Figs. 8, 9, 10. Three longitudinal horizontal sections of chick at beginning of 9th day of incubation, starting from the more dorsal region, seen from ventral side (all × 9).

Figs. 11, 12, 13. Three longitudinal horizontal sections of chick at beginning of 10th day, starting from the more dorsal region, seen from ventral side (all × 6).

Figs. 14, 15, 16, 17. Four longitudinal horizontal sections of chick-embryo at beginning of 12th day, starting from more dorsal region, seen from ventral side (all × 5).

Fig. 18. Longitudinal vertical section of chick about the beginning of 10th day (× 4).

Figs. 19–24. Transverse sections of embryo-chick at about beginning of 10th day (seen from behind), starting from the umbilical region and running forwards (all × 6).

Fig. 25. Outline of embryo of which figs. 5, 6, 7 show sections taken parallel to the straight lines (enlarged).

Figs. 26–28. Transverse sections of chick about beginning of 12th day (sketched from behind). The sections running forwards. (Sections at this stage through the lung-region much resembled figs. 23 & 24 all × 6.)

Fig. 29. Shows the various cavities in the trunk-region of the Duck, exposed by removing the ventral body-wall (reduced).

Fig. 30. Shows the animal (nat. size) from which the sections shown in fig. 11, 12, 13 were cut and the direction of cutting them, as well as the originals of figs. 14–17.

Figs. 31–34. Sketches of dissections of Tupinambis teguixin described in the text (¼ nat. size).

Fig. 35. Sketch of young Crocodile (unhatched) (× $\frac{1}{2}$), each line indicates the approximate position of the section whose figure has the corresponding number.

Figs. 36–38. Transverse sections of young unhatched Crocodile (seen from behind) (× 1½).

Figs. 39–41. Longitudinal horizontal sections of young unhatched Crocodile, seen from ventral side (× 1¼).

Fig. 42. To show the cavities and septa displayed on removing the ventral body-wall of young Crocodile, seen from ventral side (× 1½).

Fig. 43. Longitudinal horizontal section of young Crocodile, seen from ventral side, to show the communication between the right pulmo-hepatic recess and the post-hepatic part of the peritoneal cavity (× 1¼).

Figs. 44–47. Transverse sections of adult fowl; 44 and 46 sketched from in front, 45 and 47 from behind (reduced).

2. On the Lepidoptera of Japan and Corea.—Part III.¹


[Received August 10, 1889.]

(Plates L.–LIII.)

1. ACRONYCTA CUSPIS.

Noctua psi, Hüb. Noct. fig. 504.

Acronyzta cuspis, Treit. Schmett. v. 1. p. 32; Guen. Noct. i. p. 43.


Two examples, coll. Pryer. I took a specimen at Gensan in July.

Lepidoptera of Japan & Corea.
Lepidoptera of Japan & Corea
Lepidoptera of Japan & Corea.
Rather larger and darker in colour than most of my specimens from Europe.
Yokohama (Jonas and Pryer); Oiwake (Pryer); Gensan (Leech); North China; Europe.

2. Acronycta tridens.
Acronycta tridens, Treit. Schmett. v. 1. 26; Guen. Noct. i. p. 43.
Several specimens coll. Pryer, labelled A. increta. I took examples at Gensan. In his Catalogue of the Lepidoptera of Japan Pryer says of the larva of this insect, “very like A. tridens, which also probably occurs here.”

The largest example in my series from Japan measures 50 millim. in expanse.
Yokohama (Pryer and Manley); Gensan (Leech); Europe.

3. Acronycta psi.
Phal.-Noctua psi, Linn. x. p. 514.
Noctua psi, Esp. Schmett. iv. pl. 115. figs. 1–4.
Acronycta psi, Treit. Schmett. v. 1. 30; Guen. Noct. i. p. 43.
Four examples taken by myself at Gensan in June, and Fushiki in July. There were no specimens in Mr. Pryer’s collection.
Gensan, Fushiki (Leech); Europe.

4. Acronycta digna.
Acronycta michaël, Oberth. Etud. d’Ent. x. p. 18, pl. ii. fig. 13 (1884).
Several specimens, coll. Pryer.
I have received this species from my native collector, who took three examples at Gensan in July.
Except that the secondaries of some examples are tinged with yellow, this species has no character in common with Thalpophila cytherea, the insect with which Mr. Butler compares his digna; further it does not agree with the characters of the genus Thalpophila, Hüb., as diagnosed by Walker (Cat. Lep. Het. ix. p. 214), especially as regards the antennae, which in digna are simple in both sexes.
Ranges from 40 millim. to 52 millim. in expanse.
Yokohama, Oiwake (Pryer); Corea, Sidemi (Jankowski).

5. Acronycta herculea.
Acronycta herculea, Feld. Reis. Nov. cix. fig. 2.
Acronycta luticoma, Grote, var. elongata, Oberth. Etud d’Ent. x. p. 20, pl. ii. fig. 3 (1884.)
Four examples, coll. Pryer.
Yokohama, Oiwake (Pryer); Sidemi (Jankowski).
6. ACRONYCTA MAJOR.


I took this species at Hakodate and there were specimens in Pryer’s collection, one of which, from the Kuriles, is a pale form with but few markings. In his Catalogue Pryer gives a brief description of this variety and proposed for it the name of snowi.

Tokio (Fenton); Yokohama (Pryer and Manley); Hakodate (Leech); Kuriles (Snow); Amur.

7. ACRONYCTA BRUMOSA.

Acronycta brumosa, Guen. Noct. i. p. 52 (1852).

Several specimens, coll. Pryer.

This is a variable species, some of the examples being dark; others are identical with typical brumosa, whilst one or two specimens are much paler.

Yokohama (Pryer and Manley); Gensan (Nat. Coll.); North America, Virginia.

8. ACRONYCTA LIGUSTRI.

Noctua ligustri, Fabr. Mant. 172; Esp. Schmett. iv. pl. 119. figs. 2–4; Hübn. Noct. pl. 5. fig. 21.


One example, coll. Pryer.

Oiwake (Pryer); Europe.

