A dwarf, green wrinkled marrow, very prolific, of superior flavor, and a first early; one foot. Qt., 30 cts.; peck, \$2.00.

EXTRA EARLY PREMIUM GEM. A very fine dwarf Pea of the Little Gem type, on which it is a great improvement. Qt., 30 cts.; peck, \$2.00.

KENTISH INVICTA. About five days later than the improved Daniel O'Rourke; ripens all together; pods of a fine green color; very prolific, and of excellent flavor. One of the best for canning. A very good market variety; two and one-half feet. Pt., 15 cts.; qt., 25 cts.; peck, \$1.75.

McLEAN'S BLUE PETER. This may be called a larger, better and earlier form of Tom Thumb having blue seed. It is remarkably dwarf, very early, a capital bearer and of excellent quality. Qt., 30 cts.; peck, \$2.00.

Tom Thumb. Remarkably dwarf and early, of excellent quality, and yields abundantly; one foot. Qt., 30 cts.; peck, \$2.00.

Second Early Varieties.

FILLBASKET. This variety is one of the best second early Peas in cultivation; dwarf growing; blue, of excellent flavor. Qt., 30 cts.; peck, \$2.00.

McLEAN'S ADVANCER. An early green wrinkled variety of delicious flavor; 2 feet. Qt., 30 cts.; peck, \$2.00.

I take pleasure in saying that out of the large bill of seeds I bought of you, none failed, but all proved to be first-class.

MOUTH OF EAST RIVER P. O., VA., July 3d, 1884.

R. THAXTON.

PEAS.—Continued.

- Laxton's Prolific Long Pod.** A very productive variety, with long pods, containing from 10 to 12 peas each; 4 feet. Pkt., 15 cts.; qt., 25 cts.; peck, \$1.75.
- Bishop's Dwarf Long Pod.** An excellent second early variety; first-class bearer; pods well filled, 2 feet. Pkt., 15 cts.; qt., 25 cts.; peck, \$1.75.
- EUGENIE.** White wrinkled, an excellent cropper; 3 feet. Pkt., 15 cts.; qt., 25 cts.; peck, \$1.75.

For General Crop.

- BLISS' ABUNDANCE.** (See description, page 11.) Pkt., 40 cts.; qt., 75 cts.; peck, \$5.00.
- BLISS' EVER-BEARING.** (See description, page 17.) Pkt., 40 cts.; qt., 75 cts.; peck, \$5.00.
- CHAMPION OF ENGLAND.** One of the best and most popular Peas in cultivation; 5 feet. Pkt., 15 cts.; qt., 25 cts.; peck, \$1.75.
- Blue Imperial.** A good bearer, and of fine flavor; 3 feet. Pkt., 15 cts.; qt., 25 cts.; peck, \$1.75.
- HAIR'S DWARF MAMMOTH.** One of the richest flavored and best late varieties; 2½ feet. Pkt., 15 cts.; qt., 25 cts.; peck, \$1.75.
- CULVERWELL'S TELEGRAPH.** A very valuable variety, so distinct in appearance as to be almost considered a new type. It is a second early sort and a strong grower, producing large pods, showing ten to twelve large peas in each pod. Height, 5 feet. Peas, when cooked, are of a deep green color, and of very fine flavor. Pkt., 20 cts.; qt., 35 cts.; peck, \$2.00.
- VEITCH'S PERFECTION.** A large and delicious marrow Pea, and an abundant cropper; 4 feet. Pkt., 15 cts.; qt., 25 cts.; peck, \$1.75.
- YORKSHIRE HERO.** A splendid wrinkled marrow, of branching habit, and an abundant bearer; 2½ feet. Pkt., 15 cts.; qt., 25 cts.; peck, \$1.75.
- JOHN BULL.** One of the very best varieties ever sent out by the eminent English raiser, Mr. Laxton, who describes it as attaining a height of 3 feet, and as having proved to be one of the most valuable and best of main crop Peas. It is a very heavy cropper, and possesses an exceedingly rich flavor. It is what is known as a blue wrinkled variety. Qt., 50 cts.
- STRATAGEM.** (See description, page 11.) Pkt., 40 cts.; qt., 75 cts.
- PRIDE OF THE MARKET.** (See description, page 11.) Pkt., 40 cts.; qt., 75 cts.
- LAXTON'S MARVEL.** A variety of quite recent introduction, attaining a height of 3 feet, and a very prolific bearer, producing white wrinkled peas in handsome curved pods. Qt., 30 cts.; peck, \$2.00.
- LAXTON'S OMEGA.** This dwarf late Pea is remarkably prolific; the pods are very fine, and closely filled, and the flavor and color of the Peas, when cooked, unequalled; 2½ feet. Qt., 30 cts.; peck, \$2.00.
- WHITE MARROWFAT.** A favorite marrow sort; 6 feet. Qt., 20 cts.; peck, \$1.25.
- BLACK-EYED MARROWFAT.** This, as well as the preceding, is extensively grown as a field Pea; hardy and productive; 4 feet. Qt., 20 cts.; peck, \$1.25.

Edible Podded Peas.

- EARLY DWARF WRINKLED SUGAR.** A French variety, early, and of good quality; 2½ feet. Qt., 50 cts.; peck, \$3.75.
- TALL SUGAR.** (Edible pods.) Can be used either shelled, or cooked in the pods, which, when young, are very tender and sweet; 5 feet. Qt., 40 cts.; peck, \$2.50.

PEPPER.

German, *Pfeffer*.—French, *Piment*.—Spanish, *Pimiento*.

Grown largely for pickles. Sow in hot-bed early in April, and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil, in rows eighteen inches apart. They may also be sown in the open ground when danger of frost is past, and the soil is warm and weather settled.

If by mail in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cts. per lb.

- GOLDEN DAWN.** A most beautiful and distinct new Pepper. In shape and size it is very like the well known Large Bell, but is of a much more delicate flavor; and the color, of course, is altogether different, being of a beautiful golden yellow. Altogether it is very novel and distinct. 10 cts. per pkt.; 40 cts. per oz.; \$1.25 per ¼ lb.; lb., \$4.00.
- SWEET SPANISH.** One of the largest and earliest varieties; the flesh is sweet and mild. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.

- LARGE BELL, OR BULL NOSE.** An early variety of mild flavor; rind thick and fleshy. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.
- SWEET MOUNTAIN, OR MAMMOTH.** Similar to the preceding in shape and color, but larger and milder in flavor. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.
- SQUASH, OR TOMATO SHAPED.** The most generally grown for pickling; very productive. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.
- LONG RED CAYENNE.** Fruit brilliant coral red, conical, from three to four inches in length; very productive. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.
- Long Yellow Cayenne.** Similar in shape to the Long Red, but of a rich, glossy yellow; both varieties are very ornamental. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.
- CRANBERRY.** An interesting variety; fruit resembles in appearance the Cranberry. One of the best pickle sorts. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.
- GIANT EMPEROR.** This sort bears scarlet fruit, six inches long and a quarter of an inch thick. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.
- Chili.** (True.) Very piquant and prolific. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.
- Cherry Red.** An exceedingly ornamental variety; fruit round, of a rich, glossy, scarlet color. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.
- MONSTROUS, OR GROSSUM.** A French sort; fruit very large and of irregular shape; good for Mangoes. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.
- OXHEART.** Medium size, heart shaped, very productive and piquant; excellent for pickling. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.

POTATO.

German, *Kartoffel*.—French, *Pomme de Terre*.

The Potato, like all robust growing vegetables, can be grown with varying success on soils of all kinds, and in all conditions of fertility, but the soil best suited to it is a sandy loam. In all heavy soils it is more subject to disease, and the flavor also is much inferior. In breaking up good pasture land, the decaying sod answers sufficiently well for the first year in lieu of manure. Manure is applied either in rows or hills, or broadcast over the hills and plowed in—the latter in most cases being preferable. If the soil is good, but little manure is required. In highly enriched soil the plants are more liable to disease than when grown in soil that is naturally good. The best fertilizers are those of a dry or absorbent nature, as plaster, lime, superphosphate of lime and bone dust. For wet soils these are particularly beneficial, as they not only promote growth, but prevent disease. Plant as early in spring as the ground can be had in fair working order, in hills or ridges, about three feet apart; covering in light, warm soils, about four inches deep, but in cold, wet situations, two and a half or three inches will be sufficient.

Prices of all potatoes subject to variation. At the low rates here offered, customers are expected to pay delivery charges when sent either by freight or express.

- VANGUARD.** (See description, page 19.) By mail, postpaid, 3 lbs., \$1.00. By express or freight: peck, \$1.00; bush., \$3.00; bbl., \$6.00.
- JUMBO.** This is one of the very heaviest growing potatoes in cultivation, being at least one-third more than the Peerless, which, as is generally known, is a very heavy yielder. It seems to be entirely free from rot and is one of the very best keepers. The tubers are nearly round; skin white; eyes small and sunken; flesh white, of excellent flavor. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
- EARLY MAYFLOWER.** (See description, page 19.) 3 lbs., by mail, post-paid, \$1.00. Peck, 75 cts.; bush., \$2.50; bbl., \$5.00.
- EARLY SUNRISE.** A new variety in 1883, very early and productive. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
- CLARKE'S No. 1.** Said to be earlier than the Early Rose and very productive. Cooks mealy and excellent flavor. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
- ROCHESTER FAVORITE.** A late variety, tubers white, oval, oblong and very uniform in size; an immense yielder, and a handsome variety for market; excellent for table use. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
- ST. PATRICK.** One of the handsomest varieties ever grown, smooth, regular, with very few and shallow eyes, oblong in shape; large yielder and of best quality. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
- BEAUTY OF HEBRON.** One of the best early sorts, with white skin and flesh. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
- EARLY MAINE.** (See description, page 11.) Peck, 75 cts.; bush., \$2.50; bbl., \$5.00.
- EARLY ELECTRIC.** (See description, page 11.) Peck, 75 cts.; bush., \$2.50; bbl., \$5.00.
- HALL'S EARLY PEACHBLOW.** (See description, page 11.) Peck, \$1.50; bush., \$4.00; bbl., \$8.00.

RICHMOND, IND., July 29th, 1884.

I sell a good many cabbage plants to neighboring farmers, and their average opinion runs about this way: That they prefer the plants raised from Peter Henderson's seed to any other.

FRANK MAAY.

POTATO.—Continued.

DAKOTA RED. (See description, page 11.) 3 lbs., by mail, post-paid, for \$1.00. Peck, \$1.75; bush., \$5.00; bbl., \$10.00.
EARLY ROSE. The leading variety for earliness, quality and productiveness. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
EXTRA EARLY VERMONT. Similar in general appearance to the Early Rose; but said to be hardier and more productive. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
WHITE ELEPHANT. Late, large, fine-quality and enormously productive. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
MAMMOTH PEARL. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
SNOWFLAKE. A variety of medium earliness; and for mealiness and delicate flavor unsurpassed. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
WHITE STAR. Medium early and large cropper; cooking qualities of the very best. It is also one of the best keepers. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
EARLY OHIO. Tubers almost round, color same as Early Rose; flesh solid; cooks dry and mealy; very early. Peck, 50 cts.; bush., \$1.75; bbl., \$3.50.
TRIUMPH. (See description, page 11.) Peck, 75 cts.; bush., \$2.50; bbl., \$5.00.
 All of our Potatoes are Northern grown, and from carefully selected stock.

PUMPKIN.

German, *Kurbis*.—French, *Courge*.—Spanish, *Calabaza*.

Pumpkins are now principally cultivated for agricultural purposes. They are usually planted in fields of Corn or Potatoes, but may be profitably raised in fields by themselves. Sow first of May, in hills eight feet apart.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cents per lb.

SUGAR. (See cut.) This variety is smaller than the Large Field, but of finer grain, sweeter, and very prolific. First rate either for the table or for feeding to stock. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 60 cts.
LARGE CHEESE. The best variety for cooking purposes. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 60 cts.
CUSHAW. In great favor in the Southern States. In appearance it much resembles the Winter Crookneck Squash; color white, striped and mottled with green. Flesh salmon colored. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
Large Tours, or Mammoth. Grows to an immense size, often weighing over 100 lbs. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.
Connecticut Field. (See cut.) Very productive; largely grown for feeding stock. Oz., 5 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 40 cts.

RHUBARB.

German, *Rhabarber*.—French, *Rhubarbe*.—Spanish, *Ruibarbo Bastardo*.

Sow in April, in drills a foot apart, thinning out to about the same distance apart in the rows when a few inches high. In fall, or the following spring, transplant into deep, rich soil, about three feet apart each way. If propagated by dividing the roots, it may be done either in fall or spring, planting it at the same distance apart as given above. The large roots of Rhubarb are easily forced, if taken up and packed closely together under the stage of a green-house or warm cellar, as no light is necessary for the development of the stalk.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Linnæus. Early, large and tender. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.
Victoria. Very large, later than Linnæus. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

For Price of Rhubarb Roots, see Vegetable Plants.

RADISH.

German, *Rettig*, *Radieschen*.—French, *Radis*, *Rave*, *Petite Rave*.—Spanish, *Rabano*.

Radishes thrive best in a light, sandy loam; heavy or clayey soils not only delay their maturity, but produce crops much inferior both in appearance and flavor. For a successive supply, sow from the middle of March until September, at intervals of two or three weeks. For an early supply they may be sown in a hot-bed in February, care being taken to give plenty of ventilation, otherwise they will run to leaves.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

LONG SCARLET SHORT-TOP. The standard variety for market and private gardeners. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
WOOD'S EARLY FRAME. Excellent for forcing. (See description, page 20.) Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
EARLY SCARLET TURNIP. Rather more delicate in flavor than the above; excellent for summer use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
EARLY ROUND DARK RED. Its shape is of the best type of the round sorts; color of skin a very dark red; white flesh, with very small tap root. It makes very small tops, and it is on this account particularly valuable for forcing in frames or green-houses, for which we specially recommend it. It is as well adapted, however, for summer use in the open ground, as any of the other strictly summer sorts. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
EARLY WHITE TURNIP. Very early; flesh pure white. Good shape and mild flavor. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
WHITE TIPPED SCARLET TURNIP. This is an early variety of medium size, of excellent flavor and of very handsome appearance. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
FRENCH BREAKFAST. A variety of quick growth, very mild and tender. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
White Summer Turnip. Excellent for summer use; of mild flavor. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
YELLOW SUMMER TURNIP. Grows to a large size; excellent to stand the heat and drought of summer. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
Gray Summer Turnip. An excellent variety for summer use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
Long White Naples. Flesh white, crisp and mild. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
GRAY LONG WINTER. An exceedingly fine winter variety; grows somewhat larger than the Black Spanish; good keeper, and of a gray color. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
Olive-Shaped Scarlet. Oblong shaped, flesh rose colored; a good summer variety. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
White Olive-Shaped. A very valuable forcing variety. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
ROSE CHINA WINTER. Bright rose color; flesh firm and piquant; excellent for winter use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
LONG BLACK SPANISH. One of the hardiest and best for winter use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
ROUND BLACK SPANISH. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
Long White Spanish. Rather milder in flavor than the Long Black Spanish. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 85 cts.
CALIFORNIA MAMMOTH WHITE WINTER. A giant white-fleshed Fall Radish of excellent quality. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

SALSIFY, or Oyster Plant.

German, *Rocksart*.—French, *Salsifis*.—Spanish, *Ostra Vegetal*.

The Oyster Plant succeeds best in light, well enriched, mellow soil, which, previous to sowing the seeds, should be stirred to a depth of eighteen inches. Sow early in spring, in drills fifteen inches apart; cover the seeds with fine soil, an inch and a half in depth, and when the plants are strong enough, thin out to six inches apart. (See cut.)

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

SCORZONERA, or BLACK OYSTER PLANT.

This vegetable requires the same treatment as Salsify, which it nearly resembles; it is not, however, so generally esteemed. Sow in drills eighteen inches apart, and thin out to nine inches from plant to plant.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50

I gathered Henderson's First of All Peas fifty-nine days from planting, a VERY heavy yield. Charleston, W. VA., June 11th, 1884. Carter's first crop, eight days behind them. D. L. RUFENER.

Hubbard Squash.

Cheese Pumpkin.

English Vegetable Marrow

Connecticut Field Pumpkin.

Boston Marrow Squash.

Sugar Pumpkin.

VARIETIES OF PUMPKIN AND SQUASH (See pages 39 & 41.)

SEA-KALE.

German, *Seekohl*.—French, *Crambe Maritime*.—Spanish, *Breton de Mar*.

Cultivated for its blanched shoots, which are cooked as Asparagus. A supply may be had all winter by planting the roots closely in a warm cellar before frost. Sow one inch deep, in drills two feet apart, thin out to six inches, and the next spring plant in hills three feet apart; as this vegetable is only used like Celery when blanched, the plants must be excluded from the light by covering up with leaves or litter. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

SORREL.

Broad Leaved. Much used for salads. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.75.

SPINACH.

German, *Spinat*.—French, *Epinard*.—Spanish, *Espinaca*.

This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture, and may be had fit for use the entire season. The main crop is sown in September; it is sometimes covered up in exposed places with straw or salt hay during winter, which prevents it from being cut with the frost; but in sheltered fields there is no necessity for covering. For summer use it may be sown at intervals of two or three weeks, from April to August. Spinach is best developed and most tender and succulent when grown in rich soil.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

HENDERSON'S NORFOLK SAVOY-LEAVED. A most valuable variety, which produces nearly twice the weight of crop as the ordinary sorts, and has another most important value in the fact that it is the hardiest of all varieties of Spinach, as we have proved to our entire satisfaction, by a comparative test in our grounds for the past five winters. In appearance the leaf is wrinkled in the same way peculiar to the Savoy Cabbage; hence the name. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 50 cts.

ROUND LEAF. The main market sort; equally good for either fall or spring sowing. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 50 cts.

LONG STANDING. The valuable characteristic of remaining a long time before running to seed is even more marked in this variety of Spinach than in the sort just mentioned. In all other respects the Long Standing closely approaches the well known Round Leaf. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 50 cts.

Prickly. Stands well in winter, but gives less bulk per acre than the Round Leaf. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 50 cts.

LARGE ROUND LEAF VIROFLAY. A new variety, with very large, thick leaves. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 50 cts.

NEW THICK-LEAVED. One of the very best market varieties. Produces a large, thick, strong green leaf, somewhat crumpled, and possesses the valuable quality of standing a long time before running to seed. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 50 cts.

New Zealand. Produces leaves in great abundance throughout the summer; should be raised in heat and transplanted three feet apart each way into light, rich soil. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

SQUASH.

German, *Kurbiss*.—French, *Courge*.—Spanish, *Calabasa Tomatana*.

Squashes are of luxuriant and vigorous growth, and although they will grow readily on almost any soil, they will well repay generous treatment. Like all vegetables of this class, it is useless to sow until the weather has become settled and warm. Light soils are best suited for their growth, and it is most economical of manure to prepare hills for the seeds in ordinary manner by incorporating two or three shovelfuls of well rotted manure with the soil for each hill. For the bush varieties, from three to four feet each way, and for the running sorts, from six to eight feet. Eight or ten seeds should be sown in each hill, thinning out after they have attained their rough leaves, leaving three or four of the strongest plants.

See "Prizes for Specimen Vegetables," in *Introductory*. If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

PERFECT GEM. Equally desirable either as a summer or a winter Squash, as it possesses the best features of both classes. It is a strong grower and a large yielder, as many as 24 Squashes having been produced from a single vine. The Squashes are from 4 to 6 inches in diameter, of a creamy white, with thin, smooth shell, slightly ribbed. The flesh, cooked, is dry, sweet and rich in flavor, and free from the strong taste often found in winter sorts. It

is a splendid keeper, and in a cool, dry room, free from frost, it may be kept until spring. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

PINEAPPLE. (See description, page 10.) Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.50.

GREEN STRIPED BUSH, or BERGEN. A small white Squash, with green stripes, of excellent flavor. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

WHITE BUSH SCALLOPED. An early market variety, excellent for shipping. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

YELLOW BUSH SCALLOPED. A sub-variety of the preceding, principally differing in color. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

BUSH SUMMER CROOK NECK. Early, productive, and of good quality; fruit orange yellow, covered with warty excrescences. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

Butman. A fine grained and distinct variety; dry, sweet and delicious flavor. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.75.

BOSTON MARROW. (See cut.) A much esteemed variety, coming in about ten days later than the bush sorts; a good keeper, and of unsurpassed flavor. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

COCOANUT. Very prolific, producing 6 to 12 on a vine. Outer color, light yellow, the bottom of the fruit being of a rich green hue. Quality, first-rate. Pkt., 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

HUBBARD. (See cut.) A general favorite, and more largely grown as a late sort than any other; of large size, flesh fine grained; dry and of excellent flavor. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25.

MARBLEHEAD. An excellent variety, resembling the Hubbard. The flesh is of rather lighter color than that variety, while its combination of sweetness, dryness and delicious flavor is remarkable. It yields equal to the Hubbard, and its keeping qualities are said to be better. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

ESSEX HYBRID. (For description, see page 10.) Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

MAMMOTH CHILI. (See large illustration.) Grows to an immense size, often weighing over two hundred pounds; excellent for all uses. By reference to our illustration it will be seen what specimens our seeds may be expected to produce under favorable conditions. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Winter Crook Neck. A variety largely grown in some of the Eastern States; flesh close-grained, sweet and fine flavored; plant in hills nine feet apart. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25.

American Turban. Flesh orange-yellow; thick, fine-grained and well flavored; an excellent variety for use in the fall and early winter. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

Vegetable Marrow. (See Cut.) A favorite English sort; skin greenish-yellow, flesh white, soft, and of rich flavor; quite distinct from all the preceding. Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

TOBACCO SEED.

Connecticut Seed Leaf. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Imported Havana. Pkt., 10 cts.; oz., 50 cts.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Virginia. Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Kentucky. Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

TOMATO.

German, *Liebesapfel*.—French, *Tomate*.—Spanish, *Tomate*.

This vegetable is one of the most important of all garden products. The seed should be sown in a hot-bed, green-house, or inside the window or sitting-room, where a night temperature of not less than 60 degrees is kept, about the first week in March, in drills five inches apart, and half an inch deep, or broadcast if desired. When the plants are about two inches high they should be set out four or five inches apart in same temperature, or removed into small pots, allowing a single plant to a pot; they are sometimes transplanted a second time into larger pots, by which process the plants are reendered more sturdy and branching. About the middle of May, in this latitude, the plants may be set in the open ground; they are planted for early crops on light, sandy soil, at a distance of three feet apart, in hills in which a good shovelful of rotted manure has been mixed. On heavy soils, which are not suited for an early crop, they should be planted four feet apart. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of room or kitchen.

French Breakfast
Radish.
See page 39.

White Tipped Scarlet
Turnip Radish.
See page 39.

Scarlet Turnip Radish.
See page 39.

Yellow Summer Turnip
Radish.
See page 39.

Extra Early Purple Top Munich Turnip.
See page 43.

Purple Top White Globe Turnip. See page 43.

Salsify.
See page 39.

Improved Am. Ruta Baga.
See page 41.

New Extra Early Milan Strap Leaf
Turnip.
See page 8.

TOMATO.—Continued.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

See "Prizes for Specimen Vegetables," in Introductory.

THE CARDINAL. (See description, page 20.) Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

LIVINGSTONE'S FAVORITE. (See description, page 20.) Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25; lb., 4.00.

MAYFLOWER. (See description, page 20.) Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

PERFECTION. The fruit is larger in size than the Acme, and a little smaller than the Paragon; color, blood red; it is as early as the Canada Victor (one of the first to ripen), almost round in shape, perfectly smooth, and very solid, of the best quality, enormously productive, bearing all through the season until frost. As it is very solid, and has a tough skin, it will be found very valuable for shipping purpose, and it has the further merit of ripening all over and through at the same time. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

ACME. This Tomato is one of the earliest and handsomest varieties ever introduced. The fruit is of medium size, perfectly smooth and regular in shape, very solid, and a great bearer. Color quite distinct, being crimson with a pinkish tinge. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

PARAGON. The description of the Acme will answer for this in all respects, except that in the Paragon the color is of a bright, glossy crimson, entirely free from the pinkish tinge characteristic of the Acme, and for this reason it will, in some sections, be considered more desirable as a market sort. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

THE TROPHY. This, when well grown, is without doubt one of the best Tomatoes. It is unsurpassed in size, in flavor, in productiveness, and in every other desirable quality. Our seed is carefully grown for us, and is saved only from perfect specimens, the finest fruits being selected each year for seed. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

TROPHY, EXTRA SELECTED. Saved only from specimens of perfect form, weighing from 16 to 24 ounces. Pkt., 15 cts.; oz., 50 cts.; $\frac{1}{4}$ lb., \$1.50.

ESSEX HYBRID. Quite an early variety, attaining a large size, perfectly smooth, and of a bright pink color, closely resembling Acme, but larger and less liable to rot. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

The Conqueror. One of the earliest varieties; fruit of good size, very uniform in shape. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

GENERAL GRANT. A very superior variety; fruit large, of good quality, and ripens rapidly and thoroughly. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

HATHAWAY'S EXCELSIOR. Early, of medium size, smooth, very solid, and of excellent quality. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

CANADA VICTOR. One of the earliest, of medium size, very symmetrical in shape. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

QUEEN. A variety that has been specially recommended to us for canning, and which is grown around Baltimore for this purpose; fruit somewhat resembles the Trophy in appearance. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

VICK'S CRITERION. Fruit medium size, plum shape, and in color somewhat resembling the Acme. This variety is very highly spoken of in England. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., 3.50.

GOLDEN TROPHY. Identical in form and size with the well known Trophy, but in color a beautiful canary yellow, sometimes streaked lightly with red. Well suited for preserving as well as for table. Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

ISLAND BEAUTY. The fruit of this is very large, of medium earliness, resembling the Trophy in appearance; and is produced in clusters of about ten fine formed fruits in one bunch. Color a deep crimson. Is a very prolific bearer and the quality of the very best. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Feejee Island (Lester's Perfected). Fruit very large, light red or pinkish color, very solid, and well flavored; a good late sort. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Large Yellow. Similar in all respects to the large, smooth red, except in color, which is of a bright yellow. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Pear Shaped. Used for preserving and pickling. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00.

Yellow Plum. A beautiful variety, used principally for pickling. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00.

Red Cherry. A small early variety, size and shape of a cherry; for pickling. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00.

Greengage. Resembling a yellow plum in shape and color; excellent for preserving. Pkt., 10 cts.; oz., 40 cts.

Strawberry, or Winter Cherry. The fruit has a pleasant, strawberry like flavor, and is esteemed by many. Pkt., 10 cts.; oz., 50 cts.

TURNIP.

German, *Steckrube*.—French, *Navet*.—Spanish, *Nabo Coman*.

Turnips do best in highly enriched, light, sandy or gravelly soil; commence sowing the earliest varieties in April in drills, from twelve to fifteen inches apart, and thin out early to six or nine inches in the rows. For a succession, sow at intervals of a fortnight, until the last week in July, from which time until the end of August sowings may be made for the fall and main crops. Turnips may be preserved until spring by cutting off the tops about one inch from the bulb, and storing in a cellar or cool shed during winter, covering the roots with dry sand; they should be harvested before severe frosts set in, for, though comparatively hardy, few of the varieties will survive the winters of the Northern States in the open ground.

If by mail in quantities of $\frac{1}{4}$ lb. and upward, postage must be added at the rate of 16 cts. per lb.

See "Prizes for Specimen Vegetables," in Introductory.

EXTRA EARLY MILAN. (See description, page 8.) Oz., 15 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

SNOW-WHITE OLIVE SHAPED. (See description, page 20.) Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

WHITE GEM. An early garden variety, clear white in color; globe shaped, medium size, delicate flavor, and quick growth. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

EXTRA EARLY PURPLE TOP MUNICH. This occupies the same place among Turnips, that the Egyptian variety does among the Beet family—that of being earliest of all. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

RED TOP STRAP LEAF. Rapid grower and mild flavor; the most popular variety for early use, either for the table or stock. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

Early White Strap Leaf. Differs from the preceding only in color. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

Early Flat Dutch. An excellent garden variety, resembling White Strap Leaf, the best variety for spring sowing. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

WHITE EGG. Belongs to the class of quick growing Fall Turnips, and for this purpose should be sown, in this latitude, between August 10th and 25th. Its shape is nearly oval or egg, as its name would indicate; flesh very firm and fine grained, thin and perfectly smooth skin, and both flesh and skin are of snowy whiteness. Its flavor is of the very best, mild and sweet, making it particularly desirable for table use, while its attractive appearance is certain to make it one of the most salable Turnips that can be grown for market. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

PURPLE TOP WHITE GLOBE. An early variety, globe shaped; heavy cropper; in other respects similar to the Red Top Strap Leaf. A handsome looking bulb, and is rapidly taking the lead of all other varieties of early Turnip for market garden purposes. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

Large White Norfolk. A very large growing, globe-shaped variety; flesh coarse grained and sweet; one of the best early varieties for stock, but not so desirable for table use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

LONG WHITE, OR COW HORN. Matres very quickly, roots shaped like a carrot, about half of which is formed above ground; flesh white, fine grained and sweet, and of excellent quality for table use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

YELLOW STONE. Bulbs of medium size, very firm, excellent flavor, and good keeper; one of the best and most popular yellow-fleshed varieties for table use; it is equally good for feeding stock. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

Yellow Finland. A small early variety; flesh, bright yellow; bulbs flat and singularly compressed at bottom; a distinct variety, and excellent for table use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

YELLOW GLOBE. One of the best varieties for general crop; flesh very firm and sweet, and keeps well until late in spring; grows to a large size, and is excellent both for stock or table use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

GOLDEN BALL (ROBERTSON'S). Rapid grower, excellent flavor, globe shaped, and of a beautiful bright yellow color; a good keeper, and has no superior for table use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

Yellow Malta. An early variety, of fine flavor. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

TURNIP.—Continued.

- Yellow Aberdeen.** Very hardy and productive; good keeper; globe shaped; color pale yellow, with purple top. Very firm in texture, and closely resembling the Ruta Bagas in good keeping qualities; good either for table or stock. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.
- Teltow, or Small Berlin.** The smallest of all Turnips; roots are spindle-shaped, and formed entirely underground; the rind has a peculiar flavor, and should not be taken off when used; much cultivated in Germany, where it is highly esteemed for flavoring soups. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.
- Seven Top** (for Turnip Greens). Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

RUTA BAGA, RUSSIAN, or SWEDISH TURNIP.

The Ruta Baga, Swedish, or Russian Turnip is extensively grown for a farm crop; the roots are close grained, very hard, and will endure a considerable degree of cold without injury. They are best preserved in a pit or cellar during the winter, and are excellent for the table early in spring. Sow from the 20th of June to the middle of July, in drills two feet apart, and thin out to eight inches in the rows.

IMPROVED AMERICAN (PURPLE TOP). The leading variety; very hardy and productive; flesh yellow, solid, sweet, and fine flavored; equally good for stock or table use; the principal variety raised by market gardeners, and the best of all yellow Turnips. (See cut.) Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

Skirving's Purple Top. A first rate variety for table or stock; grows to a large size; flesh firm, solid, and sweet, and a good keeper. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

SHAMROCK. One of the finest purple top varieties in cultivation; forms a handsome bulb, with small top and very few leaves; an excellent keeper, and good for stock or table use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

Laing's Improved. One of the earliest of the Ruta Bagas; forms a handsome bulb of good quality; keeps well; good for table use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

LARGE WHITE FRENCH. A superior variety for table or stock; flesh firm, white and solid; attains a large size, and has a very rich and sweet flavor; a very popular variety. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

English Rape. Not a Ruta Baga, although closely allied; cultivated for its tops, which are valuable for feeding stock; it forms no bulb. $\frac{1}{4}$ lb., 10 cts.; lb., 30 cts.

SWEET, POT, and MEDICINAL HERBS.

No garden is complete without a few herbs for culinary or medicinal purposes, and care should be taken to harvest them properly. This should be done on a dry day, just before they come into full bloom, then dried quickly and packed closely, entirely excluded from the air. Sow in spring, in shallow drills,

one foot apart, and when well up thin out or transplant to a proper distance apart.

Anise (*Pimpinella Anisum*). Cultivated principally for garnishing and seasoning, like Fennel. Pkt., 5 cts.; oz., 15 cts.

Balm (*Melissa Officinalis*). Principally used for making balm tea or balm wine. Pkt., 10 cts.; oz., 50 cts.

Basil, Sweet (*Ocimum Basilicum*). The leaves and tops of the shoots are the parts gathered, and are used for highly seasoned dishes, as well as in soups, stews and sauces; a leaf or two is sometimes introduced into salads. Pkt., 10 cts.; oz., 50 cts.

Bene (*Sesamum Orientale*). Pkt., 5 cts.; oz., 20 cts.

Borage (*Borago Officinalis*). Excellent for bees. Pkt., 5 cts.; oz., 25 cts.

Caraway (*Carum Carai*). Chiefly cultivated for the seed, which is used in confectionery and medicine; in spring the under leaves are sometimes put in soups. Pkt., 5 cts.; oz., 15 cts.

Castor Oil Plant (*Ricinus Communis*). Pkt., 5 cts.; oz., 15 cts.

Catnip (*Nepeta Cataria*). Pkt., 15 cts.; oz., 60 cts.

Coriander (*Coriandrum Sativum*). Cultivated for garnishing, but more frequently for its seeds, which are used by confectioners. Pkt., 5 cts.; oz., 15 cts.

Dill (*Anethum Graveolens*). The leaves are used in soups and sauces, and to put along with pickles. Pkt., 5 cts.; oz., 15 cts.

Fennel (*Anethum Faniculum*). The leaves, boiled, enter into many fish sauces, and raw, form a beautiful ornament. Pkt., 5 cts.; oz., 15 cts.

Hop Seed (*Humulus Lupulus*). Pkt., 25 cts.; oz., \$1.50.

Horehound (*Marrubium Vulgare*). Principally used for medicinal purposes. Pkt., 10 cts.; oz., 50 cts.

Hyssop (*Hyssopus Officinalis*). The leafy tops and flowers are gathered and dried for making Hyssop Tea, and other purposes. Pkt., 10 cts.; oz., 40 cts.

Lavender (*Lavandula Spica*). A popular aromatic herb. Pkt., 10 cts.; oz., 40 cts.

Marjoram, Sweet (*Origanum Majorana*). For seasoning. Pkt., 10 cts.; oz., 40 cts.

Pot (*Origanum Onites*). Pkt., 10 cts.; oz., 50 cts.

Opium Poppy (*Papaver Somniferum*). Pkt., 5 cts.; oz., 30 cts.

Rosemary (*Rosemarinus Officinalis*). An aromatic herb. Pkt., 10 cts.; oz., 50 cts.

Rue (*Ruta Graveolens*). Used for medicinal purposes; also given to fowl for the croup. Pkt., 10 cts.; oz., 40 cts.

Saffron (*Carthamus Tinctorius*). Pkt., 5 cts.; oz., 15 cts.

Sage (*Salvia Officinalis*). The leaves and tender tops are used in stuffing and sauces. Pkt., 5 cts.; oz., 30 cts.; lb., \$3.00.

Savory, Summer (*Satureia Hortensis*). Used for seasoning. Pkt., 5 cts.; oz., 25 cts.

Sorrel, Broad-leaved. Used for salads. Pkt., 5 cts.; oz., 15 cts.

Thyme, Broad-leaved English, (*Thymus Vulgaris*). For seasoning, etc. Pkt., 10 cts.; oz., 50 cts.; $\frac{1}{4}$ lb., \$1.75.

Tansy (*Tanacetum Vulgaris*). Pkt., 10 cts.; oz., 50 cts.

Winter Savory. Pkt., 10 cts.

Wormwood (*Artemisia Absinthium*). Used for medicinal purposes; it is also beneficial to poultry, and should be planted in poultry grounds. Pkt., 10 cts.; oz., 50 cts.

MISCELLANEOUS.**FRUIT SEEDS.**

If by mail, postage must be added at the rate of 16 cts. per lb., or 25 cts. per qt.

Apple Seed. 40 cts. per qt.; \$10.00 per bush.

Cherry Pits, Mahaleb. 50 cts. per lb.

Currant, Red. 15 cts. per pkt.; 50 cts. per oz.

“ **White.** 15 cts. per pkt.; 50 cts. per oz.

“ **Black.** 15 cts. per pkt.; 50 cts. per oz.

Gooseberry, Red. 25 cts. per pkt.; \$1.50 per oz.

“ **Yellow.** 25 cts. per pkt.; \$1.50 per oz.

“ **Green.** 25 cts. per pkt.; \$1.50 per oz.

Pear Seed. 25 cts. per oz.; \$2.50 per lb.

Quince Seed. 25 cts. per oz.; \$2.50 per lb.

Raspberry Seed. 15 cts. per pkt.; 75 cts. per oz.

Strawberry Seed. 25 cts. per pkt.; \$1.00 per oz.

“ **Red Alpine.** 15 cts. per pkt.

BIRD SEEDS.

(Prices variable.)

If by mail, postage must be added at the rate of 16 cts. per lb., or 25 cts. per qt.

Canary. Best Sicily (*Phalaris Canariensis*). Qt., 20 cts.; bush., \$4.00.

Hemp (*Canabis Sativa*). Qt., 20 cts.; bush., \$3.00.

Maw (*Papaver Rhæas*). Lb., 30 cts.

Millet (*Panicum Miliaceum*). Qt., 15 cts.

Rape (*Brassica Napus*). Qt., 30 cts.

Mixed Bird Seed. Qt., 20 cts.; bush., \$4.00.

Mocking Bird Food. 40 cts. per bottle.

COMPLETE COLLECTIONS OF VEGETABLE SEEDS.

The following Collections, adapted for large or small gardens, we will supply at the following very low rates—rates that are at least one-fourth less than the same kinds and quantities of Seeds are usually sold at. Buyer to pay charges in all cases.

ARTICLES.	No. 1, Price \$25, Contains:	No. 2, Price \$20, Contains:	No. 3, Price \$15, Contains:	No. 4, Price \$10, Contains:	No. 5, Price \$5, Contains:
Beans, Bush, best kinds for succession.....	6 qts.	4 qts.	3 qts.	2 qts.	2 pts.
“ Lima and other Pole.....	2 “	1 “	2 pts.	1 pt.	1 “
Beet, best sorts for succession.....	16 oz.	12 oz.	8 oz.	6 oz.	4 oz.
Brussels Sprouts.....	1 “	½ “	½ “	1 pkt.	1 pkt.
Cabbage, best early and late.....	6 “	5 “	4 “	3 oz.	2 oz.
Carrot, early and late.....	14 “	12 “	6 “	5 “	2 “
Cauliflower, best varieties.....	1 “	3 pkts.	3 pkts.	2 pkts.	1 pkt.
Celery, Henderson's Half Dwarf.....	3 “	2 “	2 oz.	1 oz.	1 oz.
Cucumber, leading kinds.....	6 “	4 “	3 “	2 “	1 “
Corn, Sweet, best varieties for succession.....	7 qts.	6 qts.	4 qts.	3 qts.	3 pts.
Cress, or Pepper Grass, Curled.....	4 oz.	2 oz.	2 oz.	2 oz.	1 oz.
Egg Plant, New York Improved.....	½ “	½ “	½ “	1 pkt.	1 pkt.
Endive, best curled.....	2 “	1 “	½ “	½ oz.	1 “
Kale, Dwarf German and Curled Scotch.....	1 “	1 “	1 “	1 “	1 “
Kohl Rabi, Early White Vienna.....	1 “	1 “	½ “	½ “	1 “
Leek, American Flag.....	2 “	1 “	1 “	½ “	1 “
Lettuce, best varieties.....	4 “	3 “	2 “	1½ “	3 “
Melon, Musk, the best kinds.....	8 “	4 “	3 “	2 “	2 “
“ Water, the best kinds.....	4 “	4 “	3 “	2 “	2 “
Okra, or Gumbo.....	4 “	4 “	4 “	2 “	1 “
Onion, the best varieties.....	8 “	6 “	6 “	4 “	1 “
Parsley, Extra Curled.....	4 “	3 “	2 “	2 “	2 oz.
Parsnip, Long Smooth.....	8 “	4 “	3 “	2 “	1 “
Peas, best kinds for succession.....	10 qts.	8 qts.	6 qts.	4 qts.	4 pts.
Pepper, Large Bell and Long Red.....	1 oz.	1 oz.	3 pkts.	2 pkts.	1 pkt.
Radish, best varieties for succession.....	12 “	8 “	7 oz.	6 oz.	4 oz.
Salsify, or Oyster Plant.....	4 “	2 “	1 “	½ “	½ “
Spinach, Savoy Leaved.....	12 “	8 “	8 “	8 “	4 “
Squash, Summer and Winter.....	8 “	6 “	4 “	4 “	2 “
Tomato, Trophy and other good varieties.....	2 “	2 “	1½ “	4 pkts.	2 pkts.
Turnip, best kinds, early and late.....	12 “	8 “	8 “	6 oz.	2 oz.
Herbs, the most useful kinds.....	6 pkts.	5 pkts.	4 pkts.	3 pkts.	2 pkts.

TABLE SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE.

Asparagus.....	30 lbs.	Mangel Wurzel.....	6 to 7 lbs.
Barley, broadcast.....	2 to 2½ bush.	Mustard, broadcast.....	½ bush.
Beans, Dwarf, in drills.....	2 bush.	Melon, Musk, in hills.....	2 lbs.
Beans, Pole, in hills, other than Limas.....	10 to 12 qts.	Melon, Water, in hills.....	3 lbs.
Beans, Limas.....	20 qts.	Millet, Common, broadcast.....	1 bush.
Beets, in drills.....	6 lbs.	Oats, broadcast.....	3 to 4 bush.
Broom Corn, in hills.....	8 to 10 qts.	Onion, in drills.....	6 to 8 lbs.
Buckwheat.....	1 bush.	Onion for Sets, in drills.....	50 lbs.
Cabbage, in beds to transplant.....	¼ lb.	Onion, Sets, in drills.....	6 to 12 bush.
Carrot, in drills.....	2 to 3 lbs.	Parsnip, in drills.....	6 to 8 lbs.
Clover, Red, alone.....	15 to 20 lbs.	Peas, in drills.....	1½ bush.
Clover, White, alone.....	12 to 15 lbs.	Peas, broadcast.....	3 bush.
Clover, Alsike, alone.....	8 to 10 lbs.	Pepper.....	¼ lb.
Clover, Lucern or Alfalfa, broadcast.....	15 to 20 lbs.	Potatoes (cut tubers).....	4 bbls.
Corn, in hills.....	6 to 8 qts.	Pumpkin, in hills.....	2 lbs.
Corn, for Soiling.....	2 bush.	Radish, in drills.....	8 to 10 lbs.
Corn Salad.....	25 lbs.	Rye, broadcast.....	2 bush.
Cucumber, in hills.....	2 lbs.	Sage, in drills.....	8 to 10 lbs.
Egg Plant.....	4 oz.	Salsify, in drills.....	8 to 10 lbs.
Flax, Broadcast.....	1½ bush.	Spinach, in drills.....	15 lbs.
Grass, Kentucky Blue.....	2 bush.	Squash (bush varieties), in hills.....	3 lbs.
Grass, Orchard.....	3 to 4 bush.	Squash (running varieties), in hills.....	2 lbs.
Grass, English Rye.....	3 bush.	Sugar Cane, Early Amber.....	12 qts.
Grass, Red Top.....	3 bush.	Tomato, to transplant.....	¼ lb.
Grass, Timothy.....	12 to 16 qts.	Turnip, in drills.....	2 lbs.
Grass, Hungarian.....	1 bush.	Turnip, broadcast.....	1 lb.
Grass, Mixed Lawn.....	5 bush.	Timothy, alone.....	½ bush.
Hemp.....	1½ bush.	Vetches, broadcast.....	2 to 3 bush.
Kale, German Greens.....	3 lbs.	Wheat, broadcast.....	2 to 2½ bush.
Lettuce.....	3 lbs.	Wheat, in drills.....	1½ bush.

Quantity of Seeds required for a given number of Plants, number of Hills or Length of Drills.

Asparagus.....	1 oz. to 60 ft. of drill.	Parsnip.....	1 oz. to 200 ft. of drill.
Beet.....	1 oz. to 50 ft. of drill.	Peas.....	1 qt. to 100 ft. of drill.
Beans, Dwarf.....	1 qt. to 100 ft. of drill.	Pumpkin.....	1 oz. to 40 hills.
Beans, Pole.....	1 qt. to 150 hills.	Radish.....	1 oz. to 100 ft. of drill.
Carrot.....	1 oz. to 150 ft. of drill.	Salsify.....	1 oz. to 70 ft. of drill.
Cucumber.....	1 oz. to 50 hills.	Spinach.....	1 oz. to 100 ft. of drill.
Corn.....	1 qt. to 200 hills.	Squash, Early.....	1 oz. to 50 hills.
Dandelion.....	1 oz. to 200 ft. of drill.	Squash, Marrow.....	1 oz. to 20 hills.
Endive.....	1 oz. to 150 ft. of drill.	Turnip.....	1 oz. to 150 ft. of drill.
Leek.....	1 oz. to 100 ft. of drill.	Cabbage.....	1 oz. to 2,000 plants.
Melon, Water.....	1 oz. to 30 hills.	Cauliflower.....	1 oz. to 2,000 plants.
Melon, Musk.....	1 oz. to 60 hills.	Celery.....	1 oz. to 3,000 plants.
Okra.....	1 oz. to 40 ft. of drill.	Egg Plant.....	1 oz. to 1,000 plants.
Onion.....	1 oz. to 100 ft. of drill.	Lettuce.....	1 oz. to 3,000 plants.
Onion, Sets, small.....	1 qt. to 40 ft. of drill.	Lettuce.....	1 oz. to 1,000 plants.
Parsley.....	1 oz. to 150 ft. of drill.	Tomato.....	1 oz. to 1,500 plants.

NOVELTIES in FLOWER SEEDS for 1885

AND SPECIALTIES.

ALYSSUM BENTHAMII COMPACTUM.

An entirely new and very beautiful form of the well known Sweet Alyssum, never growing over six inches high, while the plants are thickly studded with miniature flower spikes of pure white. This novelty is likely to prove most useful for edgings.

25 cts. per packet.

NEW VICTORIA ASTERS.

SULPHUR YELLOW. A new color in this beautiful class. 25 cts. per packet.

SULPHUR YELLOW, DWARF. Same color as preceding, but the plant is of a much dwarfer growth. 25 cts. per packet.

BERTOLONIA VELUTINA.

A very attractive novelty from South Africa, bearing in large numbers spikes of pink blossoms, six inches high. These with the rich olive crimson of the foliage produce a very pleasing effect. 75 cts. per packet.

HENDERSON'S SUPERB BALSAM.

This is the magnificent strain shown in our colored plate for 1883, which exactly portrays a few of the many grand types that our seed of SUPERB BALSAM will produce. This special strain we take unusual care with, and we have proved its superiority over the best Foreign and American Balsam that we could procure in successive trials. The individual flowers are of the largest size, (they are reduced one-third on the colored plate,) exceedingly double, and of great and varied beauty. The seed of Balsam should be sown in dwelling-house or green-house from January to April in an average temperature of 60 degrees, in shallow boxes of light rich soil. When the seedlings are large enough, transplant into similar boxes one inch apart, and remove them to the open ground in May or June. Sow also in the open ground as soon as the weather is suitable. In ordering, please designate by number the type or types desired. We do not attempt to describe. We only give an idea of the different types.

- No. 1. Pure satiny white, striped lilac and scarlet.
- No. 2. Beautiful shade of rosy pink.
- No. 3. Brilliant scarlet, dotted with ivory white spots.
- No. 4. Deep fiery scarlet, very striking.
- No. 5. Ground color white, striped and margined with red and purple.
- No. 6. Very fine shade of lavender.
- No. 7. Perfectly snow white and very beautiful.
- No. 8. Ground color purple, shaded with crimson and spotted with white.

Byners' selection of any single packet (by number), 15 cts.; or entire collection of eight types (one packet of each), for.....\$1.00

NEW TOM THUMB CANDYTUFT

(Iberis Hybrida Nana.)

This new class grow only from 4 to 6 inches high. Sown early they will bloom in June, and will produce large flower heads continuously until cut down by frost. Invaluable for edgings. We offer seed in separate colors as below.

- Alba. White. 15 cts. per pkt.
- Carnea. Flesh color. 15 cts. per pkt.
- Purpurea. Purple. 15 cts. per pkt.
- Rosea. Rose. 15 cts. per pkt.
- Mixed. All colors. 15 cts. per pkt.

CHRYSANTHEMUM CORONARIUM

SULPHUREUM, FLORE PLENO.

A new variety among annual Chrysanthemums, producing very pretty double flowers of a delicate lemon or sulphur shade. The flowers will be found most useful for bouquets or for general decorative purposes. 25 cts. per packet.

CHRYSANTHEMUM CARINATUM

(Tricolor) ECLIPSE.

A very showy new variety, the form of the flowers somewhat resembling the well-known Chrysanthemum Burridgeanum, but surpassing it greatly by its striking colors, which are pure golden yellow with a purplish scarlet ring or centre on the ray florets, the disk being dark brown. (See illustration.)

25 cts. per packet.

COBEA SCANDENS ALBA.

A pure white flowering variety of the old and popular summer climber. Flowers of this are bell-shaped, as in the purple variety. 25 cts. per packet.

DELPHINIUM IMPERIALE ALBA, FL. PL.

Until this was produced we have never had a white variety in the class of Emperor Larkspurs. The introducers say that the flowers are pure white and very beautiful.

25 cts. per packet.

EUCHARIDIUM BREWERI.

A new, rare and magnificent species, of dwarf spreading habit and narrow lance-like foliage. The color of the flower is a purplish rose, shading to white in the centre. It is a profuse bloomer and is as easy of cultivation as the Clarkia. (See cut.)

25 cts. per packet.

NEW DOUBLE FLOWERING GAIL- LARDIA.

(*Gaillardia Picta Lorenziana*).

GAILLARDIA LORENZIANA.

Our illustration here shown conveys a true idea of this remarkable novelty, one of the best of recent years. In a strict botanical sense, it is not double, but it is so entirely different from the old single Gaillardia, that the blooms would scarcely be recognized as belonging to the same species. The colors offered (in mixture) are sulphur and golden yellow, orange, claret and amaranth, and are produced quite as freely as any of the older sorts.

(See cut.) 15 cts. per packet.

IMPATIENS SULTANA.

are brought out most beautifully both in sunshine and gas-light. (See cut.)

Price, 25 cts. per packet.

MYOSOTIS ELEGANTISSIMA.

In this we offer, for the first time, seeds of a beautiful variegated leaved Forget-me-not. It is of close, compact growth, the leaves variegated with silver, and the flowers sky blue. Most useful for edging and ribbon lines, and equally well adapted for house culture. True from seed.

25 cts. per packet.

MIGNONETTE, "GOLDEN QUEEN."

This can be distinguished from all other Mignonettes as far as it can be seen, and it is, when in bloom, literally a mass of golden yellow. So desirable do we consider this variety, that if we were restricted to one dwarf sort, we should grow this Mignonette in preference to all others.

15 cts. per pkt.; 4 pkts. for 50 cts.

NEW LARGE WHITE UPRIGHT MIGN- ONETTE.

A magnificent variety of Mignonette attaining a height of from two to three feet, and producing in the greatest profusion spikes of bloom from twelve to fifteen inches in length. It is pure white in color, while its fragrance is exceedingly sweet, much more so than any of the ordinary varieties. Sown in the open ground in April or May, it will begin flowering in June and continue throughout the season. Or it may be had in the parlor or green-house in bloom during the fall and winter.

15 cts. per pkt.; 4 pkts. for 50 cts.

NASTURTIIUM, "EMPRESS OF INDIA."

NASTURTIIUM, "EMPRESS OF INDIA."

The plant is of very dwarf habit, with dark tinted foliage, while the flowers are of the most brilliant crimson color, so freely produced that no other annual in cultivation can approach it in effectiveness. So highly was this Nasturtium considered, that the Royal Horticultural Society of London awarded it a first-class certificate, an award never given except to novelties of undoubted merit. 25 cts. per packet.

TYPE OF TRIMARDEAU PANSY.

TRIMARDEAU PANSIES

(*Viola Tricolor Maxima*).