9. ACRONYCTA CONSANGUIS.


Several specimens, coll. Pryer. I have also received the species from Mr. Manley of Yokohama, and my native collector obtained it at Hakodate in June 1887. Closely allied to A. menyanthidis from Europe.

Yokohama (Pryer and Manley); Hakodate, Tokio.

10. ACRONYCTA PRUINOSA.

Acronycta pruinosa, Guen. Noct. i. p. 53 (1852).


Plataplecta pruinosa, Moore, Lep. Ceyl. iii. p. 5, pl. 144. fig. 3 (1884).

A fine series, coll. Pryer.

This species very closely resembles auricoma of Europe, but the orbicular is larger and whiter.

Yokohama, Oiwake (Pryer); Silhet, Java, Ceylon.
11. Acronycta alni.

Phal.-Noctua alni, Linn. Syst. Nat. xii. p. 845.
Noctua alni, Esp. Schmett. iv. pl. 116. figs. 4–6; Hübn. Noct. pl. i. fig. 3.

Acronycta alni, Treit. Schmett. v. 1. 16; Guen. Noct. i. p. 51.

One very typical example, coll. Pryer. Yesso (Pryer); Europe.

12. Acronycta leporina.

Phal.-Noctua leporina, Linn. Syst. Nat. x. p. 511.
Noctua leporina, Esp. Schmett. iv. pl. 91. figs. 1–5; Hübn. Noct. pl. 3. fig. 15.

Acronycta leporina, Treit. Schmett. v. 1. 38; Guen. Noct. i. p. 46.

Two examples, coll. Pryer. Oiwake (Pryer); Hudson’s Bay; Europe.

13. Acronycta subornata, sp. n. (Plate L. fig. 6.)

Primaries dark grey, clouded with blackish and mottled with white, double serrated basal and denticulate inner lines black with an abbreviated white band between them, the outer line is double, denticulated and curved, interspace whitish; reniform outlined in black with a central black curved line, orbicular white, outlined in black with a black centre; a short black longitudinal streak from the base and an indistinct dagger-mark at inner angle; fringes mottled grey, spotted with black at the base: secondaries fusco-fuliginous grey; central spot, transverse line, and broad outer border blackish; fringes chequered black and white. Under surface of primaries fuliginous grey; costa whitish, spotted with black, central spot and transverse line black: secondaries silvery white, clouded with dark grey along the costal and marginal areas; a black costal spot unites with the central one forming a short transverse bar; central transverse denticulate line black; fringes whitish dashed with black. Head and thorax grey; patagia dark grey edged with black.

Expanse 48 millim.

Four specimens. Two, coll. Pryer, one taken by my native collector at Gensan in July and one from Yokohama.


Phal.-Noctua rumicis, Linn. Syst. Nat. x. p. 516.
Noctua rumicis, Esp. Schmett. iv. pl. 117. figs. 8, 9; Hübn. Noct. 9.

Acronycta rumicis, Treit. Schmett. v. 1. 38; Guen. Noct. i. p. 53.

A fine series, coll. Pryer.

I took specimens at several places in Japan and at Gensan in July and August, 1886. I have also received the species from my native collector, who took it at Nikko and Gensan.

Japanese specimens of P. rumicis are, as a rule, rather darker than those from Europe.
Yokohama (Pryer and Leech); Shimonoseki, Tsuruga, Tokio, Hakodate, Nagahama, Gensan (Leech); Kiukiang and Chang Yang (Pratt).

15. Pharetra longa.

_Acronymyx longa_, Guen. Noct. i. p. 54 (1852).
Several specimens, coll. Pryer. I took examples at Gensan in July, and Hakodate in August.
The colour of secondaries ranges from whitish in the type to bright yellow, var. _lutea_.
Oiwake (Pryer); Yokohama, Gensan (Leech); Amur, N. China; West Canada, N. America.


One example, coll. Pryer.
I took a specimen at Nagahama in July, and have since received it from Mr. Manley of Yokohama, and also from my native collector, who took examples at Nikko.
Yokohama (Pryer and Manley); Nagahama (Leech); Nikko.

17. Hyboma strigosa.

_Noctua strigosa_, Fabr. Mant. ii. 142.
_Noctua favillacea_, Esp. Schmett. iv. pl. 127. fig. 4; Hübner Noct. pl. i. fig. 2.
_Acronymyx strigosa_, Treit. Schmett. v. 1. 23; Guen. Noct. i. p. 51.
Several examples, coll. Pryer.
I took the species in Satsuma in May.
Ranges in expanse from 32 millim. to 39 millim., and seems to be uniformly larger than European examples.
Yesso, Oiwake (Pryer); Hakodate, Gensan (Leech); Europe.

18. Plataplecta subviridis.

Several specimens, coll. Pryer.
I took the species in Satsuma in May.
Yokohama (Jonas and Pryer); Satsuma (Leech); Chekiang.


A fine series, coll. Pryer.
In one rather pale example the lines are very faintly defined. The specimens vary from 30 millim. to 40 millim. in expanse.

Yokohama (Pryer).

20. Gerbatha ypsilon.


One example, coll. Pryer.

Yokohama (Pryer).


Three specimens, coll. Pryer.

I took one example at Gensan in July.

Tokio (Fenton); Yokohama (Pryer); Gensan (Leech).

22. Bryophila algæ.


I took two examples at Fushiki in July, and there were several specimens in Pryer's collection.

Yokohama (Pryer); Fushiki (Leach); Lenkoran; Europe.

23. Selepa manleyi, sp. n. (Plate LII. fig. 1.)

Primaries shining violet-grey, basal and costal areas tinged with greenish, discal area broadly suffused with dark grey; basal line pale, inner and outer lines black, the former is curved and indented, the latter simply curved and followed on costa by a blackish cloud bordered with whitish above inner margin; submarginal line broad, blackish, not extending to costa; the orbicular is punctiform and the reniform is represented by three dots forming a triangle: secondaries fuscous grey, darker towards outer margin. Under surface grey; primaries clouded with fuscous, two transverse central lines and submarginal band darker; secondaries with a central spot and two transverse lines dark grey, a black oblique dash near base of inner margin.

Expanse, ♂ 25 millim., ♀ 31 millim. Five specimens received from Mr. Manley of Yokohama.

Var. clara. The discal area is not suffused with dark grey, the transverse lines are strongly defined and double, the interspaces are white.

One specimen coll. Pryer and one Yokohama.

24. Moma orion.

Noctua orion, Esp. Schmett. iv. pl. 108. figs. 4–7; Hüb. Noct. pl. 5. fig. 22.

Dipthera orion, Treit. Schmett. v. 1. 50; Guen. Noct. i. p. 36.


Several specimens, coll. Pryer.
I took this species at Gensan.
Yokohama, Oiwaie (Pryer); Gensan (Leech).

25. **Moma confusa**, sp. n. (Plate L. fig. 5.)

♂. Primaries violet-grey, discal area clouded with darker; two short white basal lines; the central area traversed by two black-edged white transverse lines, which are intersected by a white streak from the base; this latter is branched and, together with the transverse line, forms a somewhat intricate network; submarginal line blackish, wavy, and sharply angulated below the costa; a white spot at inner angle: secondaries pale whitish brown, central transverse line and marginal border darker; fringes paler. Under surface of primaries fuscous, paler along inner margin, central lunule whitish, transverse line dark; secondaries whitish, with blackish central spot and fuscous transverse line.

Expanse 36 millim.

One example, coll. Pryer.
Yokohama? (Pryer).

26. **Moma niveola**.

*Moma tapys*, Staud. in litt.

I took one example at Gensan in July.

27. **Pandesma virens**.


A few specimens, coll. Pryer. I also received one specimen from Mr. Andrews, who took it at Hakodate, and my native collector took one example at the same place in June or July.
Yesso (Pryer); Hakodate (Andrews and Nat. Coll.).

28. **Diphtera gemmifera**.

*Diphtera laetevirens*, Oberth. Etud. d’Ent. x. p. 17, pl. ii. fig. 6 (1884).

Three specimens, coll. Pryer.
Yokohama? (Pryer); Sidemi (Jankowski); Nilgiri Hills.

29. **Mythimna grandis**.


An extensive series, coll. Pryer.

I took specimens at Gensan in July.

This appears to be a very variable species. Some of the specimens agree with the type of *M. grandis*, others are identical with *M. divergens*, whilst others, again, resemble *M. grandis* in one character and
M. divergens in another. For instance, a specimen, which as far as regards the relation of inner and outer stripes is of the divergens form, has the outer stripe regularly denticulated. Another example with most of the typical characters has the reniform quite as large as any specimen of M. divergens.

The inner stripe is ill defined in some specimens, and in others it is entirely eliminated, whilst the outer stripe may or may not be denticulated; further, the outer stripe is, in three examples, only faintly indicated and in two others is quite absent. The colour and markings of secondaries are subject to much modification on both surfaces.

Expanse 48 millim. to 60 millim.

Hakodate (Whitely); Yokohama (Jonas and Pryer); Oiwake (Pryer); Gensan (Leech).

30. Mythimna turca.

Phal.-Noctua turca, Linn. Syst. Nat. xii. p. 847.
Noctua turca, Esp. Schmett. iv. pl. 122. figs. 5, 6; Hübn. Noct. fig. 218.
Mythimna turca, Treit. Schmett. v. 2. 181.
Leucania turca, Guen. Noct. i. p. 73.

A fine series, coll. Pryer.

I took specimens at Gensan in July.

The primaries vary in colour from chestnut-brown through ochreous brown to ochreous grey; the transverse lines, usually distinct, are sometimes only faintly visible, and in one specimen from Gensan almost entirely obliterated. In this last example the median nerve and branches are whitish.

Expanse 40 millim. to 56 millim.

Yokohama, Oiwake (Pryer); Tokio (Fenton); Gensan, Hakodate (Leech); Kiukiang (Pratt); Europe.

31. Mythimna rufipennis.

Leucania inanis, Oberth. Etud. d’Ent. v. p. 70, pl. iii. fig. 4 (1880).

A very fine series, coll. Pryer.

Yokohama (Jonas and Manley); Oiwake (Pryer); Askold.

32. Mythimna placida.


Several specimens, coll. Pryer.

My native collector took examples of this species at Ningpo in July.

Tokio (Jonas); Yokohama (Pryer); Ningpo (Nat. Coll.); Kiukiang (Pratt).
33. **Leucania flavostigma.**


**Var. inornata.** (Plate L. fig. 7.)

Several specimens, coll. Pryer.

I have received this species from Mr. Manley of Yokohama, and my native collector obtained it at Hakodate in July. I took specimens at Gensan in July.

Two specimens, coll. Pryer (no. 697), differ from the type in the almost total absence of the usual markings, and the fringes are strongly tinged with pink. I have named this form var. *inornata*.


34. **Leucania decisissima.**


One example, coll. Pryer.

Agrees with Chinese specimens, of which I have four from Kiukiang.

Yokohama (*Jonas and Pryer*); Kiukiang (*Pratt*); Tokio; Darjeeling, Umballa.

35. **Leucania extranea.**


A few specimens, coll. Pryer.

Yokohama (*Pryer*); Kiukiang (*Pratt*); Europe, North and South America, Africa, N. India, New Zealand.

36. **Leucania loreyi.**

*Leucania loreyi*, Dup. Hist. Nat. Lép. Fr. iv. 81, pl. 105. fig. 7 (1827); Guen. Noct. i. p. 84.

*Leucania caricis*, Treit. Schmett. Eur. x. 2. 91 (1835).

Five examples, coll. Pryer.

I have received this species from Mr. Manley of Yokohama.

Yokohama (*Pryer and Manley*); Europe, Brazil, Java.

37. **Leucania nigrilinea, sp. n.** (Plate L. fig. 8.)

Primaries pale ochreous brown, radiated with pinkish between the subcostal and median nerves and clouded with blackish on the external margin below apex; a black longitudinal streak from the base to centre of wing continues after an interval as a blackish shade
to external margin; orbicular stigma represented by a black dot, another black dot precedes the reniform, which is only indicated by a white spot; a pale violet-grey shade below reniform extending towards external margin; a series of black spots arranged irregularly in two parallel transverse lines traverses the disk of the wing: secondaries pale grey-brown, darker towards external margin. Under surface pale silky grey, with a fuscous discal suffusion on primaries.