An altogether distinct and beautiful new race, the flowers of which are of very large size—in fact, larger than anything hitherto attained in this genus. Each flower is marked with three large blotches or spots, and the plants may be expected to produce the same endless variety and beautiful shades of color that are found in other classes of this popular plant.

50 cts. per packet.

I have used your seed of Henderson's Early Snowball Cauliflower for four years and it has always done extremely well with me. I had 170 barrels last season from seven-eighths of an acre,
MANORVILLE, L. I., Feb. 12th, 1884.
R. GORDON.

TYPE OF HENDERSON'S PREMIER PANSY.

HENDERSON'S PREMIER PANSY.

A distinct and beautiful class of Pansy that we offered to our customers last year for the first time, and we know that it gave the most unqualified satisfaction. To describe the many and wonderful variety of markings they present would be an almost endless task. Many of the flowers are so marked as to resemble the finest types of Fancy Pelargoniums, and contain those with ground color light yellow, the lower petals blotched violet, the upper petals carmine edged with white; others, deep yellow for ground color with dark centre blotch of crimson maroon; and still others with the ground color deep blue, yellow centre, surrounded by a dark blotch, etc., etc.

Price, 50 cts. per packet.

PETUNIA FIMBRIATA DELICATA.

The varieties we already possess of single fringed Petunias are very popular, and the new variety now offered will be found a most beautiful addition. The flowers are white, while the markings of the throat, especially the deeply fringed petals, are of a delicate shade of rosy violet.

50 cts. per packet.

**PETUNIA, LARGE FLOWERING
YELLOW-THROATED.****(Petunia Grandiflora Intus Aurea.)**

These Petunias form a class of rare beauty and come true from seed. The characteristics are very large sized flowers of perfect form, with a broad and deep yellow throat, veined very much after the manner of the Salpiglossis.

75 cts. per packet.

NEW SWEET PEA, "ADONIS."

We have seen this very pretty variety in bloom, and can corroborate the introducer's statement that it is a distinct and decided acquisition to the Sweet Pea family. The blossoms are of a lovely rosy pink shade and contrast well with the older colors so long in cultivation.

25 cts. per packet.

SCHIZANTHUS PINNATUS ROSEUS.

This novelty is quite distinct from other Schizanthus, bearing flowers of a delicate rose color, shading off at the centre to white, while the upper petal is almost entirely covered with a blood red spot. This beautiful annual will be found most useful for masses and borders.

25 cts. per packet.

SALVIA, "BLUE BEARD."

A hardy annual, new and very distinct. Makes a plant a foot and a half high, of very branching habit, with square stems and sage-like leaves. The spikes are well furnished at the apex with a quantity of brilliant, mauve purple bracts, which give the plant a most unique appearance. The flowers are produced in a series of whorls, are small, lip-shaped, of a bright purple color, with lower lip white.

50 cts. per packet.

SESBANIA GRANDIFLORA.

SESBANIA GRANDIFLORA.

A magnificent novelty from Western Australia, and a plant well suited for green-house culture. The pure white flowers are of the largest size, being individually fully three inches long, of the odd and peculiar form shown in the above illustration.

75 cts. per packet.

**VERBENA HYBRIDA COCCINEA
FOLIIS AUREIS.****(Yellow-leaved Verbena).**

A new variety with golden yellow foliage, which forms a striking contrast with the bright scarlet of the flowers. The introducer says that the seed is smaller than those of other varieties and reproduces the variety exactly.

25 cts. per packet.

CHARLESTON, W. VA., June 23d, 1884.

I have thoroughly cleared my rose bushes of Aphis, Slugs, Red Spider, etc., and also my young apple and pear trees, whose young shoots were literally covered with Aphis, by the use of your "Insect Death" Powder, applied with the Powder Gun, gotten from you ten days ago.

D. L. RUFFNER.

STATICE SUWOROWI.

Per Pkt.

One of the finest and showiest of all annuals, bearing flower spikes of a very bright rose with a crimson shade, from ten to fifteen on each plant, measuring from 15 to 18 inches in length, and from $\frac{1}{2}$ to 1 inch in breadth; the foliage lying flat on the ground as shown in the illustration, is comparatively small and completely hidden by the numerous flower spikes. It remains in flower upward of 60 days, and if sown in succession from February to April may be had constantly in bloom throughout the summer and fall. (See cut.).....25

STATICE SUWOROWI.

NEW GIANT PERFECTION TEN WEEKS STOCK.

Per Pkt.

The persistent efforts of German growers to improve this most important annual finds one of its best results in this splendid new race. The plants of the new Giant Perfection are pyramidal in shape, $2\frac{1}{2}$ feet high, and producing long spikes of double flowers, much larger and finer than the ordinary Ten Weeks Stock. Seed offered in mixed colors.....15

IRIS ROBINSONIANA. (The Wedding Flower of Lord Howe's Island.)

Per Pkt.

The gigantic species attains a height of 6 feet or more, with proportionately large sword-shaped leaves and large pure white flowers marked with golden yellow on outer petals. The flowers are about 4 inches in diameter and quickly fade, but as they are very numerous and quickly succeed each other, the plant retains its beauty for a long time, and is one of the most beautiful species ever offered.....25

NEW POMPONE ZINNIAS.

Our cut gives a very good idea of the shape and size of the flowers of this beautiful new strain, and the colors of which are exceedingly bright and showy, embracing all the shades of crimson, yellow, purple, white, rose and orange usually found in the Zinnia. As will be seen, the flowers are just about half the size of the ordinary Zinnias, and are most distinct and beautiful. When in bloom the past season it attracted a great deal of attention.

25 cts. per packet; 5 packets for \$1.00.

COLLECTIONS OF FLOWER SEEDS.

FREE BY MAIL ON RECEIPT OF PRICE.

HARDY ANNUALS.

ONE HUNDRED DISTINCT VARIETIES. Our own selection....	\$4 00
FIFTY DISTINCT VARIETIES. Our own selection	2 00
TWENTY-FIVE DISTINCT VARIETIES. Our own selection....	1 00
TWELVE DISTINCT VARIETIES. Our own selection.....	50

BIENNIALS AND PERENNIALS.

ONE HUNDRED DISTINCT VARIETIES. Our own selection....	4 00
FIFTY DISTINCT VARIETIES. Our own selection.....	2 00
TWENTY DISTINCT VARIETIES. Our own selection.....	1 00
TWELVE DISTINCT VARIETIES. Our own selection.....	50

ASTERS.

TRUFFAUT'S PEONY-FLOWERED PERFECTION. In twelve separate, distinct colors.....	75
BETTERIDGE'S IMPROVED QUILLED. In twelve distinct colors.....	75
DWARF CHRYSANTHEMUM-FLOWERED. In six distinct colors.	50
VICTORIA. In twelve distinct colors.....	1 00
GOLIATH. In six distinct colors.....	50
DWARF PYRAMIDAL. In six separate, distinct colors.....	50
CROWN. In six separate, distinct colors.....	50

BALSAMS.

HENDERSON'S SUPERB. In eight colors (shown on colored plate of 1883).....	1 00
DOUBLE DWARF, CAMELLIA-FLOWERED. In six colors	50
ROSE-FLOWERED. In twelve colors.....	1 00

GERMAN STOCKS.

DWARF GERMAN TEN-WEEKS. In twelve colors.....	\$0 75
DWARF GERMAN TEN-WEEKS. In six colors.....	50
BROMPTON, or WINTER-FLOWERING. In twelve colors....	75

VARIOUS COLLECTIONS.

CANNA. Six distinct varieties.....	\$0 50
CARNATIONS. Twelve beautiful varieties.....	1 00
CLIMBING PLANTS. Twelve selected varieties.....	75
DIANTHUS. Eight finest varieties.....	50
FRAGRANT FLOWERS. Collection of ten species.....	50
HELICHRYSUM. (Everlasting Flowers.) Ten varieties....	50
HOLLYHOCK. (Chater's.) Twelve choice varieties.....	1 25
ORNAMENTAL GOURDS. Twelve distinct species.....	50
ORNAMENTAL GRASSES. Twenty-four varieties.....	1 50
ORNAMENTAL-LEAVED PLANTS. Twelve species.....	1 00
PANSY. Twelve distinct and beautiful varieties of New Fancy.....	1 50
PHLOX DRUMMONDII. Twelve beautiful varieties.....	75
..... New large-flowering. Six varieties.....	75
PORTULACA, DOUBLE. Six distinct varieties.....	1 00
ROCKERIES OR EDGINGS. Collections of eight species.....	50
SWEET PEAS. Six distinct colors.....	25
WALLFLOWER, DOUBLE. Six finest varieties.....	50
ZINNIA ELEGANS. Finest Double. Six varieties.....	50

For Novelties in Flower Seeds, please see pages immediately preceding this General List.

GENERAL LIST OF FLOWER SEEDS

ANNUALS grow, bloom and die the first year from Seed.

BIENNIALS bloom the second year from Seed, and then die; though many, if sown early in the Spring, will flower the first year.

PERENNIALS usually bloom the second year from Seed, and continue to grow and bloom for many years. Some will also bloom the first year if sown early

We offer the following inducements to those who wish to purchase packets in quantity; the low rates apply only to Seeds by the packet, and Seeds ordered in this way will be forwarded by Mail to any address in the United States or Canada:

Purchasers remitting \$1.00 may select Flower Seeds in packets, to value of.....	\$1.15
“ “ 2.00 “ “ “ “ “ “	2.30
“ “ 3.00 “ “ “ “ “ “	3.50
“ “ 4.00 “ “ “ “ “ “	4.75
“ “ 5.00 “ “ “ “ “ “	6.00
“ “ 10.00 “ “ “ “ “ “	13 00

{ Also a copy of the New Book, }
 { “Garden and Farm Topics.” }
 { And choice of any one of our }
 { four Books, costing \$1.50 each }

→* All Flower Seeds sent free by mail on receipt of price. *←

(Full Cultural Directions on each Packet.)

ABOBRA.

Per Pkt.

Abobra Viridiflora. A rapid growing, beautiful climbing gourd. It produces freely dazzling scarlet fruits, which form a striking contrast against the dark glossy green of the foliage. 10 feet. *Half-hardy Perennial.* (See cut.).....10

ABRONIA.

Verbena-like plants, not only in their creeping style of growth, but also in the appearance of the flowers; here, too, we find a color—yellow—never to be found in the Verbena. All the varieties are deliciously fragrant, especially toward evening.

Half-hardy Annuals.

Abronia Arenaria. Waxy yellow, ½ ft.....10
— Umbellata. Rosy lilac, ½ ft..... 5

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ABUTILON.

(Chinese Bell Flower, Flowering Maple).

Flower freely during the spring and winter months in the house, and during summer when bedded out; the flowers are bell shaped, and in the varieties are to be found crimson grounds, streaked with yellow; yellow grounds, veined red; pure white and clear yellow. *Perennials.*

Abutilon. Fine mixed, of above shades, 2 to 6 feet. (See cut.).....25

— **Darwinii**. Color deep orange, tinted crimson, 2 ft....25

ACACIA.

Very desirable plants for green-house or conservatory culture. The flowers, small and globular, are formed in thick clusters on long spikes. *Green-house Shrubs.*

Acacia. Fine mixed varieties, 3 to 6 ft.....25

ACONITUM.

(Monkshood, Wolfsbane).

Per Pkt.

Showy hardy perennials, growing well under trees, shrub-
beries, or other shaded situations.

Aconitum Napellus. Blue and white, 2 ft. (See cut.).... 5

ACROCLINIUM.

This beautiful everlasting flower somewhat resembles the Rhodanthe, but is of larger size. It is largely used for winter bouquets, for which purpose the flowers should be cut before they are fully expanded. *Half-hardy Annuals.*

Acroclinium Album. Pure white, 1 ft..... 5

— **Roseum.** Bright rose, 1 ft..... 5

— **fl.pl.** The flowers are not only perfectly double, but are somewhat larger than the single kinds, and of a bright pink or rose color.....10

ADLUMIA.

(Mountain Fringe Allegheny Vine).

An attractive climbing plant with pale green foliage, bearing small flesh colored blossoms. *Hardy Annuals.*

Adlumia Cirrhosa.	Flesh white, 15 ft.....	10
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If you wish to purchase either a hand or horse lawn mower do not fail to write us for special prices.

AGERATUM.*Per Pkt.*

Whether grown for summer flowers or used for winter blooming, this indispensable plant keeps up an almost constant succession of bloom, from early summer until the ensuing early spring. It has the further merit of being of the easiest culture. *Half-hardy Annuals.*

Ageratum Mexicanum. Lavender blue, 2 ft.....	5
— Nanum. Dwarf, blue variety, 15 in.....	5
— New Dwarf, Tom Thumb. Rarely exceeds six inches in height, blue.....	10
— Album. White, 15 in.....	5
— Nanum. Dwarf, white, 8 in.....	5
— Lasseauxii. Rose colored, 15 in.....	5

ADONIS.

This genus embraces several popular border flowers, of which we offer only the annual varieties. They are quite showy, remaining a long time in bloom. *Hardy Annuals.*

Adonis Festivalis (Flos Adonis.) Scarlet, 1 ft.....	5
— Autumnalis. (Pheasant's Eye.) Crimson, 1 ft.....	5

AGROSTEMMA.**(Crown of the Field).**

Free flowering and attractive.

Agrostemma Cœli Alba. Pure white, 1 ft.....	5
— Rosea. (Rose of Heaven.) Rose, 1 ft.....	5
— Coronaria. (Rose Champion.) Rose, 2 ft.....	5

ALONSOA.**Mask Flower).**

Flowering all summer, this pretty annual makes one of the most desirable bedding plants that can be grown. *Half-hardy Annuals.*

Alonsoa Grandiflora. Bright scarlet, 1½ ft.....	5
— Linifolia. Flowers beautiful scarlet, 1½ ft.....	10

ALYSSUM.

Whether grown for summer blooming or for flowering in fall and winter in the parlor or green-house, its easy culture, and the delicate honey-like fragrance of its flowers, so much prized in bouquets and baskets, makes this old favorite largely grown.

Alyssum, Sweet. Flowers white, 1 ft. <i>Hardy Annual</i>	5
— Benthami Compactum. (See Novelties, page 46.)...25	
— Saxatilis Compacta. (Rock or Golden Alyssum.) Showy yellow, ¾ ft. <i>Hardy Perennial</i>	5
— Wiersbeckii. White and yellow. 1 ft. <i>Hardy Perennial</i>	5

AMARANTHUS.

Plants grown exclusively for their foliage, and in late summer and early fall, when they have reached their fullest development, the glowing effect produced by their mass of rich foliage is scarcely equaled by any similar class of plants. *Half-hardy Annuals.*

Amaranthus Atropurpureus. Blood-red foliage, drooping flower spikes; 2 ft.....	5
— Bicolor Ruber. Foliage green and dark red, tipped with yellow; 3 to 5 ft.....	5
— Caudatus. (Love-lies-Bleeding.).....	5
— Henderi. One of our newer varieties, presenting in its beautiful leaf-marking a range of color not often seen; 2 ft. (See cut.).....	10
— Melancholicus Ruber. Foliage blood-red; 2 ft....	5
— Monstrosus. (Giant Prince's Feather).....	5
— Salicifolius. (Fountain Plant.) Gracefully drooping, willow shaped leaves. In the later stages of its growth the leaves are brilliantly banded and tipped with orange, carmine and bronze.....	10
— Tricolor (Joseph's Coat). Leaves red, yellow and green; 3 ft.....	5
— Tricolor Giganteus. A larger growing variety of the above.....	5

AMMOBIUM.**(Winged Ammobium).**

A leading everlasting flower, bearing white flowers. *Hardy Annual.*

Ammobium Alatum. Flower an inch in diameter, white; 2 ft.....	5
— Grandiflorum. Pure white, and double the size of the preceding; largely used as a dried or everlasting flower in winter bouquets, etc.....	10

AMPELOPSIS.*Per Pkt.*

A. Veitchii. A slender growing variety of the Virginia Creeper; the young growth during summer is a dark purplish green, changing in fall to the brightest tints of scarlet, crimson and orange. It clings to stone work, trees, etc., and is a splendid plant for covering unsightly objects; it attains a height of fifty feet. Every year adds to the popularity of this plant as a climber. This is the climbing plant so much used in covering the fronts of houses in Boston. *Perfectly hardy.*.....15

ANAGALLIS.**(Pimpernelle).**

Useful in rock work or borders, where low growing plants are mostly used. *Half-hardy Annuals.*

Anagallis Grandiflora Sanguinea. Ruby red, ½ ft....	10
— Grandiflora Cœrulea. Sky blue flowers, ½ ft.....	10

ANCHUSA.**(Italian Bugloss).**

One of the few plants that will do well in shaded situations. *Hardy Perennial.*

Anchusa Italica. Blue, 2 ft.....	5
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ANEMONE.**(Windflower).**

A very pleasing hardy perennial, flowering in early spring. Flowers are large, running through various shades of scarlet, purple, blue, white and striped, and quite often will be found varieties with an eye of a different hue from the rest of the flower.

A. Coronaria. Mixed colors, as above, 1 ft.....	10
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ANTIRRHINUM MAJUS.**(Snap-Dragon).**

Unsurpassed for summer and fall flowering. The strains we sell are particularly fine, and will fairly vie with the Carnation in the variety of their stripes and spots. *Perennials.*

Antirrhinum Majus Tom Thumb. Dwarf growing; mixed; 1 ft.....	5
— Fine Mixed. From our named collection, 2 to 3 ft. 5	
— Extra Choice. Very finely striped and blotched; 2 to 3 ft.....	10
— Nanum Picturatum. A new and distinct race, of great beauty and variety of color; 2 ft.....	15

ANGELONIA.

Equally desirable as a pot plant for the parlor or green-house in winter, or for outside planting in spring. It forms a plant 18 inches high, terminated by long spikes of cup-shaped fragrant flowers, in color bright scarlet spotted with white. Although a perennial it flowers the first season if sown early.

A. Grandiflora. Described above.....	25
— Atropurpurea. A distinct new variety, bearing long spikes of fragrant brown violet flowers; 18 in.....	25

AQUILEGIA.**(Columbine).**

The peculiar formation of the flowers of this class, so odd, and almost unlike anything else to be found in plant-life, renders them desirable on this account alone. They are exceedingly showy and rank among the best plants for early summer blooming. *Hardy Perennials.*

Aquilegia Alba Flore Plena. Double white, 1½ ft.....	10
— Chrysantha. (Golden Spurred Columbine.) A beautiful variety. Flowers bright yellow, produced freely all summer, 4 ft.....	10
— Californica Hybrida. Flowers large; the centre petals are golden yellow, and form a marked contrast to the deep orange red of its sepals and spurs; 2 ft....	15
— Cœrulea Hybrida. The centre petals are yellow, while the spurs and sepals are a beautiful porcelain blue; 2 ft.....	25
— Durandii fl. pl. Double red and white striped, 1½ ft..	5
— Glandulosa. Blue and white, 1½ ft.....	5
— Skinnerii. Scarlet and yellow, 1½ ft.....	10

ABOBRA.
See page 50.

ABUTILON.
See page 50.

ACONITUM.
See page 50.

AMARANTHUS HENDERI.
See page 51.

ASTER.
BETTERIDGE'S QUILLED.
See page 53.

ASTER. DWARF.
CHRYSANTHEMUM FLOWERED.
See page 53.

ASTER. CROWN.
See page 53.

ASTER. PEONY FLOWERED.
PERFECTION.
See page 53.

ASTER. VICTORIA.
See page 53.

ASTER.
HEDGEHOG OR NEEDLE.
See page 53.

ASTER. ROSE FLOWERED.
See page 53.

ASTER. DWARF.
PYRAMIDAL BOUQUET.
See page 53.

BELLIS PERENNIS, FL. PL.
See page 54.

BRACHYCOMA.
See page 54.

CALCEOLARIA.
See page 54.

CALENDULA. METEOR.
See page 54.

Copyright, 1884, by Peter Henderson & Co.

Cardinal Tomato gave me fruit before Perfection or Acme, and is superb in quality and beauty.

RAHWAY, N. J., August 5th, 1884
J. R. SHOTWELL.

AQUILEGIA (Columbine).—Continued.

- Per Pkt.*
Aquilegia Skinnerii fl. pl. The flowers having partly double yellow and partly double white corollas, may be best described by comparing them to double Fuchsias, as they resemble them. About 80 per cent. come true from seed.....25
 — **Mixed Double.** All colors.....10
 — **Single.** All colors.....5

ARABIS (Rock Cress).

- One of the earliest blooming plants, and well adapted for borders and rock work. *Hardy Perennials.*
Arabis Alpina. White, $\frac{1}{2}$ ft.....10

ARCTOTIS.

- An interesting genus, natives of the Cape of Good Hope. *Half-hardy Annuals.*
Arctotis Breviscarpa. Bears large orange-colored flowers with dark centre, $1\frac{1}{2}$ ft.....5
 — **Grandiflora.** Silver-gray foliage. Flowers yellow, having orange crimson centre, 1 ft.....5

ARDISIA.

- Ardisia Crenulata.** A shrubby green-house plant, producing scarlet berries, which remain on the plant for a long time, giving it a very showy appearance.....25

ARGEMONE (Prickly Poppy).

- Very showy plants, with large poppy-like flowers. *Hardy Annuals.*
Argemone Grandiflora. White, very handsome, 2 ft.....5
 — **Hunnemannii.** Carmine and yellow, 2 ft.....5
 — **Mexicana.** ("Infernal or Devil's Fig" of the Spaniards.) Yellow, 2 ft.....5

ARISTOLOCHIA (Dutchman's Pipe).

- A quick growing hardy climber, attaining a height of 30 feet, with large heart-shaped foliage, and whose specific name, *Sipho*, was given on account of the singular formation of its flowers, which are curved like a siphon; it is, however, more widely known under its rather vulgar name of Dutchman's pipe. *Hardy Perennial.*
A. Sipho.....10

ARMERIA (Thrift, Sea-Pink).

- A very hardy plant, largely used for edging; plant compact and beautiful. *Hardy Perennial.*
A. Maritima. Rosy pink, $\frac{1}{2}$ ft.....10

ASPERULA (Wood Ruff).

- This hardy annual attains a height of 12 inches, bearing beautiful light blue flowers, sweet scented.
Asperula Azurea Setosa. Blue, 1 ft.....5

ASTERS, CHINA.

- It seems scarcely necessary to speak of the merits of such a universally grown plant as this is; yet there may be some who are not aware of the great strides that have been made in the last few years in improved strains and of the distinct new races that have been originated. Conspicuous among these we may mention the Crown, Goliath and Victoria classes, which will be a pleasant surprise to those who may this season for the first time grow them. *Half-hardy Annuals.*
Aster, China. Fine mixed.....5
 — **Reid's German Quilled.** Flowers double; the petals have the appearance of quills or tubes; height from $1\frac{1}{2}$ to 2 ft., finest mixed colors.....5
 — **Betteridge's Quilled.** An improved form of Quilled Aster. The flowers are of fine form and brilliant colors, 2 ft. Finest mixed. (*See cut.*).....10
 — **Truffaut's Pæony-Flowered.** Very double, of fine form, round as a ball; produces few side flowers; $1\frac{1}{2}$ ft. in height; many colors, mixed.....10

ASTERS, CHINA.—Continued.

- Per Pkt.*
Aster, Pæony-Flowered Perfection. Flowers large and double, the petals beautifully incurved; one of the best in every respect; mixed, 2 ft. (*See cut.*).....15
 — **Dark Blue**.....15
 — **Azure Blue**.....15
 — **Dark Crimson**.....15
 — **Bright Rose**.....15
 — **Pure White**.....15
Dwarf Chrysanthemum-Flowered. A splendid variety of dwarf, compact habit, 9 inches in height, flowers large, and produced when other varieties are out of bloom. Mixed. (*See cut.*).....10
 — **Fiery Scarlet**.....15
 — **Snowstorm.** Pure white.....15
 — **Dark Blue**.....15
 — **Azure Blue**.....15
 — **Rose and White**.....15
Dwarf Pyramidal Bouquet. Height from 12 to 15 inches; a very fine variety; mixed colors. (*See cut.*).....10
 — **Crown, or Cocardeau.** A very handsome variety with large flowers, the centres of which are pure white surrounded with many bright colors, 2 ft. (*See cut.*).....10
 — **Goliath.** The flowers of this class are of enormous dimensions, and of the most perfect form. It blooms profusely; the plant is of strong, robust habit. Beautiful colors, mixed, $2\frac{1}{2}$ ft.....15
 — **Hedgehog, or Porcupine.** The flowers of this variety are composed of long-quilled, curious-looking petals; height about 2 ft. Mixed colors. (*See cut.*).....10
 — **Rose-Flowered.** The flowers are large and double, the outer petals finely recurved and the inner ones incurved like a rose. $2\frac{1}{2}$ ft. in height; extra choice mixed. (*See cut.*).....15
 — **Victoria.** One of the finest Asters in cultivation; flowers very large, perfectly double; imbricated and globular; 20 inches in height; choice mixed colors. (*See cut.*).....15
 — **Victoria Snow White.** A most beautiful variety of the preceding; flowers pure snowy white.....15
 — **Victoria Sulphur Yellow.** (*See Novelties*, p. 46.).....25
 — **Dwarf.** (*See Novelties*, p. 46.).....25
 — **Washington.** One of the finest and largest varieties in cultivation. Well grown flowers measure 5 inches in diameter. Mixed colors.....15

Collections of Asters on page 49.

AUBRIETIA.

- Quite an ornamental genus, of dwarf-growing character, and for this reason is a most appropriate plant for rock work, or for planting in edgings.
Aubrietia Græca. Lilac, $\frac{1}{2}$ ft. *Hardy Perennial*.....10
 — **Purpurea.** Purple, $\frac{1}{2}$ ft. *Hardy Perennial*.....10

AURICULA.

- Our seed of this grand perennial plant is from one of the best English collections. Flowers are of various shades, yellow, crimson and maroon.
Auricula. Finest mixed, $\frac{1}{2}$ ft.....25

AZALEA.

- A splendid green-house plant, the varieties of which are now almost numberless, running through nearly every known shade of color.
Azalea Indica. Finest mixed.....25

BALLOON VINE (Love in a Puff).

- The name of this genus, *Cardiospermum*, is derived from the Greek, and signifies heart seed, in allusion to the white heart-shaped scars on the seed. It is a climbing plant, useful alike for inside or outdoor decoration. *Half-hardy Annual.*
Cardiospermum Halicacabum. White, 5 ft.....5

BALSAM (Lady's Slipper, Touch-me-not).

- Besides the grand strain of Balsam, known as Henderson's Superb, our customers will be very much pleased with the other strains here offered. We take special care in the selection, and our Balsams, as we have them now, cannot be surpassed either in doubleness or in the great variety of colors which they present. In order to have the best quality of Double Balsams, they must be transplanted from seed bed; if left where sown they will only be semi-double.

BALSAM.—Continued.

Per Pkt.

- Balsam, Henderson's Superb.** (See colored plate in Catalogue of 1883), (see Novelties, page 46). 15 cts. per pkt., or collection of eight distinct kinds, one pkt. of each, for \$1 00
- **Double Camellia-Flowered.** Finest mixed, 2 ft. 10
 - **Double Mauve.** 10
 - **Double Pink.** 10
 - **Double White.** 10
 - **Double Scarlet.** 10
 - **Double Crimson Spotted.** 10
 - **Double Flesh-Colored.** 10
 - **Double Scarlet Mottled.** 10
 - **Double Crimson Mottled.** 10
 - **Double White Perfection.** Flowers snow white, round as a silver dollar, of immense size and solidity, and the most thoroughly double of any double Balsam we ever saw. 25
 - **Double Solferino.** A most beautiful variety, striped and streaked with lilac and scarlet, on a satin white ground. 15
 - **Double Extra Choice Mixed.** 15

FOR COLLECTIONS OF BALSAMS SEE PAGE 49.

BAPTISIA (False Indigo).

A beautiful herbaceous plant, flowers bright blue, pea-shaped, borne on spikes 6 inches long. *Hardy Perennial.*

- Baptisia Australis.** Blue. 10

BARTONIA.

Plants of a succulent character, with large golden flowers, expanding only in the middle of the day. When in perfection this is a fine plant, and, although its habit and foliage are less attractive than some other annuals, in size and brilliancy of blossoms it is inferior to none. *Hardy Annual.*

- Bartonia Aurea.** Golden yellow, 2 feet. 5
— **Nana.** A dwarf growing variety, 9 inches high. 10

BEGONIA.

In the green-house or parlor in winter, the graceful, pendulous flowers of this beautiful class render them most desirable, but with added beauty in their glossy, waxen foliage they are simply superb. They are equally adapted, too, for summer planting.

- Begonia Rubra.** A splendid winter flowering variety, bearing flowers of scarlet rose, glossy and wax-like; most beautiful and distinct. 25

- **Ne Plus Ultra.** Flowers bell-shaped, of immense size, and of a light, dazzling scarlet. 25

— **Tuberous Rooted Sorts.** They are magnificent flowering plants in pots, and in Europe are extensively bedded out, flowering in the greatest profusion all summer. The individual florets will average from 2 to 3 inches in diameter, and in the collection we offer will be found lovely shades of all colors. Take up after the frost has killed the foliage, and keep the bulbs in a warm, dry place.

- Tuberous Rooted Begonia, mixed, single.** 25
" " " " double. 50
" " " " Mt. Blanc (single white). 25

BELLIS (Double Daisy).

An old favorite, and one of the most charming spring flowers. In bloom from April to June. *Half-hardy Perennials.*

- Bellis Perennis fl. pl.** Finest mixed, 1½ ft. (See cut.). 15
— **Alba fl. pl.** Pure white double Daisy. 15
— **Longfellow.** A fine large flowering double Daisy, with dark rose flowers. 25

BERTOLONIA VELUTINA.

- B. Velutina.** (See Novelties, page 46). 75

BRACHYCOME.

Dwarf-growing plants, covered all summer with a profusion of Cineraria-like blooms. *Half-hardy Annuals.*

- Brachycome Iberidifolia.** (Swan River Daisy.) Mixed blue and white, ½ ft. (See cut.). 10

BRYONOPSIS.

Per Pkt.

A climbing annual of great beauty, bearing green fruits, which change in color as the season advances to bright scarlet striped with white. *Half-hardy Annual.*

- Bryonopsis Laciniosa Erythrocarpa.** 10 ft. 5

BROWALLIA.

It is now considered indispensable in all massing and ribbon-line gardening; indeed, for all bedding purposes it is used almost as freely as the Coleus. *Half-hardy Annuals.*

- Browallia Elata Cœrulea.** Blue, 1½ ft. 5
— **Alba.** White, 1½ ft. 5
— **Roezlii.** Mixed colors, blue and white; flowers double the size of the preceding sorts. 15

CACALIA (Tassel Flower).

A popular annual, free flowering and hardy. Flowers tassel-shaped, yellow and scarlet.

- Cacalia.** Mixed colors, 1½ ft. 5

CALAMPELIS (Eccremocarpus).

A quick-growing climber, attaining a height of 10 feet in a season, and bearing profusely clusters of orange-colored tube-like flowers.

- Calampelis Scaber.** 10

CALANDRINIA.

Creeping plants, well suited for planting in rock work or similar situations, where they bloom freely. *Hardy Annuals.*

- Calandrinia Grandiflora.** Rosy pink, 1 ft. 5
— **Umbellata.** Violet crimson, ½ ft. 5

CALENDULA.

Hardy annuals, free blooming and attractive, and growing well in almost all situations.

- Calendula Pluvialis.** (Cape Marigold.) Large, pure white, 1 ft. 5
— **Pongei fl. pl.** (Pot Marigold.) Double white. 5
— **Officinalis "Meteor."** A newer variety, very fine for pot culture, bearing large light yellow flowers, striped with bright orange. (See cut.). 5
— **Ranunculoides fl. pl.** (Garden Marigold.) Double orange, 1 ft. 5
— **Prince of Orange.** It is a very marked improvement on the parent (Meteor) sort, the florets being striped with a more intense shade of orange, and this glowing tone is imparted to the whole flower. 15

CALCEOLARIA.

One of the grandest plants in existence. Their dense mass of beautiful pocket-like flowers are formed in spring and summer.

Calceolaria Hybrida Superba. From the finest formed and most beautifully spotted and mottled varieties, 1½ ft. (See cut.). 50

- **Hybrida.** This assortment is mostly made up of self colors. Mixed. 25

- **New Dwarf.** A beautiful dwarf variety; can be grown without stakes, and is literally loaded with flowers, finely spotted and marked. 50

- **Shrubby, (Rugosa.)** Splendid variety for bedding; finest mixed, 2 ft. 50

CALLIOPSIS, OR COREOPSIS.

This interesting genus is a native of this country, and ranks among the best annuals. *Hardy Annuals.*

- Calliopsis.** Mixed, 2 ft. 5
— **Atrosanguineum.** Dark crimson. 5
— **Drummondii.** Yellow. 5
— **Tinctoria.** (Bi-color.) Yellow and brown. 5

CALLIRHOE.

While the plants are yet very small this begins to bloom profusely, continuing throughout the summer and fall. *Hardy Annuals.*

- Callirhoe Involucrata.** Dark purplish crimson, 1 ft. 5
— **Pedata.** Crimson purple, with white eye, 2 ft. 5

Samples of the new Henderson Strawberry were shown at the Strawberry Exhibition of the Wilton, Ct., Farmers' Club. It received the first prize for flavor, being delightful, even surpassing the Downing.

CAMPANULA (Bell Flower.)

A favorite class of plants, containing both annuals, biennials and perennials.

Campanula Carpatica. Mauve. <i>Hardy Perennial</i> , 1 ft.	5
— Carpatica Alba. Pure white. <i>Hardy Perennial</i> , 1 ft.	5
— Lorei. Purple lilac. <i>Hardy Annual</i> , 1 ft.	5
— Lorei Alba. White, tinged with silver gray. <i>Hardy Annual</i> , 1 ft.	5
— Media. (Canterbury Bells.) Double blue.	5
— — — — — Single blue.	5
— — — — — Double white.	5
— — — — — Single white.	5
— — — — — Double mixed.	5
— — — — — Single mixed.	5
— Calycanthema Cœrulea. Blue.	10
— Alba. White.	10
— Rosea. "Pink Canterbury Bell." The class <i>C. Media Calycanthema</i> , to which this variety belongs, is a new form of the old Canterbury Bells (distinguished by the calyx forming a cup around the base of the bell or corolla).	15
— Pyramidalis. Blue. <i>Hardy Perennial</i> , 3 ft.	5
— Pyramidalis Alba. White. <i>Hardy Perennial</i> , 3 ft.	5
— Speculum. (Venus' Looking-glass.) Blue, $\frac{1}{2}$ ft.	5
— — — — — White, $\frac{1}{2}$ ft.	5
— flore pleno. A double blue variety of the well known Venus' Looking-glass.	10

CANARY BIRD FLOWER (Tropæolum Peregrinum).

There is no more desirable climbing plant in cultivation than this. It is of rapid growth, and produces an abundance of yellow fringed flowers. *Half-hardy Annual*.

Canary Bird Flower. Yellow, 10 ft. 10

CARNATION (Dianthus Caryophyllus).

C. Extra Choice Bizarre. Saved from an unequalled collection of named flowers, which will produce a fine assortment of superbly colored varieties, including flakes, bizarres and selfs; 1 to 2 ft. (See cut.)	50
— Perpetual, or Tree. From the best collection extant, and may be expected to produce beautiful new varieties, of various colors, and of the highest merit, 2 ft.	50
— New Grenadin. It blooms much earlier than any other Carnation, and produces in the greatest abundance perfectly double flowers, of good size, and of the most vivid scarlet hue. The habit of the plant is dwarf and compact. (See cut.)	25
— Picotee. Edges of petals bordered with various colors; mixed colors.	50
— Monthly, Fine Double German, Mixed. From named flowers.	25
— Double Mixed. For border culture. 1 to 2 ft. (See cut.)	10

CASTOR-OIL BEANS (See Ricinus).

CATCHFLY (Silene Armeria).

Free blooming hardy annuals of the easiest culture.

Catchfly, Red. $1\frac{1}{2}$ ft.	5
— White. $1\frac{1}{2}$ ft.	5
— Rose. $1\frac{1}{2}$ ft.	5
— Mixed.	5

CANDYTUFT (Iberis).

One of the most popular hardy annuals; almost equally so as Sweet Alyssum; like it, it is of the easiest culture.

Candytuft, Fragrant. Pure white, pinnated foliage, 1 ft.	5
— Crimson. Very beautiful, 1 ft.	5
— Lilac. Dwarf, very compact, $\frac{3}{4}$ ft.	5
— Dark Purple.	5
— Rocket. Pure white, in large trusses, 1 ft.	5
— White. Very delicate, 1 ft.	5
— New Carmine. Produces a mass of vivid carmine blooms.	10
— Fine Mixed. 1 ft.	5
— Perennial. (<i>I. Sempervirens</i> .) White, 1 ft.	10
— New Tom Thumb. 5 sorts. (See Novelties, page 46.) Each, 15 cts.	

CEDRONELLA.

Per Pkt.

Long spikes of flowers, remaining a long time in bloom, with fragrant foliage.

Cedronella Cana. Purple, 2 ft. 10

CELOSIA.

Annual plants of tropical origin, and one of the most satisfactory and showy plants for garden decoration. The "Plumosa" sorts bear in the greatest profusion spikes of beautiful feather-like blooms. The "Cristata" sorts are the well known Cockscombs. *Half-hardy Annuals*.

Celosia Plumosa Aurea. Golden yellow plumes, very fine, 3 ft.	10
— Plumosa Coccinea. Rich carmine, 3 ft.	10
— Cristata Variegata. (New variegated Cockscomb.) A new and strikingly beautiful variety, bearing brilliant combs of crimson and gold, 3 ft.	10
— Cristata. (Cockscomb.) Dwarf, crimson, fine, 1 ft.	5
— Dwarf Yellow.	5
— Dwarf Mixed. (Cockscomb.) 1 ft.	5
— Japonica (New Japanese Cockscomb.) A new branching variety of great beauty. The branches are scarlet or crimson; the combs are almost as delicately cut as ruffled lace, often in pyramidal masses. (See cut.)	10
— Glasgow Prize. An improved Cockscomb, producing large blooms of dark crimson	15

CANNA

(Indian Shot).

With foliage of tropical luxuriance, this plant is particularly suitable for forming groups on lawns, or placed as backgrounds for dwarfier growing plants, for which purposes they are now largely used. Of late years this tribe have developed great beauty and variety of flowers, giving them added interest and value. *Half-hardy Perennials*.

Canna Marechal Vaillant. Splendid variety, orange, 4 to 6 ft.	10
— Musefolia Hybrida. Red, foliage resembling a small banana, 2 ft.	10
— Nepalensis. Clear yellow, green foliage, 3 ft.	10
— Tricolor. Bright scarlet, striped foliage, 2 ft.	10
— Warszewiczii. Brilliant red, variegated foliage, 3 ft.	10
— Zebrina. Scarlet, striped foliage, 4 ft.	10
— Finest Mixed	5

CASTILLEJA.

C. Indivisa. This plant attains a height of $1\frac{1}{2}$ ft., and is surmounted by a dense mass of scarlet bracts. It is wondrously beautiful. *Half-hardy Annual*. (See cut.) 25

CENTAUREA (Dusty Miller).

All the varieties here named, except *C. Americana* and *C. Cyanus*, are among the best silver-foliaged plants in cultivation. *Perennials*.

Centaurea Americana. A strong-growing annual variety, flowers reddish purple, 1 ft.	5
— Cyanus Minor. (Corn flower.) One of the finest annuals grown for cut flowers; blooms all summer. We offer the following colors:	
— — — — — Dark Blue.	5
— — — — — Sky Blue.	5
— — — — — White.	5
— — — — — Rose.	5
— — — — — Mixed.	5
— Candidissima. 1 ft. The dwarfest silver-leaved plant used for ribbon lines. (See cut.)	25
— Clementei. Free-growing variety, producing crowns of silvery leaves, deeply fringed and cut; 1 ft. (See cut.)	15
— Gymnocarpa. A graceful silver-foliaged variety; one of the best for bedding purposes; $1\frac{1}{2}$ ft. (See cut.)	15

The Celery plants I ordered came in first-class order to-day, which I hardly expected, as they had so far to come.

E. M. RUGG.

HUTCHISON, KANSAS July 23d, 1884.

CARNATION, GRENADIN.
See page 55.

CARNATION, HARDY BORDER.
See page 55.

CHRYSANTHEMUM—THE SULTAN.
See page 57.

CASTILLEJA.
See page 55.

CHRYSANTHEMUM INODORUM,
FL. PL.
See page 57.

CHRYSANTHEMUM CORONARIUM,
FL. PL.
See page 57.

CARNATION, BIZARRE.
See page 55.

CYPRESS VINE, IVY-LEAVED.
See page 58.

CENTAUREA CLEMENIEL.
See page 55.

CENTAUREA CANDIDISSIMA.
See page 55.

CENTAUREA GYMNOCARPA.
See page 55.

CINERARIA MARITIMA.
See page 57.

COCCINEA.
See page 57.

COLEUS, AMERICAN HYBRIDS.
See page 57.

CONVOLVULUS, CRIMSON VIOLET.
See page 58.

CELOSIA JAPONICA.
See page 55.

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I tested, side by side, Henderson's Selected Early Jersey Wakefield with seed obtained from five other seedsmen, and your Wakefield was ready for market fully two weeks sooner than the Wakefield from any of the other houses. I would rather pay \$20 per lb. for yours than have the others as a gift.

WILMINGTON, Jan. 19th, 1884.

R. M. BIDDLE.

CENTRANTHUS.

Per Pkt.

Compact-growing plants, blooming freely. *Hardy Annuals.*
Centranthus. Mixed, red and white, 1½ ft. 5

CERASTIUM.

Silver-leaved plants, very suitable for edgings and rock work.
Hardy Perennials.

Cerastium Biebersteinii. Leaves silvery white, ¼ ft. 10
 — **Tomentosum.** Gray-colored leaves, ¼ ft. 10

CERINTHE (Honeywort).

The blossoms of these showy annuals secrete honey largely, which makes them much resorted to by bees.

Cerithe Aspera. Golden yellow, 1 ft. 5
 — **Gymnandra.** Yellow and brown, 1 ft. 5

CLARKIA.

An old favorite, the varieties of which are described below.
Hardy Annual.

Clarkia Rosea fl. pl. Beautiful double variety, 1½ ft. 5
 — **"Mrs. Langtry."** Snow-white, with a well defined disc or centre of brilliant crimson 5
 — **Integripetala.** Rosy crimson, large and handsome, 1½ ft. 5
 — **Pulchella.** Deep rose, 1½ ft. 5
 — **Alba.** Pure white, very pretty, 1½ feet. 5
 — **Finest Mixed Varieties** 5

CHAMÆPEUCE.

These thistles are quite ornamental in some styles of outdoor gardening.

Chamæpeuce Casabonæ. (Fishbone thistle.) Glossy dark green leaves, with white nerves and brown spines. *Half-hardy Perennial.* 1 ft. 10
 — **Diacantha.** (Ivory Thistle.) Magnificent ornamental foliaged biennial, with long leaves thickly set with spines, 2 ft. 10

CHRYSANTHEMUM.

The great and growing demand for the annual varieties has brought Chrysanthemums into general favor. The colors have the appearance of being laid on with a brush, and for this reason they are frequently called "painted daisies."

Chrysanthemum Burridgeanum. Crimson, white centre. *Hardy Annual.* 1 ft. 5
 — **Venustum.** White, crimson centre. *Hardy Annual.* 1 ft. 5
 — **Lord Beaconsfield.** A rich crimson maroon, edged and striped with gold, and having a golden rim surrounding the rich brown eye. 10
 — **The Sultan.** A rich crimson maroon, with gold-colored rim, about a quarter of an inch deep, next the centre. (*See cut.*) 10
 — **W. E. Gladstone.** A new and very distinct type, the whole of the flower being of rich crimson; exceedingly brilliant in appearance. 10
 — **Carinatum "Eclipse."** (*See Novelties*, p. 46) 25
 — **Coronarum.** Double white. (*See cut.*) *Hardy Annual.* 2 ft. 5
 — **Double Yellow.** *Hardy Annual.* 2 ft. 5
 — **Sulphureum fl. pl.** (*See Novelties*, p. 46) 25
 — **Inodorum Plenissimum.** Dwarf growing, double white variety; very free flowering and beautiful for pot culture. (*See cut.*) 10
 — **New Annual.** "Lord Beaconsfield," "The Sultan," and "W. E. Gladstone." Each 10 cts. per pkt., or set of three for 25
 — **Mixed Annual Varieties** 5
 — **Frutescens Grandiflorum.** (The "Marguerite" or "Paris Daisy.") Immense quantities are grown by French florists, and find a ready sale. It produces freely its large white star-like flowers under the most unfavorable conditions. 15
 — **Indicum.** (*Large-flowering Chinese.*) Extra fine double mixed. *Half-hardy Perennial.* 3 ft. 15
 — **Nanum.** (Dwarf Pomponé.) Choice double mixed. *Half-hardy Perennial.* 1 ft. 15
 — **Japonicum.** The Japanese long-petalod or fringed varieties now so popular. Mixed colors. 15
 — **Segetum Grandiflorum.** A large-flowering variety with blooms of a bright sulphur-yellow color, measuring 2 to 2½ inches in diameter. Invaluable for cut flowers. 15

CINERARIA.

Per Pkt.

The class known as *C. Hybrida* is a very attractive greenhouse plant, and is justly much admired. The varieties *C. Maritima* and *Acanthifolia*, also offered, are altogether different, having no beauty in the flowers, being cultivated for their silvery foliage, which makes them the finest plants for ribbon lines and masses that are grown.

Cineraria Hybrida. Extra choice mixed colors. From prize varieties. 2 ft. 50
 — **New Dwarf.** Finest mixed, 1 ft. 25
 — **Good.** Mixed 25
 — **Double Flowering.** They are representatives of all the modifications of color usually found among the Cinerarias. Mixed 75
 — **Maritima.** An ornamental-foliaged plant, with large silvery leaves. *See cut.* 10
 — **Acanthifolia.** White leaved, for ribbon lines. 10

CLEMATIS

(Virgin's Bower).

Well known hardy climbing plants.

Clematis Flammula. White, fragrant, 15 ft. 10
 — **Virginiana.** Green, 15 ft. 10

CLEOME.

Cleome Rosea. Half-hardy Annual, with rose colored flowers, 2 ft. 5

CLIANTHUS

(Australian Glory Pea.)

Magnificent plants, which should be grown in light, rich soil.

Clanthus Dampieri. Flowers in clusters, drooping, pea-shaped, several inches in length, of a brilliant scarlet, with intense black spots in the centre of each flower, 4 ft. (*See cut.*) 25
 — **"German Flag."** A new and beautiful form of Clanthus Dampieri, so named from the resemblance of the flower to the flag of the German nation. 50

COBÆA.

A fine summer climbing plant, quick growing, and bearing large bell-shaped flowers. In sowing place the seed edgewise. *Half-hardy Perennial.*

Cobæa Scandens. Purple, 20 ft. 10
 — **Alba.** (*See Novelties*, p. 46) 25

COCCINEA.

A handsome climbing gourd, with glossy foliage and scarlet fruit. *Half-hardy Perennial.*

Coccinea Indica. Scarlet, 10 ft. (*See cut.*) 10

COCKSCOMB (See Celosia Cristata).

COLEUS.

We have this season saved seed from the very finest new Hybrid Coleus, which is certain to produce splendid varieties.

Coleus, Choicest New American Hybrids. Mixed. (*See cut.*) 50
 — **Fine Mixed** 25

COLLINSIA.

Very pretty plants, with purple, blue and white flowers. *Hardy Annuals.*

Collinsia. Mixed, 1½ ft. 5

COLLOMIA.

Used for border beds; flowers buff colored. *Hardy Annuals.*

Collomia Grandiflora. 1 ft. 5

WILLIAMSPORT, PA., April 21st, 1884.

I wish to compliment you on your excellent Handbook of Plants. It is a most instructive work and deserves a place in every library.

AUGUST KOCH.

CONVOLVULUS (Morning Glories).

Per Pkt.

All will recognize in this the most popular annual in cultivation, for in this tribe is included the well-known Morning Glory. The *Minor* varieties are largely used, and well suited for bedding; they attain an average height of one foot. *Half-hardy Annuals.*

- Convolvulus Aureus Superbus.** Beautiful golden yellow, 6 ft.10
- **Major.** We this season offer the following distinct kinds, white, dark blue, blood-red, striped rose and mixed. Each... 5
- **Tricolor, Roseus.** The centre of its rose-colored flowers is pure white, fringed with purple, and shading away toward the throat in five broad bands of golden yellow..... 5
- **Minor Tricolor.** Violet, purple, and white. 1 ft. 5
- **Minor Unicaulis.** A variety of upright growth, compact heads of rich purplish-blue flowers..... 5
- **Minor. Crimson Violet.** (See cut.)..... 5
- **Mauritanicus.** Beautiful for hanging baskets and vases; flowers blue. *Hardy Perennial*.....10

COSMANTHUS.

A neat little spreading plant, with pretty fringed flowers. *Hardy Annual.*

- Cosmanthus Fimbriatus.** Lilac and white, 1 ft..... 5

COSMIDIUM.

A beautiful Coreopsis-like annual, with large and very showy flowers admirably adapted for groups or marginal lines. *Hardy Annual.*

- Cosmidium Burridgeanum.** Crimson, brown and yellow, 2 ft..... 5

COWSLIP.

In very early spring this is a useful plant for borders. *Hardy Perennial.*

- Cowslip.** Fine mixed English, $3\frac{1}{4}$ ft..... 5

CRUCIANELLA.

A very pretty free-flowering plant, useful for rock work and vases. *Hardy Perennial.*

- Crucianella Stylosa.** Pink, from Persia, 1 ft..... 5

CUPHEA.

Commonly called "Lady's Cigar Plant." This variety is a decided improvement on the old sort.

- Cuphea Roezlii Grandiflora Superba.** Grows $3\frac{1}{2}$ feet high, and studded during winter with countless red blossoms.....15

CYCLAMEN.

Valued green-house plants, the rich blooms of which are largely used by bouquet-makers to give variety to made-up baskets and bouquets. Their orchid-like blooms possess great beauty. *Half-hardy Perennial.*

- Cyclamen Persicum.** Mixed, $1\frac{1}{4}$ ft25
- **Extra Choice.** Mixed.....50
- **Persicum Giganteum.** A great improvement over the older sort; each flower measures from 2 to $2\frac{1}{2}$ inches in length. Mixed. (See cut.).....75
- **Album.** A new white variety of the Giganteum type, possessing great merit. The plant is of a compact habit, with strong flower-stems, and very fine foliage. It produces a great profusion of bloom of a pure white color and good substance.....75
- **Rubrum.** This magnificent Cyclamen is undoubtedly one of the most charming ever introduced. The flowers are equal in size and substance to the well known strain of Giganteum, and are thrown up well above the foliage; the color is delicate rose, changing to a bright crimson at the base, producing an unrivaled tint. Awarded two first-class Certificates in England.....75

CUCUMIS.

Per Pkt.

Ornamental Cucumbers with curious fruit, remarkable for the luxuriance and rapidity of their growth. *Half-hardy Annuals*, 6 ft.

- Cucumis Dipsaceus.** Sulphur yellow, very elegant..... 5
- **Flexuosus** (Snake Cucumber) Fruit 3 feet long..... 5
- **Grossularia** (Gooseberry Gourd)..... 5

CYCLANTHERA.

A climbing plant, bearing oval-shaped fruit, exploding loudly when ripe. *Half-hardy Annual.*

- Cyclanthera Explodens.** 10 ft.10

CYPRESS VINE.

A popular annual climbing plant, with delicate fern-like foliage. *Half-hardy Annuals.*

- Cypress Vine.** Scarlet, 15 ft..... 5
- White, 15 ft..... 5
- Rose, 15 ft..... 5
- **New Ivy-Leaved.** Ivy-shaped leaves and slender stems of a violet hue. Flowers striking scarlet, produced in profusion. (See cut.).....10

DAHLIA.

Saved from our magnificent collection, comprising almost every known shade of color. *Half-hardy Perennials*, 4 to 6 ft.