Expanse 35 millim.

One specimen, coll. Pryer, from Loochoo. Two ♂ and 3 ♀ examples received from Yokohama.

In some examples the transverse series of black spots is not present.

38. Leucania radiata.

Leucania radiata, Brem. Lep. Ost-Sib. p. 48 (1864); Oberth. Etud. d’Ent. v. pl. iii. fig. 5 (1881).


Four examples, coll. Pryer.

Yokohama, Oiwake (Pryer); Amur, Askold, Dharmsala, and Khandalla.

39. Leucania zee.


I took a specimen at Nemoro in August, and my native collector obtained one at Hakodate in June or July.

Nemoro (Leech); Hakodate (Nat. Coll.); Europe.

40. Leucania impura.

Noctua impura, Hüb. Noct. fig. 396.

Leucania impura, Treit. Schmett. v. 2. 294; Guen. Noct. i. p. 92.

One example, coll. Pryer.

Oiwake (Pryer); Europe.

41. Leucania innocens.


Three specimens, coll. Pryer.

Yokohama (Pryer).

42. Leucania conigera.


Noctua floccida, Esp. Schmett. iv. pl. 123. fig. 5.

Mythimna conigera, Treit. Schmett. v. 2. 190.

Leucania conigera, Boisd. Ind. Méth. 131. 1044; Guen. Noct. i. p. 72.

Three specimens, coll. Pryer.

I took one example at Nemoro in August.

Yokohama (Pryer); Nemoro (Leech); Europe.
43. Nonagria turpis.
A fine series, coll. Pryer.
I took one ♀ example at Nagasaki in May.
Yokohama (Pryer); Nagasaki (Leech).

44. Nonagria sparganii.
One specimen, coll. Pryer.
Japan (Pryer); Europe.

45. Nephelodes datanidia.
Two examples, coll. Pryer (no. 711).
Yokohama? (Pryer).

46. Hydræcia nictitans.
Noctua nictitans, Esp. Schmett. pl. 126. fig. 5; Borkh. Eur. Schmett. iv. 463.
Noctua chrysographa, Hübn. Noct. fig. 221.
Phalaena auricula, Donovan, Brit. Ins. xii. pl. 397. fig. 3.
Hydræcia nictitans, Guen. Noct. i. p. 126.
Var. Noctua erythrostigma, Haw. l. c.
A long and variable series, including specimens from Pryer’s collection and others, taken by myself at Gensan in July and Hakodate in August. Sixteen of the twenty-eight specimens are of the erythrostigma form. Var. lucens is also represented.
Yokohama, Oiwake (Pryer); Gensan, Hakodate (Leech); Europe, N. America.

47. Hydræcia petasitis.
Noctua vindelicia, Frey. Neu. Beitr. Schmett. vi. p. 82, pl. 531. fig. 3 (1849).
One example, coll. Pryer.
I took several specimens at Hakodate and Nemoro in August. H. immanis, Guen., from New York, is probably referable to this species.
Yokohama (Pryer); Hakodate, Nemoro (Leech); Europe.
48. *Gortyna edentata*, sp. n. (Plate LI. fig. 9.)

♀. Primaries ochreous brown; inner line oblique, brown, bordered externally with paler; a darker transverse central shade followed by a pale-bordered red-brown line; submarginal line pale, undulating, preceded on the costa by a dark cloud; the stigmata are outlined with pale colour, but ill defined: secondaries pale ochreous, the inner half suffused with fuscous; central spot and curved transverse line fuscous; a thin brownish line at base of fringes. Under surface pale shining ochreous brown, all the wings traversed by a brown transverse line, fringes of primaries darker.

Expanse 38–42 millim.

One ♀ example, coll. Pryer, without exact locality.

I took a specimen at Oiwake in October 1886.

Allied to *G. emarginata*, Butl., but at once distinguished by its different colour and curvature of outer line of primaries. The outer margins are something similar in contour to those of *G. emarginata*, but they are not toothed.

Yokohama (Pryer); Oiwake (Leech).

49. *Ochria ochracea*.


*Noctua flavago*, Esp. Schmett. pl. 112. figs. 2–4 (1788); Hübn. Noct. figs. 186, 187.


A few examples, coll. Pryer.

I took specimens at Hakodate in August and Oiwake in September.

Most of the Japanese specimens (*O. fortis*, Butl.) have the secondaries darker than typical *O. ochracea*, but they do not otherwise differ from European examples of this species in any important particular.

Yokohama (Jonas and Pryer); Oiwake (Pryer and Leech); Hakodate (Leech); Europe.

50. *Helotropha leucostigma*.

*Noctua leucostigma*, Hübn. Noct. fig. 375.


*Apamea leucostigma*, Treit. Schmett. v. 2. p. 331; Guen. l. c.


One unnamed example, coll. Pryer.

I took a long series at Gensan in June 1886, and my native collector obtained a few at Hakodate in June or July of the following year. Both forms of the species are well represented, and there are modifications of each; one of *leucostigma* form is the *Cerastis leavis*, Butl.
Yokohama (Pryer); Hakodate (Nat. Coll.); Gensan (Leech); Europe.

51. **Heliophobus dissectus.**


*Neuria dissecta*, Moore, Lep. Ceylon, iii. p. 22, pl. 146. fig. 7 (1884).

I took one example of this species at Nikko in September. Nikko (Leech); Ceylon, Bengal.

52. **Axylia putris.**


*Noctua putris*, Esp. Schmett. iv. pl. 138. figs. 4, 5.

*Noctua lignosa*, Hübn. Noct. fig. 245.


Two specimens, coll. Pryer.

My native collector took examples of this species at Hakodate in June or July.

Tokio, Hakodate, Foochau; Europe.

53. **Mamestra cuneata**, sp. n. (Plate L. fig. 12.)