- Dahlia.** Double. Fine mixed.....10
- **Extra Fine.** Double. (From our own collection.) (See cut.).....25
- **New Single.** Many of the varieties of these single Dahlias are exceedingly beautiful, and the seed we offer, saved from one of the best collections extant, may be expected to produce many distinct desirable sorts. (See cut.).....25

DATURA.

(Trumpet Flower, Angel's Trumpet).

Hardy Annual with double purple and white flowers; attaining a height of 3 ft.

- Datura Fastuosa Huberiana**10

DELPHINIUM.

(Perennial Larkspur).

Delphinium Nudicaule. Its dwarf, compact habit, taken in connection with the novel and striking scarlet of its flowers, renders it peculiarly valuable; $1\frac{1}{2}$ ft.....15

- **Cashmerianum.** In this variety flowers an inch in diameter are borne on stems from 12 to 15 inches long. Flowers light purple, very striking and beautiful; 2 ft. (See cut.).....15

- **Formosum.** Beautiful rich blue and white; flowers the first year, 3 ft..... 5
- **Finest Mixed Hybrids.** A great variety, 2 ft..... 5

DIDISCUS.

Didiscus Cœruleus. A very pretty little blue border plant. *Half-hardy Annual*, 2 ft..... 5

DIANTHUS.

This magnificent tribe is one of the most satisfactory that can be raised from seed. *D. Caryophyllus* and its varieties are the much admired Carnations and Picotees. *D. Barbatus* is the well known Sweet William. *D. Chinensis* and varieties are known as Indian Pinks, perhaps one of the most beautiful class of plants existing. *D. Heddewigii* and *Diadematus* are splendid sorts, with flowers averaging 3 inches in diameter, and of the most brilliant colors.

ANNUAL VARIETIES.

- Dianthus Chinensis fl. pl.** (China or Indian Pink) finest double mixed. *Hardy Annual*..... 5
- **Alba Flore Plena.** Double white. *Hardy Annual*, 1 ft..... 5
- **Heddewigii fl. pl.** (Double Japan Pink). Very beautiful mixed colors. *Hardy Annual*, 1 ft10
- **Heddewigii Atropurpurea fl. pl.**10
- **Diadematus flore pleno.** A striking variety of luxuriant but dwarf and compact growth. Flowers densely double, comprising all shades of color.....10
- **Imperialis fl. pl.** (Double Imperial Pink). Fine mixed. *Hardy Annual*10
- **Laciniatus.** A beautiful fringed variety; various colors. *Hardy Annual*, 1 ft. (See cut.)..... 5

I want to say of the New Fancy Hybrid Petunia Seeds bought of you last season, that they were all my fancy painted them and more. You cannot praise them too highly, if mine were an average sample.

MELROSE, MASS., January 16th, 1884.

R. B. EDSON.

DIANTHUS, Annual Varieties.—Continued.

- Per Pkt.*
Dianthus Laciniatus Flore Pleno. A double variety of the preceding; very fine. (*See cut.*).....10
 — **"Eastern Queen."** Beautifully marbled; the broad bands of rich mauve upon the paler surface of the petals are very striking and pretty.....15
 — **"Crimson Belle,"** as its name implies, is of a rich crimson color, flowers of very large size and substance, evenly and finely lacinated.....15

PERENNIAL VARIETIES.

- Dianthus Gardnerianus.** Various colors. *Hardy Perennial*, 1½ ft.....10
 — **Barbatus.** (*See Sweet William*). Fine mixed, 1 ft.....10
 — **Plumarius.** (Pheasant-eye Pink). Very fragrant. *Hardy Perennial*, ½ ft.....10
 — **Scoticus fl. pl.** (Paisley, or Florists' Pink.) (*See cut.*) 60

DIGITALIS.

(Foxglove).

Handsome ornamental plants of stately growth and varied colors. *Hardy Perennials*.

- Digitalis Alba.** Pure white, 3 ft..... 5
 — **Gloxinoides.** White, crimson spotted, 3 ft..... 5
 — **Purpurea.** Purple, 3 ft. 5
 — **Fine Mixed Varieties.** (*See cut.*)..... 5

DODECATHEON.

(American Cowslip, Shooting Star).

A hardy herbaceous perennial, with beautiful light purple flowers.

- Dodecatheon Meadia.** 1 ft.....10

DOLICHOS.

(Hyacinth Bean).

Beautiful climbing plants of free growth, flowering in clusters, 10 ft. *Tender Annuals*.

- Dolichos Lablab.** Purple; beautiful in fall..... 5
 — **Alba.** White..... 5

ESCHSCHOLTZIA.

(California Poppy).

Very profuse blooming plants of extremely rich and beautiful colors, 1 ft. *Hardy Annual*.

- Eschscholtzia Californica.** Bright yellow, with rich orange centre..... 5
 — **Californica Alba Flore Pleno.** The seed produces plants 75 per cent. of which bear beautiful double white flowers.....10
 — **Dentata Sulphurea.** New and curious variety..... 5
 — **Crocea fl. pl.** A double-flowering variety, flowers bright orange scarlet, shading off to salmon red. An abundant bloomer. (*See cut.*)..... 10
 — **Rose Cardinal.** The flowers are of a rich rose colored hue, most effective and beautiful. (*See cut.*).....10
 — **Mandarin.** A most beautiful and distinct variety. The inner side of the petals is of a rich orange color, the outer side being brilliant scarlet, of the type known in new fabrics as the mandarin scarlet, and when in full bloom the plants of this charming novelty present a gorgeous outline. The inner surface of the flowers has a rich, silk-like appearance, resembling the beautiful silk of the silk worm. (*See cut.*).....10
 — **Tennifolia.** (Fern Leaved). Foliage finely cut, flowers bright yellow..... 5
 — **Rosea.** Flowers tinged with bright rose, very pretty.. 5
 — **Fine Mixed.** All colors..... 5

ECHEVERIA METALLICA.

It is only recently that we have been able to offer seed of this valuable succulent, now so largely used, both as a pot plant for decorative purposes and for bedding out in summer. The packets we shall sell apparently contain a very small quantity, as the seed is exceedingly fine; but each packet will be found sufficient to produce 250 plants, if care is used in sowing..... 50

ERICA (Cape Heath).

Well known, very beautiful and interesting green-house shrubs, flowering most profusely.

- Erica.** Choice varieties, mixed, 2 ft. (*See cut.*)..... 15

ERYSIMUM.*Per Pkt.*

Showy, free flowering, handsome hardy annuals; very effective in beds or mixed borders.

- Erysimum Arkansanum.** (Western Wallflower.) Sulphur yellow, 1½ ft..... 5
 — **Peroffskianum.** Beautiful shade of orange..... 5

ERYTHRINA (Coral Tree).

Forms a shrub about 5 feet high, bearing large spikes of deep scarlet, pea-shaped blossoms. *Half-hardy Shrub*.

- Erythrina Christa Galli.** Scarlet.....25

ETERNAL OR EVERLASTING FLOWERS.

(*See Helichrysum, Xeranthemum, Rhodanthe, Acroclinium and Gomphrena*).

EUCALYPTUS GLOBULUS.

(Blue Gum Tree).

It makes a pretty tree, and would form an object of interest in sub-tropical planting in one season, but is not hardy.

- Eucalyptus Globulus.** ("Fever and Ague Plant").....10

EUCHARIDIUM BREWERI.

- E. Breweri.** (*See Novelties, page 46*).....25

EUPATORIUM.

Very pretty herbaceous plants, with bunches of showy white flowers, fine for bouquets. *Hardy Perennials*.

- Eupatorium Fraserii.** (Described above).....10

EUPHORBIA.

(Variegated Spurge).

An annual variety, hardy, with white and green bracts, giving it a variegated appearance.

- Euphorbia Variegata**, 1½ ft..... 5

EXACUM AFFINE.

New biennial species, forming small, dense bushes about 6 inches high and having dark green leaves and terminal clusters of violet purple, beautifully scented flowers with yellow anthers. Cultivated as a half-hardy annual when sown in the fall, it will produce flowers freely from February until November, and when sown in the spring will flower during the summer and continue in full bloom throughout the winter, and is in consequence a desirable addition to our winter flowering decorative plants.....25

FERN SPORES (Seed).

We offer a fine mixture of Choice Ferns, comprising some of the rarest and most desirable varieties for green-house cultivation.

- Mixture.** (*See cut.*).....25

FUCHSIA.

Our seed of this well known beautiful plant has been saved from a splendid collection of named varieties.

- Fuchsia.** *Single.* Mixed.....25
 — **Double.** Mixed. (*See cut.*).....25

FENZLIA.

A dwarf-growing plant, well suited for rustic baskets or vases; flowers rosy lilac, with orange centre. *Hardy Annual*..... 5

FEVERFEW.

(See Matricaria and Pyrethrum).

FORGET-ME-NOT. (See Myosotis).**FRENCH HONEYSUCKLE.**

(See Hedysarum).

Your seeds have been very good, particularly your Jersey Wakefield Cabbage—also your Early Summer has done remarkably well. *My*
 crop of Wakefield is very extra—thirty heads to the barrel. **M. MEAGHER.**

PHILADELPHIA, June 18th, 1884.

CYCLAMEN GIGANTEUM.
See page 58.

NEW SINGLE DAHLIA.
See page 58.

DAHLIA, DOUBLE.
See page 58.

DELPHINIUM CASHMERIANUM.
See page 58.

DIANTHUS LACINIATUS, DOUBLE.
See page 59.

DIANTHUS LACINIATUS, SINGLE.
See page 58.

DIANTHUS SCOTICUS, FL. PL.
See page 59.

DIGITALIS.
See page 59.

ESCHSCHOLTZIA CROCEA,
FL. PL.
See page 59.

ESCHSCHOLTZIA MANDARIN.
See page 59.

ESCHSCHOLTZIA, ROSE
CARDINAL.
See page 59.

ERICA.
See page 59.

FERNS.
See page 59.

DOUBLE FUCHSIA.
See page 59.

GERANIUM, GOLD AND BRONZE.
See page 61.

GILIA RUBRA VIOLOCEA.
See page 61.

Copyright 1884 by Peter Henderson & Co.

If you need a Hand or Horse Lawn Mower, be sure to write us for special prices.

GAILLARDIA.

Per Pkt.

- A striking looking class, natives of this country, and presenting quite a diversity of color. *Half-hardy Annuals.*
- Gaillardia Coccinea Nana.** Dwarf scarlet, 1 ft. 5
 - Grandiflora Hybrida.** Rich crimson and yellow, 1½ ft. 5
 - Picta Nana.** Crimson and yellow, 1 ft. 5
 - Alba Marginata.** White edged, 1½ ft. 5
 - Fine Mixed Colors.** 5
 - New Double Flowering.** (*See Novelties*). 15

GERANIUM. (Pelargonium).

Well known plants, beautiful alike for pot culture and in the flower garden.

- Geranium Zonale.** Extra fine mixed from "New Types." .. 25
- Zonale.** Fine mixed. 10
- General Grant.** Vivid scarlet. 15
- Gold and Bronze.** New varieties, mixed. (*See cut.*) .. 25
- Double.** Finest mixed from new varieties. 25
- Large Flowered.** (*Pelargonium.*) "Lady Washington" Geranium. From prize varieties. 50
- Fancy Varieties.** (*Pelargonium.*) "Lady Washington" Geranium. Finest mixed. 50
- Apple Scented (true.)** Very fragrant foliage. 25

GILIA.

Very pretty dwarf plants; will bloom in almost any situation; admirably adapted for massing. *Hardy Annuals.*

- Gilia Capitata Major.** Sky blue, ¾ ft. 5
- Nivalis.** Dwarf snow white, ¾ ft. 5
- Tricolor.** White, blue and purple, 1 ft. 5
- Tricolor Rubra Violacea.** Bears beautiful lilac flowers. (*See cut.*) 5
- All Colors Mixed.** 5

GLADIOLUS.

Showy summer and fall blooming bulbs, flowering the second year from seed.

- Gladiolus, French Hybridized Seed.** 10

GLADIOLUS BULBS (In Collections).

Any of the following bulbs sent free by mail at catalogue prices, except where quoted by the hundred.

(Supplied from October to June.)

We make up the following collections from our large stock of named sorts, such as we have a surplus of, which enables us to give our customers a very choice assortment, at much less than Catalogue rates. All the bulbs in these collections are correctly named.

- "A"—12 good named varieties; the collection for. \$1 25
- "B"—12 choice named varieties; " " " " 2 00
- "C"—12 extra choice; " " " " 2 50
- "D"—12 new and rare varieties; " " " " 3 50
- "E"—12 in 12 sorts, without names; " " " " 1 00
- "F"—12 choice mixtures; " " " " 75
- "G"—12 choice seedling mixtures; " " " " 1 00
- "H"—12 choice seedlings, in 12 distinct sorts, with positive colors and markings, including the best white, yellow and scarlets. 2 50

GLADIOLUS BULBS (In Mixtures).

- Various shades of red. Per doz., 50c.; \$3.00 per 100.
- " " of pink and variegated. Per doz., 75c.; \$4.50 per 100.
- Various shades of white and light striped. Per doz., \$1.00; \$6.00 per 100.
- All colors, mixed. Per doz., 50c.; \$4.00 per 100

GLAUCIUM.

(Horn Poppy).

A showy plant, with long, silvery leaves, gracefully re-curved and deeply cut and curled. Flowers bell-shaped, orange yellow.

- Glaucium Corniculatum.** (*Described above*). 10

GLOBE AMARANTHUS (Gomphrena). (Bachelor's Buttons).

Per Pkt.

Remarkably handsome everlastings. The flowers may be cut in summer and preserved for winter bouquets. *Half-hardy Annuals.*

- Globe Amaranthus, White.** 2 ft. 5
- Purple.** 2 ft. 5
- Variegated.** 2 ft. 5
- Nana Compacta.** A dwarf variety of very compact habit; flowers deep violet red. 10
- Mixed.** All colors. (*See cut.*) 5

GLOXINIA.

A superb genus of stove-house plants, profuse bloomers, of great beauty and diversity of colors. *Stove Perennial Bulbs.*

- Gloxinia, Finest Mixed.** From a splendid collection of drooping and erect varieties, 1 ft. (*See cut.*) 50

GODETIA.

Well worthy extended cultivation; their delicate tints of purple and pink have long made them favorites in English gardens, although natives of America. *Hardy Annuals.*

- Godetia, Lady Albemarle.** Flowers large, measuring over three inches across, are of an intense carmine-crimson shade, the edges of the petals being suffused with pale lilac. Profuse bloomer, 1 ft. 10
- Whitneyi, "Brilliant."** Rich carmine, shading off to light rose at the points of the petals. Plant dwarf and compact, and exceedingly free flowering. 10
- The Bride.** White with crimson centre. 10
- Duchess of Albany.** A superb variety, producing a profusion of large, handsome satiny white flowers, the individual blooms frequently measuring four inches across, and undoubtedly the finest white Godetia ever sent out. 10
- Bijou.** The flowers are snow white, with a bright pink spot at the base of each petal. The plant never exceeds 6 inches in height, and forms a dense bush a foot through, covered with a mass of bloom. 25
- Fine Mixed.** 5

GNAPHALIUM.

(Edelweiss).

- Gnaphalium Leontopodium.** The famous and true "Edelweiss" of the Alps. The flowers are of downy texture, pure white and star-shaped. They are greatly sought after as souvenirs, and are sold at a high price in Switzerland. 25

GRAMMANTHES.

- Grammanthes Gentianoides.** A beautiful plant for rock work or rustic baskets; of small size, and covered with orange-scarlet star shaped flowers. *Half-hardy Annual.* 10

GOURDS (Ornamental).

All of this climbing genus are of rapid growth, and produce fruit of peculiar and varied forms. *Tender Annuals.*

- Gourd, Bottle-shaped.** 5
- Miniature.** 10
- Dipper.** 5
- Sugar Trough.** 5
- Hercules' Club.** A curious sort. 10
- Leucantha Longissima.** 10
- Pear-shaped.** Ringed. 10
- Turban.** 10
- New Miniature.** Orange and green striped. 10
- Orange.** Fruit resembles an orange. 5
- Powder Horn.** 5
- Sipho.** 10
- Depressa.** Dark green fruit. 10
- Melopeco, Striped, Flat.** Green, mottled with white. 10
- Egg.** 5
- Fine Mixed.** From a large collection of the most ornamental. (*See cut.*) 5

We send you to-day a sample head of Henderson's Early Summer Cabbage, the finest we have ever seen. Our crop this season, all grown from your seed, was very superior and obtained the highest price of any in this market. ESTATE OF H. E. HOOKER.

[The sample head referred to weighed 15 lbs.]

GRASSES (Ornamental).

Per Pkt.

Nearly all the Ornamental Grasses are very showy and beautiful, and when dried and tastefully arranged in connection with the Everlasting Flowers, make exceedingly attractive winter bouquets.

- Agrostis Nebulosa.** Exceedingly graceful and beautiful. *Hardy Annual*, 1 ft. 5
Avena Sterilis. (Animated Oats.) *Hardy Annual*, 2½ ft. 5
Briza Maxima. (Large Quaking Grass.) Very elegant. *Hardy Annual*, 1 ft. 5
Gracilis. (Slender Quaking Grass.) *Hardy Annual*. ft. 5
Brizopyrum Siculum. Very dwarf, with shining green leaves; very pretty, ½ ft. 10
Bromus Brizæformis. A fine grass. *Hardy Perennial*. 5
Chloris Barbata. Pretty and curious. *Hardy Annual*, 1 ft. 5
Truncata. Fine silvery plumes, 2 ft. 5
Crysurus Aureus. Very dwarf, with yellowish feathery spikes, useful for bouquets. *Hardy Annual*, ½ ft. 10
Coix Lachrymæ. (Job's Tears.) *Half-hardy Annual*, 2 ft. 5
Eragrostis Elegans. (Love Grass.) Elegant and pretty. *Hardy Annual*, 2 ft. 5
Erianthus Ravennæ. A superb perennial grass, resembling the Pampas in appearance and habit of growth, but attaining a greater height than that variety, and is quite hardy. *Hardy Perennial*, 10 ft. 10
Festuca Rigida. Curious dwarf variety. 5
Gymnothrix Latifolia. Splendid ornamental grass. *Half-hardy Perennial*, 10 ft. 25
Gynerium Argenteum. (Pampas Grass.) The finest ornamental grass in cultivation, 10 ft. *Half-hardy Perennial*. 10
Hordeum Jubatum. (Squirrel Tail Grass.) Very handsome, 3 ft. 5
Lagurus Ovatus. (Hare's Tail Grass.) Dwarf, very pretty, 1 ft. 5
Panicum Capillaceum. Extremely ornamental, 3 ft. 5
Sulcatum. Beautiful palm-like foliage, exceedingly ornamental. *Half-hardy Annual*, 2 ft. 10
Setaria Macrocheta. Graceful drooping plumes. *Hardy Annual*, 2 ft. 5
Stipa Elegantissima. One of the most beautiful of ornamental grasses. 10
Pennata. (Feather Grass.) Exceedingly graceful and beautiful. *Hardy Perennial*, 2 ft. 10
Tricholæna Rosea. A very beautiful rose-tinted grass. *Hardy Perennial*, 2 ft. 10
Zea Japonica Variegata. (Variegated Japanese Maize.) Striped Green and White. 5
 Entire collection (one packet of each of 24 ornamental grasses) for \$1.50.

GYPSOPHILA.

Free-flowering little plants for rock work or small beds.

- Gypsophila Muralis.** A charming little plant covered with beautiful pink blossoms. *Hardy Annual*, ½ ft. 5
Paniculata. White, fine for bouquets. *Hardy Perennial* 5

HELIOTROPE.

Well known deliciously fragrant plants; excellent for bedding purposes or pot culture. *Half-hardy Perennial*.

- Heliotrope.** Finest mixed, 18 inches. 10

HELIANTHUS (Sunflower).

Tall growing plants, with large and showy flowers. Culture same as Asters. *Hardy Annuals*.

- Helianthus Californicus fl. pl.** Extra large and double, 5 ft. (*See cut.*) 5
Globosus Fistulosus. Flowers very large and globular-formed, of a bright, rich saffron color, 6 ft. 5
Macrophyllus Giganteus. A large growing variety of pyramidal form, 6 ft. 5
Cucumerifolius. Habit very branching, growing about 3 feet high and blooming profusely throughout the season, flowers 2 inches in diameter, orange-yellow with black centre. 5
Oculatis Viridis. Densely double, with green centre. 5
Oscar Wilde. The flowers are small, and consist of a small jet black centre, surrounded by a row of bright golden petals overlapping each other. Very effective in corsage bouquets. 5
Peruvianus. Double yellow flowers, striped black. 10

HELICHRYSUM. (Everlasting Flowers).

Per Pkt.

Flowers mostly used for winter bouquet, for which they are cut before blooms are expanded, and dried in the shade. *Hardy Annuals*.

- Helichrysum Brachyrhynchum.** Yellow, ½ ft. 5
Bracteatum. Yellow, 1½ ft. 5
Album. White, 1½ ft. 5
Monstrosum. Finest double mixed, 2 ft. (*See cut.*) 5
Nanum. Dwarf, double mixed, 1 ft. 5
Finest Mixed. All colors. 5

HEDYSARUM. (French Honeysuckle).

A beautiful hardy perennial plant, grown in borders, generally known under its inappropriate name of "French Honeysuckle." It is a native of Italy, and has no affinity with the Honeysuckle (*Lonicera*.)

- Hedysarum Coronarium.** Red and white, mixed, 3 ft. 5

HELIOPHILA.

A pretty, bright blue *Hardy Annual*.

- Heliophila Araboides.** 1 ft. 5

HIBISCUS.

A very ornamental and showy *Hardy Annual*; color a rich cream, with brown centre.

- Hibiscus Africanus.** ½ ft. 5
Californicus. An herbaceous perennial, producing an abundance of pure white flowers. 5

HOLLYHOCK.

Old garden favorites, too well known to need description.

- Hollyhock.** Extra choice double, finest mixed. (*See cut.*) 25
Fine Mixed. Good double varieties. 10
Double White. This is one of the most valuable plants now grown for summer flowers. Flowers pure white and perfectly double. 25
Double Yellow. 25
Crimson. 25
Pink. 25

HONESTY.

(Moon Wort.)

Interesting summer-blooming plants, suitable for shrubberies or woodland walks. The seed vessels are flat and broad, and look like transparent silver. Very handsome in bouquets of dried flowers. *Hardy Biennial*.

- Honesty.** Purple, 2 ft. 5

HUMEA.

When fully grown this attains a height of 8 feet, forming a most attractive object, either in the conservatory or in pots on the lawn. Its flowers of ruby red are produced in drooping racemes. *Half-hardy Biennial*.

- Humea Elegans.** (*See cut.*) 15

HYACINTHUS CANDICANS.

(The Cape Hyacinth.)

A most striking and beautiful plant, supposed to be only half-hardy, but which has stood for the last three winters, in this vicinity, without injury with protection. It is a strong grower, and shoots upward a stem 4 to 5 feet high, upon which are regularly arranged drooping white flowers of exquisite fragrance, and of the form shown in our illustration. A very pleasing effect is produced by planting this in the centre of Gladiolus beds; such an arrangement in our grounds, two seasons ago, was greatly admired. (*See cut.*) 10

IMPATIENS SULTANA.

- I. Sultana.** (*See Novelties*, page 47.) 25

IPOMŒA.

Per Pkt.

This beautiful genus, like the *Convolvulus*, to which it is closely allied, is most useful in covering trellises, arbors, or unsightly objects. *Tender Annuals*.

- Ipomœa Bona Nox.** (Evening Glory. Flowers white, large and fragrant, 10 ft. 10
- **Burridgii.** Rose and crimson, 15 ft. 5
- **Coccinea.** (Star Ipomœa.) Bright scarlet, 10 ft. 5
- **Grandiflora Marmorata.** (Variegated Morning Glory.) A very beautiful variety, with heart-shaped leaves of a delicate green, marbled with silver-white; flowers carmine and white, 10 ft. 10
- **Limbata.** Blue and white, 10 ft. 5
- **Quamoclit.** (See Cypress Vine) 5

IBERIS (See Candytuft).

ICE PLANT.

A very singular dwarf trailing plant, much used for garnishing; the leaves and stems are covered with crystalline globules, giving it the appearance of being covered with ice. *Half-hardy Annual*.

- Ice Plant.** (*Mesembryanthemum Crystallinum*.) From Greece; trailer, ½ ft. (See cut.) 5

INDIAN SHOT. (See Canna).

INOPSISIDUM.

One of the few plants that succeed comparatively well in the shade. *Hardy Annuals*.

- Inopsisidium Acaule.** Sky blue, ¼ ft. 10

IPOMOPSIS.

(Standing Cypress.)

Most beautiful plants, with long spikes of dazzling orange and scarlet flowers. *Half-hardy Biennials*.

- Ipomopsis Elegans.** Scarlet, 3 ft. 5
- **Superba.** Orange, 3 ft. 5

JACOBÆA. (Senecio).

Hardy Annuals of the easiest culture, in the varieties of which are to be found purple, bronze, pink and white.

- Jacobeæa Elegans.** Mixed, 1 ft. 10
- **Dwarf Double.** Mixed, ½ ft. (See cut.) 10

KAULFUSSIA.

Desirable plants of dwarf habit and compact growth. *Hardy Annuals*.

- Kaulfussia Ameloides.** Bright blue, ½ ft. 5
- **Rosea.** Pink, mauve centre, ½ ft. 5

LANTANA.

The varieties of Lantana are almost numberless. The flowers are borne in Verbena-like heads, embracing every shade of pink, purple, orange and white. *Half-hardy Perennials*.

- Lantana Hybrida.** Mixed. 10

LARKSPUR.

(Annual Delphinium.)

A most desirable and beautiful genus, the prevailing hue of whose flowers is blue. *Hardy Annuals*.

- Larkspur, Dwarf Rocket.** Finest mixed double; 1 ft. (See cut.) 5
- **Tall Rocket.** Finest mixed, double; 2½ ft. 5
- **Emperor Larkspur.** For profuseness of blooming the Imperial Larkspur is unequalled, a single plant being seldom seen with less than 100 close, erect spikes of flowers upon it. It is of symmetrical, bushy habit, 1½ ft. 5
- **Emperor, Pure White.** (See Novelties, page 47.) 25
- **Consolida Candelabrum.** A new and very elegant dwarf variety; 1 ft. 5
- **Bismarck.** A new variety of great merit, mixed. 10
- **Double Stock Flowered.** "Lustrous carmine." Fiery or lustrous carmine. Bedded out it produces a most brilliant effect. 15

LATHYRUS. (Everlasting Pea).

Per Pkt.

Very ornamental, free-flowering plants, useful for covering trellises, old stumps, fences or walls; growing in any soil. *Hardy Perennials*.

- Lathyrus Latifolius.** Purple, 5 ft. 5
- **Albus.** White, 5 ft. 10
- Mixed.** Purple and white. 5

LAVENDULA. (Lavender).

Much prized for its fragrant violet flowers; succeeds best in a dry, gravelly soil. *Hardy Perennial*.

- Lavendula Spica.** Lilac, 2 ft. 5

LAVATERA.

Tall growing showy plants, very effective when used as a background to other plants. *Hardy Annuals*.

- Lavatera Trimestris.** Rose and pink striped; 3 ft. 5
- **Alba.** White; 3 ft. 5
- **Arborea Variegata.** A new variegated border plant of striking appearance. The dark green leaves are irregularly marked with greenish gray and pure white, and which give the plant a distinct and striking appearance. The plants in the early stages do not show much variegation, but it is most marked and beautiful later on. (See cut.) 50

LEPTOSIPHON.

A pretty little annual, of the easiest culture, and well suited for marginal lines in ribbon beds.

- Leptosiphon Aureus.** Golden yellow, ½ ft. 5
- **Densiflorus Albus.** Pure white; 1 ft. 5
- **Hybridus.** Fine mixed, ½ ft. 5
- **Roseus.** A beautiful variety, of dense habit. 5

LIMNANTHES.

A dwarf growing plant, attaining its best development in a moist and shady situation. *Hardy Annual*.

- Limnanthes Douglasii.** Yellow and white, fragrant, ½ ft. 5

LINARIA.

A particularly effective plant in rock work or ribbon lines. *Hardy Annuals*.

- Linaria Bipartita Alba.** White, ½ ft. 5
- **Splendida.** Deep purple, ½ ft. 5
- **Cymbalaria.** (Kenilworth Ivy.) A climber that is very much used for covering fences or unsightly objects. (See cut.) 15

LINUM.

(Flowering Flax.)

The garden varieties of this are conspicuous for their brilliant colors.

- Linum Flavum.** Yellow, 1 ft. *Hardy Perennial*. 10
- **Grandiflorum Coccineum.** Scarlet, 1 ft. *Hardy Annual*. 5

LOASA.

An excellent climbing plant, flowering very profusely all season. 6 ft.

- Loasa Herbertii.** Scarlet. *Half-hardy Perennial*. (See cut.) 10
- **Tricolor.** Shaded yellow. *Hardy Annual*. 10

LOBELIA.

Low growing plants, admirably adapted for the front lines of ribbon borders, and for vases or hanging baskets. *Half-hardy Annuals*.

- Lobelia Erinus Alba.** Pure white, ½ ft. 10
- **Erinus "Pearl."** Purest white, with a blue edge ... 10
- **Paxtoniana.** A beautiful variety, fine habit, profuse bloom of pure white, with sky-blue belt; a splendid bedding plant, ½ ft. 10
- **Speciosa.** One of the most effective varieties for bedding, ½ ft. 10
- **Crystal Palace Compacta.** Blue. The best bedding variety, ½ ft. 10
- **Gracilis.** Light blue, spreading habit, ½ ft. For baskets 10
- **Distinction.** Rose color. 10
- **Finest Mixed Erinus Varieties.** 10
- **Fulgens.** (Queen Victoria.) Brilliant scarlet fine border Perennial, 2 ft. 25

ALTON, ILL., July 18th, 1884.

Your First of All Peas were eight days earlier than the earliest I planted, and were the heaviest yielder of any.

J. S. BROWNE.

GLOXINIA.
See page 61.

GLOBE AMARANTH.
See page 61.

GOURDS.
See page 61.

HELICHRYSUM MONSTROSUM.
FL. PL.
See page 62.

HELIANTHUS CALIFORNICUS.
See page 62.

DOUBLE HOLLYHOCK.
See page 62.

HUMEA ELEGANS.
See page 62.

HYACINTHUS CANDICANS.
See page 62.

ICE PLANT.
See page 63.

JACOBEA.
See page 63.

DWARF ROCKET LARKSPUR.
See page 63.

LAVATERA ARBOREA
VARIEGATA.
See page 63.

KENILWORTH IVY.
LINARIA.
See page 63.

LOASA HERBERTI.
See page 63.

MARIGOLD—DWARF, GOLD
STRIPED.
See page 65.

MIGNONETTE, SPIRAL.
See page 65.

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LOBELIA.—Continued.

Per Pkt.
Lobelia Cardinalis. (Cardinal flower.) One of our finest native plants, perfectly hardy, growing to a height of four feet. The flower spikes, eight inches long, are of an intense vermilion scarlet.....10

LOPHOSPERMUM.

Exceedingly ornamental climbing plants, with large and handsome flowers; very effective for conservatory or garden decoration. *Half-hardy Annual.*
L. Hendersonii. Rosy carmine, 10 ft.....10

LUPINUS.

Desirable plants in every garden, bearing long and graceful spikes of the colors named below. *Hardy Annuals.*
Lupinus Affinis. Blue, white and purple, ½ ft..... 5
— **Cruikshankii.** Blue, white and yellow, 3 ft..... 5
— **Dunnettii.** Violet, brown and yellow, 3 ft..... 5
— **Hybridus Atrococcineus.** Scarlet and white, 2 ft.. 5
— **Tricolor Elegans.** White, lilac and purple, 2 ft.... 5
— **Mixed Annual Varieties.**..... 5
— **Polyphyllus.** Mixed blue and white. *Hardy Perennials*, 3 ft..... 5

LYCHNIS.

Very handsome and useful Perennials. *L. Chalcedonica* is strikingly effective in mixed flower and shrubbery borders. *L. Fulgens* is brilliant in the extreme. *L. Haageana* is a beautiful hybrid, varying in different shades.
Lychnis Chalcedonica. Scarlet, 2 ft..... 5
— **Fulgens.** Bright scarlet, 1 ft.....10
— **Haageana.** Bright orange scarlet, 1 ft.....10
— **Nana Hybrida.** Mixed.....10

MAGNOLIA GRANDIFLORA.

Flowers large, white and fragrant, the best variety that can be raised from seed of this beautiful class.....10

MALOPE.

Handsome plants of a branching habit, producing their large flowers in great profusion; very effective in mixed borders; succeed in common garden soil. *Hardy Annuals.*
M. Grandiflora Purpurea. Crimson..... 5

MATHIOLA.

M. Bicornis. An evening scented stock, growing over a foot high. During the day-time the blossoms of pink and lilac are partially closed and scent is slight and feeble; but toward evening it expands fully, remaining so during the night, emitting a delicious fragrance.10

MARIGOLD.

The African is the tallest and most striking in large beds, while the French varieties are admirably adapted for small beds, or as a foreground to taller plants. *Half-hardy Annuals.*

Marigold, African Quilled. Orange, brown and yellow, mixed, 2 ft..... 5
— **French Dwarf.** Orange, brown and yellow, mixed, 1 ft. 5
— **New French "Gold Striped."** The flowers rich scaroon, regularly striped with golden yellow; habit of plant dwarf and compact.....10

FOR POT MARIGOLDS SEE "CALENDULA."

MARVEL OF PERU.

(Four O'Clocks).

The flowers—red, white, yellow and variegated—grow in clusters on the summit of the stem. They are exceedingly fragrant, expanding in the evening and withering next morning. The roots may be preserved through winter like Dahlias.

Marvel of Peru. Finest mixed, 2 ft..... 5
— Variegated foliage.....10
— **Longifolia Alba.** Long flowered, pure white, fragrant.....10
— **New Perennial.** Will flower first season if sown early; large umbels, with dark lilac-red flowers.10
— **New Dwarf White.** Fully developed plants never more than 10 inches in height, completely studded with snow-white flowers.....10

MESEMBRYANTHEMUM.

Per Pkt.
Dwarf-growing plants of great beauty, well suited for edgings and covering rock work, producing their star-like flowers in great abundance the whole summer. *Half-hardy Annuals.*
Mesembryanthemum Tricolor. (Wax Pink.) Mixed colors, ½ ft..... 5
— **Crystallinum.** (Ice Plant.) Trailer..... 5

MATRICARIA (Feverfew.)

Matricaria Eximia, fl. pl. A fine double white Feverfew, with foliage curled like the finest double curled Parsley. The effect is said to be very fine.....25
— **Alba Plenissima.** The finest pure white double Feverfew.....15

MAURANDIA.

These beautiful summer climbers cannot be too highly recommended, whether for the adornment of the conservatory or green-house, or for training on trellis-work, verandas, etc. Blooms the first season from seed. *Half-hardy Perennials.*
Maurandia Barclayana. Rich violet, 10 ft.....10
— **Alba.** White, 10 ft.....10
— **Rosea.** Rosy pink, 10 ft.....10
— **Purpurea Grandiflora.** Purple, 10 ft.....10
— **Finest Mixed Colors.**.....10

MIGNONETTE.

Quite recently the varieties of this old favorite have been enriched by two sorts that have proved distinct and decided acquisitions. These are the Golden Queen and New Hybrid Spiral, which are an immense advance on previously existing sorts. *Hardy Annuals.*
Mignonette. (*Reseda Odorata.*) Large-flowered variety. Per ounce, 25 cents..... 5
— **Large-flowered Pyramidal.** (*Reseda Ameliorata.*) Quite distinct from the old large-flowered variety; its foliage and flowers are much larger; the plants are of pyramidal growth and attain a large size.....10
— **New Giant.** One of the best and most distinct of the large-flowering sorts; exceedingly free flowering and equally well adapted for house as well as out-door culture.....10
— **Parson's New White.** Flowers nearly white; a desirable variety.....10
— **New Hybrid Spiral.** Entirely distinct from any of the older varieties of Mignonette. It is a strong grower and a most abundant bloomer, producing flower spikes from 8 to 11 inches in length, deliciously fragrant. (*See cut.*).....15
— **The Prize.** This variety bears a very close, dense spike, entirely free from straggling blooms, fully twice the ordinary size, and as deliciously fragrant as any.. 10
— **Golden Queen.** (*See Novelties*).....15
— **"Machet."** The plants are dwarf and vigorous, of pyramidal growth, and furnished with very thick dark green leaves. They throw up numerous stout flower stalks terminated by long and broad spikes of deliciously scented red flowers. It is entirely distinct... 15
— **New Large White Upright.** (*See Novelties, p. 47.*)..15

MIMULUS.

(Monkey Flower.)

Comprises numerous varieties, with white, sulphur and yellow grounds, spotted crimson, scarlet and pink. They luxuriate in damp, shady situations, and bloom freely in the early summer months. *Half-hardy Perennials.*
Mimulus Cardinalis. Scarlet, 1 ft.....10
— **Moschatus.** (Musk Plant.) Yellow, ½ ft.....10
— **Tigrinus.** An exceedingly beautiful new blotched and spotted hybrid. Mixed.....10
— **Tigrinus, Flore Pleno.** A beautiful double-flowering variety; choice mixed colors.....25
— **Roseus Superbus.** The plant is of bushy habit, growing about 16 inches high, bearing a large abundance of rose colored flowers, the throat of which is yellow, spotted with red.....15
— **New Musk Scented.** Large yellow flowers, beautifully marked with dark crimson spots. The leaves have a very dark marking in the centre. It emits a strong musk scent and is very effective.....15

MIMOSA.

(Sensitive Plant.)

A very interesting and curious plant, its leaves closing if touched or shaken. *Half-hardy Annual.*
Mimosa Pudica. 1½ ft..... 5

MOMORDICA.*Per Pkt.*

Very curious trailing plants, with ornamental foliage and remarkable fruit. *Half-hardy Annuals.*

- Momordica Balsamina** (Balsam Apple). From East Indies, 10 ft. 5
 — **Charantia** (Balsam Pear). 10 ft. 5

MORNING GLORY.

Morning Glory. (See *Convolvulus*.) Finest mixed, 20 ft. 5

MUKIA.

A very pretty annual climber, with heart-shaped leaves and scarlet berries; very ornamental, and of rapid growth.

- Mukia Scabrella.** From New Holland, 10 ft. 10

MUSK PLANT. (See *Mimulus Moschatus*.)**MYRSIPHYLLUM** (*Smilax*).

There is no climbing plant in cultivation that surpasses this in the graceful beauty of its foliage.

- M. Asparagoides** 25

MYOSOTIS (*Forget-Me-Not*).

The different varieties of this popular plant are very beautiful, and too well known to need mentioning; they succeed best in moist situations. *Hardy Perennials.*

- Myosotis Palustris** (True). Blue, $\frac{1}{2}$ ft. 5
 — **Alba.** White, $\frac{1}{2}$ ft. 10
 — **Azorica Coelestina.** Flowers of rich turquoise blue; produced in the greatest abundance. 10
 — **Dissitiflora.** Earliest of all. Dark blue, very fine spring flowering variety; with large blossoms, quite distinct from any other, $\frac{1}{2}$ ft. 15
 — **Semperflorens.** A charming dwarf Forget-Me-Not, under eight inches in height, of free growth, thriving well either in sunny or shady spots. 15
 — **Elegantissima.** (See *Novelties*, p. 47.) 25

NASTURTium.

These will always be valuable summer flowering plants, for the reason that they stand any amount of heat and drought, growing vigorously and flowering freely, no matter how high the thermometer may record. They flower better, however, in a poor, rocky soil, as a rich one has a tendency to make them "run to leaf." The "Tom Thumb" varieties are splendid bedding sorts. *Hardy Annuals.*

- Nasturtium, Tom Thumb.** Scarlet, 1 ft. 5
 — **Yellow.** 1 ft. 5
 — **Pearl.** White. 5
 — **Empress of India.** (See *Novelties*, p. 47.) 25
 — **King of Tom Thumbs.** Crimson scarlet, 1 ft. 5
 — **Tom Thumb, King Theodore.** Foliage dark green; flowers almost black. 5
 — **Tom Thumb Mixed.** 5 ft. 5
 — **Tall Scarlet.** 10 ft. 5
 — **Orange.** 10 ft. 5
 — **Mixed.** 10 ft. 5

NELUMBIUM.

This beautiful yellow Water Lily should be grown in lakes or ponds.

- Nelumbium Luteum** 15

NEMOPHILA.
(*Love Grove*.)

This is one of the best dwarf Hardy Annuals, of very compact growth, comprising varied and beautiful colors; blooms freely all summer.

- Nemophila Discoidalis.** Black, with white margin, 1 ft. 5
 — **Insignis.** Bright blue, with white centre, 1 ft. 5
 — **Marginata.** Azure blue, edged with white. 5
 — **Maculata.** White, with large purple spots, 1 ft. 5
 — **Fine Mixed.** 5

NIEREMBERGIA.*Per Pkt.*

Very pretty, half-hardy plants for flower-beds, 1 ft.

- Nierembergia Frutescens.** Flowers white and blue, plants of a shrubby character. 10
 — **Gracilis.** An herbaceous variety of slender habit, with white and purple flowers. 10

NOLANA.

Very pretty trailing plants, with convolvulus-like flowers; excellent for rustic work or hanging baskets. Showy also for borders. $\frac{1}{2}$ ft. *Hardy Annuals.*

- Nolana Lanceolata.** Sky-blue, with white throat. 5
 — **Atriplicifolia.** Blue, violet, white, and yellow. 5

NYCTERINIA.

Sweet scented little plants, with large heads of star-shaped flowers, well suited for rock work or edgings; succeeds in light, rich soil. *Half-hardy Perennials.*

- Nycteria Capensis.** White, with yellow centre, $\frac{1}{2}$ ft. 5
 — **Selaginoides.** Pink, with yellow centre, $\frac{1}{2}$ ft. 5

NYMPHÆA (*Water Lily*.)

- Nymphæa Odorata.** This is the true white water lily, found growing in all sections of the country. 25
 — **Lutea.** The yellow water lily. 25

NIGELLA.

Curious and interesting free flowering plants of the easiest culture, growing in any garden soil. *Hardy Annuals.*

- Nigella Damascena Nana** (Devil in a Bush). Double blue and white, $\frac{1}{2}$ ft. 5
 — **Atropurpurea.** Clear rich purple, $1\frac{1}{2}$ ft. 5
 — **Hispanica** (Love in a Mist). 5

OXALIS.

Very attractive and beautiful plants, with richly colored flowers, suitable for green-house decoration, or for rock work and rustic baskets. *Half-hardy Perennials.*

- Oxalis Rosea.** A neat, erect growing plant, with bright rose-colored flowers, $\frac{1}{2}$ ft. 10
 — **Tropæoloides.** Deep yellow, brown leaves, $\frac{1}{2}$ ft. 10
 — **Valdiviana.** A very showy and compact growing variety; flowers bright yellow, and sweet scented. 10

ŒNOTHERA (*Evening Primrose*).
(*Sun Drops*.)

A very beautiful, free growing and useful class of plants, flowering generally in long spikes.

- Œnothera Bistorta Veitchii.** Yellow, with crimson spots. *Half-hardy Annual.* 10
 — **Drummondii.** Yellow. *Half-hardy Annuals*, 2 ft. 10
 — **Lamarckiana.** Bright yellow flowers, 3 to 4 inches in diameter, and produced in great profusion. *Hardy Perennial*, 3 ft. 10
 — **Macrocarpa.** Primrose. Large blooms. *Hardy Perennial*, $\frac{1}{2}$ ft. 10
 — **Fine Mixed Varieties.** 5

PALAVA.

A beautiful annual, growing to a height of 18 inches, and flowering abundantly. Equally valuable for green-house or garden.

- Palava Flexuosa.** Flowers bright pink; base of sepals almost black. 5

PARDANTHUS.

A handsome bardy herbaceous plant, with lily-like orange colored flowers, spotted with purple. The seed pods resemble a blackberry, and as they do not drop for a long time after the branches have been cut, they are very pretty mixed in with dried grasses for winter bouquets.

- P. Sinensis** (Blackberry Lily). 10

Mr. Peter Henderson has had a life-long experience as a horticulturist, and has written, in clear and concise language, a number of treatises, giving full information on gardening, floriculture, and plants. His latest work, "Garden and Farm Topics," is a VADE MECUM, giving special information in a condensed form on the subjects covered by the title.—SPIRIT OF THE TIMES.

PENTSTEMON.

This beautiful class is in continuous bloom from the time they are planted out in May until frost. In shape the flowers somewhat resemble the Gloxinia, and are shaded and mottled in white, blue, crimson, scarlet and pink.
Half-hardy Perennial.

Pentstemon.	Fine mixed, 2 ft.....	10
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PERILLA.

Having black purple-colored foliage, this ornamental plant makes a fine contrast with any of the light or silver-leaved plants usually used for lawn groups or ribbon-line gardening. *Half-hardy Annual.*

Perilla Nankinensis. 1½ ft..... 5
— **Laciniatis.** Cut-leaved variety..... 10

PANSY. (*Viola Tricolor Maxima.*)

New Fancy. It is now several years since we first offered this strain of Pansy; and we have had hundreds of letters testifying to its beauty and variety. To those who have not purchased we would say that the flowers present almost every conceivable shade of color, with markings exceedingly odd and varied. We give below a short description of each number; occasionally they may vary a little, but as a rule, they will be found to come true to description.

- come true to description:
- No. 1. Rich golden yellow, with large maroon eye.
 - No. 2. An intense pink, with small white eye.
 - No. 3. Of a deep orange shade, with dark centre.
 - No. 4. A very striking variety; a white ground beautifully and regularly marked with light purple, sometimes bordering on pink; yellow eye.
 - No. 5. A rich light brown variety, with black centre, and clearly defined light yellow eye.
 - No. 6. Upper petals porcelain-blue, fringed with white; the lower curiously mottled and marbled with pink, chocolate and yellow. Exceedingly beautiful.
 - No. 7. Light canary yellow, with lavender centre.
 - No. 8. A rich velvety black, with very small yellow eye.
 - No. 9. Flower is of a deep chocolate shade, oddly streaked toward the centre with veins of white, yellow and black.
 - No. 10. The lower portion of the blooms of this are bright yellow, splashed with crimson, while the upper petals are of a bright purple hnc.
 - No. 11. Is a light lavender-blue Pansy, with very small eye. One of the prettiest of the collection.
 - No. 12. Golden yellow ground, upper petals slightly touched with crimson, large purple centre, while the lower part of the flower is very prettily marked with a deep band of rose.

In ordering, please designate by number the variety desired.

Buyer's selection of any single packet (by number).....	20
" " " six packets "	1 00

Or the entire collection of twelve packets, described as above.....	1 50
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Besides the Fancy Pansy alluded to above, we offer the following classes, which have been saved from the best and most distinct varieties :

Pansy, Henderson's Premier. (See Novelties) 50

Pansy, Henderson's Premier. (See Novelties)	50
Trimardeau. (See Novelties, page 47).....	50
Odier, or Five Blotched. A beautiful strain, perfect in size and form of flower, as well as in beauty and variety of color.....	50
Emperor William. Ultramarine blue, with well defined eye of purple violet.....	15
Snow Queen. Pure satiny white, fine.....	25
White Treasure. Fine pure white.....	15
Faust, or King of the Blacks. Flowers intensely black.....	15
Mahogany Colored	15
Azure Blue	15
Lord Beaconsfield. Violet shading to white on upper petals.....	15
Gold Margined	15
Yellow. Pure golden.....	15
Good Mixed	10
English. Very fine mixed.....	25
Extra Choice. From a superb collection.....	50

PETUNIAS.

For outdoor decoration in summer scarcely any plant equals this.

Petunia Hybrida. Finest striped and blotched varieties mixed	25
---	----

Petunia Hybrida, New Dwarf Inimitable. *Per Pkt.* It forms a compact plant from 5 to 8 inches high by as much in diameter, and thickly covered with cherry-red flowers, each of which is marked by a white star. This Petunia will be very effective for massing, and admirably adapted for pot culture25

—	—	New Dwarf Double Inimitable. This is a double form of that quite recent species, Nana Compacta, and produces double flowers of the same shades of color that characterized the single species.	75
—	—	Countess of Ellsmere. Pink, white throat.	10
—	—	Pure White	10
—	—	Fine Mixed	10

NEW FANCY HYBRID.

An entirely distinct strain from the ordinary *Petunia*. The flowers are of immense size, and exquisite colors, shades and markings. The double and single *Fimbriata* sorts have beautifully fringed petals. The double and single *Marginata* sorts are bordered with green on each petal, making them very attractive.

It is, perhaps, not generally understood that the seeds of double Petunias are only obtained by artificially fecundating single blooms with the pollen from the double, making the seed necessarily high priced, and the progeny cannot be expected to all come double. The finest double Petunias are always grown from seeds; when propagated by cuttings they degenerate.

SINGLE SPECIES.

Petunia	Hybrida	Grandiflora	Alba.	Large, pure	
—	white.....				50
—	Fimbriata.	Beautifully fringed, all shades.			50
—	Kermesina.	Crimson, with white throat			50
—	Marginata.	Mixed colors, margined edge.			50
—	Prince of Wurtemberg.	Rosy pink.....			25
—	Princess of Wurtemberg.	Purple.....			25
—	Purpurea.	Fine deep purple.....			50
—	Delicata.	(See Novelties, page 48).....			50
—	Yellow Throated.	(See Novelties, page 48).....			75
—	New Fancy Hybrid.	(Single, mixed).....			50

DOUBLE SPECIES.

—	—	Marginata , fl. pl. Green edged. Mixed...	75
—	—	Fimbriata , fl. pl. Double fringed, large	
—	—	flowering, comprising all shades of color.....	75
—	—	New Fancy Hybrid . (Double, mixed).....	75

PHASEOLUS MULTIFLORUS.

(Scarlet Runners.)

Valuable alike as an ornamental climbing plant and a vegetable. It grows to a height of ten feet, producing dazzling scarlet flowers	10
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PINK, CHINA, and other varieties. (See *Dianthus*.)

PLATYCODON.

Platycodon Grandiflora. A hardy herbaceous perennial, native of China, with large white sancer-shaped flowers. In the Northern States it should have a slight protection in winter10

POLYANTHUS.

Flowering plants, blooming in early spring; adapted for pot culture or outside beds. 1 ft. *Hardy Perennials*.

Polyanthus.	Choice mixed, from best laced flowers.....	25
— Gold Laced.	Mixed colors.....	25
— Duplex (Hose in Hose.)	Mixed colors.....	25
— Dark Varieties Mixed.		25
— Mixed Border Varieties		10

POTENTILLA.

Handsome flowering herbaceous plants, exceedingly useful and ornamental in mixed flower borders, lasting a long time in bloom. *Hardy Perennials.*

Potentilla. Finest mixed, 1½ ft.....	10
— Double Flowering. Finest mixed, 1½ ft.....	25

The Hale Mole Trap that I got of you last year is perfect. I would not be without it for twice its cost.

CHAS. LAST.

PHLOX.

Per Pkt.

Phlox Drummondii, to which section nearly all the following classes and varieties belong, is one of the very finest of annual plants, and stands almost unrivaled for profusion and duration of bloom and richness of color. The "Grandiflora," or large-flowering varieties, are a great improvement over the older sorts, the flowers being half as large again, and as freely produced. Graf-Gero and Nana Compacta classes are especially fine, their habit of growth being dwarf and compact and one mass of bloom. Both these sections have recently been largely grown in pots by florists for market purposes with great success.

Phlox Drummondii Alba. Pure white.....	10
— Alba Rosea Striata Fimbriata. Fringed and striped white and rose.....	10
— Atropurpurea Striata. Beautifully striped.....	10
— Black Warrior. Dark purple.....	10
— Coccinea. Deep scarlet.....	10
— Isabellina. Pale yellow.....	10
— Leopoldii. Bright rose, white eye.....	10
— Oculata. White, with purple eye.....	10
— Princess Royal. Light purple, with white streaks.....	10
— Queen Victoria. Violet, white eye.....	10
— Radowitzii. Rose purple, white eye.....	10
— Rosea. Pure rose color.....	10
— Finest Mixed Varieties.	5
— Decussata. Perennial mixed, saved from named varieties.....	10

NEW LARGE FLOWERING PHLOX. (P. Drummondii Grandiflora.)