♂. Primaries dark brown with a reddish-violet tinge more pronounced towards the outer margin; basal line abbreviated, wavy; the much-indented inner and elbowed and angulated outer transverse lines approximate before reaching the inner margin; submarginal line pale, edged internally with darker and preceded by two cuneiform black dashes, the larger opposite the lower end and the smaller opposite the upper end of reniform; this last, together with the orbicular, are slightly paler than ground-colour; a series of dark contiguous lunules on outer margin; secondaries fuscous brown, paler towards base and inner margin, central transverse line paler. Under surface pale fuscous brown; central spot and transverse line on all the wings blackish, the latter followed by a broad fuscous band.

Expanse 38 millim.

One ♀ example, coll. Pryer, without exact locality.

Yokohama? (Pryer).

54. **Mamestra advena.**


Five specimens, coll. Pryer.

A specimen in National Collection, labelled *Alysia grisea*, Butl., from Japan, is probably referable to this species, but the example is in such poor condition that it is not possible to come to any satisfactory conclusion on this point.

Oiwake, Yokohama? (Pryer); Chang Yang (Pratt); Amurland.

55. **Mamestra brassicae.**

*Phal.-Noctua brassicae*, Linn. Syst. Nat. x. p. 516.
Noctua brassicae, Esp. iv. pl. 159. figs. 1-6; Hübn. Noct. fig. 86.
Mamestra brassicae, Treit. Schmett. v. 2. 150; Guen. Noct. i. p. 198.
This species appears to be generally distributed throughout Japan, occurring from August to October.
Japan; West Canada; Europe.

56. Mamestra aliena.
Noctua aliena, Hübn. fig. 441.
Hadena aliena, Guen. ii. p. 100.
One specimen, coll. Pryer.
Oiwake (Pryer); Europe.

57. Mamestra persicariae.
Phal.-Noctua persicariae, Linn. Faun. Suec. 319.
Noctua persicariae, Esp. Schmett. iv. pl. 129. figs. 1-3; Hübn. Noct. fig. 64.
Mamestra persicariae, Treit. Schmett. v. 2. 156; Guen. Noct. i. p. 199.
Mamestra persicariae, var. unicolor, Staud. Cat. p. 91.
Two examples, coll. Pryer, one of which has the reniform stigma filled up with the black ground-colour. This is var. unicolor.
Oiwake (Pryer); Europe.

58. Xylophasia incognita.
The type specimen in National Collection at South Kensington is so poor in condition that it is not possible to say what it may have been, but Mr. Butler compares his X. incognita with X. lithoxylea and adds, "In coloration this species corresponds more nearly with the Chilian X. cauquenensis than with X. lithoxylea, but in pattern it scarcely differs from the latter."
Yesso (Pryer).

59. Xylophasia scolopacina.
Noctua scolopacina, Esp. Schmett. iv. pl. 130. fig. 1; Hübn. Noct. fig. 460.
Xylina scolopacina, Treit. Schmett. v. 3. 33.
A few examples, coll. Pryer.
My native collector took specimens at Hakodate in June and July.
Oiwake (Pryer); Hakodate (Nat. Coll.); Europe.

60. Xylophasia funerea.
A fine series, coll. Pryer.
I have no example of *H. funerea* from Europe; but Dr. Staudinger has identified as that species my Japanese specimens, which are identical with *X. sodalis*, Butl. There are two forms of this species, one of which resembles typical *X. rurea* from Europe, but is without any pale markings on inner margin; the other is the *funerea* of Hein., and is analogous to the var. *alopecurus*, Esp. (=*combusta*, Dup.), of *X. rurea*.

Oiwake (Pryer); Yokohama (Jonas and Pryer); Tokio, Kiukiang.

61. *Xylophasia commixta*.


Several specimens, coll. Pryer.

One of the two specimens under the name of *X. flavostigma* in the National Collection is from Yokohama and appears referable to the *X. commixta* of Butler.

Tokio (Fenton); Yokohama (Jonas).

62. *Xylophasia scitula*.


Two examples, coll. Pryer.

Yokohama (Pryer).

63. *Xylophasia tychoona*, sp. n.  (Plate LI. fig. 3.)

♂. Primaries purplish brown, mottled with pale ochreous brown on the base and along costa; the black indented inner and elbowed wavy outer line approximate above inner margin, and are united by a black longitudinal bar; submarginal line pale, angulated below costa and again at middle; reniform and orbicular stigmata pale brown, faintly outlined in darker, the former followed by a large pale ochreous-brown patch; there are three pale ochreous-brown dots on costa between outer and submarginal lines: secondaries pale brown suffused with darker; fringes grey-brown, tipped with whitish and preceded by a dark brown line. Under surface fuscous brown, central area and outer margin paler, central line dark but not well defined: secondaries pale brown, central spot and line darker, a broad antemarginal fuscous band interrupted near anal angle.

Expanse 31 millim.

One, coll. Pryer, without locality.

64. *DiPTERYGIA PINASTRI*.

*Phal.-Noctua scabriuscula*, Linn. Syst. Nat. x. p. 516 (1758); Clerck, Icon. pl. 1. fig. 8.


*Noctua pinastri*, Hübn. Noct. fig. 246.

*Xylina pinastri*, Treit. Schmett. v. 3. 58.


A few specimens, coll. Pryer.
My native collector obtained examples of this species at Hakodate in June and July. Japanese specimens are darker than European. Yokohama, Oiwake (Pryer); Yokohama (Nat. Coll.); N. China.

65. Dipterygia japonica, sp. n. (Plate L. fig. 9.)

Closely allied to D. scabriuscula, but the stigmata and transverse lines are hardly traceable, and the "bird's-wing" mark is white and different in form. The dark line which outlines the white wing-like mark in this species rises vertically from near the middle of inner margin, and then curving sharply outwards continues an undulating course to the middle of outer margin. The fringes are dark, streaked with white from apex to middle, and white chequered with brownish to inner angle. Secondaries grey-brown tinged with fuscous. Under surface of primaries fuscous brown, with a pale shining discal spot and some white scales in the fringes towards inner angle; secondaries shining grey-brown, with a dark central spot. Thorax and abdomen slender.

One ♂ example, coll. Pryer (no. 714).

66. Apamea gemina.

Noctua gemina, Hüb. Noct. fig. 482.
Hadena gemina, Treit. Schmett. v. 1. 345.
Noctua submessa, Treit. l. c.

Five specimens, coll. Pryer (no. 725, Xylophasia?, sp.).

Yokohama (Pryer); Europe.

67. Apamea basilinea.

Noctua basilinea, Fabr. Mant. Ins. ii. 183; Esp. Schmett. iv. pl. 166. fig. 1; Hüb. Noct. fig. 427.
Apamea basilinea, Treit. Schmett. v. 2. 110; Guen. Noct. i. p. 206.

Four specimens, coll. Pryer.

In Japanese specimens of this species the space between transverse and central lines on primaries is darker than the rest of the wing, and in this respect they are like some examples I have from Germany. Yokohama (Pryer).

68. Apamea conciliata.


Several specimens, coll. Pryer.

Yokohama (Jonas and Pryer).

69. Apamea repetita.


A few specimens, coll. Pryer.

Yokohama (Jonas and Pryer).

70. **Apamea askoldis.**

_Hadena (Apamea) askoldis_, Oberth. _Etud. d’Ent._ v. p. 72, pl. iii. fig. 13 (1880).


One example, coll. Pryer.

In _A. askoldis_, Oberth., the ground-colour is greyish and the patch from costa a brighter brown than the same character in _A. nivalis_, Butl. At the same time the disposition of the lines and other markings is identical in both insects; therefore I have considered them forms of one species. I should remark that the markings are similar in character to those of _Ophiogramma_ from Europe.

Tokio (Fenton); Yokohama? (Pryer); Askold.

71. **Apamea limbata.**


Five specimens, coll. Pryer.

Yokohama (Pryer).

72. **Polydesma vulgaris.**


Six specimens, coll. Pryer.

Yokohama (Pryer); Tokio (Maries); Chekiang (W. B. Pryer).

73. **Glottula squallida**, sp. n. (Plate LII. fig. 3.)

Primaries shining blackish brown, traversed by two black lines, the first, commencing in a patch on costa, is oblique and angulated at the middle, the second is curved and denticulate; stigmata black; secondaries dark brown. Under surface dark brown, silky; central spot and line on each wing, but the latter is not very distinct.

Expanse, ♂ 36 millim., ♀ 31 millim.

Three examples, coll. Pryer.

Oiwake (Pryer).

74. **Glottula sordida.**


A long and most variable series, coll. Pryer.

I took this species at Hakodate in August 1886, and my native collector at Geusan in August 1887.

Yokohama, Yesso (Pryer).

75. **Spælotis nitens.**


Several specimens, coll. Pryer.
I took examples at Gensan in July, and my native collector at Hakodate in the same month. I have also received it from Nikko. Yokohama (Jonas and Pryer); Hakodate, Nikko (Nat. Coll.); Gensan (Leech).

76. Raphia fasciata.


Hadena parietum, Oberth. Etud. d'Ent. v. pl. iii. fig. 15 (1881)

A few specimens, coll. Pryer.

I took examples of this species at Gensan in June and July, and my native collector obtained it there in August.

Yokohama (Jonas); Oiwake (Pryer); Gensan (Leech).

77. Miana segregata.


Several specimens, coll. Pryer.

Mr. Andrews obtained specimens at Hakodate, and I took a few at Gensan in July.

Yokohama (Jonas and Pryer); Oiwake (Pryer); Hakodate (Andrews); Gensan (Leech); Tokio, Shanghai.

78. Miana vulnerata.


A nice series, coll. Pryer.

I took this species at Gensan in June, and Fushiki in July.

Yokohama (Jonas and Pryer); Fushiki, Gensan (Leech).

79. Miana subfasciata.


Several specimens, coll. Pryer.

I took a few examples at Hakodate in August 1886, and my native collector obtained several specimens there in July 1887.

Tokio (Fenton); Yokohama, Oiwake (Pryer); Hakodate (Leech).

80. Miana falsa.


Two examples, coll. Pryer.

Yokohama ? (Pryer).

81. Mamestra biguttata.


I took specimens at Nagasaki in June, Fushiki and Tsuruga in July, and my native collector obtained the species at Gensan in August.

Tokio (Fenton); Fushiki, Nagasaki, Tsuruga, Gensan (Leech; Nat. Coll.).
82. **Perigea argyrorosticta.**

Tokio (Fenton).

83. **Perigea galaxia.**

One example, coll. Pryer.
Japan (Pryer); Dharmsala?

84. **Perigea gemella**, sp. n. (Plate LIII. fig. 12.)

Primaries dark rusty brown with stramineous markings; first transverse line, represented by a costal spot and some scattered dots across the wing, immediately precedes the well-defined orbicular stigma; the conspicuous reniform spot is preceded by two irregular-shaped dashes on costa, and followed by a transverse series of closely contiguous oblong spots, interrupted by a thin transverse line of the ground-colour; beyond is another irregular-shaped blotch on the costa, and a short dash before apex; fringes dark: secondaries grey-brown, with a darker central transverse line edged externally with paler; fringes sprinkled with fuscous. Under surface of primaries fuscous radiated with paler; all the wings have a dark central transverse line edged externally with paler; secondaries whitish grey, clouded along costa and on outer margin with fuscous.

Expanse 26 millim.

Five specimens, including both sexes, taken by my native collector at Gensan in August and September. I have also received three examples from Mr. Manley of Yokohama.

In two Gensan specimens the upper spots of the central series are confluent and connected with reniform stigma.

85. **Perigea centralis.**

*Cetacea serva*, Walk. l. c. xv. p. 1689 (1858).

The female specimen of this species, to which Walker gave the name of *illecta*, was from Japan, and Butler considers that this insect is referable to *P. dolorosa*, Walk.

Japan; N. India; Ceylon; Andaman Islands.

86. **Ilatia cephusalis.**


I took specimens at Gensan in July 1886, and my native collector obtained a long and variable series there in August 1887.