A great improvement on the older Phloxes, the flowers being much larger—equaling the perennial sorts in size.

Grandiflora Alba. White.....	15
— Atropurpurea. Rich maroon, with white eye.....	15
— Chamois Rose. Chamois rose, with white eye.....	15
— Coccinea. Brilliant scarlet.....	15
— Splendens. Vivid crimson, with white eye, the centre of which is encircled with a clearly defined violet edge.....	15
— Quadricolor Marmorata. Marbled.....	15
— Mixed.	10

NEW DWARF PHLOX DRUMMONDII. (P. Drummondii Nana Compacta.)

A distinct section, distinguished by its dwarf habit and compact growth. $\frac{3}{4}$ ft.

— Nana Compacta Coccinea. Deep scarlet, white eye.....	15
— Red. A bright shade.....	15
— Chamois Rose. Pure salmon rose.....	15
— Fireball. Bright dazzling scarlet.....	15
— Snowball. Pure white.....	15
— Mixed.	15

NEW PHLOX DRUMMONDII (Graf-Gero.)

A new strain of fine compact growth and very fine for pot culture.

P. Graf-Gero Alba. Pure white.....	25
— Rosea. Bright rose.....	25
— Violacea. Violet.....	25
— Marmorata. Marbled.....	25
— Mixed.	25

POPPY.

Plants with large and brilliantly colored flowers, always making a showy display in the garden. *Hardy Annuals.*

Poppy, Carnation-Flowered. Double, mixed. 2 ft. 5	
— French. (<i>Papaver Rhæas</i> .) Ranunculus flowered, double mixed, 2 ft.	5
— Danebrog. Brilliant scarlet, each of the four petals being stamped with an ivory white spot, forming a white cross, on scarlet ground, somewhat resembling the Danish and Swiss National Banners.....	10
— Umbrosum. This makes a gorgeous display in the garden; its flowers are a rich vermilion, with a shining black spot on each petal.....	10
— Bracteatum. Very large orange-scarlet flowers, averaging five inches in diameter. Perennial variety.....	10
— Orientele. A perennial variety, bright scarlet.....	10

Poppy, English Scarlet. One of the commonest plants in Great Britain, being found growing wild there in field after field, and which produces the most gorgeous effect that can be imagined with its dazzling scarlet blooms..... 5

PORTULACA.

Beautiful and popular Hardy Annuals, of the easiest culture, luxuriating in an exposed sunny situation, and producing throughout the summer their flowers of almost every hue in the greatest profusion. The double Portulaca is one of the finest annuals in cultivation. $\frac{1}{2}$ ft.

Portulaca Bedmani. A fine variety. Flowers large, pure white, with a reddish-purple eye.....	5
— Golden Striped. Flowers of a light straw color, with golden or orange stripes.....	5
— Alba. Clear white.....	5
— Red and White. Striped.....	5
— Splendens. Rich purple.....	5
— New Pink. The flowers nearly twice the size of the old variety, of a delicate pink shade.....	5
— New Salmon. A new and strikingly odd color in this well known annual.....	5
— Splendid Mixed, Single. All colors.....	5
— Grandiflora, Double. Finest mixed. These are unsurpassed for brilliancy of color by any annual grown. Our Double Portulaca is saved from the finest double flowers only, the plants of which are grown from cuttings, and we believe will produce a larger percentage of double flowers than any other strain offered.....	15

PRIMULA (Chinese Primrose.)

Our Primulas are from the finest existing strains. In the Fimbriata sorts the flowers are beautifully fringed, as are the Filicifolia class also, but the latter have added beauty in their Fern-like foliage. Following the English practice, it is usually advised to sow Primula seeds in July and August; but in our hot, dry climate it is very difficult to have them germinate at that season; so, in our own experience, we have found that the best time to sow is in February, March or April. Then sown, the seed germinates freely, and fine plants can be had for winter flowering. The great perfection to which Primulas have been brought renders them in attractiveness and value scarcely equaled by any class of plants. $\frac{3}{4}$ ft.

Primula Sinensis Fimbriata. Very choice mixed, from prize flowers.....	50
— Alba. Pure white.....	50
— Rubra. Red, very fine.....	50
— Striata. Striped with red.....	50
— Kermesina Splendens. Bright carmine with distinct yellow eye.....	50
— Coccinea. The flowers are of the largest size, and are of a beautiful brilliant scarlet, with a clear sulphur eye, exquisitely fringed, and of great substance.....	75
— Alba Magnifica. This new white Primula is of exquisite form and substance, and a great improvement on the old varieties; the habit of the plant is exceedingly compact, with deeply indented leaves of a light green color; the flowers measure $2\frac{1}{4}$ inches in diameter, are pure white, with a large bright yellow eye, each petal being deeply and beautifully fringed; they are borne in large trusses well above the foliage.....	75
— Punctata Elegantissima. Flowers deep velvety crimson, strongly fringed, and regularly marked at the borders with small snow-white spots.....	75
— Cristata Nana. The plant is of dwarf and dense habit with small foliage. The flowers are snow-white, with a pale yellow eye, are dentated, and show a tendency to become double.....	75
— Globosa Rubra. Exceedingly compact in habit, with very large fringed red flowers, entirely distinct.....	50
— Alba. Identical to the above, excepting the color, which is pure snow white.....	50
— Alba Plena. Double white.....	1 00
— Rubra Plena. Double red.....	1 00
— Double Mixed. Red and white.....	1 00

The double varieties produce a large percentage of double flowers, and are superb.

— Filicifolia Alba. White fern-leaved, very beautiful.....	50
— Rubra. Red, fern-leaved.....	50
— Filicifolia Mixed.	50
We also this season offer cheaper seed of single Primula as below, the flowers of which are not fringed:	
Primula Sinensis Alba. White.....	25
— Rubra. Red.....	25
— Mixed.	25

SCRANTON, PA., August 13th, 1884.

The "Premier" Pansy Seeds I received from you in early spring have done grandly, and are now a perfect wonder to those who see them.
MRS. M. D. OSTERHOUT.

PYRETHRUM. (Feverfew.)

Per Pkt.

- Pyrethrum Hybridum fl. pl.** New varieties of this beautiful hardy, herbaceous plant, saved from double flowers only, 1½ ft. 25
- **Roseum.** The flowers of this and its varieties are gathered, dried and pulverized, and form the true "Persian Insect Powder" so much in demand. 10
- **Cinerariafolium.** (Dalmatian Insect Powder Plant) 10
- **Parthenifolium Aureum.** (Golden Feather.) Bright golden foliage. One of the best bedding plants, 1 ft. 10
- **Laciniatum.** A variety of "Golden Feather," the foliage distinctly cut and fringed. 10
- **Golden Gem.** The color of the foliage is a brighter yellow than that of the old "Golden Feather," itself one of the best bedding plants grown, double white flowers, 1 ft. 10
- **Aureum Selaginoides.** The flat golden foliage resembles two fronds of some species of Ferns, overlying each other, and this peculiarity, with its dwarf and compact habit, gives it great interest and beauty. 15
- **Double White Feverfew.** (See *Matricaria*). 15

RHODANTHE.

- Belongs to what is known as "Everlasting flowers," and is invaluable for winter bouquets; but it has also added interest and value from the fact of its being equally desirable when grown as a pot plant in green-house or parlor, or when planted out for garden decoration, 1 ft. *Half-hardy Annuals.*
- **Rhodanthe Atrorubra.** Dark purplish crimson, very brilliant. 10
- **Maculata.** Bright rosy crimson, with yellow disc. 10
- **Alba.** Pure silvery white, very beautiful. 10

RICINUS. (Castor Oil Bean).

Tall-growing plants of tropical origin, and whose luxuriant foliage renders them exceedingly ornamental and desirable. *Half-hardy Annuals.*

- **Ricinus Borboniensis Arboreus.** Very large and handsome foliage, 15 ft. 5
- **Giganteus.** Leaves of immense size, 12 ft. 5
- **Gibsonii.** Dark red foliage. 5
- **Obermanii.** (*Sanguineus*.) Red fruit, splendid ornamental plant, 8 ft. 5
- **Tricolor.** Three-colored, very beautiful, 7 ft. 5
- **Mixed Varieties.** 5

ROCKET. (Dame's Violet).

- Well known, very fragrant, early spring-flowering plants, growing and blooming freely. *Hardy Perennials.*
- **Rocket, Sweet Purple.** 1½ ft. 5
- **White.** 1½ ft. 5
- **Mixed.** 1½ ft. 5

SALPIGLOSSIS.

Remarkably beautiful autumn-blooming plants, with funnel-shaped flowers, curiously veined and marbled. *Half-hardy Annuals.*

- **Salpiglossis Azurea Grandiflora.** Sky-blue, 1½ ft. 10
- **Coccinea Grandiflora.** Scarlet, 1½ ft. 10
- **Large-flowered.** Finest mixed, 1½ ft. 10

SALVIA. (Flowering Sage).

- With its spikes of scarlet and blue, the *Salvia* makes one of the most gorgeous plants in the garden. *S. Patens* (blue) and *S. Splendens* (red) are perhaps the best representatives of these two primary colors to be found in the whole range of flowering plants. *Half-hardy Perennials.*
- **Salvia Patens.** Splendid deep blue, 3 ft. 25
- **Splendens.** (*Scarlet Sage*.) Vivid scarlet, 3 ft. 10
- **Carduacea.** Grows about 2½ ft. high, producing beautiful light blue flowers. 15
- **Blue Beard.** (See *Novelties*, page 48.) 50

SANVITALIA.

- Dwarf-growing, free-flowering plants very suitable for small beds or rock work. *Hardy Annuals.*
- **Sanvitalia Procumbens Fl. Pleno.** Flowers densely double, bright golden yellow, and produced in the greatest abundance, ½ ft. 10

SAPONARIA. (Bouncing Bet).

Per Pkt.

- An extremely beautiful class of compact growing plants, producing masses of minute cross-shaped rose and white flowers, which continue blooming all summer. *Hardy Annuals.*
- **Saponaria Calabrica.** Rich deep pink, ½ ft. 5
- **Alba.** Pure white, ½ ft. 5

SCABIOSA.

(Mourning Bride, or Sweet Scabious).

- A beautiful border plant, producing in profusion flowers in great variety of colors; excellent for cutting for table bouquets, etc. *Hardy Annuals.*
- **Scabiosa Nana Fl. Pleno.** The flowers are quite double and globular, varying in all the shades of white, carmine, maroon, lilac, etc.; a most valuable flower to use in bouquets or vases of cut flowers, 1 ft. 5
- **Tall German.** Mixed, 2 ft. 5

SCHIZANTHUS.

- A splendid class of plants, combining elegance of growth with a rich profusion of beautiful flowers, valuable for green-house decoration in spring, and the flower garden in summer. 1½ ft. *Half-hardy Annual.*
- **S. Papilionaceus.** (Butterfly Flower.) A charming variety, the flowers resembling some varieties of Orchids. 10
- **Pinnatus Roseus.** (See *Novelties*, page 48.) 25
- **All Colors.** Mixed. 5

SCYPHANTHUS.

- **Scyphanthus Elegans.** A dwarf, free-flowering, half-hardy evergreen trailing plant; yellow, 2 ft. 10

SEDUM. (Stonecrop).

- A very interesting and useful little plant, growing freely on rock or rustic work, ornamental mounds, old walls, etc. *Hardy Annual.*
- **Sedum Cæruleum.** Blue, ¼ ft. 10

SENECIO SPECIOSUS.

- A new and very free-flowering half-hardy perennial from South Africa. It produces in the open ground bright magenta-colored flowers from spring until fall, and can be had in bloom in the green-house throughout the winter. The flowers are about an inch and a half in diameter, and borne in branching spikes. 15

SENSITIVE PLANT. (See Mimosa Pudica).

SILENE.

- A beautiful genus of free-flowering plants, with bright, attractive flowers, admirably adapted for spring and summer blooming in beds, rock work, etc.
- **Silene Pendula Compacta.** Plant dwarf and compact, forming dense cushions two or three inches in height, and from 9 to 12 inches in diameter, which during the season are perfectly solid with bloom. 5
- **Carnea Fl. Pl.** Producing beautiful double flowers of a delicate pink. Will be found well adapted for edgings of flower beds and useful in all cut flower work. 10

SESBANIA GRANDIFLORA.

- **S. Grandiflora** (See *Novelties*, page 48.) 75

SMILAX. (See Myrsiphyllum Asparagoides).

SNAKE CUCUMBER. (See Cucumis Flexuosus).

SOLANUM.

Per Pkt.

A genus of ornamental fruit-bearing plants, some of them among the most interesting of green-house shrubs, while others are remarkable for their fine foliage, and are most useful for groups on lawns, or as single specimens.

- Solanum Capsicastrum**, or "Jerusalem Cherry." Miniature orange tree, covered all winter with a profusion of scarlet fruit. A very interesting plant for the decoration of the green-house or sitting-room. *Half-hardy Annual*. 1½ ft.10
- **Hendersonii**. Pear-shaped scarlet fruit.10
- **Warscewiczii**. A magnificent plant, with immense leaves of a deep green color. It attains an average height of six or eight feet, and when planted in masses produces a grand effect.10

SPHENOGYNE.

A bright yellow, free-flowering border plant, from South America; useful for beds, ribbon borders, or edgings.

- Sphenogyne Speciosa**. *Hardy Annual*. 1 ft. 5

STATICE.

Exceedingly interesting plants of easy culture. They are all very free-flowering, and remain a long time in bloom, the flowers being valuable for winter bouquets.

- Statice Bonduelli**. Deep golden yellow. *Half-hardy Perennial*. 1½ ft.10
- **Spicata**. Forms a beautiful bouquet of rosy pink flowers. *Annual*.10
- **Incana Hybrida**. Fine mixed. *Perennial*.10
- **Suworowi**. (See Novelties, page 49.)25

STOCKS (German Ten Weeks.)

(Gilliflower.)

Ten Weeks Stocks comprise those varieties which, being sown in spring, flower during the summer and fall. The Pyramidal probably produce more double flowers than any other sort, and its dwarf habit renders it unequalled for bedding-out work. The Wallflower-leaved have glossy foliage distinct from any other class. If the Intermediate Stocks are sown at the same time as the Ten Weeks, they will succeed them in bloom, so that the "time of the Stocks" can be greatly prolonged. All the seed we offer is carefully saved from pot-grown plants. ½ to 1 ft. *Half-hardy Annuals*.

- Stock, Dwarf German Ten Weeks**. Fine mixed. 5
- — — **Large Flowering**. Choice mixed.10
- — — **Pure White**.15
- — — **Purple**.15
- — — **Scarlet Victoria**. New and fine.15
- — — **Wallflower-Leaved**. Pure white, very fine.15
- — — **Purple**.15
- — — **Crimson**.15
- — — **Finest Mixed**.15
- **New Large-Flowered Dwarf Pyramidal**. The most popular stock in cultivation; very finest mixed.15
- **New Giant Perfection**. (See Novelties).15

INTERMEDIATE.

The intermediate Stocks are valuable on account of their flowering late in the fall, also as pot plants for early spring blooming, for which purpose the seeds should be sown in July or August. 1½ ft.

- Stock, Intermediate, Scarlet**.10
- — — **White**.10
- — — **Purple**.10
- — — **Mixed**.10

BROMPTON AND EMPEROR.

The Emperor, or Perpetual Flower, may be treated in the same manner as the Intermediate Stock; they frequently last several years, if protected from the frost. The Brompton is a biennial of branching habit, producing a grand display when in bloom. 2 ft.

- Stock, Emperor, or Perpetual**. Finest mixed.10
- **Brompton, or Winter**. Finest mixed.10

COLLECTIONS OF STOCKS AS IMPORTED.

- Large-Flowered Dwarf German Ten Weeks**. In six separate colors.50
- — — — — In twelve separate colors.1 00
- Brompton, or Winter Flowering**. In twelve separate colors.1 00

SWEET PEAS.

Per Pkt.

Very beautiful, fragrant and free-flowering climbing plants, continuing in bloom all summer; supported by common pea sticks they form admirable screens for protecting more tender plants or excluding unsightly objects; valuable for trailing on trellis-work, covering rough fences, etc.; 6 ft. *Hardy Annuals*.

- Sweet Pea, Scarlet Invincible**. Remarkably fragrant, with bright scarlet crimson flowers; an unusually prolific bloomer. 5
- — — **Striped**. 5
- — — **Painted Lady**. 5
- — — **Purple**. 5
- — — **White**. 5
- — — **Fairy Queen**. 5
- — — **Butterfly**. Pure white ground, delicately laced with lavender blue.10
- — — **Adonis**. (See Novelties, page 48).25
- — — **Mixed**. All colors; per oz., 15c.; per lb., \$1.00. 5

SWEET SULTAN.

Showy Annuals of easy culture, very effective in shrubby borders. *Hardy Annuals*.

- Sweet Sultan, Purple**. 2 ft. 5
- — — **White**. 2 ft. 5
- — — **Yellow**. 2 ft. 5
- — — **Mixed**. 5

SWEET WILLIAM (Dianthus Barbatus.)

A very beautiful class of plants, of extreme richness and diversity of color. The varieties have been greatly improved of late years; 1½ ft. *Hardy Perennials*.

- Sweet William**. Fine mixed. 5
- — — **Auricula-Flowered**. Flowers in trusses of immense size and of exceedingly beautiful colors.10
- — — **Double-Flowering**. Finest mixed, from a splendid collection of double flowers.10

TACSONIA.

(Passion Flower.)

Tacsonia Von Volzemi. This beautiful climber was found in New Grenada. It is a plant that flowers most abundantly, and for almost the whole year; the flowers individually are about five inches in diameter, and of the richest scarlet. *Half-hardy Climber*.25

TAGETES.

Tagetes Signata Pumila. A beautiful delicate fern-leaved plant, forming a compact globular bush, and covered with bright yellow blossoms, with a reddish brown stripe through the centre of each petal. *Half-hardy Annual*. 1 ft.10

TRITOMA.

(Red-hot Poker Plant.)

Tritoma Uvaria Grandiflora. A most interesting plant that ought to be in every garden. The flower-stalk grows to the height of three feet; the flower-spike is about one foot in length, of colors varying from yellow to deep scarlet, giving it somewhat the appearance of a heated bar of iron; hence it is vulgarly called "Red-hot Poker Plant." It continues in bloom from July to October. Grown either singly or in masses it produces a striking effect.25

THUNBERGIA.

Extremely ornamental free-blooming climbers of rapid growth, handsome foliage and much admired flowers; good for green-house culture or in warm situations out-of-doors.

- Thunbergia Alata**. Buff, with white eye, 4 ft. 5
- **Alba**. White, with dark eye, 4 ft. 5
- **Aurantiaea**. Bright orange, dark eye, 3 ft. 5
- **Bakerii**. Pure white, 4 ft. 5
- **Mixed Varieties**. 5

TRICHOSANTHES.

Very curious plants, with long, elegant serpent-like fruit, exceedingly ornamental. *Half-hardy Annuals*.

- Trichosanthes Coccinea**. A charming climber with small oval green and white marbled fruit, changing to scarlet.10
- **Colubrina**. Serpent gourd, brilliant carmine fruit, 5 to 6 ft. in length.10

TORENIA.

Per Pkt.

- Torenia Fournierii.** The Torenias are among the prettiest summer plants for vases or hanging baskets. The flower is sky-blue, dotted with three dark blue spots, has a bright yellow throat, and is an exceedingly free bloomer.....25
- **Bailionii.** A newer free-flowering sort, bearing golden-yellow flowers that have a brownish-red throat. Entirely distinct from any of the other known sorts.....25

TROPÆOLUM.

Very elegant and beautiful climbers, flowering most profusely; admirably adapted for green-house or conservatory decoration, especially during the winter months; very useful for covering verandas, trellis and rustic work out-of-doors. *Half-hardy Annuals.*

- Tropæolum Lobbianum.** Brilliant mixed varieties, 6 ft. 10
- **Spitfire.** Fiery red 10
- **Brilliant.** Fine scarlet 10
- **Geant des Batailles.** Brilliant carmine 10
- **Triomphe de Gand.** Orange scarlet, 4 ft. 10
- **Peregrinum.** (See Canary Bird Vine).....10

TUNICA.

- Tunica Saxifraga.** A very pretty hardy perennial, with rosy lilac flowers, useful for edging, dwarf beds, or rock work, ½ ft.10

VALERIAN.

Very showy border plants; will grow in almost any soil. *Half-hardy Perennials.*

- Valerian, Red.** 1½ ft. 5
- **White.** 1½ ft. 5
- **Mixed.** 1½ ft. 5

VERBENA.

Well known and universally admired plants; invaluable for summer decoration. Blooming freely the first year from seed. *Half-hardy Perennials.*

- Verbena Hybrida.** Saved from Peter Henderson's splendid collection of the best named varieties. Great care has been taken that this seed should be saved from such as are really good bedding kinds and of attractive colors. Mixed.....25
- **Scarlet**25
- **White**25
- **Striped**25
- **Coccinea Foliis Aureis.** (See Novelties, page 48)....25
- **Mixed**10

VERONICA.

Very ornamental herbaceous plants. *V. Syriaca*, if sown early, forms an extremely pretty edging for small beds.

- Veronica Glauca.** Blue, 2 ft. *Hardy Perennial*.... 10
- **Syriaca.** Bright, blue and white. *Half-hardy Annual*..10

VINCA.

(Madagascar Periwinkle.)

A genus of beautiful green-house plants which require at all times a high temperature.

- Vinca Rosea.** Rose, with dark eye, 2 ft.10
- **Alba.** White, with crimson eye, 2 ft.10
- **Pura.** Pure white, exquisite.....10

VIOLA.

(Violet.)

A great favorite, deservedly much in demand on account of its profusion of bloom and delightful fragrance. *Hardy Perennial.*

- Viola Odorata.** (Sweet Violet.) ½ ft.10

VIRGINIAN STOCK.

Extremely beautiful free-flowering little plants for beds, baskets or edgings, growing freely in any soil. *Hardy Annuals.*

- Virginian Stock.** Red and white mixed; ¼ ft.10

VISCARIA.

(Rock Lychnis.)

*Per Pkt.**Hardy*

Remarkably free-flowering plants, of brilliant colors. *Annuals.*

- Viscaria Cardinalis.** An exceedingly showy variety, producing a profusion of magenta blossoms; 1 ft. 5
- **Oculata.** Pink, with rich crimson eye; 1 ft. 5
- **Picta.** White, with crimson eye, free flowering... 5

WALLFLOWER.

A well known plant, much esteemed for its fragrance. *Half-hardy Perennial.*

- Wallflower, Double.** Finest mixed, 2 ft.10
- **Single Mixed.** 2½ ft. 5

WHITLAVIA.

Charming Hardy Annuals, with beautiful bell-shaped flowers, growing freely in any soil.

- Whitlavia Grandiflora.** Violet blue, 1 ft. 5
- **Gloxinoides.** An elegant variety, with beautiful gloxinia-like flowers; corolla pure white, with delicate blue lips. 1 ft. 5

WIGANDIA.

Splendid ornamental foliaged plants, with immense leaves, 3 ft. long by 1½ ft. wide.

- Wigandia Caracasana.** 6 ft.25
- **Vigieri.** Superb foliage.....25

WISTARIA.

- Wistaria Sinensis.** Hardy climbing plants, with large purple flowers10

XERANTHEMUM.

A showy class of Everlastings; the flowers, when gathered young, are useful for winter bouquets. *Hardy Annuals.*

- Xeranthemum, Double White.** 2 ft.10
- **Double Purple.** 2 ft.10
- **Annum Superbissimum.** Red flowers; the finest form of Xeranthemum yet obtained.....15
- **Fl. Albo.** The flowers of this new variety are white, equally as double, and of the same globular form as those of the red variety offered above.....15

ZINNIA ELEGANS.

(Youth and Old Age.)

Few plants have improved as much as the Zinnia, and we have now dazzling scarlet, yellow, orange, rose, lilac, crimson and white, rivaling the Dahlia in symmetry. *Half-hardy Annuals.*

- Zinnia Elegans, fl. pl.** Extra choice, double mixed, ½ ft. 5
- **Alba, fl. pl.** White, 1½ ft.10
- **Coccinea, fl. pl.** Scarlet10
- **Striata, fl. pl.** Double striped.....10
- **Haageana, fl. pl.** The flower is of a deep orange yellow color, keeping its color when dried10

LARGE FLOWERING DWARF ZINNIAS.

A new dwarf section, quite distinct from the above. The flowers are as large or larger than the old class, and of much better shape, resembling Dahlias in form, and the habit of growth is compact and dwarf—rarely growing over 2 feet high. Distinct sorts, as follows:

- Zinnia Elegans Pumila Alba Plena.** White15
- **Salmonea.** Salmon15
- **Coccinea.** Scarlet.... 15
- **Violacea.** Purplish red.....15
- **Mixed**10

NEW POMPONE ZINNIAS.

See Novelties, page 49.....25

NEW SEEDLING STRAWBERRY, THE "HENDERSON."

THIS NEW STRAWBERRY originated with Mr. George Seymour, of South Norwalk, Conn., who named it in honor of our senior partner, and who also places the variety exclusively with us for distribution. Last summer was the first time that it was ever offered for sale. It is doubtful if there is another Strawberry in cultivation, having such a combination of good qualities, as the "*Henderson*." The fruit is of the largest size, early and immensely productive, *but its excelling merit, is its exquisite flavor.* It was exhibited for the first time at the New York Horticultural Society's Show, in 1883, and while admired for its beautiful appearance, its delicious flavor and aroma gave it a distinction and value above all others.

Whether for family or market use, the "*Henderson*" is certain to become a standard sort;—and its strong and healthy growth will adapt it to every soil. It is what is known as a perfect flowered variety, and therefore will never fail to produce a crop. Plants set out as late as Sept. 25th, 1883, gave nearly a pint of fruit in June, 1884, or in nine months from date of planting.

Prices of Pot Layer Plants:

12 for.....	\$2.00
50 "	6.00
100 "	10.00

When desired we will send by Mail at dozen rates.

The "CREAM" of the Strawberries for 1885.

ALL POT LAYERS FREE BY MAIL AT DOZEN PRICES.

50 at 100 rates, except where noted.

The "HENDERSON."—(See description above. Prices for pot layers, 12 for \$2.00; 50 for \$6.00; 100 for \$10.00.

JERSEY QUEEN.—The size is immense, often measuring six inches in circumference. Shape, roundish conical; color, beautiful scarlet crimson; perfectly solid and of excellent flavor. It is one of the latest, the crop in this vicinity being in perfection about the 25th of June, while the average crop of Strawberries is at its best about the 15th of June in this locality. Strong pot layers, 75 cts. per dozen; \$5.00 per 100.

KING OF THE NORTH—Fruit of the largest size and of a light crimson color. One of the earliest, abundantly productive and of excellent flavor. Strong pot layers, \$1.50 per dozen; \$8.00 per 100.

LONGFELLOW IMPROVED.—One of the most beautiful Strawberries we have ever seen. Many considered it as the finest in an exhibit of over 200 sorts at the New York Horticultural Society's show in June of 1882. It is of the largest size, dark glossy crimson, with prominent golden seeds and excellent flavor. Strong pot layers, \$2.00 per dozen; \$6.00 for 50; \$10.00 per 100.

GOLDEN DEFIANCE.—The lightest colored berry of our collection. Fair size, good quality and of average productiveness. Strong pot layers, 60 cts. per dozen; \$4.00 per 100.

BIDWELL.—Immensely productive large size, good flavor and very early. The Bidwell, however, has one fault. It is so enormously productive, that if the soil is poor half of the berries often fail to mature. Strong pot layers, 60 cts. per dozen; \$3.00 per 100.

SHARPLESS.—One of the largest and heaviest berries in cultivation. It is of fine flavor, a good berry and has deservedly become a standard sort. Strong pot layers, 60 cts. per dozen; \$4.00 per 100.

DOWNING.—Combines all the best qualities, being large, early, rich in color and flavor, and very productive. Strong pot layers, 60 cts. per dozen; \$3.00 per 100.

MANCHESTER.—A sort sent out two years ago. Of fair size and quality, very productive. A first-rate market sort. Strong pot layers, 60 cts. per dozen; \$4.00 per 100.

To any one desiring to test the above nine sorts we will send one plant of each by mail on receipt of \$1.00; or we will send 108 plants of the nine sorts (12 of each) by express for \$8.00.

Our complete Catalogue of TREES and SHRUBS will be mailed free of charge to any address, on application.

A Beautiful Lawn,

It is hardly necessary to say, is one of the most satisfactory and pleasing outside adornments that can be procured, and is rightly deemed a most essential adjunct to rural and suburban homes.

The small cost, the brief time, and the comparative ease with which a perfect lawn can be obtained, all combine to make thousands seek to secure a feature for their homes both beautiful and restful. The fact that upward of **60,000** packages of the special mixture of Grass seed bearing our name were sold last season, goes to show the interest taken in this direction. The **"Central Park" Lawn Grass Seed**, a mixture of choice grasses prepared and first named by us, has given most general satisfaction, under many and diverse conditions of soil, situation and climate; and it will be seen we offer it for sale in quantities to suit the possessor of the smallest yard, as well as to meet the requirements of the largest buyers.

In the latitude of New York, the seed may be sown any time during the months of April and May, and will form a good lawn by August if the preparation has been good. If sown in the hot months of June or July, a sprinkling of oats should be sown at the same time, so that the shade given by the oats will protect the young grass from the sun. Lawns are very often sown during the early fall months (September being the best) with excellent results.

We are often asked for information on **THE FORMATION AND RENOVATION OF LAWNS**, and to answer such inquiries have prepared an essay on the subject, which will be sent **FREE** to purchasers of Lawn grass seed whether the orders be large or small. To all others on receipt of 10 cents.

As a guide for the proper quantity to order, we may state that one quart of **"Central Park" Lawn Grass** is sufficient to thoroughly sow an area of 20 feet by 15 feet=300 square feet, or to cover an acre, five bushels will be required. It should be borne in mind that in order to produce the best results, grass seed for lawns should be sown at least twice as thickly as if sown for hay.

Price **"Central Park" Lawn Grass**, 25c. per qt., \$1.50 per peck, \$5.00 per bush. (If by mail add 10c. to qt. price.) Prices for larger quantities on applic'n.

HENDERSON'S LAWN ENRICHER,

FOR NEW AND OLD LAWNS.

For many years we have been using in our own grounds a fertilizer which we have found to be never failing in inducing a rapid and rich green growth to the lawn. To meet the wants of hundreds of patrons who desire a clean, portable and convenient lawn dressing, we now offer them the mixture designated as **"Henderson's Lawn Enricher."**

In 10-lb. Packages for	\$0.50	} BY EXPRESS OR FREIGHT.
In 20 " "	1.00	
In 50 " "	2.00	
In 100 " "	4.00	

As a guide for the proper quantity to order, we would state that a 10-lb. package is sufficient to go over an area of 300 square feet, either in forming a new lawn or used as a renovator on an old one.

Grass and Clover Seeds.

We desire to call special attention to the list of grass seeds here submitted and to say that this department is now a very extensive one with us. Of course the prices of Grass and Clover Seeds are subject to constant change, and the rates here given are those ruling at this date (January 1st, 1885), so that customers, particularly those desiring to purchase in quantity, should write us for special quotations and samples, which will be promptly furnished.

GRASSES IN VARIETY.

If by mail, postage must be added at the rate of 16 cts. per lb., or 10 cts. per qt. (Prices subject to variation.)

Red Top Grass. (*Agrostis Vulgaris*.) Valuable as a mixture in either pasture or lawn grasses; succeeds well in almost any soil (14 lbs. to the bushel.) About 3 bush. to the acre. Qt., 15 cts.; bush., \$1.25.

Kentucky Blue Grass. (*Poa Pratensis*.) Also known as June Grass; a valuable variety for lawns when mixed with other grasses; thrives best in dry soils, and retains its verdure during the hottest weather. About 3 bush. to the acre. Extra clean seed. (14 lbs. to bush.) Qt., 20 cts.; bush., \$2.25.

— Double Extra Clean. Qt., 20 cts.; bush., \$2.50.

Creeping Bent Grass. (*Agrostis Stolonifera*.) An excellent variety for lawns, succeeding well in most situations. About 2 bush. to the acre. (15 lbs. to Bushel.) Qt., 20 cts.; bush., \$4.00.

Rhode Island Bent Grass. (*Agrostis Canina*.) One of the finest of grasses for lawns when sown alone. About 2 bush. to the acre. (Bushel of 10 lbs.) Qt., 20 cts.; bush., \$4.00.

Orchard Grass. (*Dactylis Glomerata*.) One of the most desirable of all pasture grasses. Especially valuable for grazing stock. 3 bush. to the acre. (Bushel of 14 lbs.) Qt., 25 cts.; bush., \$2.50.

Timothy, or Herd Grass. (*Phleum Pratense*.) This well known variety is extensively grown throughout the country. It will produce a larger crop and is said to contain more nutriment than any other kind. From ½ to 1 bushel per acre. (45 lbs. to bushel.) Bush., \$2.75.

Hard Fescue. (*Festuca Duriuscula*.) One of the finest of dwarf-growing grasses, thriving well in dry situations. 2½ bushels to the acre. (About 12 lbs. to bushel.) Lb., 35 cts.

Meadow Fescue. (*Festuca Pratensis*.) A valuable variety for permanent pastures. 2½ bushels to the acre. (About 15 lbs. to bushel.) Lb., 60 cts.

Sheep's Fescue. (*Festuca Ovina*.) Excellent for sheep pastures; is short and dense in growth, making it valuable for grass plots. 2½ bushels to the acre. (About 12 lbs. to bushel.) Lb., 30 cts.

English Rye Grass. (*Lolium Perenne*.) A very nutritious and valuable grass for meadows and permanent pastures. 2½ to 3 bushels to the acre. (Bushel of 24 lbs.) Bush., \$2.50.

Italian Rye Grass. (*Lolium Italicum*.) A valuable European variety, thriving in any soil, and yielding early and abundant crops. 3 bushels to the acre. (About 20 lbs. to the bushel.) Bush., \$2.50.

Hungarian Grass. (*Panicum Germanicum*.) Is a valuable annual forage plant. 1 bushel to the acre. (48 lbs. to the bushel.) Bush., \$2.00.

Sweet Vernal Grass. (*Anthozanthum Odoratum*.) Useful as a mixture with other grasses on account of its early growth. It emits an agreeable odor when cut for hay. 3½ bushels to the acre. (About 10 lbs. to bushel.) Lb., 60 cts.

Johnson Grass. (*Sorghum Halapense*.) (See special description, page 75.) Lb. (by mail), 45 cts.; peck, \$1.75; per bu. (25 lbs.), \$6.00.

Meadow Foxtail. (*Alopecurus Pratensis*.) One of the most desirable of all grasses for permanent pasture, being early and rapid in growth. It thrives best on rich, moist soils. 3 to 4 bushels per acre. (About 7 lbs. to bushel.) Lb., 60 cts.

Tall Meadow Oat Grass. (*Avena Elatior*.) Is highly recommended for soiling, being rapid and luxuriant in its growth. 5 to 6 bushels per acre. (Bushel of 13 lbs.) Bush., \$3.25.

Yellow Oat Grass. (*Avena Flavescens*.) Good for dry pastures and meadows. (About 7 lbs. to the bushel.) Bush., \$5.00.

Wood Meadow Grass. (*Poa Nemoralis*.) Well adapted for either pasture or pleasure grounds, having succulent and nutritive herbage; of early growth, and thriving well under trees. About 2 bushels to the acre. (About 14 lbs. to the bushel.) Lb., 60 cts.

Rough Stalked Meadow Grass. (*Poa Trivialis*.) Valuable for pastures and meadows, particularly on damp soil and sheltered situations, producing a constant supply of nutritive herbage, greatly liked by cattle. 1½ bushels to the acre. (About 14 lbs. to the bushel.) Lb., 50 cts.

MILLETS.

If by mail, postage must be added at the rate of 16 cts. per lb., or 25 cts. per quart.

(Subject to variation in price.)

Pearl Millet. It requires from 3 to 5 lbs. of clean seed of this most valuable fodder plant to sow an acre. A detail of our experiments with it, with instructions for sowing, cutting and drying, sent free on application. Price, clean seed, 35 cts. per lb. (If by mail, 50 cts. per lb.)

German, or Golden Millet. Medium early; height 3 to 5 feet; heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough, bristly sheaths. Per bushel, \$2.00.

Hungarian (Grass) Millet. (*Panicum Germanicum*.) Early; height, 2 to 3 feet; abundant foliage and slender head; withstands drought and yields well on light soils. Per bushel, \$2.00.

CLOVERS.

(Subject to variation in price.)

If by mail, postage must be added at the rate of 16 cts. per lb.

Red Clover, Medium. (*Trifolium Pratense*.) Market Price.

Red Clover, Large, or Pea Vine. Market Price.

White Clover. (*Trifolium Repens*.) Lb., 40 cts.

Alfalfa or Lucern. (*Medicago Sativa*.) Lb., 35 cts.

Alsike, or Hybrid Clover. (*Trifolium Hybridum*.) Lb., 40 cts.

Scarlet Clover. (*Trifolium Incarnatum*.) Sow in July or August for soiling or mowing ensuing spring. Lb., 30 cts.

Bokhara Clover. (*Melilotus Leucantha*.) Affords excellent food for bees throughout its season. Lb., 60 cts.

Trefoil, Yellow. (*Medicago Lupulina*.) Hop clover. Lb. 40 cts.

Farmer's Favorite
Golden Dent.

Compton's Early.

Golden Beauty.

King Phillip.

Mammoth White Surprise.

White Flint.

LEADING VARIETIES OF FIELD CORN.

Besides the very reasonable rates given below, our prices also include for the Field Corn named on this page, bags, and delivery to any express or freight depot, or vessel here in New York.

If by mail, postage must be added at the rate of 30 cts. per qt.

Golden Beauty. This new variety is one of the most beautiful we have ever seen, and will be found fully described on page 9 of this Catalogue. 20 cts. per qt.; 75 cts. per peck; \$2.50 per bushel.

Queen of the Prairie. (See colored plate; also description at page 9.) 15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

Golden Dew-Drop. (See colored plate; also description at page 9.) 15 cts. per qt.; 75 cts. per peck; \$2.50 per bushel.

King Phillip. Very early. Usually matures three months after planting. Ears 10 to 12 inches long. Kernel copper colored, smooth and of the flinty order. 15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

Leaming. Ears of good size, cob red and small, with a deep large grain of bright yellow. It is an early variety, a strong grower, and its leafy character enables it to stand up until ripe, thus making it especially valuable in dry seasons. 15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

Longfellow. A variety well adapted for the Northern States. It is an eight-rowed yellow flint sort, with ears from 10 to 15 inches long, of an average diameter of 1½ inches. Cob small, grain large and broad. 15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

Mammoth White Surprise. A new sort with large ears and very small cob. The ears are from 12 to 14 inches long, with from 14 to 28 rows of very large, deep grains. Very productive. Said to yield from 75 to 125 bushels of shelled corn per acre, according to soil and season. Specially adapted to sections from Pennsylvania south. 15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

Compton's Early. Yellow variety, ears 10 to 12 inches long. Very early and prolific. Stalk 8 to 10 feet in height. Ears well filled. 15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

White Flint. Handsome ears, large and well filled. A first-class sort. 15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

Farmer's Favorite Golden Dent. Ripens very early, and hence succeeds far north where many varieties will not mature. 15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

Chester County Mammoth. One of the largest varieties of field corn in cultivation, yielding under good culture from 100 to 150 bushels shelled corn per acre. 15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

Large Yellow Flint. Very productive and of good quality. 15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

JOHNSON GRASS (Sorghum Halapense.)

This Grass, which has proved to be of the greatest value in Alabama and other of the Southern States, will grow on any land where corn will grow; and in the opinion of so well known an authority as Mr. Wm. Saunders, of the Department of Agriculture at Washington, is looked upon as having the greatest prospective value. In Alabama they make three cuttings of it yearly, and from the returns averaged five tons of hay from an acre. This was grown on good bottom land, and all the cultivation it receives is to plow it down once in two or three years, and then give it a very thorough harrowing, and an increased crop ensues. The best stage at which to cut it for hay is when the grass comes into bloom, when it will be about 24 or 30 inches high. It is then very tender and nutritious, and all kinds of stock are fond of it. Seed of this grass should be sown alone on well prepared ground from August to October 15th, sowing broadcast one bushel of extra clean seed to the acre

Price, per lb. (by mail), 45c.; per peck, \$1.75; per bushel (of 25 lbs.), \$6.00.

JOHNSON GRASS.
(*Sorghum Halapense.*)

NORFOLK, VA., April 30th, 1864.
Our crop of Jersey Wakefield Cabbage this spring was almost all from your seed, and was in every way satisfactory.
MCWHORTER BROS.

HENDERSON'S NEW CLYDESDALE OATS.

A Variety of White Oats of Extraordinary Weight, Earliness and Productiveness,

The Natural Weight of which is
51 lbs. to the bushel.

HENDERSON'S CLYDESDALE OATS.

Thorough and careful trials by many of our best American farmers, as well as by the Department of Agriculture at Washington, show that imported (British) oats weighing 44 lbs. per bushel give a product when sown here of 40 lbs. per bushel, or nearly 10 lbs. per bushel more than our ordinary oats. In this new *Clydesdale Oat* we not only have the extraordinary weight of 51 lbs. per bushel, but, from its great earliness, ripening about ten days before any other kind—hence harvesting in cooler weather—it is fair to expect the product of this variety sown here would be 46 lbs. per bushel, or up to the full standard of the best imported oats. It will be seen, then, that even if the amount required to seed an acre be \$14.00 (3 bushels), the product in weight and value will be over half as much again. In other words, if the cost of the ordinary oats to seed an acre be \$1 50, and the product be 60 bushels, or about 1,800 lbs., the product of the *Clydesdale Oats* (being 46 lbs. to the bushel) should be about 2,750 lbs., showing a clear gain of 950 lbs. in yield, which would be, according to the American standard (32 lbs.), 30 bushels per acre more in favor of the *Clydesdale Oats*. Besides this clear gain in yield, it should also be remembered that if the product of the *Clydesdale Oats* were used again for seed purposes, as it probably would be in the majority of cases, the value would be still further increased; for the price of oats for seed purposes, as is well known, at 46 lbs. per bushel is always at least twice the price of ordinary oats. We offer these new oats for sale at the natural weight of 51 lbs. per bushel, exactly as grown for us, so that those purchasing will actually receive for every bushel over one and one-half bushels according to the American standard. Another most important advantage of the *Henderson's Clydesdale Oats* to the farmer is the fact that they have been thoroughly cleaned by the latest and most improved machinery, and are absolutely free from foreign and weed seeds.

Price, by express or freight, \$1.50 per peck; \$5.00 per bushel (of 51 lbs.). Or we will supply three bushels (153 lbs.), the quantity required to seed an acre, for \$14.00. 1 lb. sent post-paid, by mail, for 50 cents.

ALFALFA OR LUCERN.

Although this valuable forage plant may be grown in cold latitudes as well as in warm, as the plant is entirely hardy, yet its value is not so marked in cold climates, where it finds its competitor in the Red Clover and the Grasses. But in light soils anywhere, particularly in southern latitudes, its deep rooting properties make it comparatively independent of moisture. Hence it is the forage plant par excellence for the Southern States; and when it is considered that immense sums are paid annually by the Southern to the Northern States, not only for hay itself, but for freight, too, the wonder is how long they will continue to do so, with a material at hand to produce a better article at probably one-fourth the cost. We this season call special attention to Alfalfa, for the reason that in a visit to Florida two years ago we were deeply impressed with its great value in sections where it had been grown. These impressions have taken shape in a special article on this plant which will be found in our new book, "Garden and Farm Topics." Price of seed, 35 cts. per lb.; by Mail, 50 cts. per lb.

NEW MEDITERRANEAN HYBRID WINTER WHEAT.

This variety originated by fertilizing the Red Mediterranean with the pollen of the Deihl. The claim is made for it that it has proved to be unusually hardy and very prolific, and has been pronounced to be superior for flour. It has the beard and blue straw of the Mediterranean, and the compact heads, stiff straw and plump berry of the Deihl. It stools so as to stand at least one-third thicker in the ground than the Fultz, Clawson or Mediterranean. 15 cts. per qt.; 75 cts. per peck; \$2.50 per bushel.

RURAL BRANCHING DOURA.

A wonderfully productive fodder plant that has been thoroughly tried, and is seemingly superior to all others for soiling, silos, or dry fodder. It is described as throwing from 6 to 16 stalks from one seed. It is much sweeter than corn stalks, and cattle, horses and hogs will eat it ravenously. It stands firm against the highest wind, roots deep, and will endure without injury a drought that sometimes ruins corn. Culture same as for corn. Price, 35 cts. per lb.

If by mail, add 16 cts. for postage. Four pounds required to plant an acre.

BRITISH (Imported) OATS.

Besides the valuable new Oat, "Henderson's Clydesdale," described at length on another page, we offer the following standard British varieties:

Hopetoun. A potato Oat (white) of great value, averaging 42 lbs. to the bushel.

Black Tartarian. Early, productive and long strawed; the oats will weigh 38 lbs. to the bushel.

Waterloo. This is a white Oat weighing 36 to 38 lbs. per bushel, producing well both of grain and straw.

White Poland. An early variety, grain large, but thick skinned. This sort weighs 40 lbs. to the bushel.

All the above Oats we offer in fine, well cleaned samples. Price for any variety, \$1.00 per peck; \$3.00 per bush.; or a two-bushel bag of any variety for \$5.00 (bags included).

RYE.

Winter.....\$1.25 per hushel.
Spring 1.75 " "

WHITE RUSSIAN SPRING WHEAT.

This variety is not exactly a white, but is a light colored variety of red wheat, and is an enormous cropper. It has long, straight, strong yellow straw, and bears long and large white chaff heads, well filled with plump kernels, often weighing from 60 to 62 lbs. to the measured bushel. Under varying conditions it yields from 30 to 50 bushels from one hushel of seed.

3 lbs. by mail for \$1.00. By express or freight, 80 cts. per peck; \$3.00 per bushel.

WINTER WHEAT.

Fultz. A first-class milling Wheat. Bush., \$3.00.

Seneca, or Clawson. This is a smooth, white Wheat, with red chaff, early and hardy; has a stiff straw, and yields large crops on every variety of wheat soil. Bush., \$2.75.

EARLY AMBER SUGAR CANE.

A variety of Sugar Cane which has been largely tested in many parts of the country with very general success. Its distinctive features are said to be its earliness and great yield of both sugar and syrup. Culture the same as for corn.

Qt., 30 cts.; bush., \$6.00.

If by mail, add 25 cts. per qt. for postage.

EARLY ORANGE SUGAR CANE.

Yields about 25 per cent. more cane, and is also much more juicy than any other variety. The stalk is much heavier, not quite so tall, and it is a little later than the Amber. It does not succeed well north of latitude 43 degrees.

30 cts. per qt.; \$6.00 per bush.

If to be sent by mail, add 25 cts. per qt. for postage.

OATS.

Probsteier. A leading variety. It is very productive and heavy, and straw very strong. Bush. (32 lbs.), \$1.00.

BUCKWHEAT.

Silver Hull. This variety, sown at the same time as the common Buckwheat, continues in bloom longer, matures a few days sooner, and yields nearly double, under the same conditions. Price, per bush., \$2.25; 4 lbs. by mail, \$1.00.

Buckwheat, Common Variety. Bush., \$1.50.

SUNDRY SEEDS.

If by mail, postage must be added at the rate of 16 cts. per lb., or 25 cts. per qt.

Per Bush.

Broom Corn, Medium	<i>Holcus Saccharatus</i>	per qt, 20c.	\$4 50
— Evergreen. Carefully saved from selected brush.....		per qt, 25c.	4 50
Chicory (for Coffee).....		per oz., 10c.; per lb., \$1.00.	
Cotton, Sea Island		per lb., 30c.	
Flax Seed	<i>Linum Usitatissimum</i>	per qt, 25c.	4.00
Opium Poppy	<i>Papaver Somniferum</i>	per oz., 30c.; per lb., \$2.00.	
Spring Vetches	<i>Vicia Sativa</i>	per qt., 20c.	4.00
Sunflower, Large Russian	<i>Helianthus Annuus</i>	per qt., 40c.	
Osage Orange	<i>Maclura Aurantiaca</i>	per lb., 50c.	8.50
Celery Seed. For flavoring.....		per lb., 40c.	
Honey Locust	<i>Gleditschia Triacanthos</i>	per lb., 50c.	
Yellow Locust	<i>Robinia Pseudacacia</i>	per lb., 70c.	

The Celery plants received in good condition. I am well pleased with them. Many thanks for the generous count.

WARREN, OHIO, July 25th, 1884.
CHAS. L. FANCHER.

(Illustrated and Descriptive Catalogue of Implements sent free on application.)

Matthews Seed Drill.

Sows all kinds of garden seeds with certainty and rapidity. It opens the furrow, covers the seed, rolls it, and marks for the next row at one operation. Price, \$12.00.

The "Planet Jr." No. 2 Seed Drill.

One of the best seed sowers made. It opens the furrow, drops the seed, covers and rolls it, and marks for next row at one operation. Holds $2\frac{1}{2}$ quarts. Price, \$10.00.

The "Planet Jr." Combined Drill, Cultivator and Plow.

Combines the Seed Sower, Cultivator and Wheel Hoe in one implement. The hopper holds 1 quart only, but sows as well as the No. 2 Drill, and it will cultivate, hoe, and plow, etc. Price, \$12.00.

The "Planet Jr." Double Wheel Hoe, Cultivator and Plow.

It hoes and cultivates all garden crops, throwing earth either to or from the plants. It is furnished with 4 cultivator teeth, 2 hoes and 2 plows, all interchangeable and adjustable to any row. Price, \$8.00.

The "Planet Jr." Single Wheel Hoe, Cultivator and Plow.

Supplied with cultivator, teeth, hoes and plow, enabling it to do any kind of gardening, hoeing or cultivating. Will not straddle the rows like the Double Wheel Hoe. Price, \$6.50.

"Firefly" Single Wheel Hoe, Cultivator and Plow.

A light tool, capable of doing about the same work as the "Single Wheel Hoe," being furnished with plow, cultivator and hoe teeth. Price, \$4.50.

Universal 4-Blade Hoe.

Indispensable for close crops, say from 10 to 15 inches. Will do better work with greater ease and four times as fast as a hand hoe. Those we have in use save us several hundred dollars per year in labor alone. Wings to prevent dirt from being thrown on small plants, 75 cts. extra. Price, \$4.50.

Excelsior Side Wheel Mower.

Has patent self-cleaning gears, which will not clog, are noiseless, and have improved ratchets, without springs or other parts liable to get out of order. These Mowers are without doubt the lightest, most practical and best Side-Wheel Mowers ever offered. (Warranted.) Prices on application.

Excelsior Roller Mower.

Runs slightly harder than "side wheel" mowers, but it leaves the lawn in better condition and cuts borders better. This is the lightest running and best roller mower made. Prices on application.

Lawn Mower Guards.

Made of spring steel wire. Protects the knives and enables grass to be cut close into shrubbery, ribbon borders, flower beds, etc., without cutting the foliage. (In ordering, state size and make of Mower for which the Guard is wanted.)

PRICES.

10-inch.....\$1.20	14 inch.....\$1.50	18-inch.....\$1.90
12 " 1.30	16 " 1.70	20 " 2.10

Excelsior Horse Lawn Mower.

The side draft attachment keeps horse on cut grass entirely. Guaranteed to do perfect work. Prices on application.

Horse Boots, per set.....\$12.00

Four-Arm Lawn Sprinkler and Fountain.

One of the very best and most reliable Sprinklers made. By changing the jet, it makes a beautiful fountain. Price, \$4.50. BALL AND BASKET attachment for Four-Arm Sprinklers, \$4.00 extra.

PERFECTION LAWN SPRINKLER.

Distributes the water in a very pretty shower over a large surface. It is one of the best of the small Sprinklers. Price, \$1.00 each.

(Complete Descriptive and Illustrated Catalogue of Implements sent on application.)