Gensan (Leech); India, China.
87. **Ilattia stellata.**


A nice series, coll. Pryer.
I took one example at Nagasaki in May, and one was obtained at Hakone in August.
Yokohama (*Jonas and Pryer*); Hakone, Nagasaki (*Leech*); Tokio.

88. **Ilattia apicalis.**


One example taken by my native collector at Gensan, August 1887.
Gensan (*Nat. Coll.)*; Sikkim.

89. **Caradrina morpheus.**


*Noctua sepiii*, Hübn. Noct. pl. 34. fig. 161.

*Caradrina morpheus*, Treit. Schmett. v. 2. 249.

I took one specimen at Gensan in June.
Gensan (*Leech*); Europe, Ural.

90. **Caradrina lenta.**


A series, coll. Pryer.
Japan (*Pryer*); Europe, Altai.

91. **Dadica palpalis.**


*Caradrina albosignata*, Oberth. Etud. d'Ent. v. p. 73, pl. iv. fig. 1 (1880).

*Caradrina albosignata*, var. *ceea*, Oberth. l. c.

I took this species in Satsuma in May, and at Nagahama and Gensan in July. My native collector took specimens at Hakodate in June and July.

A very variable species; my series from Japan and Corea embraces examples agreeing with all the named forms.

92. **Laphygma exigua.**


*Caradrina exigua*, Treit. Schmett. v. 2. 254.

*Laphygma exigua*, Guen. Noct. i. p. 158.

One specimen, coll. Pryer.
Japan (*Pryer*); Europe.
93. **SCEDOPLA REGALIS.**


Four specimens, received from Mr. Manley of Yokohama.

Yokohama (Jonas and Manley); Tokio.

94. **CLOANTHA POLYODON.**

_Phalanx polyodon_, Clerck, Icones, pl. ii. fig. 3 (1759).


_Noctua perspicillaris_, Esp. Schmett. iv. pl. 134. fig. 3; Hüb. Noct. fig. 249.

_Xylinia perspicillaris_, Treit. Schmett. v. 3. 69.


A long series, coll. Pryer.

I took examples of this species in Satsuma in May, at Tsuruga, Fushiki, and Gensan in July; Hakodate in August, and my native collector took some at Ningpo in June.

Yokohama (Pryer); Satsuma, Tsuruga, Fushiki, Gensan (Leech); Kiukiang (Pratt); Ningpo, Darjeeling, Amur, Europe.

95. **OCHROPLEURA STUPENDA.**


_Noctua stupens_, Oberth. Etud. d’Ent. v. p. 75, pl. vii. fig. 7 (1880).

Several fine examples, coll. Pryer.

Varies in colour; some of the specimens agree well with figure of _N. stupens_, Oberth.

Yokohama (Jonas and Manley); Yoshino, Oiwake (Pryer); Gensan (Nat. Coll.).

96. **OCHROPLEURA TRIANGULARIS.**


Six specimens, coll. Pryer.

I have received two examples from Mr. Manley of Yokohama.

This species is only separable from _O. musiva_, Hüb., by the dark secondaries. Dr. Staudinger considers _O. triangularis_ to be very near _stentzi_, Led.

97. **OCHROPLEURA PLECTA.**


A male example, coll. Pryer.
I took two specimens at Gensan in July.
Yokohama (Pryer); Gensan (Leech); Europe, N. America.

98. **Noctua Tarda**, sp. n. (Plate L. fig. 4.)

♀. Primaries purplish brown; a double black basal line, enclosing a paler space, extends only to the submedian nerve, this is followed by a small quadrature black spot on the costa; double inner line black, wavy, and enclosing a pale space, the lower portion clouded internally with blackish; outer line black, also double and enclosing a pale space; before the indistinct pale submarginal line is a blackish streak on the costa, clouded internally with blackish; reniform and orbicular outlined in pale ochreous-brown, with pinkish-brown centres bordered with dark brown, the interspace occupied by a blackish quadrature spot: secondaries grey-brown, darker towards the margins, central spot dark grey-brown. Under surface fuscous grey; primaries streaked with purplish brown on the costa and brassy reflections on inner margins; secondaries pinkish brown, paler towards abdominal margin; a broad black central line on all the wings, and a central spot on secondaries.

Expanse 40 millim.

One example taken by myself at Hakodate, August 1886.

99. **Noctua baja**.


The specimen in the National Museum under the name of *T. tabida*, Butl., is most certainly a form of *Noctua baja*.
Yokohama (Jonas).

100. **Noctua augur**.


I took a specimen of each sex at Oiwake in October.
Oiwake (Leech); Europe; N. America.

101. **Noctua dilatata**.


Several specimens, coll. Pryer.

I have received one rather dark specimen from Mr. Manley.

This species is closely allied to *N. umbrosa* from Europe.

Yokohama (Pryer and Manley).

102. **Graphiphora lepida**.


Six specimens, coll. Pryer.

Yokohama? (Pryer).
103. Graphiphora c-nigrum.
Phal.-Noctua c-nigrum, Linn. Syst. Nat. x. p. 516; Faun. Suec. 36; Clerck, Icones, pl. i. fig. 3.
Noctua gothica, var. singularis, Esp. Schmett. iii. pl. 76. fig. 3.
Noctua c-nigrum, Hüb. Noct. fig. 111; Treit. Schmett. v. 237;
This is No. 782 of Pryer’s Catalogue, and there were several specimens in his collection.
Yokohama, Oiwake (Pryer); Gensan (Nat. Coll.); Europe; N. America.

104. Graphiphora triangulum.
Noctua sigma, Knoch, Beitr. Ins. iii. pl. 4. fig. 7; Esp. Schmett. iv. pl. 186. figs. 1-4.
One ♀ specimen, coll. Pryer.
It is certainly larger, but in all other respects O. plumbata, Butl.,
agrees exactly with some Gensan specimens of O. triangulum in my collection.
Yokohama, Yoshino (Pryer); Tokio (Fenton).

105. Graphiphora ditrapezium.
Noctua tristigma, Treit. Schmett. v. 1. 243.
My native collector took an example at Hakodate in June or July.
Hakodate (Nat. Coll.); Europe.