Roland Plow.

1-Horse, light.....\$5 50
1 " full.....7 50
2 " light.....10 00
2 " full.....10 50
2 " heavy.....11 00
Wheel, extra, \$1.00; Skid, \$2.00.

Steel Plow.

Full 2-horse plow with cast share.....\$11 00
With steel share.....13 00
Jointer, extra.....2 50
Wheel, \$1.00. Coulter, \$2.25.

Steel Swivel Plow.

For side hills, etc.
Full 2-horse.....\$13 00
Coulter, extra.....1 00
Wheel, ".....1 00

Cast Iron Plow.

No. 18, light, 1-horse.....\$3 00
No. 18½, med. 1 ".....3 50
No. 19, full, 1 ".....4 00
No. 19½, light, 2 ".....4 50
No. 20, med. 2 ".....5 50
No. 21, full, 2 ".....6 00

Cabbage Plow.

For cultivating leafy crops.
Price, \$4.50.

Double Mold Plow.

For making drills, ditches, ridges, etc.
Small.....\$4 00
Medium.....5 50
Full.....7 00

Daniels Plow Sulky.

Without plow.....\$35 00
With steel plow.....46 00

Single Shovel Plow.

Iron beam.....\$3 50

Double Shovel.

Iron beam.....4 50

Steel Wing Shovel Plow, with Back Wheel.

Adjust'le to any width of row \$8.00
Potato Digging Attachment, \$2.50 extra.

Miner's Subsoil Plow.

1-horse.....\$7 00
2 ".....10 00
Wheel, extra.....1 50
Draft Rod, extra.....1 50

Goodall Subsoil Plow.

Extra strong wrought iron beam. By removing joint it makes a Grub Hook. Price, \$10.00.

Goodall Grub Hook.

Splendid for tearing up roots, clearing land, loosening stones, etc. Price, \$8.00.

Potato Digger.

Will do the work of a dozen men. Wooden beam and steel wings. Price, \$12.00.

Planet Jr. Sweet Potato Digger.

Cuts the vines and digs the potatoes with the rapidity of several men. Price, \$20.00.

Firefly Hand Plow.

Price, \$3.00.

Wheel Harrow.

\$25.00 to \$30.00.

Square Harrow.

Riveted Beams, Steel Teeth.
15 teeth.....\$8 00
19 ".....9 00
23 ".....10 50

Hinge Harrow.

24 teeth.....\$15 00
30 ".....17 00

Butterfly Harrow.

14 teeth.....\$9 00
18 ".....10 50
22 ".....14 50
26 ".....16 25
30 ".....18 00

Smoothing Harrow.

Slanting Spring, Steel Teeth.
2-horse (10 ft.).....\$24 00
1 " (5 ft.).....13 00

Acme Harrow.

2-Horse.....\$25 00
3 ".....29 00

Coulter Harrow.

Splendid for Sod and Stubble ground. Price, \$14.00.

Spring Tooth Harrow.

\$26.00 to \$40.00.

Sulky Cultivator.

Complete.....\$45 00

Mumbler.

Splendid pulverizer. Price, \$12.00.

Furrower and Marker.

Marks rows, makes furrows and covers. Price, \$20.00.

Orange and Peach Grove Cultivator.

Will not injure surface roots. Expanding frame. Price, \$7.00.

Planet Jr. Horse Hoe.

(Steel Standards.)
Horse Hoe and Cultivator \$12 00
Wheel, extra.....1 00
Roller, ".....3 00

"To and Fro" Cultivator.

Teeth curved like a mold board. Excellent Pulverizer. Price, \$8.00.

Jersey Cultivator.

Expanding wooden frame...\$5 00
Iron frame.....6 00

Spade Tooth Cultivator.

Iron expanding frame. Price, \$6.00.
Horse hoe teeth, extra.....\$1 50
Wheel, extra.....1 50
Roller or Coverer.....3 00

Wright's Cultivator and Hiller.

Heavy soil Cultivator, wood frame. Price, \$6.00.
Hiller, extra.....\$3 50

Cultivator Harrow.

For Garden Crops. Fine for stirring soil between rows. Expanding frame. Price (with wheel), \$6 50.

Wheel Cultivator.

\$26.00 to \$32.00.

(Descriptive Catalogue of Implements [illustrated], mailed on application.)

Root Cultivator.

For cultivating root crops when grown in rows.

Price.....\$6.00

Broadcast Seed Sower.

Price, \$6.00.

Bullard's Hay Tedder.

Best tedder made.

Price, \$60.00.

Hose Reel.

For 100 ft., \$5.75; 200 ft., \$4.50.

Asparagus Buncher.

Price, \$3.50.

Bellows Syringe.

For applying fluid insecticides.

Price, \$3.50.

Road Scoop.

No. 1, 24 in. wide.....\$6.00
 No. 2, 26 " " 7.00
 No. 3, 30 " " 9.00

Blanchard Churn.

2-gal., \$6.00; 4-gal., \$7.00;
 8-gal., \$8.00.

Chatauqua Corn and Seed Planter.

New and improved; separate tube for pumpkin seed.....\$2.50

Corn Husker.

Strips every ear of stalk, husk and silk.

Price, complete, \$125.00.

Without picking rolls, \$100.00.

Hickman's Hose Mender.

Self-packing; easily applied.

3/4-inch, 20 cts.; \$2.00 per doz.
 1-inch, 25 " 2.50 "

Hand Seed Sower.

Price, \$1.25.

(By mail, \$1.50).

Spring Tooth Gleaning Rake.

Teeth made of first quality spring steel.

Price (20 teeth), \$14.00.

Garden Engine.

Holds 40 gallons; throws stream 50 feet.

Price, \$20.00.

Rubber Sprinkler.

For sprinkling cut flowers, seedlings, clothes, etc.

Price, \$1.00.

Garden Barrow.

Made of best timber; nicely painted.

No. 1 (boy's size).....\$4.00
 No. 2..... 5.00
 No. 3..... 5.50
 No. 4..... 6.00

Portable Force Pump.

Throws stream 50 feet.

Price, \$6.00.

American Watering Pot.

1 qt.....30c. 8 qt.....\$0.75
 2 "40c. 10 " 1.00
 4 "50c. 12 " 1.25
 6 "60c. 16 " 1.75

Keystone Corn Planter.

The best corn planter and fertilizer distributor in the world.

Price, \$21.00.

Without fertilizer distributor, \$16.00.

Horse Rake.

Self discharging; latest improved.

Price, \$30.00.

Pennsylvania Grain Drill.

With force feed fertilizer attachment.

PRICES.

8-tube.....\$ 95.00
 9 " 100.00
 Spring Hoes, extra per hoe, \$1.00.

Wooden Revolving Hay Rake.

Price, \$6.00.

Rubber Hose.

3-ply, 1/2-inch.....per foot, 15c.
 " 3/4 " 18c.
 " 1 " 21c.

Nozzle, 3/4-in., \$1.50; 1-in., \$1.75.

"Our" Jack.

For Carriages and Light Wagons, \$2.50

For Heavy Wagons, Trucks, etc., 3.50

Champion Barbed Wire.

On 50 to 100 lb. spools, 15 feet to 10.

Price per lb., 7 1/2 cts.

Dog Power.

For churning, turning grindstones, etc.

Price, \$15.00.

Bag Holder.

Fits any Bag.

Without stand.....\$1.50
 With stand..... 2.00
 With stand and wheels..... 2.50

Sack Truck.

6-inch wheels.....\$4.50
 7 " " strapped frame... 5.75

Pendulum Force & Lift Pump

Best stationary force pump made.

No. 6.....Price, \$12.00

No. 1..... " 14.00

Farmer's Force Pump.

Will throw straight stream 75 feet, or spray 60 feet.

Price, \$8.00.

(Descriptive and Illustrated Catalogue of Implements mailed on application.)

Iron Field Roller.

3 Sec., 12x20, 550 lbs....\$30 00
4 " 12x20, 650 lbs.... 35 00
5 " 12x20, 750 lbs.... 40 00
6 " 12x24, 850 lbs.... 45 00
7 " 12x24, 1,000 lbs.... 50 00
8 " 12x24, 1,200 lbs.... 60 00
(And other sizes.)

Garden Roller.

2 Sec., 7½x12, 125 lbs....\$8 00
2 " 12x20, 300 lbs....18 00
3 " 12x20, 450 lbs....25 00
2 " 12x24, 400 lbs....22 00
(And other sizes.)

Manure Spreader.

Without forward truck, etc.\$110 00
Forward truck, whiffletree and
neck yoke, extra.....\$25 00
Drill Attachment..... 10 00

Sprinkling Cart.

Holding 120 gals..... \$75.00
" 160 " 100.00
Hand size, holding 40 gals.... 30.00

Water Barrel and Truck.

Price\$12.00
With box..... 15.00
Wide tire, \$2.00 extra.
Sprinkling attachment, \$3.00 extra.

Warrior Mower.

Anything possible for a mower
can be done with it. Light draft.
1-horse (cuts 3 ft. 7½ in.)\$70 00
2 " (cuts 4 ft. 3 in.).... 75 00

Warrior Reaper.

One of the best Reapers made.
Fully warranted.
Cuts 5-ft. Swath. \$100.00.

Grass Edger.

For trimming borders.
Price, \$7.00.

Lawn Sweeper.

Hand machine.....\$18.00
Horse " 70.00

Burrell Corn Sheller.

Wooden legs.....\$8.00
Iron legs 7.00

Clinton Corn Sheller.

Single Hopper.....\$6 50
" 2 balance wheels... 7 50
Double 2 "10 50

Griffing Corn Sheller.

With Fan.....\$12 00
Without Fan 10 00

Lever Feed Cutter.

Furnished with gauge plate.
Price, \$7.00.

Copper Strip Feed Cutter.

Prices, from \$9.00 to \$35.00.

Hide Roller Feed Cutter.

Prices, from \$6.50 to \$13.00.

Vegetable and Root Cutter.

With 1 balance wheel....\$10 00
" 2 " 12 50

**Horse Radish and Coconut
Grater.**

Grates 15 lbs. per hour.
Price, \$7.50.

Horse Radish Grater, on legs.

Grates 20 lbs. per hour.
Price, \$10.00.

Hutchinson's Cider Mill.

No. 0, \$15; No. 1, \$18.00.

Union Cider Mill.

Price, \$30.00.

Hand Corn Mill.

Prices, \$5.00, \$6.00 and \$7.50.

**Grinding Mill, hand or
Power.**

Capacity, 30 bush. per day.
Price, \$22.00.

Farmers' Grinding Mill.

Grinds all kinds of grain.
Price, \$60.00.

Corn and Cob Mill.

Grinds grain and corn and cob.

Price, \$40.00.

**Dry Bone and Oyster Shell
Mill.**

Price, \$5.00.

Grant Fan Mill.

The best Fan Mill made.
No. 1, 8 sieves, 16x20.
Price, \$30.00.
(Other sizes.)

**Hale's Perfect
Mole Trap.**

The best Trap
made.

Price, \$2.25.

**Samson Grind Stones
(mounted.)**

40 to 50 lb. stone.....\$5 00
70 to 80 " 6 00
100 to 110 " 7 00

Plant Protectors.

Price, 20c.; \$1.75 per doz.

Hand Glass.

Folding frame of galvanized iron.
Price (without glass), 50 cts. each,
\$4.50 per doz.

FERTILIZERS, INSECTICIDES, Etc.

BLOOD AND BONE FERTILIZER.

We desire to call special attention to this Fertilizer, which is prepared especially for us, and which we have sold very largely with the most satisfactory results to all sections of the country. That it has met with such unanimous approval is undoubtedly due to the fact that the article manufactured is pure blood and bone. As great many of our inexperienced customers frequently make inquiry as to the quantity we use of this fertilizer and how to apply it, we would state that when applied broadcast for such crops as Spinach, Cabbage, Beets, Onion or Celery, from 1 to 2 tons per acre is used, according to the condition of the land. The ground being well plowed, the fertilizer is sown on over the surface and then harrowed in thoroughly. For seed beds for Cabbage, Lettuce, etc., the same ratio of quantity is used, applied in the same manner. When, however, this fertilizer is used in rows or in hills for such crops as Celery, Cabbage or Early Corn, from 100 to 200 lbs. per acre will be enough, taking care to have it well mixed with the soil in the rows or hills.

In Bbls. of about 250 lbs., \$3.00 per 100 lbs., or \$50.00 per ton (of 2,000 lbs.)
Pure Crushed Bone. A coarse article, particularly well adapted for use in the preparation of grape vine borders; perfectly pure. In bbls. of about 250 lbs., \$3.00 per 100 lbs., or \$50.00 per ton (of 2,000 lbs.)

Pure Bone Meal. This Bone Meal is ground very fine, and is well adapted for mixing with soil for potting purposes, for which one part of meal to fifty of soil is about the right proportion. It is the same article we use for mixing with moss in our "Moss Mulching" process, and is excellent for top-dressing lawns. Price, per 5-lb. package, 50 cts.; per 10-lb. package, 80 cts.; per 25-lb. package, \$1.50. Quantities of 50 and 100 lbs. and over, at 4 cts. per lb.; or \$60.00 per ton (of 2,000 lbs.)

Pure Ground Bone. This is coarser in appearance than the above, and adapted for general fertilizing purposes. The sample we offer is of very fine quality and quite pure. In bbls. of 200 lbs., \$5.00 per bbl., or \$45.00 per ton (of 2,000 lbs.)

Peruvian Guano. 25 lbs. for \$2.00. Per bag of 200 lbs., 4 cts. per lb. Price per Ton on application.

Fertilizer Distributor and Paris Green Duster. \$2.00 each.

INSECT DEATH POWDER.

We have used the **Insect Death Powder** for the past two years in our Green-house Department, and have found, when applied by the "Excelsior Insect Powder Gun," nothing so effective in destroying Caterpillars, Rose Bugs, Slugs, Green-fly, Auts and Thrip, and nearly all other insects, attacking plants, whether inside or out. It is also equally effective in destroying Cock Roaches, Bed Bugs, Red Ants and other insects infesting dwellings. Being composed entirely of vegetable ingredients, it in no way injures plants and rather tends to fertilize than otherwise. Price, 10 cts. per oz.; 25 cts. per $\frac{1}{4}$ lb.; 75 cts. per lb.

THE EXCELSIOR INSECT POWDER GUN.

Specially adapted for applying the above mixture. Of this we offer three sizes, viz.: Holding 2 oz., 25c.; 4 oz., 35c.; 8 oz., 50c. each.

Mildew Mixture. A sure preparation for destroying mildew. For use, mix a wineglassful of the mixture in four gallons of water, and apply with a syringe on the leaves twice a week until the mildew disappears. Per Pint Bottle, 75 cts.

Cole's Insect Destroyer. We have now given this a thorough test in our green-houses, and find, when applied by the atomizer—such as is used by barbers—that it instantly destroys Mealy Bug and Red Spider, without injuring in the slightest the most tender plants. Price of half-pint bottles, 75 cts. each. Price of Atomizers, 75 cts. each.

Whale Oil Soap. 2-lb. Packages, 35 cts.; 5-lb. Box, 80 cts.

Gishurst Compound. Price, per Box, 50 cts.

Jacques' Sapo Tabacum, or Tobacco Soap. Price, 50 cts. per lb.

White Hellebore. Price, 50 cts. per lb.

Persian Insect Powder. Price per $\frac{1}{4}$ lb., 50 cts.; per lb., \$1.50.

Tobacco Dust. Price, 10 cts. per lb.; per 100 lbs., \$7.50.

Tobacco Stems. In bales of 100 lbs., \$2.50.

Sulphur (Flour of). 15 cts. per lb.; per 25 lbs., \$2.50.

Horace's Tobacco and Hellebore Insecticide. In patent bellows boxes, 25 cts. each.

Paris Green. In 2 and 5 lb. boxes only, at 25 cts. per lb.

Fir Tree Oil. Per quart tin, \$1.50.

STAKES, LABELS, TYING MATERIALS, etc.

Round Green Tapering Stakes.	Square Green Tapering Stakes.	Round Green Stakes with White Tops.
1 $\frac{1}{2}$ feet, per 100.....\$1 50	1 $\frac{1}{2}$ feet, per 100.....\$1 25	
2 " do do 2 50	2 " do do 1 50	2 feet, per 100.....\$4 00
2 $\frac{1}{2}$ do do 4 00	3 " do do 4 00	3 do do 6 00
3 do do 5 00	4 " do do 5 00	4 do do 7 50
3 $\frac{1}{2}$ do do 6 00	5 do do 6 00	5 do do 9 00
4 do do 7 00	6 do do 8 00	6 do do 10 00
5 do do 9 00	(Any quantity at same rate.)	

Cane or Bamboo Stakes, average length from 6 to 9 feet, per 1,000, \$8.00 (in bundles of 500 only).

WOOD LABELS.

4 inch.....per 100, 15c.; per 1,000, 75c.	8 inch.....per 100, 50c.; per 1,000, \$4 50	3 $\frac{1}{2}$ in., pierced, per 100, 15c.; per 1,000, 75c.
5 inch.....per 100, 20c.; per 1,000, \$1 00	12 inch.....per 100, 65c.; per 1,000, 5 50	
6 inch.....per 100, 25c.; per 1,000, 1 50	13 $\frac{1}{2}$ in. notched, per 100, 15c.; per 1,000, 75c.	

WOOD LABELS (PAINTED WHITE).

Pierced Tree.....2 $\frac{1}{2}$ x $\frac{1}{2}$ inches, per 100, 15c.; per 1,000, 80c.	Pot.....5 x $\frac{3}{4}$ inches, per 100, 25c.; per 1,000, \$1 25
".....3 $\frac{1}{2}$ x $\frac{1}{2}$ ".....20c.; " 1 00	".....6 x $\frac{3}{8}$ ".....30c.; " 2 25
Notched ".....3 $\frac{1}{2}$ x $\frac{3}{8}$ ".....20c.; " 1 00	".....8 x 1 ".....75c.; " 6 00
Pot.....4 x $\frac{3}{8}$ ".....20c.; " 1 00	".....12 x 1 $\frac{3}{8}$ ".....\$1.00; " 8 00

MISCELLANEOUS.

Angel Mats.....	5x7 feet, each 75c.; per doz., \$7 50
Cuba Bast, for tying.....	per lb., 75c.
Raphia, for tying.....	per lb., 75c.
Grafting Wax.....	per lb., 40c.
Rustic Hanging Baskets.....	8 in., 75c.; 10 in., 90c.; 11 in., \$1.00; 12 in., \$1.25
Wire Hanging Baskets.....	8 in., 35c.; 10 in., 50c.; 12 in., 65c.
Garden Vases, Terra Cotta.....	from \$8.00 to 20.00. (Circular on application.)
Rustic Settees, \$8.00; Rustic Chairs, \$6.00; Rustic Vases.....	\$5.00 to \$12.00

ORDER SHEET FOR PLANTS.

PETER HENDERSON, 35 & 37 Cortlandt St., New York.

Forward to :

Name of Person,	Enclosed is Cash, \$
" Post Office,	" Draft, \$
" Express Office (<small>IF DIFFERENT FROM P. O.</small>),	" Post Office Order, \$
" County,	or C. O. D., \$
" State,	Date, 1885.

Please fill in the above blank with your full name, address, etc., plainly written, and always state in what way Plants are to be sent. Carry out the Catalogue price of each item, and carefully add up the full amount. Use this order sheet for plants only, and please do not write letters on it. A careful observance of these directions will oblige us, and enable us to fill orders with greater accuracy and dispatch.

Please do not write here—this space is for filing.

If more than one Express Company runs to your place, please designate which we shall ship by.

NUMBER

ARTICLES

PRICE

PREFACE

—TO—

PLANT CATALOGUE.

It is now thirty-seven years since the first edition of this Plant Catalogue was issued. The few of our early patrons who still remain, will remark the steady and wonderful growth of our business during that period. From a few small green-houses in 1848, our establishment to-day is the largest on this Continent. Everything is conducted on the most perfect system, under the personal supervision of the proprietor.

Our Green-houses. —On last page of cover see engraving of Green-houses, the area being 600 x 300 feet, or something over four acres solid in glass.

Plants for Export. —Our trade now extends far beyond the confines of our own continent, our goods being sent to all parts of the globe. This export business has with us reached such proportions that we pay special attention to all such orders, giving particular care to the packing and forwarding.

Novelties. —It rarely happens that we are enabled to offer in one season as many novelties of real value as we are in this, as a casual glance through these pages will show. As instances, we would mention the new White Pink "Snow," the new Scarlet Bouvardia "Vulcan," the Double Antirrhinums, New Dwarf Hollyhock "Crimson Pyramid," new Heliotropes, new Roses, etc., etc.

We grow only the best of the older varieties, and our prices, quality considered, are the very lowest.

POINTS OF INTEREST.

We would call special attention to our "Low Rate" collections of Novelties and Standard sorts to be found in the last pages of this catalogue.

To our Premiums and great inducements, on page 87.

To our Novelties, pages 88 to 97

To our Roses, pages 98 to 107.

To our large and unequalled general collection, pages 107 to 130.

And last we invite a comparison of prices.

Have Your Plants Sent by Express. —It is a well known fact, that in the majority of cases plants sent by mail, although they may look all right on arrival, often die outright, or at best fail to give satisfaction in the hands of amateurs. This is caused by the shock they sustain in having the soil shaken from the roots to lighten them. Hence it is far more economical to have them sent by Express, as you receive a better plant in a growing condition. We always put in a number of "extra" plants to compensate for expressage. Of course, in places where there is no Express Office, plants have to be sent by mail; in such cases we use the greatest skill and care to have them arrive in good condition.

Packing. —No charge is made for boxes, baskets or packing, and all goods are delivered at express or freight offices in New York free of charge. Our system of packing is so complete that we now ship *every day*, no matter how cold or how hot the weather may be, and rarely have a complaint.

We Guarantee safe delivery of all *Plants* or *Seeds* when sent by mail or express, but all complaints, however, must be made at once on receipt of goods. We will not hold to our guarantee if, a month after, from inattention or other causes, *Plants* have failed, and complaint is then made. *Plants* sent by freight are entirely at the risk of the purchaser.

Our Gardens in Jersey City are within forty minutes' time, by Ferry Boat and Horse Cars, from our Seed Stores, 35 & 37 Cortlandt Street, New York, where a card with plain directions of "How to reach the Nursery" will be given to any one applying.

Parties wishing to see Peter Henderson personally will find him at the Green-houses till 12 M., and at his office in New York from 2 to 4 P. M.

We Sell No Cuttings.—Every season we are applied to for cuttings. We sell no cuttings, long experience having shown us that the plan is a bad one for both buyer and seller. When cuttings are packed they generate a damp that is almost certain to destroy them before they would root; and to us who sell it would really be more trouble to detach and pack cuttings than to send plants. See our Low Price Collections on last pages of this Catalogue.

Treatment of Plants when Received.—When plants are sent by mail, nearly all the soil is shaken off to lighten. If it is the season when they can be planted out-doors, the ground should be first well dug up and pulverized; the plants when set out should be well firmed about the roots, copiously watered once only when planted, and shaded for two or three days when the sun is out. No further watering should be done, but a mulch of moss, manure, or leaves around the roots would be beneficial. When received (by mail) at a season when they cannot be put out, they should be placed at first in as small pots as possible, and sparingly watered until they show signs of a new growth. If by express, the plants are usually in such condition as to require a size larger pot than they have been growing in, but if the season is suitable, they are better planted out at once.

Soil for Potting is not of so much importance as is usually supposed. When practicable, about three parts rotted sod from any good pasture land is best, to one part rotted manure; but when that cannot readily be obtained, the soil immediately underneath the sod, mixed with manure, will answer.

Drainage.—When plants are first potted, or are cramped in small pots, there is no necessity for drainage; but as the practice with amateurs is almost universal to overpot plants, as a measure of safety, from one to two inches of broken charcoal or potsherds should be placed in the bottom of all pots over six inches in diameter, and what is even of more importance than this "crocking," so-called, is to have the plants set on a rough surface of gravel or fine cinders, so that a free escape of water can take place.

Moss Mulching.—This is a novel practice we began in 1880. It consists in mixing the common moss of the swamps or woods with about one-twentieth of its bulk of bone dust. This is placed to the thickness of an inch or two on the top of the pot. Plants so treated quickly show surprising health and vigor. It cannot be too highly recommended, whether for the amateur growing a few window plants, the gardener with his full appointed green-houses, or the florist who grows to sell—to one and all we advise it, as it not only lessens labor, saving a re-potting of plants frequently for twelve months, but the vigor of growth and productiveness of flower and coloring of foliage are perfectly astonishing. The Moss Mulching process should only be done in summer. If used in winter there is danger of the plants getting too damp.

Insects.—The insects that infest Green-house Plants are principally the Aphis or Green Fly, the Thrip, the Red Spider, and the Mealy Bug. Tobacco, either in the form of snuff or in solution—about the color of strong tea—or by smoke, by burning the refuse stems, in either way is quickly fatal to the green fly, and will check, in part, the thrip. Either of the first two methods is most suitable for plants in rooms, but in the green-house the smoke is most convenient, using about one pound of the stems to every 1,000 square feet of glass, once a week or oftener. For Red Spider and Mealy Bug, Cole's Insect Destroyer, put on with a barber's atomizer, is a certain remedy; or they may be sponged off with weak soapsuds.

Mildew.—This great scourge of Roses under glass is easily checked by painting the hot-water pipes with a wash of Sulphur once in two weeks; or when not firing or out of doors use our Mildew Mixture. (See Index.)

Heat, Light, Air, and Moisture.—The temperature of the air for most plants in the winter season at night should not exceed 55°, and it will do no harm if it occasionally falls to 45°, with from 15° to 20° higher in day-time. **LIGHT** should be given, whenever it can, directly on the plants from December to April; if it cannot, as in Window culture, the next best thing to do is to turn the plants occasionally, so they get an equal share on all sides. **AIR, or VENTILATION,** is guided by temperature to be kept, but should never be given so as to blow directly on the plants. **MOISTURE.**—Plants should never be watered unless the soil indicates by its lightness of color that it is dry, and then they should be watered freely. This will be necessary two or three times a week in clear weather in winter; in spring or summer, nearly every day. If a plant is sickly, or shows but little sign of growth, the remedy is to withhold water, almost to the point of shriveling, until it shows indications of growth. Avoid all fertilizers in such cases, and let Nature work out her own cure.

Shading the Glass. —The best shading we have ever used is naphtha, mixed with a little white lead, so as to give it the appearance of thin milk. This can be put on the glass with a syringe very quickly, at a cost not exceeding 25 cents per 1,000 square feet. It holds on the entire season until loosened by the fall frosts, which is, for most plants, just the time for it to be taken off.

Water. —If practicable, give plants one good soaking after planting in the open ground, which will be all they will require, unless in the case of long-continued dry weather, when, if again necessary, the watering must be thorough—sprinkling is of little or no use.

Winter-Flowering Plants. —The increase in the taste for winter-flowering plants within the past five years has been even more positive than that for the cultivation of plants out of doors. Formerly it was rare for florists to fill an order in the fall, but now, during the months of October, November and December they make shipments daily in large quantities to every section of the country, nearly equaling in number those of plants for the open ground in May and June. We issue a Special Catalogue of Plants and Bulbs suitable for this purpose, about September 1st. Sent free on application.

PREMIUMS AND CLUB TERMS.

To purchasers of PLANTS from this Catalogue (between pages 88 and 130) we offer the following reductions:

For \$5.00 cash, Plants from this Catalogue to the value of \$5.50 can be selected.

" 8.00	"	"	"	"	9.00	"	"
" 12.00	"	"	"	"	14.00	"	"
" 15.00	"	"	"	"	18.00	"	"
" 20.00	"	"	"	"	24.00	"	"
" 25.00	"	"	"	"	30.00	"	"

These discounts do not apply to the Low rate collections, as the prices there are already as low as good stock can be sold for.

The above offers will still include our Book Premiums if the order is of sufficient amount as per conditions named on page 4.

Early Orders. —We again urge upon our customers the great importance of sending their orders early; by so doing we can always send larger and finer plants, and it enables us to refill our space before the selling season is over. For instance, a person receiving an assortment of plants on April 1st, can with very little trouble keep them along in the dwelling house or a cold frame until the first or middle of May, when they are to be planted outside. To encourage **early orders** we will give a **discount of 10 per cent.** from Catalogue prices on all cash orders for plants (between pages 88 and 130) received and shipped before April 1st.

"Sunset" Premium. —In addition to the above liberal offers, we will give on all orders of \$5.00 and upwards, whether for Roses or other plants, a plant of the magnificent new Tea Rose "Sunset."

Remember. —We give no premiums or discounts from "Low Rate Lists," except the "Sunset" Rose when the order amounts to \$5.00, and the 10 per cent. discount if order is shipped before April 1st.

Prices. —The higher prices for the first ten pages in this Plant Catalogue are for the NEW OR SCARCE PLANTS. But we call special attention to the

GREAT REDUCTION IN PRICES

to be found this season in our roses and general collection of plants. It must always be borne in mind, however, that SIZE enters into the question of price. Roses, for example, four or five inches high, and grown in two-inch pots, are dearer at ten cents each to the buyer, than a Rose a foot in height grown in a five-inch pot at thirty cents each, for in the case of the larger plants, results are obtained at once, while with smaller plants half the season is over before any bloom can be obtained.

SIX CHRYSANTHEMUMS

— AS —

SHOWN IN COLORED PLATE.

The widespread interest now taken in this beautiful class of plants is perhaps second only to the rose. Their easy culture and freedom from insects and disease commend them to the most inexperienced cultivators, while the varied and gorgeous colors and fantastic shapes of many of the varieties make them the fashionable flower of autumn. From the hundreds of varieties which we grow, we have selected the six varieties shown in the colored plate, and present them as the most distinct, combining richness of color, profusion of bloom, and general excellence in all respects. The varieties in colored plate are shown only in half their natural size. All Chrysanthemums are hardy in the latitude of New York, and a covering of 4 or 5 inches of dry leaves or litter around the roots will enable them to stand the winter in almost every State in the Union.

Price for the six varieties as shown in colored plate, 60 cts. each, or \$3.00 for set of six.

NEW CHRYSANTHEMUMS—Semi-Double.

The following varieties raised by Mr. John Thorpe are unique, beautiful and distinct; no collection is complete without them.

- America.** An immense flower, petals long and somewhat twisted, opening blush and maturing pure white; early.
- Dr. Hogg.** Petals broad and smooth, rich velvety crimson, in about 3 rows, flowers on long foot-stalks.
- Harriett Thorpe.** Opening at first light blush with very deeply lacinated petals, in 3 or 4 rows, conspicuous yellow disc maturing pure white and incurving so as to form complete globes; beautiful; late.
- James Y. Murkland.** Petals purest snowy white; very long, much reflexed on the outer edges, inner petals arranged in irregular shapes, resembling the wavy-like curls as found in the most beautiful ostrich plumes; superb.
- John W. Chambers.** Flowers very large, of 4 to 6 inches in diameter, of the purest golden yellow; late, fine single.
- Mrs. Gubbins.** Very large, creamy white, much twisted, fine habit, large yellow disc; very handsome.
- Mrs. C. L. Allen.** Handsome plant with bold flowers, deep rose, with pure white ring around yellow disc; fine.
- Mrs. S. Lyon.** Immense flowers; white, with creamy shade at base; peculiar and effective.
- Peter Henderson.** Very fine flowers, 4½ inches in diameter, pure lemon-yellow; fine habit, early, first-rate.
- President Arthur.** Outer rays most intense crimson; bright golden-yellow ring around disc, flowers large.
- Pyrethrum.** Light pink, shaded lavender, with white ring around a large yellow disc, in dense compact heads.
- Septimus Lyon.** Flowers 7 inches in diameter, opening in a broad flat even head without showing the disc; the petals are of a pure golden-yellow on the upper surface, lower surface of peculiar apricot-red.
- W. A. Harris.** Flowers very large, single, in fine dense heads of the finest effect; petals lined with deep bronze, on a pure golden-yellow ground; novel and distinct.
- W. Falconer.** Flowers immense, of a deep red-pink, of the brilliant soft red effect as seen in the *Rose Bon Silene*.
- Zephyr.** A most distinct variety, nearly double, with roundly twisted petals of a delicate straw or cream color, curved so as to form distinct filament-like surfaces; disc large, bright gold color; a remarkable variety.

Price, 35 cents, or the set of 15 varieties for \$4.50.

NEW DOUBLE VARIETIES.

- Annie Thorpe.** Opening blush at first, rather flat, afterwards forming complete round snowy white balls.
- Bonnie Rose.** Deep rose on upper surface; under surface bright silvery pink, forming complete globular-like flowers.
- Julius Scharff.** On first opening very large, flat and smooth, of the richest violet amaranth, lasting a long time.
- King of Primroses.** Petals broad at base, running to narrow point, upper surface primrose-yellow, faintly striped.
- Mrs. S. A. Nutt.** Blush, very large petals, much curved, and arranged in whorls, reflexing from centre.
- Mrs. W. Barr.** Rich silvery pink of the purest shade; on first opening quite smooth and flat, and afterwards forming into large, loose globular flowers four inches in diameter; early.
- Perfection.** Petals ribbon-like; incurving toward the centre; pink, white and lavender; 7 inches across.
- Pocahontas.** Very large, pure white, with a golden centre.
- Mrs. N. Hallock.** Of the Chinese type; very large and snow-white.
- Mr. N. Hallock.** Medium size; delicate silvery blush; fine.

35 cents each; set 10 for \$3.00.

Full set of 31 new varieties, including the 6 shown in colored plate, for \$9.00.

The plants came to hand in splendid condition, and fine stock too. You have our sincere thanks for liberal dealing.
I. H. ARNOLD'S SONS, Benton Centre, Yates Co., N. Y.

SIX FINEST

CHRYSANTHEMUMS

LADY SLADE

BARABA

LA NEIGE

NATURAL
HALF
SIZE

MONS CHAS. HUBER

JUVENA

CITE DES FLEURS

PETER HENDERSON

35 & 37 CORTLANDT STREET
NEW YORK

OFFERED
BY

NEW DOUBLE ANTIRRHINUMS.

The single varieties are valued for their showy appearance in the summer months. These new double varieties are equally attractive in color and profuseness of flower; and, being double, are more useful for bouquets, having nearly the substance and size of a Carnation. **Alpha**—bright canary yellow, streaked with maroon. **Omega**—dark rich crimson, tipped with gold.

50c. each; \$4.50 per dozen. The two varieties for 75c.

**NEW AGERATUM,
"White Cap."**

In this we have a variety with the same strong, compact habit as the blue bedding varieties, with flowers of purest white. All white Ageratums heretofore have been of little value, from their straggling style of growth.

30c. each; \$3.00 per dozen.

**NEW AGERATUM,
"Cope's Gem."**

Deep rich porcelain blue, growing only nine or ten inches in height, making a most suitable plant for a front line of blue, or for massing in beds.

Price 30 cts. each; \$3.00 per doz.

The two new Ageratums for 50 cents.

Copyright by Peter Henderson & Co., 1884.
ARECA SAPIDA.

ARECA SAPIDA.

One of the most beautiful dwarf palms in cultivation, of hardy constitution, enduring full exposure to the sun without injury. As a centre plant for a vase or hanging basket it gives a most graceful effect. Our stock is in splendid condition, and prices very low. (See cut.)

1st size, \$1.50 each; \$15.00 per dozen.

2d " 1.00 " 9.00 "

3d " .75 " 7.50 "

Received plants in good order. Thanks.

ASPARAGUS TENUISSIMUS.

We cannot praise too highly this beautiful new greenhouse plant. Its fine filmy foliage surpasses in delicate beauty the Maidenhair Ferns. The stems or fronds stand without wilting for a long time after being cut, which will render it most valuable in fine cut-flower work. If so desired, it can be grown like Smilax, or the "Climbing Fern."

1st size, \$1.00 each.

2d " .50 "

NEW DOUBLE SCARLET BOUVARDIA, "THOS. MEEHAN."

**NEW DOUBLE BOUVARDIA,
"Thomas Meehan."**

The value of the double varieties is now established. In this variety we have perfectly double flowers of rich orange scarlet color, that are produced as freely as in the single sorts. A valuable novelty.

50c. each; \$4.50 per dozen.

NEW BOUVARDIA VULCAN.

A most valuable addition to our winter blooming plants.

In size of truss and free flowering qualities it resembles the old Bouvardia Elegans, while its color is a dazzling shade of crimson scarlet. All who saw it for the first in our greenhouses last fall considered it a great acquisition.

50c. each; \$4.50 per dozen.

BESSERA ELEGANS.

A most beautiful bulb, native of Mexico. It sends up slender stalks about one foot high, terminated with scarlet flowers striped with yellow. Blooming in the open ground in September and October.

30c. each; \$3.00 per dozen.

STEPHEN G. MARCOU, Prescott, Arizona.

Copyright by Peter Henderson & Co., 1884.

BEGONIA METALICA.

This elegant variety has very large glossy leaves shaded with green, crimson and olive, with a peculiar metallic lustre over all. Flowers large; dark pink in color. The cut gives a good idea of its habit, but no engraving or description can portray its beautiful appearance.

75 cts. each; \$7.50 per dozen.

NEW COLEUS, "FIREBRAND."

Although the many new Coleus which have been sent out in the last few years have shown the most gorgeous colors under glass, yet few of them have proved of real value as bedding varieties. The "Firebrand" originated with Messrs. R. Veitch & Sons, New Haven, Conn., and has all the elements of a grand bedding Coleus. Robust, but not coarse habit, short jointed and always high colored, it is the only rival that Verschaffelt has ever had—from which, however, it is entirely distinct. Color dark crimson, shaded garnet color.

50 cts. each; \$4.50 per dozen.

NEW COLEUS,

"Yellow Bird."

A great acquisition, which bids fair to eclipse the celebrated "Golden Bedder." It is of stronger constitution, and a lighter shade of canary yellow, retaining its color in hottest weather

50 cts. each; \$4.50 per dozen.

SET OF NEW COLEUS.

(1885.)

Our efforts in getting together superb new Coleus each season, has been attended with marked success, the greater part of the fine varieties now in general cultivation having been raised by us. Most of the splendid sorts below named show stronger constitution than is usual in such high colored varieties:

Amazon. Centre, cream color; bordered green.

Bizarre. Violet purple, speckled bronze and green.

Contrast. Fine bedding variety—yellow, blotched maroon in centre.

Fireman. Centre, bright carmine crimson, edged green.

Firebrand. (See special description.) 50 cts.

Gleam. Crimson maroon, flamed in centre with bright carmine.

Julia. Centre, creamy white, bordered dark yellow; serrated edge.

Midget. Dwarf habit; garnet crimson, edged yellow.

Puck. Curiously cut foliage; all shades of bronze, pink and yellow. Raised by Veitch & Son.

Valiant. Violet maroon, shaded carmine; serrated border.

Yellow Bird. (See special description.) 50 cts.

Mongolian. Greenish yellow, blotched white.

30 cts. each, except where noted; set of 12 for \$3.00.

CARNATION, "GARFIELD."

NEW CARNATIONS.

Garfield. Bright crimson scarlet. (See cut.)

Lydia. Yellow, flecked and shaded orange.

Philadelphia. Bright scarlet; fine.

Snowball. Pure white; finest of its color; fragrant. (See cut.)

Seawan. (See special description.)

Buttercup. (See special description.) \$1.00.

Kaiser William. (See special description.)

Large plants, 50c. each; \$4.50 per dozen, except where noted.

Set of seven for \$3.50.

Small plants ready March 1st at half above prices.

The plants came in excellent condition, and are satisfactory in every particular. Thanks for liberality.

JOHN A. SALZER, La Crosse, Wis.

CARNATION, "BUTTERCUP."

NEW YELLOW CARNATION, "Buttercup."

This fine novelty is the nearest approach to a pure yellow that we have ever had in Carnations. The flowers are immense in size, rich yellow in color, and only slightly flecked with crimson. It is a fine grower and profuse bloomer. (See cut.)

1st size, \$1.00 each; \$10.50 per doz.

2d " .50 " 4.50 "

NEW CARNATION, SNOWBALL.

A new variety. Flowers of the purest white and very large, habit good, and of very healthy, vigorous constitution. (See cut.)

50 cts. each; \$4.50 per doz.

NEW CARNATION, SEAWAN.

Our experience with this variety last winter shows that it is destined to become a standard sort. The flowers are large in size, and a most brilliant crimson maroon color, with exquisite clove fragrance. It is free flowering, and it is remarkable for its strong, healthy constitution.

50 cts. each; \$4.50 per dozen.

NEW CARNATION,

"Kaiser William."

A very promising forcing variety. The flowers are of most perfect circular form, elegantly fringed and of a beautiful violet purple color shaded crimson.

50 cts. each; \$4.50 per dozen.

SHRUBBY CALCEOLARIA,

"Shower of Gold."

This, like all the Shrubby Calceolarias, is ever-blooming. The variety above is of strong, vigorous habit, and is the only variety we have had that withstands our hot summers. In partial shade the past season it bloomed in profusion. It will be a great acquisition in ribbon line planting, where a line of clear yellow has long been wanted.

30 cts. each; \$3.00 per doz.

NEW SHRUBBY CALCEOLARIA,

"Creole Queen."

A splendid companion to the "Shower of Gold;" the same in general characteristics, but with brownish maroon colored flowers.

30 cts. each; \$3.00 per dozen. The two for 50 cts.

DAISY, "CRIMSON BUTTON."

NEW HARDY DAISY,

"Crimson Button."

We cannot praise too highly this pretty little spring-blooming plant. It forms a compact mass of bloom, each flower being the size of a twenty-five cent piece, perfectly double, and of a rich dark crimson color. (See cut.)

30 cts. each; \$3.00 per doz.

NEW CORAL PLANT.

NEW CORAL PLANT,**Erythrina Hendersonii.**

The great beauty of this plant cannot be told by a description. If set out in the open ground in spring, it blooms without intermission all summer. The flowers are large and brilliant, dark crimson in color, and fairly cover the plant when in full bloom. The old "Coral Plant," *Erythrina C. Galli*, only flowers well when two or three years old, but this acquisition is grand the first season. (See cut.) 50 cts. each; \$4.50 per doz.

EUCHARIS CANDIDA,**New "Amazon Lily."**

The old variety, *E. "Amazonica,"* has always proved an uncertain plant to bloom, but this new variety produces its flowers with the greatest freedom, and though a little smaller is equally beautiful. Its free-flowering tendencies will be appreciated by florists, as its pure white, wax-like blooms often wholesale for \$15.00 to \$25.00 per 100 in the winter season.

1st size, \$1.00 each; \$9.00 per doz.

2d " .75 " 7.50 "

3d " .50 " 4.50 "

NEW DWARF FEVERFEW, "Little Gem."

The great value of the old Dwarf Feverfew for cut flowers during the summer, fall and winter, is well known to florists and others. This variety which we sent out last year surpasses it in every way. It is very dwarf, attaining a height only of from twelve to eighteen inches. The flowers are larger, of more perfect form, and of the purest white. 30 cts. each; \$3.00 per doz.

Plants arrived in splendid condition. Your liberality astonishes me.

CANNA EHEMANI.

Entirely distinct from all other Cannas, its rich green tropical foliage resembling the *Musa* or *Banana*. Its greatest merit, however, lies in the flowers, which are three inches long and two inches wide, of a glowing crimson color. They are produced in masses on the summit of whip-like stalks, single plants having seven or eight stalks, with 25 or 30 flowers on each. After flowering in summer the roots can be lifted and will bloom all winter in the house.

50 cts. each; \$4.50 per dozen.

ERYNGIUM PANDANAFOLIA.

A beautiful ornamental leaved plant resembling some of the *Dracenas* or *Screw Pines*, but as it is of quick growth and easy propagation, it is sold much cheaper. It produces beautiful blue and purple flowers during the summer and fall months. It makes an excellent room plant, and is also well suited for centres of vases, baskets, etc. It can also be easily grown to an excellent plant for exhibition purposes.

Price, 25 cts., 50 cts. and \$1.00 each, according to size.

NEW FEVERFEW, "LITTLE GEM."

EMMA HONCK, Frederick, Md.

TYPE OF DOUBLE FUCHSIA.

NEW FUCHSIAS.

To the florist who grows for market, or the amateur who has a few plants, fuchsias are always of interest. The set of this year is particularly fine, being very distinct and a great improvement on the older sorts.

Depute Berlet. Very large and double violet corolla; red tubes and sepals.

Jos. Rosain. Double violet corolla striped scarlet; scarlet tube and sepals.

Le Negre. Blackish crimson corolla; sepals coral.

Nellie Martin. Distinct and beautiful; sepals coral color; corolla double, pure white and *elegantly fringed*.

Mrs. Geo. Rundle. Something in the style of old Speciosa, but larger and better; sepals white; corolla salmon; single.

Md. Van der Strass. Extra fine double white corolla; deep scarlet sepals.

Penduliflora. Rich crimson trumpet shaped flowers, shaded maroon; a winter bloomer.

Pepin. Violet, pink, single.

40 cts. each; set 8 sorts for \$3.00.

SET NEW DOUBLE GERANIUMS.

The following collection embraces the very finest of the new imported and American raised varieties. The brilliant shades of some of these new Geraniums is a revelation to such as have not seen them.

B. K. Bliss. The individual flowers are two inches in diameter, of good shape, trusses large, color a rich scarlet.

Foxhunter. Rich, deep crimson scarlet, large individual flowers and trusses; one of the very best for bedding.

George Thorpe. The color is of the most intense light crimson; the habit is branching and the foliage never burns; a grand variety.

Hoff. Beach. Rich amaranth purple, of fine habit and robust constitution, the foliage wearing well in the hottest weather.

Miss McMurray. An immense flower of fine shape; color a rich warm salmon, with lighter margins; large, bold trusses of a sturdy habit; distinct and fine.

Mrs. Cope. Rich carmine red, of large size and immense trusses; the habit is all that can be desired and a really fine bedder.

Phallas. A rich apricot orange, most vivid in coloring; trusses very large; habit neat and free; a fine and distinct bedding variety.

Queen of the Fairies. A bi-color variety of the most perfect shape, rich flesh color, mottled with pearly white.

The plants came this day in very good order. Accept thanks for "extras."

Sunlight. A most intensely fiery salmon color, shaded orange; of very free growth, with large and bold trusses; a valuable and distinct bedding variety.

Falcon de Neige. Pure white shaded pink; very large.

Gen. Ballot. Beautiful violet crimson.

Gen. Campenon. Intense dark scarlet.

Gen. Saussier. Shaded salmon and cherry; large.

Paul St. Victor. Cherry pink; a superb shade; extra fine.

Garnet (see special description), 75 cts.

30 cts. each; set 15 for \$3.50.

NEW DOUBLE GERANIUM,**"Garnet."**

A peculiarly rich shade of crimson scarlet. The trusses are very large and stand a long time without fading, making it a most valuable pot plant. It is also a grand bedding variety.

75 cts. each; \$7.50 per doz.

NEW SINGLE SCARLET GERANIUM,**"Seminole."**

A great acquisition in bedding Geraniums. The trusses are very large and perfect, not dropping in the centre, as many varieties do. Color, vivid scarlet with a white eye. Habit of plant, dwarf, but very vigorous.

75 cts. each; \$7.50 per doz.

NEW SINGLE PINK GERANIUM,**"King Olga."**

Undoubtedly the finest single bedding Geranium that has been sent out in years. It will entirely displace Master Christine, as it surpasses that fine old sort in every respect. The petals are brilliant deep pink, white at the base. The trusses are very large and perfect, and it is the freest-flowering variety of its color. Its strong growth and other good points make it invaluable.

30 cts. each; \$3.00 per doz.

MD. SOLLEROL.

NEW SILVER GERANIUM,**"Md. Sollerol."**

This is the greatest acquisition in variegated Geraniums, for bedding purposes, that has been introduced since the old "Mountain of Snow." It is entirely distinct from that class, however, as it partakes to some extent of the character of the Ivy-leaved section. It makes a round, pretty plant, about one foot high and wide. Foliage bright green, edged pure white. (See cut.)

30 cts. each; \$3.00 per dozen.

MRS. J. M. PERRY, Liberty, Mo.

CLIMBING HYDRANGEA, as it bloomed in Staten Island.

This beautiful climbing plant, which was first offered by us several years ago, is destined to take a front rank in popular favor. It is perfectly hardy, and grows rapidly when well established. It succeeds best if planted at the base of a large tree, up which it climbs, clinging to the bark like English Ivy. The engraving was taken from a specimen on the grounds of L. H. Meyer, Esq., Staten Island, New York. The plant in question was a gorgeous sight, and attracted widespread interest and admiration when in full bloom. The flowers are pure white and much larger than shown in engraving.

75 cts. each; \$7.50 per doz.

NEW HELIOTROPE, "King of Night."

This superb new variety is the darkest of Heliotropes. It makes large compact trusses of wonderful dark royal purple, almost black, dotted in the centre with a light eye. Add to this its exquisite fragrance and we have the ideal Heliotrope.

60 cts. each; \$6.00 per doz.

HELIOTROPE, "Purple and Gold."

An entirely new style. Foliage golden yellow; flowers large purple, making a beautiful contrast with the leaves, hence the name "Purple and Gold;" in fragrance and profusion of flowers it is in both respects equal to the best old sorts.

30 cts. each; \$3.00 per doz.

HELIOTROPE, "Swanley Giant."

In this we have an entirely new color, the first shade of red yet obtained in the Heliotrope, the color being what might be

termed a carmine rose. The size of the truss is immense, often measuring 10 inches in diameter, and of the most exquisite fragrance.

30 cts. each; \$3.00 per doz.; the 3 sorts for \$1.00.

HELIANTHUS MULTIFLORUS, FL. PL.

A double perennial "Sunflower" is a great addition to our hardy herbaceous plants. Its dark golden yellow color is both fashionable and beautiful for cut flowers; and planted singly or in clumps on the lawn it gives a splendid effect.

50 cts. each; \$4.50 per doz.

NEW BOUVARDIA BRUNETTII.

A rich shade of light creamy blush, in all respects similar to the single white variety B. Davidsonii, but an entirely new color: exceedingly rich for cut flower work.

Price, 75 cts. each; \$6.00 per doz.

NEW DWARF HOLLYHOCK, "CRIMSON PYRAMID."

NEW DWARF HOLLYHOCK, "Crimson Pyramid."

Grows to a height of from twelve to eighteen inches, completely covered from base to summit with semi-double flowers of the richest shade of scarlet crimson, flowering from June to September. (See *cut.*)

Extra strong flowering plants, \$1.00 each; \$10.50 per doz.
Smaller " " .50 " 4.50 "

IMPATIENS SULTANA, Perennial Balsam.

This beautiful novelty, offered for the first time last season in small quantities, gave the greatest satisfaction. For table or house decoration or for bedding purposes it is magnificent. It is always in bloom, and is a perfect mass of glistening rose scarlet flowers. It is one of the very best winter flowering plants, and is of the easiest culture.

25 cts. each; \$2.25 per doz.

JAPAN MAPLES.

These beautiful hardy plants are now attracting wide attention. Their curiously cut leaves show all the gorgeous coloring of "autumn foliage" throughout the summer. They grow from six to fifteen feet in height, and are magnificent for a lawn. We offer eight distinct varieties—strong pot-grown plants.

\$1.50 each; set eight for \$10.00.

JAPAN PERSIMMONS.

Not quite hardy here, but do finely in most of the Southern States. The fruit is very large, somewhat resembling the Nectarine in its exquisite flavor.

\$1.50 each; six varieties for \$8.00.

Copyright by Peter Henderson & Co., 1884.

PHORMIUM TENAX, New Zealand Flax.

A most ornamental plant for the centre of a vase or stand, or for centre for groups on the lawn, its tough hardy foliage enabling it to withstand wind and sun without injury. 50 cts., 75 cts., \$1.00 and \$2.00 each, according to size. (See *cut.*)

We have also a few large specimens of the variegated variety. Price, large plants, \$5.00 to \$10.00 each.

NICANDRA PHYSALOIDES.

A neat growing bushy plant attaining a height of two or three feet, with rich porcelain blue flowers, two inches in length. It blooms from June to October, or if raised from seeds or cuttings late in the season it makes an excellent winter flowering plant. Blue is the scarcest of all colors in flowers, and on this account the Nicandra is particularly valuable.

Price, 50 cts. each; \$4.50 per dozen.

SET NEW DOUBLE PETUNIAS.

Appreciating the great interest taken by both florists and amateurs in Double Petunias, we have, during the last few years, devoted much attention to the raising of new varieties. The thousands which we sell each season invariably please, and we feel sure that the set of 1885 will give the highest satisfaction.

Breaker. Light crimson, spotted white.

Duplex. Rich carmine purple, marbled white.

Excelsior. Dark maroon, blotched white, fringed.

Flag. Red, white and purple, extra fine.

Fleece. Pure white tinted flesh color.

Fringe. Purplish lilac, elegantly serrated and fringed.

Madison. Reddish purple, finely fringed.

Marginata. Purplish carmine, edged white.

Peacock. Splashed carmine, rose and white; magnificent.

Ruffle. Lilac maroon, immense size.

Splash. Dark cherry color, fringed white.

Waverly. Pink shaded lilac, tipped white.

75 cts. each; set 12 for \$7.50.

Copyright by Peter Henderson & Co., 1884.

NEW WHITE PINK, "SNOW."

NEW WHITE FORCING PINK,

"Snow." (Mrs. Sinkins.)

A most excellent novelty, particularly valuable for forcing for cut flowers in winter. Specially suited for the Easter Holidays, as it forms a perfect mass of snow white flowers, whether grown in pots or in benches. It is entirely distinct from and infinitely superior to the old White Scotch Pink, being nearly double the size and of the most exquisite clove fragrance. It is a true Florist Pink and consequently is entirely hardy, *thus* making it a valuable plant, either for flower garden or for cemetery purposes. The cut gives an exact representation of it.

Large Flowering Stock Plants, 75 cts. each; \$7.50 per doz.

Small " " 30 " " 3.00 "

NEW DOUBLE WHITE VIOLET,

"Swanley White."

In this we have that great desideratum, a pure white Violet, which is never tinged with pink or purple under any conditions. It will be equally valuable as the purple variety "Marie Louise" (from which it is a sport) for forcing, as its flowers are the same size and are as freely produced as in that variety. Exquisitely fragrant. The Swanley White will be a novel feature in bridal bouquets and other fine floral work. The flowers sold last winter at four times the price of the blue.

50 cts. each; \$4.50 per doz.

On all orders for plants received and shipped before April 1st we will give a discount of ten per cent.

SET OF NEW VERBENAS.

(1885.)

We have always been identified with the cultivation of Verbenas, it having been one of our specialties for many years. We can say without egotism that most of the fine varieties now grown originated with us. The set of this year is particularly fine, comprising most distinct and brilliant colors:

America. (See special description—new last year.)

Admiral Courbet. Rich plum color; fine market sort.

David Garrick. Royal purple; magnificent.

El Mahdi. Dark purple; white eye; strong grower.

John Thorpe. Rosy scarlet; large truss; splendid.

Linda. Cherry color; large white eye.

Marco. Dark pink; immense white eye.

Rienzi. One clear color; a dazzling scarlet.

Raphael. Blackish crimson, with pure white eye; very distinct.

Scarlet Bedder. Rich orange scarlet; very fine.

Terrapin. Orange; crimson maroon centre.

Wabash. Dazzling scarlet; large white eye.

Silver Star. The finest white.

30 cts. each; set 13 for \$3.00.

NEW BEDDING TROPEOLUM,

"Volcano."

Of dwarf, compact habit, attaining a height of only nine inches with us last season. Color, very dark vivid scarlet. One mass of bloom throughout the summer.

30 cts. each; \$3.00 per doz.

SALVIA—"Mrs. Edward Mitchell."

A new seedling variety, raised by I. H. Slocum, gardener to the Hon. Chas. Mitchell, New Haven, Conn. It is a distinct crimson purple color, having the habit of the old Scarlet Variety (Splendens) and is a decided acquisition.

Price, 50 cts. each; \$4.50 per dozen.

SALVIA—"Greggi."

A most beautiful variety, very free flowering. The flowers are rather small, but are a most brilliant cherry color; very desirable.

50 cts. each; \$4.50 per dozen.

STREPTOSOLEN JAMESONI.

The flowers are lobed, nearly one inch in diameter, opening bright orange, changing to a rich, dark cinnabar red. Blooming in the greatest profusion from March to July. As it requires but little heat, it can be grown very successfully as a house plant.

25 cts. each; \$2.25 per dozen.

TIGRIDIA GRANDIFLORA

ALBA.

Its flowers are large, of a dead, or pearly white color, marked at the base of each division with large spots of reddish brown or chestnut color on a yellowish ground, forming a fine contrast with the white of the petals. This is a grand acquisition to our summer borders, and a grand companion to the already known and admired varieties of this family. 35 cts. each.

OTHER VARIETIES.

Conchiflora. With deep colored flowers; a lovely variety.

Grandiflora. Deep crimson scarlet, of the largest size.

10 cts. each; set three for 50 cts.

NEW VERBENA, "AMERICA."

NEW VERBENA,

"America."

Among the thousands of seedling Verbenas that we have raised in the past twenty years, we have never produced one that equals this. The individual florets are larger than those of any variety of its color, being one inch in diameter. The trusses are $3\frac{1}{2}$ inches across and of perfect form. The color is a striking shade of crimson scarlet with an immense white eye. It was pronounced by those who purchased it last year to be the finest Verbena ever yet produced. The engraving gives but an indifferent idea of its grand appearance.

30 cts. each; \$3.00 per doz.

WISTARIA SINENSIS ALBA.

Flowers borne in long, drooping clusters, as in the blue variety; pure white in color, making a most striking and elegant contrast. We offer plants such as can scarcely be found elsewhere. They average from 4 to 10 feet in length.

50 cts., \$1.00 and \$2.00 each, according to size.

"Your Verbena 'America' is a marvel. It astonishes every one."—A. J. PLIMPTON, Hornellsville, N. Y.

ROSES! ROSES!!

The steadily growing taste and demand for fine Roses induces us to devote more space in our green-houses than ever before to their cultivation, our area now being equal to that of any other firm in the United States.

WHAT WE CLAIM.—We claim that we send larger and finer Roses for less money than any other firm in the business. Our smallest size is larger than the plants sent out by the mailing trade throughout the country, and our cold system of growing stock makes them infinitely better.

SIZES.—We are the only extensive rose growers who offer Roses in *different* sizes. This gives purchasers the opportunity of procuring a plant of large size which will make a show at once, or smaller plants at prices which place them within the reach of all.

HOW WE GROW OUR ROSES.—Nearly all florists and rose growers in this country propagate their entire stock in September and October. This compels them to force them along all winter so as to get them of sufficient size to sell in the spring. The effect of this forcing is shown when they are planted out in the spring, by a feeble, sickly growth or total loss. We propagate our Roses in June, July or August, which enables us to grow them to a good size by fall, when we store them away in *cold* green-houses until sold in spring. Roses thus treated have their natural season of "rest," and invariably do well when set out. The cold houses in which we "rest" our Roses, are the narrow ones shown at the right of engraving on outside page of cover.

A GREAT ADVANTAGE.—New York florists have a great advantage over others located elsewhere, because the facilities for the importation of novelties at this point are unequalled, and it is an *acknowledged fact*, that the rose growing and general florist business is done on a larger scale and with greater perfection around New York than in any other locality in the United States. Being the great centre of wealth of the country, its exacting taste demands *only the choicest*, grown to the greatest perfection.

INSTRUCTIONS IN CULTURE.—It is impossible in the limited space of a catalogue to give full instructions in the cultivation of Roses and other plants. To such as desire such information we would refer them to Mr. Henderson's books, a detail of which will be found in the first pages of this catalogue.

CAMOENS.

NEW HYBRID TEA, "Camoens."

One of the most distinct and beautiful Roses. The flowers are large, sweetly fragrant and a peculiar rich salmon color, shaded with silvery pink. It is a very free bloomer and from its strong healthy growth is sure to give satisfaction. (*See cut.*)

1st size, 50 cts. each; \$4.50 per doz.
2d " 30 " " 3.00 "

SET NEW TEA ROSES.

An elegant selection, comprising the cream of the new Tea Roses.

Edith Gifford. Ivory white, tinted with flesh color; large pointed buds.

Md. Cusin. Rosy purple, base of petals white; valuable for winter forcing.

Princess of Wales. Yellow, shaded with carmine and crimson

Souv. de St. Pierre. Bright purplish crimson; flowers in clusters.

Jean Abel. Soft rosy crimson, edged with golden yellow.

L'Elegant. Medium size; color carmine; shaded crimson, penciled with white.

Md. Remond. Sulphur yellow, margined with red; large, full and fragrant.

Comtesse de Caserta. Large and full; color dark purplish crimson, streaked with coppery yellow.

Jean Pernet. A lovely Rose with long pointed buds; color sulphur yellow; deep saffron centre.

Andre Schwartz. Dark bright crimson. The best Tea Rose of its color for bedding.

Md. C. Guinnessean. A most promising new variety; color dark golden yellow; fine form and fragrance.

Sunset. (*See special description and prices, p. 99.*)

1st size, \$1.00 each; Set 12 for \$9.00.

2d " .75 " " " " 7.50.

3d " .50 " " " " 4.50.

"Sunset" came safely yesterday. Much obliged for such nice plants.

CRAIG & BRO., Philadelphia, Pa.

NEW TEA ROSE SUNSET. (About half natural size.)

NEW TEA ROSE "SUNSET."

This magnificent Rose, which was first sent out by us last year, has more than equaled our expectations. It has held its splendid coloring, and has excelled the parent variety (*Perle des Jardins*) not only in vigor of growth, but far exceeds it in its delightful tea fragrance. Its color is the richest shade of saffron and orange, blended and shaded so as to somewhat resemble some of the tints of *Sunset*—hence the name. Another singular and valuable peculiarity of this Rose is that the young foliage is of a deep crimson tint, and that, when in contrast with the rich shade of saffron orange of the flowers, adds much to its beauty. Any one who has seen the rich tints of the old *Safrano* rosebuds, when grown out of doors, can form some conception of what the *Sunset* must be, which is perfectly double, of fine form, richer colored and twice the size of *Safrano*. *Sunset*, from its being full and double, gives excellent buds even in the hottest weather, when semi-double Roses, such as *Safrano*, *Bon Silene*, etc., are nearly worthless. We have sold upwards of 20,000 plants of it since January 1st, 1884, which is undoubtedly a greater number than has ever been sold of any new Rose here in the same length of time. On June 24th, 1884, the *Sunset* Rose was exhibited in London before the *Royal Horticultural Society of England*, and by it awarded a *First-class certificate*, the highest honor from the most critical tribunal in Europe. It is one of the most healthy and vigorous growing Roses, and has given greater satisfaction than any plant we have ever sent out.

2½ in.	pots,	25 cts. each,	\$2.25 per doz.	
3 "	"	50 "	"	4.50 "
4 "	"	75 "	"	7.50 "
5 "	"	1.00 "	"	9.00 "
6 "	"	1.50 "	"	15.00 "
7 "	"	2.00 "	"	20.00 "
				15 inches high.
				20 inches high.
				30 inches high.

"I received the 'Sunset' Roses in fine condition. Your mode of packing is the 'model of perfection.' Quality fully up to my expectations." W. K. HARRIS, Philadelphia, Pa.
(Mr. Harris is one of the parties who purchased one thousand plants of "Sunset" on January 1st, 1884.)

HYBRID TEA ROSE, "LA FRANCE."

HYBRID TEA ROSE, "La France."

We have a very large and fine stock of this superb Rose, which every year becomes more popular; flowers large and beautiful either in the bud form or when expanded; peach color, shaded pink and silvery rose. (See cut.)

Extra size, \$1.00 each; \$10.00 per doz.

1st size, 60 cts. each; \$6.00 per doz.

2d " 30 " " 3.00 "

3d " 20 " " 2.00 "

NEW CLASS OF ROSES,— "Hybrid Tea."

The introduction of this new section of Roses has created a great interest and marks a new era in the history of the Rose. As the name indicates, these varieties are obtained by crossing the Tea or ever-blooming varieties with the Hybrid Perpetuals. The results of this hybridization are a race of Roses which combine, to a great extent, the free-flowering qualities of the Teas with the richer colors, larger size, and exquisite fragrance of the Hybrid Perpetuals. All are hardy in the latitude of New York.

Beauty of Stapleford. Light pink, deep rosy centre.

Duchess of Westminster. Color bright cerise pink; large, full and fragrant.

Duke of Connaught. Dark rich crimson; immense size.

Jean Sisley. Bright pink shaded rosy lilac; very distinct.

Nancy Lee. Dark silvery rose color; exquisite fragrance; very free flowering.

Michael Saunders. Flowers very large and of fine form; bronzy pink; fragrant.

Pearl. Light flesh color; fine shape.

Viscountess Palmouth. Pink and rose color.

Md. Etienne Levet. Vivid crimson; very profuse and fragrant.

La France. Salmon shaded rose color.

Pierre Guillot. (See special description.)

Camoens. (See special description.)

Brigitte Levet. Deep carmine; fine.

Lady Mary Fitzwilliam. Full globular flowers of a delicate flesh color; fragrant. 75 cts. and \$1.00.

Countess of Pembroke. Probably the best of Bennett's new set. Large pointed buds, deep carmine pink color; exquisite fragrance. 75 cts. and \$1.00.

Distinction. A novel and distinct variety; color pink, shaded reddish amber. 75 cts. and \$1.00.

30 cts. each; \$3.00 per doz., except where noted. Set 16 for \$4.50.

EXTRA SIZE.

50 cts. each; \$4.50 per doz., except where noted. Set 16 for \$7.50.

Where the full set is taken we will add a plant of the New Rose "Sunset" gratis.

RED MALMAISON.

RED MALMAISON.

A new variety of great promise. It resembles the flesh colored variety in growth and foliage, but the flowers are more globular. It excels in brilliancy of color almost every known Rose, being a most dazzling shade of crimson scarlet.

1st size, \$1.50 each; \$15.00 per doz.

2d " .75 " 7.50 "

3d " .60 " 6.00 "

HYBRID TEA, "PIERRE GUILLOT."

HYBRID TEA, "Pierre Guillot."

This is perhaps the best of all the Hybrid Teas. It produces its large, beautiful buds on strong upright stems, and shows none of that weakness in the stem that detracts from some others of this class; color bright dark crimson, with rich Hybrid Perpetual fragrance; very profuse. (See cut.)

1st size, 50 cts. each; \$4.50 per doz.

2d " 30 " 3.00 "

POLYANTHA ROSE, "MIGNONETTE."

ROSE, "AMERICAN BANNER."

STRIPED TEA ROSE, "American Banner."

One of the most wonderful novelties, in our opinion, that has ever occurred among plants. Color bright carmine, striped and slashed with white. It ever remains constant in its striped character, as has been well proven. Poss of an exceedingly free blooming character, every shoot producing a bud whether planted in the open ground or grown for winter flowering.

1st size, 50 cts. each; \$4.50 per doz.
2d " 30 cts. " 3.00 "
3d " 20 cts. " 2.00 "

NEW YELLOW POLYANTHA ROSE, "Perle d'Or."

The red and white varieties are now so popular that this new acquisition will be very welcome; color saffron yellow, tinged with red. 75 cts. each; \$7.50 per doz.

POLYANTHA ROSE, "Mignonette."

This variety represents a class of Roses of much value for bedding purposes, as they form a mass of bloom. They are of a dwarf habit, and are continuously in flower during the entire season. The flowers are produced in clusters, and are unique and beautiful; dark pink, and about 1½ inches across. Single clusters of flowers produce from 25 to 100 buds. The Polyantha Roses are hardy in this latitude with slight protection. (See cut.)

1st size, 50 cts. each; \$4.50 per doz.
2d " 15 " " 1.50 "

POLYANTHA ROSE, Anne Marie Montravel.

Similar to the above, but with pure white flowers.
50 cts. each; \$4.50 per doz.

YELLOW TEA ROSE, "PERLE DES JARDINS."

YELLOW TEA ROSE, "Perle des Jardins."

No Rose of its color ever cultivated for cut flowers up to the present time is now so valuable as this. Tens of thousands of it, covering many acres in glass, are now grown in the vicinity of New York for winter flowering; it is equally valuable for summer, as it flowers continuously. Its color is a rich shade of yellow, large size and perfect form, tea fragrance, a healthy, free grower, and unequaled in profusion of bloom, either in the green-house in winter or in the open ground in summer. We grow 50,000 plants of this variety alone each season, and can supply for rosaries in quantity plants of all sizes at special rates. The cut represents two-thirds natural size. (See cut.) It is the prototype of the new Rose, "Sunset." (See page 99.)

1st size, \$1.00 each; \$9.00 per doz.
2d " .75 " 6.00 "
3d " .30 " 3.50 "
4th " .15 " 1.50 "

The Sunset Rose excels in richness of color, both in flower and foliage, your catalogue description. It is worth double the money paid for it.
A. R. BLAIR, York, Pa.

MARIE GUILLOT.

TEA ROSE, "Marie Guillot."

This takes the lead of all of its class as a white bedding Rose. The flowers are large, double and very fragrant, color pure paper white. Habit strong and very free flowering.

1st size, 50 cts. each;	\$4.50 per doz.
2d " 30 " "	3.00 "
3d " 15 " "	1.50 "

MARSHALL ROBERT.

TEA ROSE, "Marshall Robert."

A most valuable variety either for summer or winter blooming—color bright canary yellow, rose color in the centre. A double Rose, sweetly fragrant.

1st size, 50 cts. each;	\$4.50 per doz.
2d " 30 " "	3.00 "
3d " 15 " "	1.50 "

MERMET.

CATHERINE MERMET.

One of the most valued Tea Roses; color clear rosy pink; very large pointed buds. Full double and fragrant. A splendid rose for either summer or winter blooming. (See cut.)

1st size, 50 cts. each;	\$4.50 per doz.
2d " 30 " "	3.00 " "
3d " 20 " "	2.00 " "

ROSES, GENERAL COLLECTION.

TEA AND MONTHLY OR EVER-BLOOMING ROSES.

- Andre Schwartz.** Dark crimson, 50 cents.
Anna Oliver. Creamy blush, shaded with carmine; very large, full and fragrant.
American Banner. Striped crimson and white, 25 cents.
Alba Eosea. White tinged rose color, shaded blush; double and fragrant; very fine.
A. Christople. Very large, full and double; color apricot, tinged and shaded with soft rosy crimson.
Adam. Bright carmine pink, large and full. This variety is used considerably for winter forcing.
Aurora. Buds rather small and pointed; color silvery rose, shaded; most abundant bloomer.
Aline Sisley. Large pointed bud; rich fragrance; color an unusual shade of violet red, brightened with crimson maroon.
Bougere. Very large and double; color beautiful dark pink; sweet fragrance.
Bella. Pure white, once largely used for forcing, but has been superseded by Niphetos. It is, however, superior to that variety for summer flowering.
Bianqui. White, shaded flesh color; a distinct, beautiful Rose, full and fragrant.
Bon Silene. This splendid old variety still holds its own against many of the newer sorts. It is equally valuable for summer or winter blooming; average size and exquisite tea scent; color brilliant carmine.
Belle Allemande. Finely shaped, long pointed buds; full and fragrant; carmine and pink in color.
Anna M. Montravel. (See page 101.) 50 cents.
Bourbon Queen. A beautiful bedding summer rose; color clear satiny rose, shaded white.

ROSES, GENERAL COLLECTION.—Continued.

Bouquet de Marie. Deep rose, tinged silver. A strong, compact grower; an excellent hedging sort.

C. de Coserta. (See page 98.) 50 cents.

C. Koch. Light flesh color; very double; a vigorous grower and free bloomer.

Camoens. (See page 98 for description.) 30 cts.

Canary. Beautiful light yellow; profuse bloomer.

Catherine Mermet. One of the most fashionable Roses in New York last winter; color clear rosy pink; very large pointed buds; full, double and fragrant. (See cut, page 102.) 20 cents.

Cels. Pale rose color; good shaped buds; plant a clean, healthy grower.

Chas. Rovolli. One of our favorite varieties; color a beautiful carmine changing to silvery rose; base of petals clear yellow; an incessant bloomer, full and very fragrant.

Clement Nabonnand. Outer petals rosy lilac, inner ones golden yellow; free flowering and fragrant.

Comtesse Riza du Parc. A grand rose; vigorous; color bright coppery rose, shaded violet crimson.

Coquette de Lyon. Color clear canary yellow; delicious tea scent; flowers large and full; very free.

Cornelia Cook. Perhaps the finest white rose; flowers very large and double; pure white, with light lemon colored centre.

Devoniensis. No collection is complete without this superb variety; very full; a creamy white with pink centre.

Douglas. A true Bengal Rose, dark, rich crimson in color; buds of good shape; very free flowering.

Duc de Cayes. White shaded yellow; an old variety of considerable merit.

Duchess de Brabant. An old variety, blooming in clusters; unexcelled by anything of its color, which is a soft, rosy flesh tint; flowers glohular.

Duchess of Edinburgh. Intense dark crimson; very brilliant and beautiful; flowers large, fragrant, and produced freely.

Etoile de Lyon. Golden yellow.

Fairy Rose. Flowers carmine, the size of a dime; flowers very profusely, distinct and pretty.

Freres Soupert et Notting. Yellow tinged rose; full and fragrant.

Gen. de Tartas. A fine bedding Rose; brilliant carmine; shaded violet purple; double and fragrant.

Geo. Peabody. Splendid glowing crimson, changing to a scarlet shade; exquisite tea odor; medium sized buds of good form and substance.

Geubalt. Bright rose color tinted buff; tea fragrance.

Innocente Pirola. Flower white, large, full and double; finely shaped, long-pointed buds; valuable for either summer flowering or winter forcing.

Isabella Sprunt. Light canary yellow; largely used for winter blooming; buds medium size and good shape; very fragrant and free.

Jean Pernet. (See page 98.) 50 cents.

Jules Finger. Full and finely formed; color bright rosy scarlet, shaded with intense crimson; very fragrant, vigorous and free.

Lady Warrender. Pure white; profuse and fragrant.

La Chamoise. Very handsome in the bud; color bright coppery yellow.

La Jonquille. Dark canary yellow; very distinct.

La Nuancee. Fine salmon Rose, tinged copper color; sweet tea fragrance; very distinct.

La Pactole. A once favored forcing variety; it produces a great abundance of buds; color pale sulphur yellow; rich tea fragrance.

La Phoenix. Red, shaded crimson; free bloomer; flowers medium sized and double; delicious fragrance.

La Sylphide. Beautiful cream color, shaded rose; long pointed buds; a fine variety.

La Tulip. White, tinged rosy lilac; large and fragrant.

L'Elegant. (See page 98.) 50 cents.

Le Nankin. Apricot yellow; fragrant and of good form; very distinct in color.

Letty Coles. A grand summer Rose; color soft rosy pink, intense crimson in the centre, glohular.

Leveson Gower. Beautiful rosy salmon; fine form; sweet fragrance.

Louis Gigot. Pure white and double; flowers profusely all summer when bedded out.

Louis Richard. Finely shaped, large and full; color rich coppery rose, changing to buff, crimson centre.

Lucullus. Dark crimson maroon; flowers very large and double; excellent for out-door culture.

M. Roda. Splendid; buds large and double; of a beautiful yellow shade; gives a great profusion of buds and flowers when planted out.

Marie Sisley. A superior Rose; full and double, of true tea odor; exquisitely shaded with bright rose on a pale yellow ground.

Marie de Bau. Rich blush color, full and double.

Marie Ducher. Rich transparent salmon, with deeper colored centre; full, double, and sweet.

Marie Guillot. (See special description.) 15 cents.

Marshal Robert. Canary yellow; shaded rose. 15 cts.

Md. A. Imbert. Large, full-formed double bud; strong tea fragrance; color rosy buff with peach-colored shadings.

Md. Ched-Guinessean. (See page 98 for description.) 50 cts.

Md. Cusin. (See page 98 for description.) 50 cts.

Md. Remond. (See page 98.) 50 cents.

Melville. Bright pink, changing to silvery rose; good shaped buds, full and fragrant.

Mignonette. (See page 101.) 15 cts.

Miss Edith Gifford. (See page 98 for description.) 50 cts.

Mme. Barthelemy Levet. A free-blooming, strong-growing variety, bright canary-colored flowers.

Mme. Bravy. Rich cream color with pinkish centre; full pointed buds; scented.

Mme. Camille. A splendid Rose; immense double buds; delicate rosy flesh color, changing to salmon, suffused with carmine; fine tea fragrance.

Mme. Capucine. This is used to some extent as a fine winter-forcing variety; dark orange color, tinged apricot; a great bloomer, but weak grower.

Mme. Caroline Kuster. Beautiful light yellow, tinged with pink; full and sweet.

Mme. Dennis. Very full and double buds; white, with yellowish pink centre.

Mme. Devacourt. Bright canary yellow; deliciously perfumed; buds of good size and substance.

Mme. de Narbonne. Bright pink; profuse, full and fragrant.

Mme. de St. Joseph. Finely shaped, long-pointed buds of a deep pink color; very fragrant.

Mme. de Tartas. Long-pointed bright carmine buds; full and double.

Mme. Falcot. Fine apricot yellow, tinged buff; a very desirable Rose; buds of good form and medium size, borne in great profusion.

Mme. H. Jamain. Beautifully cup-shaped flowers; white shaded yellow and pink; a fine variety and sweetly perfumed.

Mme. Lambard. Extra large and full, exquisite fragrance, beautiful rose color tinged salmon and buff, reverse of petals crimson.

Mme. M. Berthon. Pure white, tinged and shaded with lemon color; good form and rich fragrance.

Mme. Margottin. A favorite old variety; large and double; dark citron yellow with bright red centre; a strong grower of exquisite fragrance. 20 cts.

Mme. Maurice. Delicate flesh color; very large and double; sweet tea scent; a splendid Rose.

Mme. Rachel. Very double and pure snow white; pointed buds of delicate fragrance; well adapted for house culture or out-door planting.

Mme. Ristori. A good bedding variety; color deep blush.

Mme. Welch. Large and double, apricot yellow shaded dark orange red; strong habit, free flowering, and extra fine Rose in every way.

Narcisse. Pale lemon yellow, free-flowering, full and fragrant.

Nina. Pinkish rose, shaded silvery white; buds large and sweetly scented.

Niphetos. Pure white; one of the most valued winter flowering Roses. 20 cts.

Odorata. Beautiful blush tint; exquisite tea fragrance.

Pauline Lebonte. Light blush color; very fine.

Perfection de Monplaisir. Deep golden yellow; buds medium size and of fine shape; a fine Rose for any purpose.

Perle des Jardins. (See cut and special description, page 101.) 15 cts.

Pink Daily. An incessant blooming variety; color clear bright pink; size medium; very fragrant.

Pres. d'Olbecque. Bright purplish crimson; good shape and habit.

Queen of Bedders. Dark crimson. 25 cts.

Queen's Scarlet. Introduced by Hallock & Thorpe; color intense dark crimson, of the same style as Agrippina.

Red Malmaison. (See page 100.) 60 cents.

Red Safrano. Carmine. 25 cts.

Rubens. Pale, lovely yellow, tinged with fawn color; very large and full, sweet fragrance.

Safrano. This is the ideal Tea Rose; though one of the oldest, it is still grown in enormous quantities for winter cut flowers; buff color, tinted apricot yellow; exquisite fragrance and splendid bud.

Souv. de David. Rich rosy crimson, finely shaped buds.

Souv. de George Sand. A very desirable Rose, with finely shaped double buds; color carmine, shaded amber; streaked with crimson.

Souv. de Paul Neyron. White, beautifully tinged with clear golden yellow, edged clear rosy crimson; exquisite fragrance and very profuse.

The Roses arrived in fine condition, and are much larger than I had hoped for. Many thanks for liberal additions.

Mrs. Z. WARD, SR., Little Rock, Ark.

BARONESS ROTHSCHILD.

ROSES, GENERAL COLLECTION.—Continued.

Souv. de Malmaison. Rich flesh color with rose centre; very double; when well grown this is yet, perhaps, the finest Rose in cultivation. It is sometimes forced in the winter season, but it is properly a summer blooming Rose. 20 cents.

Souv. d'Un Ami. A splendid Rose, which is now becoming prominent for winter flowering; buds full and double; clear deep rose color.

Stella. Light yellow; full and sweet.

Sunset. (Description and prices, page 99.)

Sulphurea. A deep sulphur yellow; fine in the bud.

Theresa Loth. Fine carmine red with deep rose shading; full double and very sweet.

Viridiflora or "Green Rose." Of no beauty, only grown as a curiosity; buds green in color; most useful to mix with other Roses.

Yellow Tea. An elegant true Tea Rose; has long, pointed buds of a pale lemon color.

PRICES.

3d size, 10 cts. each, except where noted; full set 115 varieties for \$15.00

2d size, 30 cts. each, except where noted; full set

115 varieties for \$30.00

1st size, 50 cts. each, except where noted; full set

115 varieties for \$45.00

HYBRID PERPETUAL ROSES.

Baroness Rothschild. The most deservedly popular Rose in cultivation. In New York last winter its magnificent flowers sold freely at from 25 cts. to 75 cts. apiece. They are immense in size, 5 inches across; color a lovely shade of satiny pink. Its handsome foliage comes close up to the flower, making each bud a bouquet in itself. (See cut, half natural size.)

Price, extra size, \$1.50.

" 2d " 1.00.

" 3d " .75.

Countess of Oxford. A superb variety; color deep carmine shade with rose; pointed buds; flowers continuously all summer. (See cut.)

1st size, \$1.00.

2d " .75.

COUNTRESS OF OXFORD.

HYBRID PERPETUAL ROSES.—Continued.

- Albertus.** Large double flowers; color purplish pink.
Alfred Colomb. Very large and globular; clear bright cherry red, shaded with rich crimson.
Alzora. Color bright carmine; finely shaped double buds.
Anna de Diesbach. Clear bright rose; very large and finely shaped; full and fragrant.
Auguste Mie. Clear, bright pink; large and finely cupped.
Baronne Provost. Beautiful bright rose, shaded crimson.
Cardinal Patrizzi. Brilliant scarlet; good habit.
Chas. Lefebvre. Brilliant crimson, deep purple centre.
Comte de Paris. Rich bluish shade, exquisite coloring, delightful fragrance.
Coquette des Alpes. Cupped white, occasionally tinged with pink; free flowering and fragrant.
Coquette des Blanches. The best white variety of its class; a very profuse continuous bloomer white, sometimes tinged pink; double; fragrant.
Cymbrie. Has all good qualities; color violet crimson.
Dr. Baillon. Dark purple, shaded crimson; sweet fragrance; large, full and fine.
Duchess de Vallambrosa. Flesh color, shaded rose. \$1.00.
Duke of Edinburgh. Dark velvety crimson maroon; fair size; full regular form; handsome and scented.
Duke of Teck. Vivid scarlet crimson; the nearest approach to scarlet yet; extra fine.
Duplessis Morney. Bright crimson; fine form, fragrance and substance.
Eugene Sue. Bright vermilion, changing to scarlet; fragrant and robust.
Fisher Holmes. Finely shaped buds of intense dark crimson color; sweet fragrance; a grand rose.
Geant des Batailles. A very fine flower, in some places liable to mildew; color bright crimson.
Gen. Forney. Color clear cherry red.
Gen. Jacqueminot. (See special description and cut.)
Gen. Lane. Dark rose color; fine form and substance.
John Hopper. Brilliant rose, changing to bright glowing pink; reverse of petals lilac purple; a fine large showy sort, very fragrant.
La Reine. Beautiful clear bright rose; very large.
Louis Carrique. Clear carmine; excellent habit; fine odor.
Magna Charta. Rich dark pink; strong grower. There is scarcely any hardy Rose that gives such universal satisfaction as this. It does well under all circumstances, and is unexcelled for size, color, fragrance, and profusion of bloom.
1st size, \$1.00; 2d size, 75 cts.; 3d size, 40 cts.
Marie Bauman. Bright cherry red, changing to scarlet; large, full and fine; an excellent forcing kind.
Marquis de Ligneris. Bright rose; richly perfumed.
Mme. Alfred Rougemont. Pure white, delicately shaded; tinged with rose; flowers medium sized, double, fragrant; continuous bloomer.
Mme. C. d'Islay. Bright rose blush; fragrant.
Mme. Knorr. Pink, quite distinct.
Mme. Laffay. Beautiful transparent rose; large.
Mme. Trotter. A strong, vigorous grower; very hardy; flowers bright brilliant red; full and sweet.
Mme. Plantier. A perfectly hardy, pure white, double Rose, of the Hybrid China class. One of the best hardy white Roses. It is excellently adapted for cemetery decoration, etc. Growth vigorous.
Mount Carmel. Bright carmine, full and fragrant.
Mrs. Chas. Wood. One of the very best; flowers very large and double, and are produced in great profusion; color intense deep crimson, shaded scarlet.
Mrs. Reynolds. Very large flowers; color bright carmine.
Paul Neyron. The flowers of this variety are the largest of any on our list, and globular. It is a strong grower; color a deep pink.
Paul Ricaut. Bright rosy carmine, darker towards the centre; sweetly fragrant and cup-shaped.
Paeonia. Sweetly fragrant; color clear bright red.
Pres. Thiers. Flaming red; large sized flower; full and globular in shape.

ELIZA BOELLE.

- Princess Camille de Rohan.** Distinct and magnificent; color rich, dark, velvety maroon, almost black; rich fragrance.
Princess de Mathilda. Deep blush; good form and substance; double and perfumed.
Reine d'Angleterre. Fine bright rose; an old variety with many qualities to recommend it.
Rev. H. Dombrain. Very dark crimson; free flowering and hardy.
Triomphe d'Exposition. Bright crimson red.
Triomphe de Reims. Light rose color.
Victor Verdier. Brilliant rosy carmine, edged purple; extra large double flowers.
Wm. Penn. Light carmine; flowers of good shape and size; perfectly double and sweetly scented.

1st size, 50 cts. each; \$4.50 per doz., except where noted.
2d " 30 " " 3.00 " " " "
3d " 20 " " 2.25 " " " "

Set 52 varieties 1st size, \$25.00.
" " " 2d " 15.00.
" " " 3d " 9.00.

GEN. JACQUEMINOT.

Gen. Jacqueminot. Now known everywhere. The best of all forcing Roses of the Hybrid Perpetual class. Hundreds of thousands of feet of glass are exclusively devoted to this one variety. The buds in mid-winter wholesale at from 25 cts. to 50 cts. apiece. Color rich crimson; of fine shape and exquisite fragrance. This grand old variety holds its own against all new comers and is undoubtedly the finest hardy Rose of its color. (See cut.)

Extra size, \$1.00 each; \$9.00 per doz.
1st " .50 " 4.50 "
2d " .30 " 3.00 "
3d " .20 " 2.00 "

HYBRID PERPETUAL ROSE, Md. MARIE BIANCHI.

A distinct and splendid variety. Large and globular in form; color, light pink, with a vivid red centre. Perfectly hardy, and delicious fragrance.
30 cts. each; \$3.00 per dozen.

HYBRID PERPETUAL, ELIZA BOELLE.

Similar to the above in form and other characteristics, differing from it only in color, which is white as snow, tinged faintly in the centre with rose color. (See cut, one-third natural size.)
30 cts. each; \$3.00 per dozen.
Will send above two for 50 cts.

EXTRA LARGE IMPORTED ROSES.

The following list of Hybrid Perpetual Roses we imported last November, and can now offer pot-grown plants. The list contains only the very best varieties of Roses now in cultivation. Extra large, fine plants.

- Anna de Diesbach.** Rich shade of carmine; one of the best.
Baroness Rothschild. Rich shade of rose flowers five inches in diameter; the largest and finest rose in cultivation. (See cut, page 104.)
Countess of Oxford. Very large; soft rosy carmine.
Duchess de Vallambrosa. Flesh color, shaded rose.
Emily Laxton. Cherry rose; large, full and globular.
Mabel Morrison. Pure white; other characteristics same as Baroness Rothschild.
Magna Charta. Bright pink, suffused with carmine.
Md. Gabriel Luizet. Exquisite shade of pink; extra fine.
Mdl. Bonnaire. White, rosy centre; exquisite form.
Mme. Noman. White, tinged with rose.
John Hopper. Dark rose color, crimson centre.
Jules Margottin. Bright cherry color; full and fragrant.
Princess Camille de Rohan. (See special description.)
Rosy Morn. Peach color, shaded salmon rose.
Star of Waltham. Carmine; large and full.

Price, \$1.00 each. Set of 15 sorts, \$12.00.

HARDY ROSE, PRINCESS CAMILLE DE ROHAN.

Almost identical with "Gen. Jacqueminot" except in color, which is of the darkest shade of velvety crimson maroon; the nearest approach to black of any Rose in our collection. Flowers of good size, full, and of exquisite fragrance.

75 cts. each; \$7.50 per doz.
 Larger, \$1.00 " 10.50 "

NOISETTE, OR CLIMBING MONTHLIES.

- Caroline Manais.** A very profuse bloomer, color white, and finely scented.
Belle Lyonnaise. Very large and full; beautiful light lemon color.
Claire Carnot. Orange yellow, with peach blossom centre; a full and compact flower of tea fragrance.
Cloth of Gold. One of the finest pillar Roses for the Southern States; color, clear bright yellow; good form and substance; double and fragrant.
Gloire de Dijon. A grand green-house climber; very large, perfectly double and tea scented; color rich creamy amber, tinged slightly with blush.
Guillette. Bright rosy crimson, lightened with scarlet; medium size; full and sweet.
Jas. Sprunt. or "Climbing Agrippina;" deep cherry red; medium size; full and fragrant; a strong, vigorous grower.
Mme. Balbiano. Soft rosy blush; very sweet.
Mme. Berrard. Deep carmine, full and double.
Lamarque. Pure white, with lemon-colored centre; very double and tea scented; an old favorite.
Marechal Niel. Probably better known and a greater favorite than any other member of the Rose family; flowers of immense size, very double, and exquisite tea odor; color rich dark golden yellow.
Mme. Trifle. Very large and double; buff color, changing to yellow.
Rosamond. Strong, vigorous habit; color scarlet crimson.
Setina. A sport from Hermosa, and identical with that fine variety in color of flower, only differing from it in its climbing habit.
Washington (White). Produces its pure white flowers in great clusters; very ornamental outside.

1st size, 75 cts. each; \$7.50 per doz.
 2d " 50 " " 4.50 " "
 3d " 30 " " 3.00 " "

MOSS ROSE.

MOSS ROSES.

- Adelaide.** A splendid old sort, color bright carmine.
Capt. Ingraham. Brilliant carmine red; large, full flower; very double and mossy.
Countess de Muranais. Large, pure white, fine.
Cristata or "Crested Moss." Color of buds pink; thickly crested with moss; very beautiful. \$1.00.
English. The old red English Moss Rose; mossy and fragrant.
Henry Martin. Fine bright pink; large, full and globular.
Hortense Vernet. Fine rosy carmine; full, large and sweet; beautifully covered with moss.
Jas. Veitch. Dark crimson; ever blooming. \$1.00.
Lanei. A beautiful shade of pink; fragrant and mossy.
Luxembourg. Large, crimson scarlet; densely mossed.
White Bath. (See special description.) \$1.50 each.

Extra large size, \$1.00 each, except where noted; \$9.00 per set.
 2d " .50 " " " 4.50 "
 3d " .30 " " " 3.00 "

MOSS ROSE, "White Bath."

We offer some extra large plants of this superb variety; color pure pearly white; very mossy and fragrant.

\$1.50 each.

STANDARD ROSES.

For planting on green-house rafters, or on back wall of green-house for winter flowering.

- Gloire de Dijon.** Buff shaded rose.
Marshal Niel. Golden yellow.
 Strong plants from 4 to 5 feet high, with fine heads.

Price \$5.00 each.

The plants arrived in good condition. They are beautiful. Their size and health astonish me.

Mrs. R. E. OWEN, Nor. Toledo, O.

PERSIAN YELLOW.

This is the finest hardy yellow rose. We offer a few extra large plants. \$1.50 each.

ROSES, BOURBON AND BENGAL.

- Agrippina.** An unequaled bedding variety; color dark crimson; flowers very freely; full and fragrant.
- Appoline.** Very large, full and double; exceedingly sweet-scented; clear pink, shaded crimson.
- Beau Carmine.** A fine bedding sort; rich velvety shade of carmine red; a constant bloomer.
- Cramois Superior.** A bushy, compact grower; flowers rich dark crimson.
- Comte Bobinsky.** Bright crimson scarlet; good form; quite double and sweet; profuse.
- Hermosa.** The "Rose for the Million;" a splendid old sort that flowers continuously; color clear beautiful rose, globular. Hardest of all monthly Roses.
- Louis Philippe.** Dark velvety crimson; free bloomer; good form and substance.
- Sombriel.** Pure white, edged and tinged with silvery rose; good size, full and double, fragrant.
1st size, 50 cts. each; set of 8 for \$3.00
2d " 30. " " 8 " 2.00
3d " 15 " " 8 " 1.00

CLIMBING HARDY ROSES.

- Baltimore Belle.** Blush, tinged rose and white. The flowers are very double, and are produced in great clusters. The whole plant is one complete mass of bloom when at its best.
- Bennett's Seedling.** Ayrshire or Scotch Rose. Like all of its class, its growth is very slender and rapid; flowers small, white and double.
- Boursalt Elegans.** Flowers semi-double, purplish crimson in color.
- Dundee Rambler.** Same class and character as the preceding, but semi-double.
- Gem of the Prairies.** Bright violet crimson; large, very double and fragrant. A beautiful Rose.
- Prairie Queen.** Dark rosy red, changing to pink.
- Seven Sisters.** Blush changing to crimson; free flowering and fragrant.

Extra large size, \$1.00 each; \$10.50 per doz.
2d " .30 " 3.00 "

LA FRANCE. MARSHAL NIEL.
MALMAISON.

We have some splendid grafted plants (dwarfs), extra large fine and bushy, of the above three varieties. It is seldom that such fine stock of these kinds is to be had.
\$1.00 each; \$10.50 per dozen.

12 BEST MONTHLY ROSES FOR
WINTER FLOWERING.

The number of varieties that will give good results during the winter months is limited, so that we can embrace in the below named dozen all the best sorts—all described in preceding pages.

- Sunset.** (See description and prices, page 99.)
- Safrano.** Saffron orange.
- Perle des Jardins.** Canary yellow.
- Niphetos.** Pure white.
- Bon Silene.** Carmine.
- Catherine Mermet.** Rosy blush.
- Souv. d'Un Ami.** Deep pink.
- Isabella Sprunt.** Light yellow.
- Douglas.** Crimson.
- Marshall Robert.** Straw color.
- Md. Capucine.** Deep orange.
- La France.** Rich shade of pink.

Prices, 1st size, 50 cts. each; \$4.50 per dozen; except where noted.

2d " 30 " " 3.00 " " "
3d " 15 " " 1.50 " " "

HARDY STANDARD or TREE ROSES.

One advantage of the Standard Rose is that being 5 feet in height the flowers can be seen close to the eye and the fragrance inhaled without stooping. They are particularly adapted for city gardens or lawns, forming heads from 2 to 3 feet across. A little care in training makes them models of beauty. Only the finest Roses are grafted on the Standards. All are hardy.

- Souvenir de la Reine d'Angleterre.** Rosy pink.
- La Brillante.** Carmine; large and full.
- Triumph de Caero.** Blackish purple.
- Prince of Wales.** Silvery white.
- Baroness Hausmann.** Purplish carmine.
- Madame Schmidt.** Rosy pink.
- Baron Prevost.** Brilliant rose.
- Marie Boissie.** Light rose changing to white.
- Therese Levet.** Bright rosy crimson.
- Sydonie.** Deep blush.
- Madame Chirard.** Clear red.
- Hortense Mignard.** Soft rose.
- General Jacqueminot.** Scarlet crimson.
- Madame Plantier.** Pure white.
- Scipion Cochet.** Rose.
- Madame de Cambacares.** Brilliant rose.
- Anne Alexieff.** Pinkish crimson.
- Louise Odier.** Rosy pink.
- Jules Margottin.** Glossy crimson.
- Rev. H. Dombrain.** Scarlet crimson.

Fine plants, \$1.25 each; \$12.00 per doz. Set of 20 for \$18.00.

NOVELTIES OMITTED.

The following were received from Europe after the Novelty pages of this catalogue had gone to press, so, although a little out of place, we offer them here.

LEONOTIS LEONURUS (LION'S TAIL).

(Ready May 1st.)

A very interesting plant when in flower. Grows like a winter flowering Salvia. It produces spikes of orange colored blooms, three or four whorls in September, and each bloom is exactly the shape of a lion's tail. This should be grown by all possessing a collection of plants, and who wish for something novel. \$1.00 each.

NEW DOUBLE TROPEOLUM (Bicolor Fl. Pl.)

The deserved popularity of the double orange colored variety, "Herman Grasshoff," will be more than equaled by this new and splendid acquisition. It produces in wonderful profusion its rich, orange colored flowers, which are distinctly striped with scarlet.
50 cts. each; \$4.50 per dozen.

I received the Roses to-day in fine order. You pack with more skill and judgment than any one I have ever dealt with.

J. T. WHITTAKER, Tyler, Tex.

GENERAL COLLECTION PLANTS,

Comprising

Old Favorites, Novelties of last Year, Specialties, &c.

DOUBLE ABUTILON, "THOMPSONI PLENA."

(See special description, page 109.)

ABUTILON; or Chinese Bell Flower.

Flowering shrubs growing from two to six feet in height; flowers pendulous, bell shaped; blooming in abundance during the entire season; now much used for flowering in winter.

There has been a very great improvement in this class of plants. A few years ago, two or three shades of crimson and maroon were about the only colors to be found. Now we have white, pink, crimson, maroon, and golden yellow in endless variety. Our set contains the best and most distinct representations of all these colors.

Arthur Belsnam. Large, dark crimson flowers.
Aug. Rossold. Variegated foliage, yellow and green.
John Hopkins. Bright canary yellow.
Mrs. Roenbeck. Bright red.
Rosæflora. Beautiful rose color.
Robt. George. Salmon, veined crimson.
Snowstorm. Finest white.
Duc de Malakoff. Flowers crimson, veined.
" " Var. Variegated foliage.
Darwinii. Bell shaped; light maroon orange.
Mesopotamicum. Flowers scarlet and yellow.
" Var. Leaves variegated.
Md. Beranger. Yellow and scarlet.
Santana. Flowers brownish crimson.

Chamois. Tan color.
Coronet. Large size; blood red.
Crusader. Cherry red; parasol shaped.
Fraseri. Dazzling crimson; immense size; extra fine.
Ne Plus Ultra. Dark carmine rose.
Seraph. Pure white.
Tancrede. Dark rose color.
Toison D'Or. Orange color.
Yellow Prince. Very dark yellow.
New Double. (See above.) 30 cts.
Thompsonii. Leaves mottled, golden yellow.
Boule de Neige. White.
Vesuvius. Intense crimson.

10 cts. each, except where noted; 27 sorts for \$2.50.

Plants received in fine condition, and they surpassed our most sanguine expectations. WALTER P. BROWNLOW, Jonesboro, Tenn.

DOUBLE ABUTILON, "Thompsoni Plena."

This originated in a "sport" from Thompsoni variegata. It retains the beautifully mottled yellow and green foliage of that variety, but with perfectly double flowers, that resemble in form a double Hollyhock; color rich deep orange shaded and streaked with crimson. Sent out by us for the first time last year. (See cut, page 108.) 30 cts. each; \$3.00 per doz.

ANEMONE JAPONICA, WHITE AND PURPLE.

Two varieties of one of the finest late flowering, hardy herbaceous plants. They begin blooming about the middle of September and continue in perfection until November, being one of the last flowers seen in the garden. An excellent hardy plant for cemetery purposes. Though not new, it is quite a scarce plant. (See cut.) 30 cts. each; \$3.00 per doz.

NEW ALTERNANTHERA AUREA NANA.

In this new variety we have a plant which grows compact and upright to a height of only four inches, and which becomes bright golden yellow at once after being planted out, and retains its color right through the season. The foliage is narrower than the old variety, and the whole plant distinct and superior in every respect. We predict for this new variety a popularity equal to that of the crimson Parychoides major. 10 cts. each; \$1.00 per dozen. Special prices given on large quantities.

ALTERNANTHERA PARYCHOIDES MAJOR (Rainbow Plant).

This grand ornamental foliaged plant is now grown in immense quantities for "massing" and for ribbon lines. We supplied 20,000 plants of it in one order for one of the Newport villas in 1883, and the effect of this large mass of gorgeous coloring of crimson, scarlet and pink contrasting with the green lawn was the wonder of thousands. It has been well named the Rainbow Plant, as, when seen at different angles, it presents great variety of coloring.

Price, 10 cts. each; \$1.00 per doz. Special rates on application.

ALTERNANTHERAS.

Plants with beautiful variegated foliage, growing from twelve to twenty-four inches in diameter, and six inches in height, used principally for ribbon lines, borders, or for forming carpet beds; the leaves are tinted, bordered, blotched, margined, and variegated in almost every conceivable form, with the brightest colors, bright carmine and crimson tints prevailing.

Aurea. Golden yellow.

Amoena. Leaves yellow, brown and rose.

Latifolia. Broad, smooth, antumn tinted leaves.

Magnifica. Leaves yellow, scarlet and green.

Parychoides. Leaves green, crimson and straw color.

Parychoides Major. The finest red.

Spathulata. Leaves tinted carmine and green.

Versicolor. Leaves tinted rose and crimson.

Aurea Nana. (See special description.)

10 cts. each; \$1.00 per doz.; set of 9 sorts for 75 cts.

ALOYSIA CITRIODORA, Lemon Verbena.

A well known shrub, indispensable for the delightful fragrance of its leaves in the construction of bouquets, etc. 10, 20 and 30 cts. each.

ARMERIA MARITIMA, "SEA PINK."

ARMERIA MARITIMA, "Sea Pink."

This is the well known "Sea Pink." It is perfectly hardy; does well in all situations; flowers bright pink, very useful for bouquets. Flowers through the spring, summer and fall. (See cut.)

20 cts. each; \$2.00 per doz.

AMARANTHUS.

(READY MAY 15TH.)

Nothing can compare with these during summer and fall for the rich effects produced by the unusually bright and handsome coloring of their foliage; they are largely grown in masses or in ribbon lines. They are tender annals, and should not be planted out until May 15th.

Tricolor Giganteus. Scarlet, crimson and yellow.

Bicolor Ruber. Scarlet crimson.

Salicifolius. Willow leaved; crimson and yellow.

10 cts. each; \$1.00 per doz.

AUCUBA JAPONICA VARIEGATA.

A half-hardy evergreen shrub, with rich, glossy green leaves, with golden yellow spots; hardy south of Washington; well fitted for centre of vases or baskets in shaded places in summer.

30 cts. each; \$3.00 per doz.

AMARYLLIS.

Amaryllis Johnsonii	\$.75
" Greviana	.75
" Atamasco	.10
" Aulica	.75

Set of 4 for \$2.00.

ALLAMANDA NERIFOLIA.

A compact growing green-house shrub, having large, trumpet shaped, bright yellow flowers, which are borne in great profusion nearly the entire season.

50 cts. each; \$4.50 per doz.

ALLAMANDA HENDERSONII.

A valuable green-house plant, having large, deep yellow flowers four inches in diameter. It can be trained to climb, or can be grown in bush form, as desired. It blooms nearly the entire season. A splendid plant.

30 cts. each; \$3.00 per doz.

ANTHERICUM REPENS VITATUM VAR.

Leaves variegated with white and green stripes; one of the best plants for banging baskets or out-door bedding.

20 cts. each; \$2.00 per doz.

ALTHEA FRUTEX VAR.

(Variegated leaved "Rose of Sharon.")

A variegated leaved variety of this popular shrub, with the leaves distinctly margined with pure white; flowers purple; grows to a height of 10 to 12 feet; hardy shrub.

1st size, \$1.00 each.

2d " .20 " \$2.00 per doz.

AGERATUM.

Old garden favorites, blooming continually throughout the summer months, and also making excellent winter blooming plants; well adapted for bouquets, baskets of cut flowers, etc.; of the easiest culture.

White Cap. (See novelties.) 30 cts.

Cope's Gem. (See novelties.) 30 cts.

Blanche. Pure white.

White Tom Thumb. Six inches in height, profusely covered with bluish white flowers.

Blue Tom Thumb. Habit the same as the preceding, with flowers of a beautiful porcelain blue.

Imperial Dwarf. A variety of "A. Mexicanum," which it resembles; flowers blue.

John Douglas. Fine blue; valuable for massing.

Mexicanum. Flowers light blue.

Mexicanum Var. Leaves variegated with creamy white; flowers blue; very desirable.

Prince Alfred. A delicate lilac shade.

10 cts. each, 75 cts. per doz., except where noted. Set of 10 sorts for \$1.25.

AZALEA INDICA ALBA.

The large, pure white, single variety. This is the most appropriate plant for cemetery decoration. There are plants of it in the Greenwood Cemetery of Brooklyn, L. I., six feet high by six feet in diameter; they have stood hardy there for a dozen years. When in bloom in spring and early summer they present a perfect sheet of white.

1st size, 60 cts. each; \$6.00 per doz.

2d " 40 " 4.00 "

3d " 25 " 2.25 "

AZALEA, "Flag of Truce," Double.

One of the most beautiful of all the *Double Azaleas*. Flowers snow white, 2 inches in diameter; growth compact and symmetrical; one of the most valuable flowers for use in bouquets, etc., in winter.

1st size, fine plants, \$1.50 each.

2d " " " .75 "

3d " " " .30 "

AZALEAS.

Our stock of Azaleas is one of the largest in the country, and we can offer fine sized blooming plants of the finest varieties at low rates. We offer 20 of the most distinct and beautiful—all shades pink, crimson, violet, etc.

Extra size, \$1.00 each; \$10.50 per doz.

1st size, 60 cts. each; \$6.00 per doz.; set of 20 sorts for \$10.00

2d " 30 " " 3.00 " " " " 5.00

THE FIVE BEST ACHYRANTHES.

We have previously offered a collection of eight varieties of this popular bedding plant, but having found that these five kinds contain all the colors and best features, we now grow them exclusively, and have discarded the others.

Collinsii. Very dwarf and compact; yellow, pink and green, the yellow predominating.

Emersoni. Maroon, changing to pink.

Hoveyi. Carmine, shaded dark and light pink.

Cæsii. Golden yellow; veined green.

Woolseyii. Dark metallic crimson, almost black.

10 cts. each; 75 cts. per doz.; set 5 for 40 cts.

AMPELOPSIS VEITCHII, "South-side Ivy."

Derives its familiar title from being the very best plant to cover a south wall.

A slender growing variety of the Virginia Creeper; the young growth during summer is a dark purplish green, changing in fall to the brightest tints of scarlet, crimson and orange. It clings to stone-work, trees, etc., and is a splendid plant for covering unsightly objects; it attains a height of fifty feet. Every year adds to the popularity of this plant as a climber. This is the climbing plant so much used in covering the fronts of houses in Boston. Perfectly hardy.

Extra sized plants, 50 cts. each; \$4.50 per doz.

2d size, 25 " " 2.25 "

3d " 15 " " 1.50 "

AMPELOPSIS TRICOLOR.

The leaves of this variety are elegantly variegated with white, pink and green, and the bluish purple berries with which it is covered in fall add greatly to its beauty; a splendid basket plant or for covering rock-work.

20 cts. each; \$2.00 per doz.

AMPELOPSIS QUINQUEFOLIA.

This is the well known Virginia Creeper found wild in many parts of the country. It is a fast grower, of strong habit; leaves splendidly colored in the fall.

15 cts. each; \$1.50 per doz.

AMPELOPSIS BIPINNATA.

A finely marked, cut-leaved variety of the "Virginia Creeper," equally hardy and entirely distinct, making a novel and valuable plant for covering walls or trees; color of autumn foliage, crimson, scarlet, yellow, etc.

30 cts. each; \$3.00 per doz.

ASTILBE JAPONICA (Spirea Japonica).

One of the finest of hardy garden plants; when in flower it is about one and a half feet in height. The flowers are borne in branching feather-like spikes of purest white. It is used extensively for forcing for flowers by the bouquet makers. One of the very best plants for cemetery purposes.

1st size, 30 cts. each; \$3.00 per doz.

2d " 20 " " 2.00 "

ALYSSUMS (Sweet).

Old favorites, valued for their exquisite fragrance and easy culture. Being almost constantly in bloom, they are most useful for bouquets, while the variegated leaved kinds are excellent for bedding purposes.

Variegated Single. Similar to the old Sweet Alyssum, but with variegated leaves.

Variegated Double. Foliage white and green, the white predominating. The best bedding sort.

Colossus. Pure white flowers; very large.

Double White. Same as above, but with double flowers.

Tom Thumb. Unique and pretty; grows only 4 inches high; extra fine.

10 cts. each; \$1.00 per doz.; set 5 for 40 cts.

ANTIRRHINUM, Snap Dragon.

We offer this year an unusually fine lot of Antirrhinums, seedlings from seed saved from the finest and most beautiful flaked, mottled and striped varieties in cultivation.

10 cts. each; 75 cts. per doz.

BALSAMS.

BALSAMS—DOUBLE.

READY MAY 15TH.

We offer a strain of these double and symmetrical in form as a Camellia. These very double Balsams are used more than anything else for the making up of bouquets, or other cut-flower work in summer. (See cut.)

10 cts. each; 75 cts. per doz.

BOUGAINVILLEA SPECTABILIS.

This handsome plant is quite easily grown, thriving in almost any night temperature that is higher than 40 degrees. It produces very freely large cone shape racemes of beautiful rose-colored bracts. Being of climbing habit, it probably has no equal for training to the rafters of conservatories or green-houses. The Bougainvillea has proved with some to be a very profitable plant to force for the bloom during the winter.

Strong plants, \$1.00 each.

BEGONIA, Flowering.

Plants adapting themselves to a variety of uses; are used for planting in the garden for summer decoration, or as pot plants, for cut flowers in winter; they are very easily grown, but require heat—an average of 65 degrees at night during winter is necessary. The flowers are beautiful, drooping in graceful panicles of various colors, as given below. They are largely used in the construction of bouquets, etc., by florists.

Argentea. Silvery leaves.

Agyrostygmata Veitchii. Flowers pink; leaves spotted white.

Carnea. Flowers bright carmine.

Degswelliana. Flowers bright scarlet.

Foliosa. White, with neat, drooping foliage.

Fuchsoides Alba. Flowers pure white.

Hybrida Multiflora. Small leaves, rosy pink flowers.

Ingramii. Rose color.

Miniata. Coral red.

Nitida. Flowers light flesh color.

Nitida Alba. Flowers white.

Richardsonii. Flowers white, leaves finely divided.

Rubra. Dark coral color.

Sanguinea. Surface of leaves olive, under side crimson. 50 cts.

Metallica. (See page 90.) 75 cts.

Saundersonii. Flowers bright scarlet crimson.

Washingtoniana. Pure white. 50 cts.

Weltoniensis. Flowers rich shade of pink.

Weltoniensis Alba. Flowers white.

15 cts. each; \$1.50 per doz., except where noted.

Set of 19 sorts, \$4.00.

(For newer sorts see page 90.)

BEGONIA, Tuberous Rooted.

A comparatively new section of this beautiful tribe; flowers ranging through all the shades of crimson, scarlet, rose, orange, etc. They require the same treatment as the fancy leaved Caladiums, Gloxinias, etc.; that is, the tubers are dried off in winter and started again in spring. Excellent for bedding purposes, as they bloom the entire summer season until frost.

60 cts. each; \$6.00 per doz.

BEGONIA REX, Ornamental Leaved.

Grown for the beauty of the foliage. The leaves are large, variegated and covered with a peculiar silvery metallic gloss. Are mainly used for pot-plants, or in Wardian cases, ferneries, etc., but do finely in shaded places in summer out of doors.

1st size, 30 cts. each; \$3.00 per doz.

2d " 20 " " 2.00

BONEPARTIA JUNCEA.

A very scarce genus of plants, with long, graceful, rush-like leaves; very attractive when grown in a vase out-of-doors in the summer. Flowers borne on large spikes. It requires a warm temperature in winter.

\$1.60 each; \$9.00 per doz.

BOUVARDIAS—In Variety.

These are now among the most important plants cultivated for winter flowers, owing to the yearly increasing variety of color and their excellent adaptation for that purpose. They are also effective as bedding plants for the flower garden, beginning to bloom in August and continuing until frost. They require considerable heat—an average of 60 degrees in winter.

Oculata. Blush color.

Double Pink. New. Like a miniature Tuberose.

Double White. New. Same, but pure white.

Elegans. Bright carmine.

Humboldt. Large white; fine.

Leiantha. Dark, dazzling scarlet.

Lutescens. Rich yellow. 50 cts.

Rosea Multiflora. New; finest pink.

Davidson. White; fine form.

Lady Hyslop. Pink.

Brunetti. Light blush. New, 50 cts.

Thos. Meehan. Double scarlet. (See page 89.) 50 cts.

Vulcan. Single scarlet. (See page 89.) 50 cts.

Sanguinea. Crimson.

20 cts. each; \$2.00 per doz., except where noted.

Set of 14 sorts for \$4.00.

CALLA ETHIOPICA, "Lily of the Nile."

A fine house plant. It requires an abundance of water during the growing season, and should have a period of rest from May to August, by turning the pots on their sides in some shady place.

10 cts. each; \$1.00 per doz.

Extra large plants, \$1.00 each; \$10.50 per doz

CAMPSIDIUM FILICIFOLIUM.

An elegant climber, of rapid growth, for green-house culture the leaves of which much resemble the fronds of a fern in miniature, giving it an unusual graceful appearance. It may be grown as a pot plant, or trained to the rafters. Very desirable.

40 cts. each; \$4.00 per doz.

CINERARIA HYBRIDA.

CINERARIA HYBRIDA

We offer a very choice collection of these unequalled winter and spring blooming plants, comprising the richest shades of purple, crimson, white, pink, etc. (See cut.)

15 cts. each; \$1.50 per doz.

COBEA SCANDENS.

COBEA SCANDENS.

A beautiful climbing plant of rapid growth, attaining a height of twenty feet in a single season, either in or out of doors. Flowers bell shaped and purple in color.

20 cts. each; \$2.00 per dozen.

CALADIUMS—In Variety.

We offer a superb collection of Caladiums. They assume every imaginable color in their variegation of spotting, veining and marbling of leaves. In partial shade, in moist soil, most of the varieties do well planted out in summer, but their great value is for exhibition plants, for fairs, in summer and fall, or for ornaments for parlor or green-house, when pot grown.

25 distinct sorts, 30 cts. each; \$3.00 per doz.; set of 25 sorts, \$6.00.

25 distinct sorts, newer and scarcer varieties, 50 cts. each; \$4.50 per doz.; set of 25 sorts, \$10.00.

CALADIUM ESCULENTUM.

A tropical plant of the well known family of Caladium, growing to a height of three or four feet, with corresponding breadth. The leaves are of immense size, often eighteen inches by two feet. As a single plant for lawns or large flower borders it has no superior.

1st size, 50 cts. each; \$4.50 per doz.

2d " 30 " " 3.00 "

3d " 15 " " 1.50 "

Extra size, \$1.00 each.

CYRTODEIRA METALLICA.

A scarce basket plant now popular. Of creeping habit. Its leaves are a rich bronze color, marked in the centre with pink. The foliage being covered with minute white hairs, gives it a silvery appearance; very beautiful.

30 cts. each; \$3.00 per doz.

CROTON AUREA MACULATA.

**CROTON AUREA MACULATA,
"Zebra Croton."**

The cut gives a good idea of this splendid variety. Many Crotons fail to show their fine colors until grown to a medium size, but this variety is beautiful in all its stages, from a small plant to a towering specimen. The light parts in the cut show the golden yellow, and the dark the green.

Price, 1st size, \$1.00 each; \$9.00 per doz.

" 2d " 50 " 4.50 "

CROTONS.

Plants which, from their beautiful leaf-variegation, demand a place in every collection of hot-house plants, or for summer bedding.

Interruptum,
Irregulare,
Salicifolius,
Maxime,
Multicolor,
Disraeli,
Undulatum,
Volutum,
Weismanni,
Earl of Derby,
Challenger,
Campthophyllus,
Johannis,

Pictum,
Variegatum,
Acubæfolia,
Cornutum,
Bismarck,
Elegans,
Nobile,
Veitchi,
Mooreana,
Majesticum,
Youngi,
Queen Victoria,
Aurea Maculata.

(See cut.)

1st size, \$1.00 each; \$9.00 per doz.; set 26 for \$20.00.

2d " 50c. " 4.50 " " 26 " 10.00.

COCKSCOMB.

CELOSIA CRISTATA—Cockscmb.

(READY MAY 15TH.)

These beautiful plants are used not only as bedding plants, but are largely introduced as a feature in cut-flower work in the winter. We offer plants from a superb strain of seed which will produce immense combs of the most vivid crimson. (See cut.)

10 cts. each; \$1.00 per doz.

HARDY GARDEN CARNATION.

CARNATION—Hardy Garden Varieties.

Very attractive garden plants; perfectly hardy. All shades of white, pink, crimson, violet, maroon, etc. (See cut.)

10 cts. each; \$1.00 per doz.

CYPERUS ALTERNIFOLIUS.

This beautiful plant has whorls of leaves borne on the top of upright stalks. It is aquatic in its nature and consequently is well adapted for planting on the margins of fountains and aquariums, though it succeeds well in places not so moist.

30 cts. each; \$3.00 per doz.

CEREUS (Night Blooming Cactus).

Triangularis. Stems triangular, flowers white.

Grandiflorus. True night-blooming cactus, straw color.

30 cts. each; the 2 sorts for 50 cts

CAMELLIA.

CAMELLIA JAPONICA.

Double White. \$1.00 to \$3.00 each.

Colored. In variety, 50 cts. to \$1.50 each.

Plants arrived in splendid condition. I thank you for filling order so promptly, and for sending "extra" plants.
Mrs. HENRY JAYNE, Muscatine, Iowa.

CLEMATIS (Virgin's Bower.)

Next to the Rose the Clematis is the most popular flowering plant of the day: entirely hardy, blooming during the entire season, embracing great variety of color, of the most beautiful tints of blue, purple, lavender, scarlet, white, etc.; double and single—some of the flowers being 6 inches in diameter, and from their wavy, graceful contour, when wafted by a slight breeze, the flowers resemble huge butterflies hovering among the green leaves. They are all climbers, and if trained carefully, attain a height of from 5 to 15 feet in one season.

Until about April 1st the Clematis is in a dormant state, and the roots can be sent with perfect safety by mail to all parts of the country. After that date they had better be sent by express, if possible, although they can be mailed at all seasons of the year.

Alexandria. Pale, reddish violet; free blooming.

Countess of Lovelace. Distinct double variety; pale bluish lilac.

Duchess of Edinburgh. Fine, double white; very fragrant.

Fair Rosamond. Blush white, wine colored bars.

Fortunei. Double white, very free flowering.

Gipsy Queen. Rich, bright, dark velvety purple.

John G. Veitch. Lavender blue; large double flowers.

Lord Lonsborough. Deep mauve; very large and attractive.

Languinosa Candida. White tinted lilac.

Lawsoniana. Rosy purple, with dark veins.

1st size, \$1.00 each; set 20, \$18.00. 2d size, 60 cts. each; set 20, \$10.00. 3d size, 40 cts. each; set 20, \$7.50.

CLEMATIS FLAMULA (Fragrant Virgin's Bower).

This is an old and well known species, entirely distinct from most of the above; flowers pure white, deliciously fragrant. The plants attain a height of twenty feet, and when trained on trellis work, and in full bloom, look like a mass of snow. The odor is perceptible at a distance of 200 yards. Hardy.

30 cts. each; \$3.00 per doz.

CLEMATIS COCCINEA.

CLEMATIS COCCINEA.

Bright scarlet has been a color hitherto unknown in Clematis, but in this sort we have that color which, when placed in contrast with the blue, purple and white kinds, has a most striking effect. It is equally hardy as the other well known sorts. (See cut.) 50 cts. each; \$4.50 per doz.

CLEMATIS JACKMANI. $\frac{1}{2}$ NATURAL SIZE.

The best known and most valued variety of this popular family. A perfect mass of bloom when in full flower. Color dark rich royal purple.

1st size, 75 cts. each; \$7.50 per doz.

2d size, 50 cts. each; \$4.50 per doz.

CLEMATIS.

From open ground, large, strong 3-year-old roots. Holland importation.

Jackmanni. Violet purple.

Florida Pallida. Lavender.

Lucie Lemoine (rosette formed). White.

Miss Batemann. White.

John Gould Veitch (rosette formed). Lavender.

Belle Bangholm. White.

Bangholm Beauty. Lavender.

Franco Furtensis. Lavender.

Standishi. Light mauve.

Albert Victor. Lavender.

Lady Lonsborough. Silver gray.

Lord Lonsborough. Deep mauve.

Miss Baker. Silver gray.

The Gem. Deep lavender blue.

Fair Rosamond. Blush white.

Sylph. Lavender.

Hybrid Sieboldia (Boskoop's Seedling). Lavender.

The Queen. Mauve.

Price, 60 cts. each; \$6.00 per doz. Set of 18 for \$3.00.

COCCINEA INDICA.

A climbing plant very useful for covering trellises, fences, etc. White star-shaped flowers succeeded by red, oblong fruits—highly ornamental. (See cut.)

20 cts. each; \$2.00 per doz.

CALCEOLARIAS.

CALCEOLARIAS, HERBACEOUS.

Hybrida Superba. An exceedingly fine strain, spotted and marbled in all shades of yellow, maroon, rose, white and crimson. Completely covered in with pocket-like flowers. (See cut.)

15 cts. each; \$1.50 per doz.

SHRUBBY CALCEOLARIAS.

(See page 91.)

CLERODENDRUM BALFOURI.

A stove-climber of great beauty. The flowers, which are of a bright scarlet, are encased by a bag-like calyx of pure white; the trusses or panicles of flowers are upwards of six inches in width, and, when trained upon the trellises, and hanging down, have a rich and elegant appearance; continually in bloom.

30 cts. each; \$3.00 per doz.

CANNA.

CANNA INDICA.

Plants used largely in sub-tropical gardening, for the grand effect which their rich and varied colored leaves produce. The sorts below named are the finest we can select from our collection of over sixty varieties, old and new. They combine the most striking tropical foliage with flowers many of them equal to Gladiolus.

Admiration. Foliage sea-green, margined red; five feet high; flowers dark scarlet.

Ang. Ternier. Large, showy, dark green leaves, tipped red; seven feet high. [feet high.]

Bihoreli. Dark green foliage, shaded with chocolate; three feet high.

Amazon. Foliage green; flowers canary yellow; very fine; four feet.

Canrobert. Foliage dark; vermilion scarlet flowers; six feet.

Creole. A very fine dark variety; six feet.

Erin. Foliage green; orange and scarlet flowers; four feet.

Golden Fleece. Green foliage; flowers straw color; five feet.

Oriole. Green leaves; flowers deep orange color; six feet.

Tricolor. Variegated foliage, orange flowers.

Daniel Hooibrenck. Four feet high; deep green slightly margined purple; flowers dark orange.

Indica Variegata. Light green, ovate leaf; beautifully ribbed; six feet high.

Metallica. Foliage dark chocolate tinted green; flowers Indian red; four feet high.

Md. Schmidt. Broad ovate leaf, flowers dark orange scarlet.

Nardy. Five feet high; deep green, margined brown; flowers Indian red. [flowers.]

Plankerii. Dark green, broad, ovate leaf, orange colored flowers light canary.

Princesse de Neice. Five feet high; broad, deep green leaf; flowers light canary.

Surprise. Narrow, green, lanceolate leaves; flowers deep orange scarlet.

Warscewizii. Green foliage, margined red; three feet high; flowers intense crimson.

15 cts. each, except where noted; \$1.50 per doz.

Set of 19 varieties for \$3.00.

CASTOR OIL PLANT, "RICINUS."

CASTOR OIL PLANT, "Ricinus."

READY MAY 15TH.

The large leaves and stately habit of this plant give a rich tropical effect on a lawn. Can be planted in groups or singly, as shown in engraving.

20 cts. each; \$2.00 per dozen.

CHINESE CHRYSANTHEMUMS, Large Flowering.

Chrysanthemums for the past three seasons have become in New York and all our large Eastern cities the most fashionable and prized of all autumn flowers, hundreds of thousands being sold during the season. By far the best season to buy is in spring, as the plants grow rather too large to be shipped in fall. There is no plant we cultivate, with the exception perhaps of the Dahlia, that assumes such an extended variety of colors as the Chrysanthemum. Being entirely hardy and of free growth, they can be grown on almost any soil and situation with but little care. They are also valuable grown in pots as green-house or parlor plants during early fall or winter months.

Aurea Multiflora. Pure yellow.

Bolivar. Imbricated, yellow changing to lilac.

Countess of Granville. Pure white; large and fine.

Emily Dale. Pale straw color.

Golden Eagle. Orange yellow.

Gerda. Bright orange.

Geo. Glenny. Amber yellow; extra fine.

Golden Empress. Primrose yellow; large flower.

Golden Queen. Deep golden yellow; fine.

Md. Graine. Large pure white; fine form.

Mrs. Geo. Rundle. Pure white.

Mongolier. Dark amber.

Yellow Stone. Fine yellow.

Princess Teck. Pure white; large and full.

Refulgence. Rich purple maroon.

Ruth. Pink.

Elaine. New white. Extra fine.

Queen of Lilacs. Light shade of lilac.

Virgin Queen. Large pure white; quilled.

Venice. Lilac and peach.

10 cts. each; \$1.00 per doz.; \$1.80 per set of 19 varieties.

My plants were delivered this morning in fine condition and were much larger than I expected. Thanks for kind attention and promptness.
G. E. WASHBURN, Binghamton, N. Y.

25 "PRIZE VARIETIES" JAPANESE CHRYSANTHEMUMS.

The hybrids from the Japanese section are exceedingly interesting in their varied forms and markings, together with the enormous size of the flowers of some of the varieties, many of them being five inches in diameter. They also, in some of the varieties, possess the valuable property of flowering during the winter months, when desired, by pinching off the buds as soon as formed in October. They are as hardy as the ordinary Chinese sorts.

Japanese Flowering.

Abd-el-Kader. Rich crimson maroon.
Bouquet National. Suffused white.
Constance. Brilliant deep crimson; golden tips.
Dr. Macary. White, tinted rose color.
Early Red Dragon. Fiery crimson; golden tips.
Fair Maid of Guernsey. Pure white; entirely distinct.
Favorite Rose. Pretty rose color.
Gloire de Toulouse. Crimson and white; extra fine.
Incomparable. Yellow, brown and crimson; very fine.
La Chinoise. Dark maroon; golden tips.
Mlle. Anna Deleaux. White tinted rose.
Md. Audguier. Rosy lilac, tinted mauve.
Md. Toulouise. Incurved and shaded rose color, centre yellowish white.
M. Fittere. Deep rosy red; light centre.
Miss Jeannie. Ruby crimson.
Ne Plus Ultra Nova. Lilac; golden tips.
Rose Mignonne. Delicate rose, striped white.
Sonce d'Or. Golden twisted florets, tipped yellow.
Sesostris. Mahogany; yellow centre.
Sarnia. White; pink stripe; distinct.
Zelia. Pink and white.

10 cts. each; \$1.00 per doz.; set 21 varieties for \$2.00.

POMPONE CHRYSANTHEMUMS, Small Flowering.

Amphilla. Scarlet crimson.
Aurora. Orange.
Aspasia. Pure white.
Boule de Neige. White.
Bolivar. Yellow, changing to lilac.
Carminata. Maroon and golden bronze.
Donna Carnea. Flesh white.
Fimbriata. Rosy lake, suffused white, yellow centre.
Golden Creste. Bright yellow.
Fin d'Amour. Purple.
Le Brazier. Deep brown.
Lucrece. Reddish brown, tipped yellow; extra fine.
La France. Blush.
Mrs. Aristee. Deep canary yellow; fine.
Mrs. Campbell. Crimson.
Model of Perfection. Lilac and yellow.
Peri. Dark yellow, with red points.
Princess Meletia. Fimbriated, white; one of the best for cut flowers.
Toussaint L'Ouverture. Rose pink, tipped yellow, golden centre.
Zebra. Lilac and pink.

10 cts. each; \$1.00 per doz.; set 20 for \$2.00.

Full collection, 66 varieties, including the six splendid sorts shown in colored plate, for \$6.00.

We can supply 100 other varieties of the different classes, but lack of space forbids our naming them here.

For new varieties see page 88.

The "best dozen" of either three classes, of most brilliant colors and perfect flowers, our selection, \$1.00.

CHRYSANTHEMUM FRUTESCENS "Paris Daisy."

This is the "Marguerite" of the Paris markets, the flowers of which are now so fashionable during the winter. Flowers which resemble the common field Daisy; a white ray of petals with a yellow disc.

15 cts. each; \$1.50 per doz.

GOLDEN "PARIS DAISY," ETOILE D'OR.

Similar to the preceding in all respects, excepting the color, which is clear golden yellow, both petals and disc.

15 cts. each; \$1.50 per doz.

COLEUS.

COLEUS.

This beautiful family of ornamental foliage plants has been steadily increasing the beauty and diversity of its varieties ever since its introduction. We now have the most gorgeous shades of pink, maroon, rose, violet, yellow, crimson, etc. Coleus are one of our specialties and our collection is unrivaled.

Md. Jamain. Crimson and yellow.
Glory of Autumn. Deep crimson bronze, margined gold.
Spotted Gem. Yellow ground, regularly blotched crimson, green and orange.
Beacon. Dark claret color, almost black; a splendid bedding [sort].
Kirkpatrick. Large leaf, blotched in the centre like Geranium Happy Thought.
Golden Gem. Deep rose, margined yellow.
Multicolor. Maroon and crimson.
Picta. Marbled yellow, maroon and crimson.
Hero. Chocolate maroon.
Verschaffeltii. Rich velvet crimson.
J. Burnsham. (New.) Yellow and crimson; spotted.
Midnight. Dark maroon, flamed with crimson; a robust grower.
Striking. Immense foliage; dark crimson in places; marbled maroon, rose and green; all the shades intensely brilliant; extra fine.
Fairy Knoll. Carmine rose, rimmed with velvety maroon.
Innisfallen. A grand bedding variety; rich prune color, blotched with garnet; extra fine.
Kirk Alloway. Blazing shades of color; violet, suffused carmine and rose.
Mrs. Humphreys. Light claret; rimmed yellow.
Ruby. Rich crimson maroon; centre dark rose color, beautifully fringed edges; a superb variety.
Queen of the Lawn. Dazzling carmine, rimmed with velvety maroon. [rated edge].
Rocket. Violet, rose centre, black next and olive green ser.
Tennyson. Dark maroon; rose centre.
Mrs. Bliss. Yellow, pink and bronze.
Emerald. Green, yellow and carmine.
Miss Buist. Black, crimson and green.
Mourning Bride. Black, ribbed deep crimson.
Picturata. Bronze, yellow and green.
Scarlet Prince. Brilliant carmine scarlet, edged crimson.
Bergen Beauty. Scarlet, yellow and maroon.
Atlanta. Dark maroon, flamed carmine.
Zulu. Crimson maroon, blotched yellow.
Splendeur. Maroon, blotched crimson rose.
Leaves of Autumn. Large foliage; crimson, yellow, pink and bronze.
Golden Bedder. (See special description.)
Progress. Speckled crimson, green and gold.
 For new Coleus of 1885, see page 90.
 10 cts. each; 75 cts. per doz.; \$6.00 per 100.

The plants received yesterday morning in fine condition, with the thermometer 10 degrees below zero.

Mrs. E. MILLER, Ironton, Ohio.

NEW COLEUS, "Golden Bedder."

This great acquisition gives us at last a pure yellow Coleus that will not burn out or fail under ordinarily favorable conditions. Tried side by side with *Verschaffeltii* it stood as well as that variety, while *Oriole* and other yellow kinds were almost burnt up. It is short jointed and of compact style of growth, and requires but little "pinching" back to keep in shape in ribbon lines. We sold 30,000 of this variety alone last season.

10 cts. each; 75 cts. per doz.; \$6.00 per 100.

COLEUS, BEDDING.

We select of those contrasting colors best suited for ribbon lines or for measuring.

Verschaffeltii. The old, well-known brown crimson sort.
Glory of Autumn. Crimson and gold.
Golden Gem. Deep rose, margined bright yellow.
Hero. Deep maroon, almost black.
Golden Bedder. (See special description.)
Kirkpatrick. Blotched white.

10 cts. each; 75 cts. per doz; per 100, \$6.00.

CARNATIONS, MONTHLY—General Collection.

Indispensable either for the decoration of the flower garden in summer or for the green-house or parlor in winter. The varieties we name are among the finest of this beautiful class, and of nearly every shade and marking, and most of them of rich clove fragrance. This class of Carnations is entirely hardy in all places where the thermometer does not fall below zero. We have cut out from our list all inferior kinds, and only offer such as are really the finest.

Snowball. (See page 91.) 50 cts.
Garfield. (See page 90.) 50 cts.
Bock's Seedling. Salmon pink; fringed.
Albany. Dark carmine pink.
Lulu. Light pink.
Vesuvius. Dark crimson; immense size.
Lord Clyde. White and carmine; variegated.
Mrs. McKenzie. Rose color; fringed.
Kate. Dark flesh color; very fragrant.
Ripple. A lovely shade of salmon pink.
Buttercup. (See page 91.) 75 cts.
Philadelphia. Bright scarlet. 50 cts.
Astoria. White, fringed yellow and scarlet. 50 cts.
May Dacre. White, tinged pink.
Bonnie Doon. Bright magenta.
King of Crimson. Dark crimson.
Seawan. Dwarf crimson; new. 50 cts.
Lady Emma. Bright scarlet.
Lydia. Yellow and orange. 50 cts.
Sunset. Yellow.
La Purite. Carmine; dwarf and profuse.
Peter Henderson. (See special description.)
Vixen. Fiery scarlet.
Snowdon. Pure white.
Shellflower. Rosy pink.

20 cts. each; except where noted; \$2.00 per doz.; set of 25 varieties for \$5.00.

CARNATIONS—The Best Winter Flowering.

Our extensive experience in growing plants for winter blooming shows us that in carnations, at least, the number of varieties that yield a great profusion of bloom is very limited. Below will be found a list of the leading sorts grown in this vicinity.

Philadelphia. Bright scarlet. 50 cts.
Snowball. Large white. 50 cts.
La Purite. Carmine; dwarf; profuse.
King of Crimson. Dark crimson maroon.
Snowdon. White; dwarf.
Seawan. Dwarf crimson; new. 50 cts.
Lydia. Orange and rose. 50 cts.

20 cts. each; \$2.00 per doz., except where noted; \$10.00 per 100. Set of 7 for \$2.25. Extra large plants of these sorts in the fall at double the above rates.

DAHLIAS.

12 BEST LARGE-FLOWERING DAHLIAS.

There are so many fine varieties of Dahlias, that we find it difficult to decide on the "12 best," in both the large and small flowering sections. We have many excellent sorts besides those named, but taken as a set this selection can hardly be improved upon.

Beauty. Blush white; extra fine.
Flamingo. Deep vermilion scarlet.
Flora. Magenta shade.
Hector. Cherry red.
John Standish. Vermilion.
Leader. Dark purple.
Miss King. Bright orange; white eye.
Miss Smith. Purplish crimson.
Mammoth. Very large crimson flower.
Oriole. Yellow.
Juarezii. Dark crimson.
Tom Green. Maroon tipped white.

15 cts. each; set of 12 for \$1.50.

Can supply twenty-five other varieties if wanted.

12 BEST BOUQUET DAHLIAS.

Alba Floribunda Nana. White; profuse.
Black Dwarf. Maroon black.
Bride of Roses. Light pink.
Exquisite. Orange, scarlet edge.
Little Lucy. Light Crimson.
Jewel of Austerlitz. Scarlet
Lurline. Light Amber.
Nabob. White and crimson.
Nellie. White tipped purple.
Prima Donna. Rich crimson.
Pursuit. Velvet maroon.
Seraph. Buff, tipped orange.

15 cts. each; set of 12 for \$1.50.

Can supply twenty-five other varieties, if wanted.

DWARF DAHLIA, "Marguerite."

This beautiful new variety was exhibited for the first time at the New York Horticultural Society's rooms, and was considered to be one of the greatest acquisitions of its color we have yet had in Dahlias. It is of perfect double form, about two inches in diameter, and of the richest shade of pink in addition to this, it blooms in the greatest profusion from beginning of August until frost. This quality of earliness is of great value, as many varieties of Dahlias come so late in the season as to greatly lessen their value.

20 cts. each; \$2.00 per doz.

Plants arrived to-day in splendid order. I am an old packer myself, and I must say your system heats all packing I have ever seen.

H. D. BRAND, Emporia, Kan.

GROUP OF NEW SINGLE DAHLIAS.
(One-third natural size.)

SET SINGLE DAHLIAS.

This new section of the Dahlia family has now become exceedingly fashionable, owing to the value attached to the cut blooms, their airy, butterfly-like forms giving the flower a grace never attained by the finest double sorts. The flowers range from three to five inches in diameter, all having a bright yellow centre surrounded with petals running through all the shades of scarlet, crimson, rose, yellow, orange, white, lilac, carmine, etc.

Butterfly. A beautiful shade of pink.

Ballot. Deep carmine; large and showy.

Moonstone. Large, light canary yellow.

Sandusky. Orange; immense size; very distinct disc.

Chancellor. Delicate lilac; large size, free blooming.

Crichton. Maroon, of a rich velvety shade.

White Queen. See special description above. 30 cts.

Corsage. Intense bright scarlet; very fine.

Vicarage. Bright vermillion; large.

20 cts. each, except where noted; set 9 for \$1.50.

DELPHINIUM FORMOSUM.

DELPHINIUM FORMOSUM, Blue Larkspur.

This beautiful hardy plant has curious shaped flowers of a deep blue color, with a white centre. (See cut.)
25 cts. each; \$2.25 per doz.

SINGLE DAHLIA, White Queen.

Pure white lily-like flowers with yellow disc. The great value of this acquisition will be better understood when it is known that it resembles the Amazon Lily (*Eucharis*), being similar in color, and almost as good in form and substance. Flowering through the summer and fall months, until cut down by the frost.

30 cts. each; \$3.00 per doz.

GLARE OF THE GARDEN.

DAHLIA, "Glare of the Garden," (Cactus Dahlia.)

A most valuable and useful decorative plant for all purposes through the late summer and autumn months. Its flowers are of a dazzling scarlet, and much resemble in shape and color the well known Cactus *Cereus Speciosissimus*. Height about three feet, very bushy, flowers of very striking appearance, and quite unlike those of any ordinary double Dahlia, the florets being flat and pointed. (See cut, one-thrd natural size.)

20 cts. each; \$2.00 per doz.

DRACÆNA (Dragon Tree).

Beautiful ornamental leaved plants, much used for centres of baskets or stands, or for specimen plants in parlor or greenhouse.

Draco. Stiff, sword-like, green leaves. 50 cts. each.

Haageana. Green of very distinct habit. \$1.50.

Braziliensis. Large; green. \$2.00 each.

Amabile. Green, tipped pink. \$1.00 to \$2.00 each.

Terminalis. Rich crimson foliage, marked with pink and white. 50 cts. to \$2.00 each.

Indivisa. Green and bronze; narrow leaves. 30 cts. to \$1.50 each.

Fragrans. Large green variety. \$2.00 each.

Ferrea. Dark red. 50 cts. to \$2.00 each.

DAPHNE ODORATA.

An old green-house plant, always scarce. It is evergreen, growing three feet high, bearing clusters of small, pinkish-white flowers, exquisitely fragrant.

60 cts. each; \$6.00 per doz.

I find it necessary once more to express the gratification I have derived from the beautiful condition in which my plants arrived; although I suppose it is a common thing for you to receive such acknowledgments.

WM. FRANCIS BUCKNOR, De Land, Fla.

DIONÆA MUSCIPULA—VENUS' FLY TRAP.

DIONÆA MUSCIPULA. Venus' Fly Trap.

A very interesting plant, a native of most of the Southern States. It takes its name of "Fly Trap" from a curious rat-trap-like formation of the leaves, which are very sensitive. As soon as an insect touches them they close, and remain so as long as the insect continues to struggle. It is easily cultivated in a warm, moist atmosphere, such as a Wardian case or jardinière. This is one of the plants which Darwin claims to feed on insects.

15 cts. each: \$1.50 per doz.

ERIANTHUS RAVENNÆ.

ERIANTHUS RAVENNÆ. "American Pampas."

This ornamental grass, when in full bloom, attains a height of from 8 to 12 feet, occasionally having over 50 flower spikes on one plant, in two or three seasons, from seed. Perfectly hardy. See cut.)

25 cts. each: \$2.25 per doz.

EUPHORBIA SPLENDENS.

A continuous blooming plant, densely covered on the stems with spines an inch in length, giving it a curious appearance; bright scarlet flowers, with a yellow centre; useful for bouquets.

20 cts. each: \$2.00 per doz.; larger plants, 50 cts. each; extra specimens, \$5.00 each.

E. Jacquiniflora. Long racemes of orange scarlet.
50 cts. each: \$4.50 per doz.

EUPHORBIA COROLATA. A hardy species. Very valuable for mixing in bouquets. Flowers greenish white; very graceful.

25 cts. each: \$2.25 per doz.

ECHEVERIAS.

(See Succulents.)

EUCHARIS AMAZONICA, "Amazon Lily."

A lovely hot-house plant, which may be had in bloom almost the entire season, if moderate supply of plants are had, small plants usually sending up stalks which bear five or six large pure white star-shaped flowers, four inches across, deliciously fragrant. It wants a warm atmosphere with plenty of moisture. The flowers bring, at the holidays, very high prices.

1st size, \$2.00 each.
2d " 1.00 "
3d " .50 "
4th " .25 "

For new variety, see page 92.

ERANTHEMUMS.

Attractive ornamental foliated plants for bedding out, or as house or vase plants.

Sanguinea. Dark crimson maroon.

Tricolor. Maroon marbled pink, white and purple.

Eldorado. Green mottled golden yellow.

Marmoratum. Silver and green.

30 cts. each: set of 4 for \$1.00.

EULALIA ZEBRINA OR ZEBRA GRASS.

EULALIA JAPONICA ZEBRINA.

Unlike all other variegated plants, this has its striping or marking across the leaf, instead of longitudinally. It grows from 5 to 7 feet in height, forming a most striking and graceful plant, resembling nothing else that we know of in cultivation. The expanded flower spike resembles the ostrich plume, and when dried will last for years. Plant entirely hardy. Whether used as a single plant or for groups on lawns it has no equal. See cut.

We were the first to put this splendid plant into commerce, paying \$600 for a few plants.

1st size, 75 cts. each.
2d " 50 "
3d " 25 "

EULALIA JAPONICA VAR.

An older variety than the Eulalia Japonica Zebrina. Leaves striped white and green, longitudinally. Next to the Zebrina, the most ornamental of all hardy classes. The flower spikes of both are valuable for parlor ornaments; will keep for years.

1st size, 75 cts. each: \$7.50 per doz.
2d " 50 " 4.50 "
3d " 25 " 2.25 "

I received the plants in fine condition and they looked nicer than any I have received this spring. All are larger than I expected.
Mrs. FRANK PARKE, Fort Smith, Ark.

FICUS ELASTICA.
"India Rubber Plant."

FICUS ELASTICA.

One of the very best plants for house culture. It stands coal gas, dust and neglect better than almost any other plant. We offer some fine specimens. \$1.00 each.

FESTUCA GLAUCA.

An ornamental grass of grayish metallic color, resembling the "needles" of the silver pine. Its native habitat is marshy places, and it is one of the very best plants that can be used for aquariums, though if wished it can be used for any other purpose, as it grows freely in almost any situation.
15 cts. each; \$1.50 per doz.

FEVERFEW (Pyrethrum Parthenium).

The flowers are very large, pure white, double. Continuous flowering; nearly hardy.
15 cts. each; \$1.50 per doz.
For new variety Little Gem, see page 92.

FEVERFEW (Golden).

This is the well known bedding plant commonly called "Golden Feather." For a yellow line in ribbon bedding it is largely used.
10 cts. each; 75 cts. per doz.

FUCHSIAS—General Collection.

We name below the very finest of the old and new varieties, embracing all the various shades of color to be found in this popular class of plants. The letter *D* or *S* placed after each variety indicates whether it has a double or single corolla.

Champion of the World. Corolla violet, sepals coral red and very fine.

Aurora. Corolla orange scarlet, sepals white; *S*.

Beauty of Sherwood. Corolla cherry, sepals white; *S*.

Beacon. Corolla deep carmine, sepals scarlet; *S*.

Vox Populi. Corolla pure white, very free flowering; *D*.

Black Prince. Tube and sepals waxy carmine, pink corolla; *S*.

Bland's New Striped. Sepals scarlet, corolla purple, striped red and rose; *D*.

Carl Halt. Sepals white, corolla striped red and white; *S*.

Elm City. One of the best. Forming large, globular, crimson-scarlet balls; *D*.

Deutcher Kaiser. Corolla claret, sepals bright crimson, distinct; *S*.

Bird of Paradise. Corolla brilliant magenta, sepals crimson; *S*.

Earl of Beaconsfield. Corolla very large, orange and scarlet; *S*.

Lord Macaulay. Dark purple corolla, red sepals; *S*.

Genius. Violet corolla, sepals crimson; *D*.

Meteor. Bronze leaves, very ornamental; *S*.

Mrs. Marshall. Corolla carmine, sepals white; *S*.

Md. Van der Strass. Corolla flesh white, sepals crimson scarlet; *D*.

Joseph Rosain. Very large scarlet sepals, corolla violet blue, striped scarlet; *D*.

Sunray. Foliage variegated pink, green and white.

Snow Cloud. Corolla white, sepals crimson; *D*.

Prince Napoleon. Corolla purple, sepals waxy crimson; *D*.

Striped Banner. Corolla striped purple and rose, sepals rosy scarlet; *S*.

Snow Fairy. The finest double white corolla variety; *D*.

Theresa. Corolla ruby, sepals ere my white; *S*.

Little Alice. Corolla white, bright scarlet sepals; *D*.

Swanley. Corolla r. sy carmine, sepals white; *S*.

Wave of Life. Foliage yellow, corolla violet, sepals crimson; *D*.

Brilliant. Corolla bright scarlet, sepals white; *S*.

Prince Imperial. Corolla purple, sepals recurved, crimson; *S*.

Speciosa. Corolla scarlet, two inches in length, sepals bluish; *S*.

10 cts. each; \$1.00 per doz.; set of 30 sorts for \$2.50.

(For new varieties see page 93.)

The "best dozen" of most brilliant colors and most perfect flowers, our selection, \$1.00.

FERNS.

These beautiful plants are now very generally cultivated; their great diversity and gracefulness of foliage makes them much valued as plants for Wardian cases, ferneries and rock-work, where there is moisture and shade.

30 cts. each; \$3.00 per doz.; set of 20 sorts for \$5.00.

CLIMBING FERN.

FERN (CLIMBING), (Lygodium Scandens).

Either in the house or in a shaded situation out of doors there is no more beautiful climbing plant than this. It attains a height of 15 feet in a season and its dense though filmy growth makes a most graceful appearance. For festooning windows or as a room plant it is admirable.

15 cts. each; \$1.50 per dozen.

FANCY OR SHOW PELARGONIUMS.

Our collection gives all the variety of coloring found in the class. We do not describe them, as the markings and shades are so varied that no description can give a proper idea of what they are.

30 cts. each; \$3.00 per doz.; set 12 varieties, \$3.00.

GERANIUMS, Ivy-leaved—Single.

Although the foliage of this class is of sufficient interest to warrant its cultivation, yet the value is greatly enhanced by the beauty and profusion of its flowers during the spring and summer months, running through the various shades of white, pink and crimson. The list is selected as giving the widest range of color. They are well adapted for rock-work or vases, and for drooping over baskets, or trained on trellises, are unsurpassed; few plants give more satisfaction for house culture, as they may be trained on trellises in any shape desired.

10 cts. each; full set of 22 sorts, \$2.00.

GERANIUMS, New Double Ivy-leaved.

These were received from the celebrated cultivator, Jean Sisley, Lyons, France. They are very distinct and fine, ranging through all the shades of crimson, rose, lilac, white, etc.

20 cts. each; set 12 for \$2.00.

The Ferns reached here in very fine order.

Mrs. H. M. TRUEHEART, Galveston, Texas.

DOUBLE IVY GERANIUM (Madame Dubus).

The form of this double variety is equal to that of the best types of the double Zonal; the color of the "Madame Dubus" is a beautiful pink, equal to Madame Lemoine, or Naomi.
20 cts. each; \$2.00 per doz.

GERANIUMS, Golden Bronze.

This class of Geraniums is admirable for bedding purposes, growing vigorously, succeeding best and assuming their brightest colors during the heat of summer. They not only have attractive foliage, but the beauty and variety of the flowers add additional value to them.

20 cts. each; set 12 varieties for \$2.00.

GOLD AND SILVER TRICOLOR GERANIUMS.

(*Scarcer sorts.*)

These two classes of Geraniums make beautiful pot plants, but do not stand full exposure to our summer suns. We offer
12 best Golden Tricolors, 30 cts. each; \$3.00 per doz.
12 " Silver " 30 cts. " 3.00 "

GERANIUM, "Happy Thought."

This is still much admired. A novel style of leaf variegation in the Geranium, differing from the ordinary form in having a large yellow blotch in the centre of the leaf, with an outer band of green at the margin. Flowers rich magenta rose; dwarf. A good bedder.

20 cts. each; \$2.00 per doz.

SCENTED GERANIUMS.

The sweetly scented foliage of these varieties makes them valued for bouquets and baskets. They embrace in the different odors, Lemou, Nutmeg, Rose, Pennyroyal, Peppermint, Citron, Apple, etc.

10 cts. each; set 12 distinct varieties for \$1.00.

SCENTED GERANIUM, "Mrs. Taylor."

(SCARLET-FLOWERED ROSE.)

A distinct variety of the Scented Geranium, with a strong rose fragrance, and large, deep scarlet flowers of the Hybrid Perpetual class. Combining, as it does, free-flowering qualities with fragrant foliage, it is very useful for summer cut flowers, and as a pot plant for winter cannot be surpassed.

10 cts. each; \$1.00 per doz.

SINGLE GERANIUMS—General Collection.

This class of plants having proved so admirably adapted for bedding purposes in our hot and dry summers, is now cultivated in immense quantities. Below will be found a list comprising old standard varieties, and embracing many of the newer and finer sorts. All inferior kinds rejected.

Aug. Wurtemberg. Bright scarlet; immense truss.
Anna Scott. Fine truss; darkest crimson.
Countess de Courcey. Very light pink.
Dr. Rawson. Deep crimson.
Dazzler. Intense scarlet; striking white eye.
Darwini. Dark violet crimson.
Distinction. Black zone in the leaf; scarlet flowers.
Erckman Chatrain. Very dark crimson.
Gen. Grant. The finest scarlet bedding variety.
" **Sheridan.** Compact habit, scarlet.
Guinea. The nearest approach to a yellow; orange saffron.
Gen. Chanzay. Violet purple.
Hebe. Bright dark pink.
Harry King. Bright scarlet; white eye.
Jean Sisley. Vivid scarlet; white eye.
Kate Patterson. Beautiful orange color.
Little Gem. Dark cherry red.
Master Christine. Bright pink.
M. E. Ballot. Light carmine.
Mrs. Geo. Smith. Salmon color.
Minnehaha. Pink and white.
Mons. Crouse. Salmon color.
New Life. Striped; scarlet and white.
Pauline Lucca. Pure white.
Pliny. Bright carmine.
Prof. Blazina. Very dark crimson.
P. L. Covier. Crimson shaded crimson.
Romeo. Very light pink.
Rev. Mr. Atkinson. Very dark crimson.
Rich'd Dean. Very bright scarlet; white eye.
Rob't George. Intense scarlet.
Snowflake. Fine white.
Souv. de Cuigneau. Bright crimson scarlet.
Sir John Moore. Dark scarlet; large floret.

Tentamarre. Cherry carmine.

Voltaire. Violet carmine.

W. K. Harris. A peculiar shade; salmon streaked cherry.

10 cts. each. Set of 37 varieties for \$3.50.

The "best dozen" richest colors and finest flowers, our selection, \$1.00.

TYPE OF DOUBLE GERANIUM, ENLARGED.

DOUBLE WHITE GERANIUM, ONE-HALF NATURAL SIZE.
(CANDIDISSIMA PLENA.)

DOUBLE GERANIUMS.—General Collection.

The new varieties of the Double, or, rather, semi-Double Geraniums, have now nearly all the compact habits and flowering qualities of the single, with the advantage of their double flower being well adapted for bouquet purposes. Our collection embraces almost every variety worth cultivating, having been culled of all inferior sorts.

Admiration. Bright dark pink.
Anna Monde. Mauve pink.
Batachan. Dark salmon.
Bishop Wood. Crimson shaded cherry.
Bijou. Intense scarlet.
Candidissima Plena. The finest double white. (*See cut.*)
Casimer Perrier. Dark salmon.
Cheerfulness. Salmon, edged white.
Dr. Phinney. Deep crimson.
Double Striped Vesuvius. Striped scarlet and white.
Depute Varnay. Scarlet; large truss.
Dbl. Gen. Grant. Brilliant scarlet; immense size; extra fine.
Ernest Leuth. Very large truss; violet crimson.
Gelein Lowage. Dark scarlet.
Ghirardine. Beautiful pink.
Hazel Kirke. Dark crimson.
H. Cannell. Fine habit; bright scarlet.
Iroquois. Dwarf; bright scarlet.
Jennie Dolfus. Deep magenta.
J. C. Rowland. White and salmon.
Josie Klippart. Bright scarlet.
J. H. Klippart. Intense dark scarlet; fine.
Jno. Thorpe. Pinkish mauve.
Kittaurus. Bright carmine.
Miss Hayes. Beautiful pink.

DOUBLE GERANIUMS—Continued.

M. Pasteur. Very dark rich crimson; fine.
Mrs. E. G. Hill. Flesh color; tinged pink.
Naomi. Dark pink; fine habit.
Nellie Lewis. Salmon scarlet.
Peter Henderson. Vivid scarlet; immense truss.
Ric'd Brett. Carmine; shaded scarlet.
Remarkable. Magenta crimson.
Simon Deleaux. Dark cherry color.
Wm. Hamilton. Very dark crimson.
V. F. Raspail. Intense crimson.

10 cts. each. Set 35 sorts for \$3.00, or our full set of 90 varieties new and old, single and double, for \$9.00.
 The "best dozen" richest colors and most perfect flowers, our selection, \$1.00.

GLOXINIAS.

GLOXINIAS.

These are among the handsomest of our summer-blooming house plants, the rich and varied coloring of the flowers being beautiful in the extreme; flowers 2 inches long, by 1½ inches diameter; upright and pendulous; colors crimson, violet, rose, scarlet, white, etc. The bulbs should be started in April, and after blooming all summer require a season of rest. This can be done by gradually withholding water from them. After they are dried off, they may be kept in a warm, dry cellar, or under the stage of a green-house.

50 cts. each; \$4.50 per doz.

GLADIOLUS, FRENCH HYBRID.

Finest mixed, \$0.75 per doz.; \$4.00 per 100.

" named, 1.50 " 10.00 "

Set of 30 finest named sorts, \$3.50.

HELIOTROPES.

Familiar favorites, always in demand for their exquisite fragrance. We have a superb collection of 20 varieties, ranging in color from darkest purple to pure white.

10 cts. each; 75 cts. per doz.; set 20 varieties for \$1.50.

For New Varieties, see page 94.

HARDY HERBACEOUS PLANTS.

We offer 22 varieties not named elsewhere in this Catalogue. They comprise many old well known favorite plants. They are grown in pots, and can be transplanted at any time.

20 cts. each; \$2.00 per doz.; set of 20 sorts of hardy herbaceous plants, \$3.00.

HIBISCUS (Chinese), Half Natural Size.

These plants are becoming very popular as bedding plants. They are largely used in the public grounds at Washington and other places for this purpose, and of late years have attracted a great deal of attention; they are almost continually in bloom.

Hibiscus Rosa Sinensis. Single red.

" **Aurantiaca fl. pl.** Double orange.

" **Cooperii.** Foliage variegated, white, green and pink.

" **Rubra fl. pl.** Double red.

" **Versicolor.** Crimson and rose.

" **Grandiflorus.** Rosy crimson.

" **Luteus fl. pl.** Lemon color.

" **Fulgidus.** Scarlet crimson.

" **Miniatus.** Vermilion scarlet.

20 cts. each; \$2.00 per doz.; set of 9 for \$1.50.

DOUBLE HOLLYHOCK.

DOUBLE HOLLYHOCKS.

An old-time favorite, and one of the most valued of summer flowers. They embrace all shades of pink, maroon, rose, yellow, etc. We would call special attention to our strain of double white. They are of the purest white, and are almost equal to a double Camellia. All strong roots, sure to flower this season.

10 cts. each; \$1.00 per doz.

For new Dwarf Hollyhock, "Crimson Pyramid," see page 95.

HYDRANGEA—Thos. Hogg.

A most showy and beautiful plant, producing immense heads of snow white flowers. It is not entirely hardy, requiring a little protection during the winter.

1st size, 50 cts. each; \$4.50 per doz.

2d " 30 " " 3.00 "

3d " 15 " " 1.50 "

Your consignment of Roses reached me safely and in fine condition. Accept thanks for the book.

R. H. HEATH, Brockville, Ont., Canada.

HYDRANGÆA PANICULATA GRANDIFLORA.

HYDRANGÆA PANICULATA GRANDIFLORA (Syn. H. Deutzæfolia).

One of the finest hardy shrubs in cultivation; the flowers are formed in large, white panicles, or trusses, six inches in length. The shrub grows to a height and breadth of four or five feet, and as the flowers slightly droop, few plants have the grace and beauty presented by this magnificent shrub; for cemetery decorations it has no equal. Continues in flower from August to November. (See cut.)

1st size, 60 cts. each.
2d " 30 " "

MOON FLOWER OR EVENING GLORY.

IPOMEA NOCTIFLORA,

Syn. Calonyction Grandiflora, Moon Flower or Evening Glory.

There are few plants we have ever sent out that have been so satisfactory as this; hundreds to whom we sent it have written

to us about the satisfaction it has given. One lady says that it was trained on strings to a balcony 25 feet high and 40 feet wide, and that from August to November it was covered *nightly* with its white moon-like flowers from five to six inches in diameter. It has also a rich, Jessamine-like odor at night. (See cut.)

20 cts. each; \$2.00 per doz.

**JASMINUM HIRSUTUM,
Bridal Jasmine.**

The engraving shows a single branch of this beautiful plant. Each shoot is studded with pure white flowers of exquisite fragrance.

50 cts. each; \$4.50 per doz.

IVIES, ENGLISH (Hedera Helix).

Well-known hardy creeping or climbing plants.

Extra large plants, 50 cts. each; \$4.50 per doz.

2d size, 25 cts each; \$2.25 per doz.

**NEW GERMAN IVY
(Senecio Macroglosis).**

A variety of this popular plant, which has become much more valued than the old sort. It resembles the English Ivy to such a degree that it is often mistaken for it; the leaves have a metallic lustre, the veins and ribs being of a lighter color. It has the same strong, vigorous growth as the common German Ivy, and, for baskets, etc., it is unsurpassed.

30 cts. each; \$3.00 per doz.

**SENECIO SCANDENS, VARIEGATA,
Variegated German Ivy.**

A richly variegated white and green variety of this well known climbing plant. Grows to a height of 15 to 20 feet. A rare and beautiful plant for window culture.

Price 50 cts. each; \$4.50 per doz.

I hasten to acknowledge the receipt of my plants, and desire to say I am delighted with them, and am highly pleased with the manner in which you have treated me.

W. S. COE, Peoria, Ill.

JESSAMINE, CAPE, Gardenia Florida and Radicans.

Flowers white, shaped like miniature camellias; deliciously fragrant.

Strong plants, 50 cts. each; \$4.50 per doz. Smaller plants, 30 cts. each; \$3.00 per doz.

JASMINUM POETICUM.

Similar to the Catalonian Jessamine; flowers smaller but borne on larger spikes. Makes a most valuable climbing plant, though, if desired, it can be grown in bush form.

20 cts. each; \$2.00 per doz.

JASMINUM REVOLUTUM.

A yellow flowered Jessamine, growing rapidly to the height of from ten to twenty feet. A splendid plant for the Southern States, as it is hardy south of Maryland. Very fragrant.

25 cts. each; \$2.25 per doz.

LANTANAS, General Collection.

We have few continuous blooming plants that afford a greater variety of colors than the Lantana. It is yearly becoming more extensively cultivated, so that it ranks as one of the important plants we grow. The varieties we offer have been selected from our importations of the last few years as the most distinct. Twenty distinct varieties. Colors, orange, crimson, yellow, lilac, rose, white, etc.

15 cts. each; \$1.50 per doz.; set of twenty for \$2.50.

LYGODIUM SCANDENS.

(See page 119.)

LIBONIA PEROHIENSIS.

Flowers are cuphea-shaped, maroon, orange and yellow in color. In winter and spring it is one mass of bloom. Few are more attractive. 20 cts. each; \$2.00 per doz.

LEMON VERBENAS, Aloysia Citroidora.

A well known shrub. The exquisitely fragrant leaves are largely used in bouquets, etc.

10 cts., 15 cts. and 25 cts. each.

LONICERA, Honeysuckle.

Belgium, or Dutch Monthly. Very fragrant; blooming all summer.

Brachypoda. Valuable for its remarkably vigorous growth; flowers yellow; fragrant.

Brachypoda Aurea Reticulata. Leaves netted with bright yellow; flowers yellow; fragrant.

Flexuosa. An old favorite; holding its leaves during nearly the entire winter; flowers variegated, red, yellow and white; sweet scented.

Halliana. Another evergreen honeysuckle, with very fragrant white flowers.

1st size, 30 cts. each; \$3.00 per doz.

2d " 15 " " 1.50 "

BEDDING and DROOPING LOBELIAS.

Among the most useful plants for hanging baskets, or for the front or outside row in ribbon lines. Their dwarf habit, and the profusion of their charming blue and white flowers, render them exceedingly ornamental. 10 cts. each; 75 cts. per doz.

LOTUS JACOBÆUS.

A summer blooming plant, with fine, light green foliage, growing two feet in height; flowers dark brown, nearly black; fragrant and borne very freely. 15 cts. each; \$1.50 per doz.

MARANTAS.

Beautiful ornamental leaved plants, generally used as greenhouse plants, but answering equally well for fine baskets or vases, when in partial shade.

Ornata. Foliage green, marbled yellow and bronze.

Mackayana. Pink, crimson, white and green.

Pulchella. Crimson, white and bronze.

Van den Hickii. Under side crimson; upper side dark green, banded silvery gray.

Zebrina. Mottled yellow and dark green.

Amabile. Green, blotched white in centre.

Porteana. Green, streaked white; under side crimson.

75 cts. each; set 7 for \$4.50.

MAHERNIA ODORATA, Honey Bell.

A pretty little plant, completely covered, when in bloom, with yellow bell-shaped flowers; exquisite fragrance.

15 cts. each; \$1.50 per doz.

MADEIRA VINE, or MIGNONETTE VINE.

A well known rapid climber. Glossy green leaves and white flowers. Fragrance similar to Mignonette.

5 cts. each; 50 cts. per doz.

MYRSIPHYLLUM ASPARAGOIDES, Smilax.

There is no climbing plant in cultivation that surpasses this in the graceful beauty of its foliage, and its peculiar wavy formation renders it one of the most valuable of all plants for vases or hanging baskets, as it can be used either to climb or to droop, as required. In cut flowers, particularly for wreaths, it is now considered indispensable by all florists. Its hard texture enables it to keep without wilting for several days after being cut. Its cultivation has now become a specialty in every large city, green-houses being devoted solely to its cultivation. For a parlor or window plant it is indispensable.

10 cts. each; \$1.00 per doz.; \$6.00 per 100.

MYRTUS COMMUNIS, FL. FL., Fragrant Leaved Myrtle.

Flowers white and very double. On large specimens they are produced in great abundance, and make it a very attractive plant. Flowers remain on plant a long time.

25 to 50 cts. each.

PAMPAS GRASS.

PAMPAS GRASS, Cynerium Argenteum.

A stately species of grass from South America, growing six feet in height, with plumes of yellowish white, one to two feet in length; it looks best as a single specimen. As it is not quite hardy north, it requires protection of eight or ten inches of leaves around the roots, or it can be removed to the cellar and replanted in spring.

The plants we offer this season are all certain to flower—the "flower" is the "California Pampas Plume," now so much used when dry for decorative purposes. (See cut.)

20 cts. each; \$2.00 per doz.

PINKS, FLORISTS'.

These are dwarfer than the Carnation, growing about one foot in height, the colors being of the various shades of maroon, carmine and rose, beautifully laced with white; flowers perfectly double, clove scented; plant entirely hardy. The varieties embrace all shades and styles; indispensable for summer bouquets.

15 cts. each; \$1.50 per doz. Set of 16 sorts, including new variety, "Snow," \$2.00.

The case of plants reached me to-day in splendid condition, and look as fresh as if sent from New York to Boston. Please accept my grateful thanks for kindness and liberality.

HENRY YOEELL, Southampton, England.

PILOGYNE SUAVIS.

A rapid-growing climber, with small, glossy green leaves. It does well at all seasons in the house; while out of doors, in the summer, it has no equal for shading the veranda or summer-house. Flowers yellowish white, fragrant; an excellent basket plant. 15 cts. each; \$1.50 per doz.

SET OF PHLOXES.

HARDY PHLOXES.

cut shows single florets, one-half natural size; the full truss is from five to eight inches in diameter.

Czarina. Snow white; profuse bloomer; dwarf habit.
Gerille Steanse. Bright cherry color.
La Perouse. Purple centre, bordered white.
Lothair. Beautiful rosy salmon.
Mdlle. Ledoutte. Centre deep carmine, edged rose.
Mme. Corbay. Centre carmine; border blush white.
Mme. de Caen. Centre deep lake color; border white.
Miranda. Centre delicate carmine, bordered white.
Mons. Malet. Lilac purple; very large.
Mons. G. Brewer. Rosy lilac.
Mutabilis. Cherry pink.
Peleton. Magenta; centre white tinted violet.
Reve d'Or. Dazzling carmine.
Roi des Roses. Deep rose, crimson centre.
Surprise. Purple, mottled with white.
York and Lancaster. Lilac striped white.
 15 cts. each; \$1.50 per doz. Set 20 sorts, \$2.50.

DWARF POMEGRANATE.

DWARF POMEGRANATE, Punica Nana.

A dwarf variety of Pomegranate. It has the peculiarity of flowering profusely, while not more than a foot in height. Well-grown specimens grow about six feet in height, by three feet in diameter; plants of this size in bloom are truly magnificent. The color of the flower is a peculiar shade of orange scarlet—a very rare color, brilliant in the extreme. The plant blooms from October to December. As it is deciduous, after

blooming, it can be kept in a cellar or under the stage of a green-house, until it is time to start it to grow again in May. In any of the States where the thermometer does not fall to fifteen degrees below freezing, it is entirely hardy. (See cut.)

Extra large plants, price, 75 cts. each; \$7.50 per doz.

PINKS,

"Summer Garden Varieties."

Comprising over a dozen distinct and beautiful varieties; colors white, crimson, rose, violet, maroon, etc., etc.; exceedingly well adapted for summer bouquets; blooms from June to November. Single and double.

10 cts. each; 75 cts. per doz.

PALMS.

We now grow in large quantities a great many varieties of this popular family. Our list of varieties this year is larger and our prices lower, quality of plants and scarcity of varieties considered.

Corypha Australis. A splendid robust grower. \$1.00 to \$3.00 each.
Sabal Adamsonii. \$1.00 to \$2.00 each.
 " **Blackburniana.** 50 cts. each.
Seaforthia Elegans. Very fine. \$1.00 to \$2.00 each.
Cayota Urens. 50 cts. to \$3.00 each.
Chamærops Humilis. \$1.00 each.
 " **Fortuni.** \$1.50 each.
 " **Excelsa.** \$1.00 each.
Latania Borbonica. This Palm is too well known to need any description; its strong constitution and other general characteristics render it one of the most easily grown. 50 cts. to \$3.00 each. (See cut.)
Brahea Filamentosa. (Thready Palm.) \$1.00 each.
Oreodoxia Regia. (Royal Palm.) 50 cts. to \$2.00 each.
Cycas Media. A scarce variety. \$1.00 each.
Cocos Flexuosa. \$1.00 each.
Areca Lutescens. Very graceful. \$2.00 to \$3.00 each.
 " **Lapida.** \$2.00 each.
 " **Rubra.** Scarce and fine. \$1.50 to \$5.00 each.
 " **Alba.** Fine. \$1.00 each.
Cocos Weddelliana. \$2.00 each.
Phoenix Dactylifera. (Date Palm.) 50 cts. each.
Areca Baureil. 50 cts. to \$1.50 each.
Kentia Fosteriana. \$2.00 each.

Set 21 varieties, 1st size, \$40.00.
 " " 2d " 20.00.

PANSIES, NEW FANCY.

We sell seeds and plants of these Pansies to many hundreds of customers each season, and they always give the highest satisfaction. Pansies are now being largely used for bedding purposes, vases, etc., and this new and fine type has greatly increased their popularity.

Plants, 75 cts. per dozen. Seeds, 20 cts. per packet; set of 12 packets, \$1.50.

PASSIFLORA, Passion Flower.

These beautiful and interesting plants climb to a height of 20 or 30 feet if desired. "P. Cœrulea" is hardy, with a slight protection, in this latitude—color varying in the different sorts—blue, crimson, white, etc.

Passiflora Pfordti. Purple.
 — **Cœrulea.** Blue, hardy.
 — **Alba.** White.
 — **Buist's Hardy.** Blue; very abundant bloomer.
 — **Loudoni.** White; small.
 — **Decasaine.** Purple.
 — **Alata.** Blue and white.
 — **Arc-en-ciel.** Purple and violet.
 — **Smithi.** Carmine.

15 cts. each; \$1.50 per doz. Set of 9 sorts, \$1.25.

POINSETTIA PULCHERRIMA.

A tropical plant of gorgeous beauty, the bracts or leaves that surround the flower being, in well grown specimens, one foot in diameter, of the most dazzling scarlet. In a hot-house temperature of sixty degrees it begins to bloom in November, and remains expanded until February. This peculiarity of blooming in the heart of winter makes it largely in demand for baskets and vases of cut flowers at the holidays in our large cities.

25 cts., 50 cts., \$1.00 and \$3.00 each, according to size.

DOUBLE POINSETTIA.

Price, 50 cts., \$1.00, \$2.00 and \$3.00 each.

The plants arrived yesterday in splendid condition. They are more than satisfactory; far better than anything we had dared hope for. P. F. O'SULLIVAN, West Point, Neb.

NEW FANCY HYBRID PETUNIAS.

Our seedling Petunias have justly gained a country wide reputation. They are one of our specialties, to which we devote great attention. All the seed from which these plants are raised was saved from the finest flowers, carefully hybridized by hand. This new race of Petunias is characterized by the immense size of the flowers, and brilliancy of colors, which comprise the varied shades of rose, purple, white, crimson, maroon, pink, etc., beautifully fringed and striped.

Seedlings, mixed, single, 10 cts each; \$0.75 per doz.

" " double, 15 " " 1.50 "

DOUBLE PETUNIAS.

The deterioration of double Petunias that have been cultivated for a number of years makes the raising of new varieties a necessity. Our collection is unsurpassed for brilliancy of colors and size of flowers. They include all the brightest shades of pink, purple, rose, white, crimson, etc.

Bogota. Long white tube; edged violet.

Aqueduct. Pure white.

Lady Maud. White edged rose; extra fine.

Tattler. Crimson and white; very double.

Standard. White, spotted crimson; fringed.

Shaft. Marbled carmine and white.

Launcelot. Semi-double crimson, edged white.

Falsetto. Purple and white.

Magician. White, blotched maroon.

Heron. Dark fringed, mottled white.

Kentucky. Velvety maroon, speckled white.

Bandit. Light lilac and white.

20 cts. each; set of 12 for \$2.00.

PENTSTEMONS.

This beautiful class make fine plants of from eighteen inches to two feet in height, and are in continuous bloom from the time they are planted in May until frost; flowers in spikes of Gloxinia-like form, shaded and mottled in all colors of white, blue, scarlet, crimson and pink.

10 cts. each; \$1.00 per doz. Set of 12 sorts for \$1.00.

PRIMROSE, DOUBLE WHITE CHINESE.

A most profitable plant for winter flowers, well grown specimens, from November to April, yielding often 500 flowers. Always a scarce plant, being slow to increase, hence the high price.

Large plants, \$1.50 each; \$12.00 per doz. Smaller, \$1.00 each; \$9.00 per doz.

PRIMROSE, CHINESE, SINGLE RED, WHITE, ETC.

One of the finest winter blooming plants, the single varieties blooming more profusely than the double sorts, and of easier culture; they are especially adapted for window gardening, giving an abundance of bloom during the winter months. Care should be taken, however, not to keep them too wet.

15 cts. each; \$1.50 per doz.

PANDANUS UTILIS.

PANDANUS UTILIS (Screw Pine).

So called from the arrangement of the leaves on the stem. It is a beautiful plant, excellently adapted for the centres of vases or baskets, or grown as a single specimen. It is a rather scarce plant, but our stock is large, and we offer it low, size of plants considered. No plant is better suited for room culture. (See cut.)

1st size, \$1.50 each.

2d " 1.00 "

3d " .50 "

4th " .25 "

RONDELETIA ANOMALA.

This neat little plant should be in every collection. It flowers when quite small, and continues in bloom all summer, and if lifted and potted makes an excellent winter blooming plant. Flowers bright vermillion.

15 cts. each; \$1.50 per doz.

RUELLIA FORMOSA.

A winter flowering, Salvia-like plant, bearing flowers of the most brilliant scarlet during the entire winter months.

15 cts. each; \$1.50 per doz.

RUSSELLIA JUNCSEA.

A splendid basket plant of neat, slender habit, with very bright scarlet flowers, which are very conspicuous. This is one of the very best plants for centres of baskets and vases, as by its drooping habit it resembles a perfect shower of scarlet blossoms.

15 cts. each; \$1.50 per doz.

A Double Abutilon was displayed in the button-hole of a member of the Floral Committee at the last meeting of the Royal Society, and was much admired. The flower was of a buff-tinted orange color and perfectly double. This fine novelty was raised by Mr. Peter Henderson, of New York.—From "Gardener's Chronicle," London, England.

SALVIA.

SALVIAS.

- Greggi.** (See Novelties.) 50 cts.
Mrs. Mitchell. (See Novelties.) 50 cts.
Rosea. A distinct winter-flowering Salvia, with rich, rose colored flowers, borne in spikes six inches in length.
Splendens. (Scarlet Sage.) Flower spikes of the most brilliant scarlet.. (more dwarf.)
 — **Gordonii.** Differs from the above variety in being much
 — **Alba.** A white variety of "Splendens," identical in every respect, except in color, which is pure white.
 — **Patens.** A variety well suited to contrast with the scarlet, the flowers being of the richest blue.
Fulgens Var. Winter flowering, with bright scarlet flowers; the foliage white, pink and rose.
Officinalis Var. A beautiful tricolored variety of Sage; leaves white, green and pink, blotched.
Heeri. A winter flowering Salvia. Flowers glossy scarlet, with a carmine tint.
Tricolor. Cherry and white.
Bethelii. Pink, rose and white.
Marmorata. Striped crimson and white.
Mrs. Stevens. Dark maroon.
Rutilans. Apple scented.
 10 cts. each; \$1.00 per doz., except where noted. Set of 15 sorts [for \$2.00.]

STENOTAPHRON.

This plant is supposed to be a native of Japan, and has proved to be one of the most desirable plants for baskets, vases and urns; and for a bracket in window decoration it has no equal, its elegant grass-like foliage, striped with white and creamy-yellow, with long pendant shoots of from one to two feet in length, are remarkably distinct. The cultivation is of the very easiest, succeeding admirably in any location. The plant has also proved a great acquisition in the now popular carpet and pattern bedding designs. 25 cts. each \$2.25 per doz.

SCUTTELARIA.

Scarce and beautiful plants, the ends of the branches of which are terminated with spikes of beautifully colored flowers; very ornamental.

- Purpurea.** Rosy purple.
Pulchella. Rosy crimson.
 15 cts. each; \$1.50 per doz.

NEW DWARF STEVIA,
Stevia Serrata Nana.

A very distinct variety of the well known winter flowering Stevia Serrata, introduced by us. It never grows over 18 inches high, and it produces a denser mass of flowers than the old variety. The flowers are whiter, and it is a great improvement in every respect.

- 1st size, 50 cts. each; \$4.50 per doz.
 2d " 30 " " 3.00 "
 3d " 15 " " 1.50 "

SUCCULENTS.

This class of plants now enter largely into fine carpet bedding operations, particularly the Echeverias and Sempervivums, while the Sedums (which are perfectly hardy) are unequaled for a permanent adornment of rockwork, etc.

- Echeveria Secunda Glauca.**
Echeveria Rosacea.
Echeveria Retusa Florabunda.
Sempervivum Californica.
Sempervivum. Twelve other varieties.
Mesembryanthemum Roseum. (See cut.)
Mesembryanthemum. Six other varieties.
Sedums (hardy). Twenty-five distinct sorts.
 Any of the above, 10 cts. each; \$1.00 per doz.

TRADESCANTIA MULTICOLOR.

A beautiful new variety, which has proved a great acquisition to our list of basket plants. It is of creeping or drooping habit; foliage brightly marked and streaked with rose, white, pink, bronze, and green. 20 cts. each; \$2.00 per doz.

TRADESCANTIA DISCOLOR.

A strong growing sort, the leaves borne upright; the under side violet-purple, the front light green; good for centres of baskets, vases, etc. 50 cts. each; \$4.50 per doz.

TRADESCANTIA.

- Vulgaris.** (Wandering Jew.) A drooping sort, with bright, glossy, green leaves.
Zebrina. Leaves striped with silvery white, on a dark ground.
Aquatica. Very small, green leaves, for aquariums, hanging baskets, etc.
Crassula. A strong-growing variety, with white flowers.
Repens Vittata. Bright green, striped white; a very effective basket plant.
Discolor. (See special description.) 50 cts.
Multicolor. (See special description.) 20 cts.
Buchanani. Much larger than Zebrina. Same marking.
 10 cts. each; \$1.00 per doz., except where noted. Set of 8 sorts for \$1.00.

TRITOMA GRANDIFLORA MAJOR,
Red Hot Poker Plant.

We offer a greatly improved variety. The spikes are a foot in length, and three inches in diameter, of the brightest shades of orange and scarlet; plants certain to flower.
 20 cts. each; \$2.00 per doz.

TUBEROSE, DOUBLE.

Any one may grow the Tuberose with certainty of flowering it, if the following condition are observed: In buying bulbs be sure that the flower-germ is sound, for on this point depends success; for if that has decayed, all the attention and care bestowed upon them will be of no avail. They should never be planted in the open ground, in the vicinity of New York, before the 20th of May. In planting, remove all off-shoots from the sides of the bulbs, and plant about four inches deep. Bulbs planted under these conditions will not bloom much before September. When wanted earlier they can be started in pots.

All flowering bulbs.

1st size, extra, 12 cts. each; \$1.25 per doz.; \$9.00 per 100.

2d " 9 " 1.00 " 6.00 "

3d " 6 " .60 " 4.00 "

Started in pots, 25 cts. each; \$2.25 per doz.; \$15.00 per 100.

DOUBLE TUBEROSE, "Pearl."

The value of this over the common variety consists in its flowers being of double the size, imbricated like a rose, and its dwarf habit, growing only from eighteen inches to two feet in height. In other respects it is the same as the common sort. Introduced and named by us.

Extra sized bulbs, 15 cts. each; \$1.50 per doz.

Large blooming, 10 " 1.00 "

Smaller, 8 cts. each; 75 cts. per doz.; \$4.00 per 100.

Started in pots, 25 cts. each; \$2.25 per doz.; \$15.00 per 100.

TORENIA ASIATICA.

One of the prettiest summer plants for vases or hanging baskets; flowers blue, of a Gloxinia-like shape; flowers during the summer months. 15 cts. each; \$1.50 per doz.

NEW DOUBLE TROPEOLUM, "Herman Grasshoff."

A very distinct sort of great value. Flowers from two to three inches across, of a bright orange scarlet color. As double as a Balsam. 15 cts. each; \$1.50 per doz.

NEW BEDDING TROPEOLUM, "Volcano."

Of dwarf, compact habit, attaining a height of only nine inches with us last season. Color very dark vivid scarlet. One mass of bloom throughout the summer.

15 cts. each; \$1.50 per doz.; the two for 25 cts.

VERBENAS—Best of our General Collection.

The following varieties of Verbenas we have selected from our large collection as those combining the best qualities for sale or for bedding purposes, embracing a wide range of color; are distinct free bloomers, altogether a set that will give satisfaction.

Avenger. Dark crimson scarlet, white eye.

Beauty of Oxford. Dark pink; immense size.

Gen. Custer. Brilliant crimson, dark eye.

Guardman. Deep maroon, round yellow eye.

Ivanhoe. Rich blue, white eye.

Mrs. Wilson. Striped white, pink and crimson.

Miss Arthur. Dazzling scarlet; very fine.

Mattie. Shell pink.

Negro. Black; extra fine.

Nemesis. Brilliant scarlet, white eye.

Silver Plume. Finest white.

Willie. Violet crimson, yellow centre.

10 cts. each; 75 cts. per doz.; set of 24 varieties, including the twelve new varieties (see Novelties), for \$3.50.

VINCA.

VINCA ROSEA, ALBA, and OCULATA.

This is a most attractive plant, blooming the entire summer season, forming a handsome shrub two feet in height and diameter. Of the three sorts named, the first is carmine or rose, the second pure white, and the third white, with crimson centre. (See cut.) 15 cts. each; \$1.50 per doz.

\$50 FOR 12 BUDS OF "SUNSET."**IN TWO PRIZES.**

We offered a Special Prize of \$50 for twelve buds of SUNSET ROSE, that was competed for on the first Tuesday in December, 1884, at the rooms of the New York Horticultural Society:

For the first best twelve buds of Sunset, \$30.00, the award was given to W. K. Harris, Philadelphia, Pa.

For the second best twelve buds of Sunset, \$20.00, the award was given to John Henderson, Flushing, N. Y.

Foreign Grape Vines for Vineries.

We have a large stock of the finest varieties in splendid condition, with particularly well ripened canes. Parties who propose erecting new graperies, or who wish to replenish their stock, will do well to write us. The varieties marked "H." are suited for hot graperies; those marked "C." are for cold graperies; those marked "H. & C." will do in either.

Muscat Black. Bunch well formed, berry oval, black. H. & C.

Muscat of Alexandria. Large grape, of light golden color; the most popular of the white kind. H.

Sweet Water. An early kind, pale amber, well flavored. H. & C.

Black Hamburg. Sweet and juicy; a well known excellent sort. H. & C.

White Malvoise. White. H. & C.

White Frontignan. Berries nearly white; bunch medium. H.

Calabrian Raisin. Bunches large and well formed; amber white. H. & C.

Charlesworth Tokay. White, delicious flavor. H. & C.

1st size, \$1.50 each. 2d size, \$1.00 each. 3d size, 50 cts. each.

Prince Albert. Black; very late. H.

Royal Muscadine. White; berries small, early. H. & C.

Muscat Cannon Hall. Large white. H.

Muscat Hamburg. Similar to Black Hamburg, with Muscat flavor. H. & C.

Duchess of Buccleugh. White. H.

Mrs. Pines Muscat. Black. H.

Royal Ascot. Black. H. & C.

Lady Down's. Black. H.

Lady Down's Seedling. Black. H.

White Syrian. Fine white. H.

Muscat Blanc Haytien.

Plants and Shrubs came in excellent order, though (through some delay) they were a week on the way. I am much pleased with them.
C. T. WINSTON, Chapel Hill, N. C.

NOVELTIES

IN

LOW RATE COLLECTIONS.

Last year, for the first time, we offered the "Novelties of the Season" in low priced collections. The large number which we sold and the great satisfaction which they gave encourages us to offer now even greater inducements. Persons ordering these novelties in collection secure them at nearly half the regular rates, and we always send best plants.

COLLECTION No. 1.

SUNSET, and 12 other finest
New Monthly **ROSES** for
\$5.00

Sent free by mail; or if by express the buyer must pay charges, but we will send large plants to compensate.

Sunset. Color amber, shaded orange; largest size; exquisite fragrance; ever-blooming; probably the finest Rose in cultivation. See page 99.....	\$1 00
Mignonette. Light rose color.....	25
Marie de Montravel. Pure white.....	50
Andre Schwartz. Crimson, shaded orange.....	50
Queen's Scarlet. Deep scarlet.....	30
Etoile de Lyon. Canary yellow.....	50
Camoens. Salmon, shaded silvery pink.....	50
Md. Remond. Sulphur yellow, margined red.....	75
L'Elegant. Carmine, penciled white.....	75
Red Malmaison. Scarlet crimson.....	1 00
American Banner. Striped crimson and white.....	30
Nancy Lee. Deep rose color.....	30
Md. C. Guinnessean. Golden yellow.....	75

At catalogue rates the above costs \$7.40, but which we here offer for \$5.00.

\$7 40

Besides this—we will include with the above as premium a copy of Peter Henderson's new work, "*Garden and Farm Topics*," a handsome work of 250 pages, containing a steel portrait of the author. The price of the book alone is \$1.50. (See Introductory for detail of contents.)

COLLECTION No. 2, for \$6.00 nett, Contains:

2 New Ageratums	\$0 50
1 " White Pink, "Snow,"	75
1 " Bouvardia, Vulcan	50
1 " Carnation, Seawan	50
1 " Coleus, Firebrand	50
1 " Daisy Crimson Button	30
1 " Eucharis Sanderi	1 00
1 " Climbing Hydrangea	75
1 " Impatiens Sultana	25
6 " Double Petunias (Superb)	4 50

At catalogue rates comes to..... \$9 55

We will send Collection 2 free by mail, or if by express, larger plants being sent (buyer to pay expressage), for \$6.00, to which we will add gratis the new book, "*Garden and Farm Topics*," value \$1.50.

COLLECTION No. 4, for \$4.00 nett, Contains:

1 New Canna, Ehemanni	\$0 50
1 " Calceolaria, Creole Queen	30
1 " Coral Plant	50
1 " Coleus, Yellow Bird	50
1 " Carnation, Buttercup	75
1 " Geranium, King Olga	50
1 " Salvia, Mrs. Mitchell	50
1 " White Wistaria	2 00
1 " Heliotrope, Purple and Gold	30

At catalogue rates comes to..... \$5 85

We will send the above free by mail, or if by express (buyer to pay charges), for \$4.00.

COLLECTION No. 3, for \$5.00 nett, Contains:

1 New Bouvardia, Thos. Meehan	\$0 50
1 " Double Abutilon	30
1 " Asparagus, Tenuissimus	1 00
1 " Geranium, Md. Sollerai	30
1 " Heliotrope, "King of Night,"	60
3 " Coleus (1885)	90
1 " Streptosolen Jamesoni	25
6 " Gladiolus (named)	1 00
6 " Verbenas (1885)	1 50
1 " Areca Baureii	1 00

At catalogue rates comes to..... \$7 35

We will send the above free by mail, or if by express (buyer to pay charges), for \$5.00, and give gratis the book, "*Garden and Farm Topics*."

COLLECTION No. 5, for \$3.00 nett, Contains:

1 New Hollyhock, Crimson Pyramid	\$0 75
1 " Heliotrope, Swanley Giant	30
1 " Lilium Harrisii	75
1 " Salvia Greggii	50
1 " Violet, Swanley White	50
1 " Zealand Flax	75
1 " Feverfew, Little Gem	30
1 " Double Sunflower	50
1 " Bessera Elegans	30
1 " White Tigridia	25

At catalogue rates comes to..... \$4 90

We will send the above free by mail, or by express (buyer to pay charges), for \$3.00.

Or, we will send the five complete collections, making the largest and finest assortment of new and rare plants ever grouped together in one offer, for \$21.00 by express only (buyer to pay charges).

As purchasers are entitled to three copies of the new book by the terms of the above offer, where only one copy is desired, we will send the five collections and one book for \$18.00.

It will be understood by purchasers that we do not present the book with either of the collections Nos. 4 or 5.

The Grape Vines and Chrysanthemums reached me two days ago in fine order. I could but write and thank you for prompt attention.
Mrs. C. E. DOUGLAS, Crockett, Texas.

SPECIAL LOW PRICED LIST OF PLANTS,

Which we will send in the Following Collections,

Free by Mail, for \$1.00,

Or by Express (buyer to pay charges), on the conditions named at the end of this List.

PLEASE TO READ CAREFULLY THE CONDITIONS BELOW BEFORE ORDERING.

Each collection (unless otherwise stated) contains all DISTINCT VARIETIES of the newest and most approved kinds, of OUR SELECTION, each plant being labeled; to such, however, as do not care for the plants being labeled, 25 per cent. in number will be added to each collection; for example, we will send eight distinct kinds of Winter-flowering Roses, *labeled*, for \$1.00, or ten equally distinct and good kinds, *unlabeled*, for \$1.00. When ordering, therefore, say whether you desire the collection to be "named" or "unnamed." It must be distinctly understood that the kinds in each class must be OUR SELECTION; when varieties are wanted to special name, they will only be sent at the rates named in Catalogue.

For \$1.00 we will send, Free by Mail:

- or, 8 **Achyranthus**, crimson, violet and yellow leaves.
- or, 6 **Abutilons**, (Chinese Bell Flower), orange, crimson, etc.
- or, 6 **Ampelopsis**, in variety (hardy climbers.)
- or, 8 **Ageratums**, colors white, dark violet, blue, rose, etc.
- or, 8 **Alternantheras**, varieties for edging, etc.
- or, 4 **Azaleas** (Chinese), colors white, scarlet, etc.
- or, 8 **Basket Plants**, most approved kinds.
- or, 6 **Begonias**, scarlet, orange, white, rose, crimson, etc.
- or, 4 **Begonias**, tuberous-rooted—scarce.
- or, 6 **Begonia Rex**, ornamental foliage.
- or, 6 **Bouvardias**, scarlet, rose, criméon, white, blush, etc.
- or, 6 **Cannas**, dark varieties, tropical-looking.
- or, 6 **Centaureas**, white-leaved, for edging.
- or, 4 **Cactus**, night blooming, lobster, etc.
- or, 10 **Coleus**, bedding varieties.
- or, 6 **Coleus** (new of this season), beautiful foliage.
- or, 6 **Caladiums** (fancy), leaves spotted and mottled.
- or, 2 **Calla Ethiopica** (white), flowering plants.
- or, 2 **Camellia Japonica** (double), with buds, colors crimson and white.
- or, 6 **Carnations** (monthly), crimson, scarlet, variegated, etc.
- or, 6 **Chrysanthemums** (small flowering), colors crimson, yellow, rose, white, pink, maroon, orange, etc.
- or, 6 **Chrysanthemums** (large flowering), colors crimson, yellow, rose, white, pink, maroon, orange, etc.
- or, 6 **Chrysanthemums** (new Japanese), colors crimson, yellow, rose, white, pink, maroon, orange, etc.
- or, 4 **Clematis**, white, purple, etc.
- or, 6 **Climbing Ferns**, one of the finest house plants.
- or, 4 **Crotons**. Choice varieties.
- or, 4 **Cyclamen Persicum**, shades from white to criméon.
- or, 2 **Dracenas** (dragon tree), terminalis and indivisa.
- or, 6 **Dahlias**, large flowering, all colors.
- or, 6 " bouquet varieties, all colors.
- or, 6 " new, single.
- or, 8 **Daisies**, finest mixed.
- or, 6 " (new Paris), white, blue and yellow.
- or, 6 **Echeverias**.
- or, 4 **Eranthemums**.
- or, 6 **Ferns**, best fitted for house culture.
- or, 6 **Fuchsias**, all colors, double and single.
- or, 4 **Gloxinias**, beautiful and scarce house plant.
- or, 4 **Grape Vines**, white, bronze, black and purple fruit.
- or, 8 **Gladiolus**, for summer flowering.
- or, 6 **Geraniums** (single zonale), the finest of our collection.
- or, 6 **Geraniums** (double zonale), the finest of our collection.
- or, 6 **Geraniums** (scented zonale), the finest of our collection.
- or, 6 **Geraniums** (ivy-leaved), excellent for trellis or baskets.
- or, 8 **Heliotropes**, colors all shades of purple, violet, etc.; each lot includes new white "Snow Wreath."
- or, 4 **Hibiscus** (Chinese), scarlet, crimson, orange, etc.
- or, 4 **Honeysuckles**, evergreen, coral and Japan.
- or, 4 **Hardy Shrubs**.
- or, 6 **Hardy Climbing Plants**.
- or, 6 **Hydrangeas**, white, and the different shades of pink.
- or, 4 **Jasminum** (Jessamine), colors white and yellow.
- or, 6 **Lobelias**, ever blooming, blue, white and lavender.

- or, 6 **Lantanas**, white, orange, pink, criméon, etc.
- or, 6 **Mesembryanthemum**, wax pink.
- or, 6 **Mosses** (Lycopodium), best fitted for house culture.
- or, 4 **Oleanders** (DOUBLE), white, etc.
- or, 2 **Palms**, large, fancy leaves, used for decorating.
- or, 4 **Poinsettia Pulcherrima**, large scarlet bracts.
- or, 6 **Petunias** (double), purple, crimson and white.
- or, 8 **Petunias** (single), striped and blotched; very fine.
- or, 8 **Pinks**, summer garden varieties, in flower all summer; crimson, pink, maroon and white; sure to please.
- or, 8 **Pansies**, new German varieties; very fine.
- or, 8 **Phlox**, hardy; white, crimson, rose, violet, etc.
- or, 6 **Passifloras** ("Passion Flower Vine").
- or, 4 **Primulas** (Chinese), colors white, crimson, rose, etc.
- or, 6 **Roses**, Hybrid Perpetual (hardy), white, pink, crimson, etc.
- or, 8 **Roses**, (Monthly Tea), white, crimson, rose, violet, yellow, etc.
- or, 6 **Snapdragons**, criméon, white, yellow, scarlet, etc.
- or, 6 **Sedums** ("Stone Crop").
- or, 6 **Succulents**, "Crassulas," etc.
- or, 6 **Salvias**, colors blue, scarlet, crimson, white and rose.
- or, 6 Scarce summer flowering plants.
- or, 8 Scarce ornamental foliage plants.
- or, 6 **Smilax**, the climbing plant used for festooning.
- or, 6 **Stevias**, color white, winter flowering.
- or, 8 **Strawberries**, those offered in our colored plate as the "Cream."
- or, 8 **Tradescantias**.
- or, 6 **Tropæolums**, orange, maroon, scarlet, rose, etc.
- or, 8 **Tuberose Pearl** (the dwarf, large flowered kind).
- or, 16 **Verbenas**, very finest kinds.
- or, 6 **Veronicas**, feather-like, violet, rose, blue, etc.
- or, 6 **Violets**, (scented), colors white, and dark and light blue.
- or, 8 **White-Leaved Plants**.
- or, 25 **Var., Flower Seeds**.
- or, 20 " **Vegetable Seeds**.

No order is filled for less than one dollar, but we allow buyers to *have* collections if they desire it; for example, we will send 3 Abutilons and 2 Azaleas for \$1.00, but no further divisions of the collections will be made. Although it is a convenience to have plants sent by mail to places where there is no express office, yet in all cases where plants can be sent by express, we always advise them so sent; for not only are we enabled to sell much cheaper, but larger plants can be sent, and they invariably arrive in better condition. We therefore offer the above collections to be sent by express, *buyer to pay charges*, at the following exceedingly low rates: Three collections for \$2, five for \$3, nine for \$5, twelve for \$6, twenty-one for \$10, or forty-five for \$20, or the 86 collections (541 varieties of plants, bulbs and seeds—sufficient to stock a green-house or garden) for \$35, to which our hook "Gardening for Pleasure," and Catalogue (value \$1.75), will be added; in cases where any of the collections of plants or seeds are *not* wanted, we allow the purchaser to strike out and duplicate any other collection offered.

NOTICE.—On all orders to amount of \$5.00 and upward from the Low Rate Collections list, we will add, GRATIS, a plant of the splendid new Tea Rose, "Sunset."

We will give a discount of ten per cent. from above prices on all cash orders received and shipped before April 1st. But under no circumstances will we give any discount after that date.

SMALL FRUIT AND VEGETABLE PLANTS.

HARDY GRAPE VINES.

- Prentiss.** Bunch large; berry of medium size; color, yellowish green, sometimes tinted rose color; flavor similar and equal to many of the hot-house grapes—resembling much the variety known as "Sweet Water." It is immensely productive.
Price, strong two-year-old plants, \$1.00 each; one-year-old, 75 cts. each.
- Moore's Early.** Ripens two weeks earlier than any other good sort now in cultivation. The bunches are large and compact; berries large, black.
- Concord.** One of the best old sorts. Bunch and berries large. Color black, with a rich bloom. When only one variety is grown, plant the Concord.
- Delaware.** Red, bunches compact, berries small, sweet and of the most excellent flavor. For quality there is no American Grape to equal it.
- Early Black.** Resembling the Concord in style of growth and berry, ripening two weeks earlier.
- Wilder.** (Rogers' No. 9.) An excellent variety, berries medium, bunches rather small, color light bronze, a good bearer.
- Agawam.** (Rogers' No. 15.) Berries large, of bronze color, bunches of good size and form, one of the best light Grapes.
- Rogers' No. 17.** Resembles the preceding in size and general characteristics, but darker in color.
- Salem.** (Rogers' No. 22.) A splendid white Grape, tinged with pink.
- Rogers' Bronze.** Berry above the medium, bunches large, well formed, berry very sweet.
- Essex.** (Rogers' No. 41.) An improvement on the Concord, berries of the same size, bunch larger and better formed, excellent flavor.
- Brighton.** Color bright reddish bronze. Bunch and berries above the average. Flavor exquisite; a most abundant bearer, entirely hardy; one of the very best.
- Iona.** Somewhat similar, but deeper in color. An old and valuable sort.
- Gertner.** (Rogers' 14.) Color black; bunch and berries full average; flavor excellent.
- Herbert.** Very large; black; fine flavor.
- Diana.** Bronze; very juicy; medium size.
- Crevling.** Black.
Price (*except where noted*):—Very strong two-year-old plants, 40 cts. each; \$4.00 per doz. Full set of 17 kinds, including "Prentiss," in two-year-old plants, \$6.00 per set. For instructions in pruning and cultivating grapes, see "Gardening for Pleasure."

BLACKBERRIES.

- Kittatinny.** Very large and of excellent flavor. Per doz., \$1.50; per 100, \$8.00.
- Lawton.** Very large, juicy and sweet. Per doz., \$1.50; per 100, \$8.00.
- Wilson's Early.** Flavor rich and good, ripens early. Per doz., \$1.50; per 100, \$8.00.

CURRANTS.

- Cherry.** Dark red; the best variety for market. Each, 20 cts.; per doz., \$1.50; per 100, \$10.00.
- Versailles.** Best for table use. Each, 20 cts.; per doz., \$1.50; per 100, \$10.00.
- White Grape.** The best white Currant. Each, 20 cts.; per doz., \$1.50; per 100, \$10.00.

GOOSEBERRIES.

- Houghton's Seedling.** A vigorous and very productive variety, not affected by mildew. Probably the best American Gooseberry. 20 cts. each; \$2.00 per doz.; \$12.00 per 100. Three-year-old, 50 cts. each; \$4.00 per doz.

RASPBERRIES.

Red Varieties.

- Clarke.** Berries light crimson, very sweet and highly flavored. Per doz., \$1.50; per 100, \$8.00.
- Hudson River Antwerp.** Very productive and excellent. Per doz., \$1.50; per 100, \$8.00.
- Philadelphia.** Very hardy and productive. Per doz., \$1.50; per 100, \$8.00.

Black Varieties.

- The Gregg.** A new black Raspberry, or "Black Cap," of the largest size, enormously productive and excellent flavor. Price, 25 cts. each; \$2.50 per doz.
- Rochelle.** A "Black Cap" of large size, having a delicious sub-acid flavor. As a prolific bearer it has no equal, producing four quarts to the plant. Price, 35 cts. each; \$2.50 per doz.
- Doolittle's Black Cap.** Large, sweet and juicy. Per doz., \$1.50; per 100, \$8.00.
- Mammoth Cluster.** One of the largest black Raspberries. Per doz., \$1.50; per 100, \$8.00.

Yellow Variety.

- Brinckle's Orange.** Largest size and exquisite flavor. We have very strong plants of this variety.
50 cts. each; \$4.50 per doz.; \$25.00 per 100.

CABBAGE AND CAULIFLOWER PLANTS

(NOW READY)

That have been *wintered over in cold frames*, and are ready to plant out at any time from *February* to end of *April*, of the following varieties. Special rates by the 1,000.

If by mail, add 25 cts. to 100 price.

- Cabbage.** Henderson's Early Summer. (Cold frame.) Per 100, \$1.25; per 1,000, \$20.00.
— Early Jersey Wakefield. (Cold frame.) Per 100, \$1.25; per 1,000, \$10.00.
— Early Flat Dutch. (Cold frame.) Per 100, \$1.25; per 1,000, \$10.00.
- Cauliflower.** Early Dwarf Erfurt. (Cold frame.) Per 100, \$3.00; per 1,000, \$20.00.
— Henderson's Early Snowball. (Cold frame.) Per 100, \$3.00; per 1,000, \$20.00.

LETTUCE PLANTS.

(NOW READY.)

- Early Curled Simpson.** (Cold frame.) Per 100, \$1.00.
Black Seeded Butter. (Cold frame.) Per 100, \$1.00.
— **Hot-bed plants of the above (Cabbage, Cauliflower and Lettuce) ready May 1st, at half above rates.**

PEPPER PLANTS.

(READY MAY 15TH.)

- Large Bell or Bull Nose.** Each, 10 cts.; per doz., \$1.00; per 100, \$6.00.
Sweet Mountain. Each, 10 cts.; per doz., \$1.00; per 100, \$6.00.

RHUBARB ROOTS.

Rhubarb Roots may be planted early in spring or in fall, setting the roots three feet apart each way; if planted in spring on ground well prepared, a full crop may be gathered the succeeding season. It requires but little labor; once planted, it will remain in bearing condition for three or four years, only requiring a top dressing of manure dug in in spring or fall.
20 cts. each; \$2.00 per doz.

EGG PLANTS.

(READY MAY 15TH.)

- N. Y. Improved.** Each, 10 cts.; per doz., \$1.00; per 100, \$6.00.
Black Pekin. Each, 10 cts.; per doz., \$1.00; per 100, \$6.00.

TOMATO PLANTS.

(READY MAY 1ST.)

- Perfection.** (New.) Per doz., 40 cts.; per 100, \$3.00.
Acme. Per doz., 40 cts.; per 100, \$3.00.
Paragon. Per doz., 40 cts.; per 100, \$3.00.
The Trophy (from headquarters seed). Per doz., 40 cts.; per 100, \$3.00.
Early Smooth Red. Per doz., 40 cts.; per 100, \$3.00.
New York Market. Per doz., 40 cts.; per 100, \$3.00.
Gen. Grant. Per doz., 40 cts.; per 100, \$3.00.

HITCHINGS & CO.'S Green-House Heating and Ventilating Apparatus

FIVE STYLES OF BOILERS, EIGHTEEN SIZES.

Corrugated Fire Box Boilers.

Corrugated Saddle Boilers.

Base Burning Water Heaters.

Improved Conical Boilers.

HEATING PIPES AND CONNECTIONS.

Fire Doors and Grate Bars for Brick Furnaces.

SASH RAISING APPARATUS AND SASH LIFTING RODS.

HITCHINGS & CO.,

Send four cents postage for Illustrated Catalogue,
with References and List of Prices.

233 Mercer St., New York.

ESTABLISHED 1765.

The Oldest Existing Pottery in the United States.

A. H. HEWS & CO.,

MANUFACTURERS OF

Plain and Fancy Earthenware,

ART POTTERY FOR DECORATION.

Flower Pots a Specialty.

TO AMATEURS:

Our facilities for supplying you with one dozen or one thousand Flower Pots, with Plain and Fancy Window and Hanging Pots, is unsurpassed by any other firm in the United States. Our goods are delivered to Cars, Boats or Express free, with a small charge for *packages* only. Breakage is rarely known, and the freight charges, as a rule, are very reasonable. Our Price List is sent free on application.

CARD.

For the convenience of our patrons in New York City, Jersey City and Long Island, we have established a Store House on Vernon Avenue, Long Island City, where can be found a full assortment of Green-house Pots, in large or small quantities. Post Office Address, A. H. HEWS & Co., Box 105, Long Island City.

NOTE. —All inquiries *outside* these limits must be addressed to

A. H. HEWS & CO.,

NORTH CAMBRIDGE, MASS.

In writing, please give Messrs. Henderson's Catalogue credit for this advertisement.

NOW READY!

AN ENTIRELY NEW BOOK ON AMERICAN FARMING, ENTITLED

HOW THE FARM PAYS.

By WILLIAM CROZIER and PETER HENDERSON.

The following extract from the introduction will give a fair idea of the scope and plan of the work: "It is doubtful if any book on agriculture has ever been written in this country of which the writers have had opportunities for such extensive and varied experience as have the authors of this work. Wm. Crozier is perhaps now better known than any other farmer on this continent, principally from the fact that for the past twenty years the exhibition of his fine stock and other farm products has enabled him to take more prizes than any other working farmer in the country, and that to-day the dairy and farm at Northport, L. I., on which these products have been raised, are models worthy of imitation by the tens of thousands engaged in farming who have failed to make it the profitable business that it has been and still continues to be to Mr. Crozier. The co-author, Peter Henderson, although not a farmer, has long been considered, as is well known, an authority on all matters relating to practical garden work. In this work Mr. Henderson tells in plain words the manner of growing such vegetables and fruits as can best be made profitable on the farm, besides interchanging with Mr. Crozier his opinion on such operations of the farm as his long practice in cultivating the soil enables him to do. . . . The idea was conceived of getting the work up in conversational form, the words as spoken being taken down by a stenographer. This simplified the work of book making greatly, and it is believed that given in this way it has been made plainer and more interesting to the reader than if written in the usual manner. The benefit of this plan is derived from the fact that the answer often suggests the question, just such as the reader would be likely to ask, but with no one at his elbow to answer."

PRESS NOTICES.

"Besides colloquies between the two authors on the subjects under discussion, it contains a number of papers prepared by Mr. Henderson on various occasions, and a good deal has been added to complete the range of topics embraced, which includes pretty much the entire circle of the farm and garden crops and live stock. As would be expected, everything is treated in a practical way, and so as to attract the reader's attention at once."—*Country Gentleman, Albany, N. Y.*

"The entire work is eminently practical, concise, and brimful of useful information and advice of value to those engaged in the cultivation of the soil. No one can read the work without feeling amply repaid for its cost and the time devoted to its perusal, and no one who commences it would lay it aside before having read every page, so pleasing and attractive is its style."—*American Garden, New York.*

"Nothing that is really necessary on a well cultivated farm is overlooked, and while the book is not a scientific dissertation on agriculture, it is written in an agreeable style, and will not disappoint those who seek plain, practical information in regard to matters pertaining to the farm and the farmer's garden."—*Weekly Sun, New York.*

"In this book, which is the outcome of forty years of successful farming and gardening by the authors, there is presented a store of information that is at once fresh, trustworthy, and written in a readable style withal."—*Chicago Tribune.*

"Mr. Crozier, the practical farmer, gives practical hints and valuable instruction in the course of this work to every tiller of the soil, whether the vocation is one for profit or merely as an amateur. * * * * * Mr. Henderson's directions for the farm culture of vegetables and fruits are equally clear and practical."—*Commercial Gazette, Pittsburgh, Pa.*

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