106. Graphiphora lubentina.
Eight examples, coll. Pryer, and one taken by myself at Hakodate in August.
Probably a form of G. ditrapezium.
Tokio (Fenton); Yokohama, Oiwake (Pryer); Hakodate (Leech).

107. Graphiphora exusta.
Several specimens, coll. Pryer.
My native collector took this species at Hakodate in July, and I have a male example taken by Mr. Eastlake at Hakone.

A very variable species. Two specimens have the basal two thirds of primaries yellowish grey; others have a triangular or quadrangular black spot before the orbicular and a square black patch between the stigmata. Both forms are connected by intermediates with the type form.

Yokohama (Jonas and Pryer); Hakone (Eastlake); Hakodate (Nat. Coll.); Askold; Amur.

108. Graphiphora brunnea.


One example without locality in Pryer’s collection with G. exusta. Although not quite identical with any specimen in my European series of G. brunnea there is no doubt that this example is referable to that species. As, however, it runs very close to some of the forms of G. exusta the probability of this last not being specifically distinct from G. brunnea is suggested.

Japan (Pryer); Europe; Ural; Altai.


Noctua dahlii, Hübn. Noct. figs. 465, 466; Treit. Schmett. v. i. 222; Guen. Noct. i. p. 332.

Several specimens, coll. Pryer.
I took this species at Oiwake in October.

Very variable in size, colour, and definition of markings. Some of the specimens in my Japanese series agree with G. canescens, Butl., others are quite typical, and others again connect these two forms. There are also examples which come very close to G. brunnea, and I may remark that two similar specimens, also from Japan, are incorporated with G. brunnea in the National Collection, whilst two other Japanese specimens in the series of G. subdolens, Butl., in the same collection are simply G. dahlii and do not agree with the Dharmsala specimens in same series.

Tokio (Fenton); Yokohama (Jonas and Pryer); Oiwake (Pryer and Leech).

110. Graphiphora descripta.

Graphiphora rubicilia, Moore, P. Z. S. 1867, p. 55.

A nice series, coll. Pryer.
I took specimens at Hakodate in August, Nikko in September, and Oiwake in October.
Yokohama (Pryer); Oiwake, Nikko, Hakodate (Leech); Darjeeling; Amur.

111. **Graphiphora illoba.**

Ill. Typ. Lep. Het. iii. pl. xlv. fig. 7 (1879).

*Graphiphora pacifica*, Butl. A. M. N. H. (5) i. p. 165 (1878);

An extensive and variable series, coll. Pryer.
I took this species at Yokohama in October.
The difference between *G. illoba* and *G. pacifica*, Butl., is one of colour only.

Yokohama (Jonas and Pryer); Oiwake (Pryer); Kiukiang (Pratt).

112. **Graphiphora deparca.**

Several specimens, coll. Pryer.
I took two males at Oiwake in October.
Except that the ♂ of this species has pectinated antennæ it is hardly separable from *G. festiva*. Mr. Butler says it is allied to *Mythimna placida*, but in this I cannot concur.

Yokohama (Pryer); Oiwake (Leech).

113. **Chersotis quadrisigna.**

I received one specimen from Mr. Manley of Yokohama.

Yokohama (Manley); N. India.

114. **Hermonassa cecilia.**


Several specimens, coll. Pryer, among which are examples varying in the direction of *O. arenosa*, Butl., which is certainly a pale form of *O. cecilia*. I took a specimen at Nikko in September 1886 which agrees exactly with the type of *O. arenosa* in the National Collection at South Kensington.

Yokohama (Jonas and Pryer); Tokio (Fenton); Yesso (Pryer); Hakodate, Nikko (Leech); Kiukiang (Pratt).

115. **Hapalia praecox.**

*Phal.-Noctua praecox*, Linn. Syst. Nat. x. 517, xii. 854.
*Noctua praecox*, Esp. Schmett. iv. pl. 89. figs. 4–7.
*Noctua praecps*, Hübn. Noct. pl. 15. fig. 70.
116. Agrotis depravata.

A fine series, coll. Pryer.
I took a ♀ specimen at Nagasaki in May, and a ♂ at Gensan in July 1886.

My native collector obtained a ♂ example at Gensan in August 1887.
Tokio (Fenton); Yokohama (Pryer); Gensan, Nagasaki (Leech).

117. Agrotis tokionis.


I took two examples at Oiwake in October.

This species is larger than *A. corticea*, but is certainly more nearly related to it than to *A. saucia, A. suffusa*, or *A. segetum*. Mr. Pryer appears to have confounded *A. tokionis* with *A. segetum, var. ingrata*, Butl., as there was a fine series of specimens in his collection under the latter name.
Tokio (Fenton); Yokohama (Pryer and Manley); Oiwake, Yahyuskiro (Pryer).

118. Agrotis suffusa.


*I took specimens of this species at Gensan only, but there was a fine series in Mr. Pryer’s collection. Some variation is exhibited, though not to the same extent as is often seen in a good series of *A. suffusa* from Europe.
Yokohama (Pryer); Gensan (Leech); Tokio, Kiukiang (Pratt); Australia, Africa, Europe.

119. Agrotis segetum.

*Noctua segetum*, Schifferm. Wien. Verz. p. 81, pl. i. figs. 3, a, b; Hübn. Noct. fig. 147.

*Noctua segetis*, Hübn. Noct. fig. 146.

*Noctua fucosa*, Esp. Schmett. iii. pl. 64. fig. 4.


Several specimens, coll. Pryer.
I took this species at Nagasaki in May, Sakata in August, Nikko in September, and Oiwake in October, and Mr. Smith at Hakone in August.

Yokohama (Pryer and Manley); Gifu (Pryer); Oiwake, Nikko, Nagasaki, Sakata (Leech); Hakone (Smith); India, Europe.

120. Agrotis informis, sp. n. (Plate L. fig. 1.)

♂. Primaries pale violet-grey suffused with brownish, basal third tinged with tawny; abbreviated basal line dark edged externally with whitish, inner line pale edged externally with darker; outer line dark, serrated, curved, edged with paler; orbicular outlined and more or less filled up with black; reniform large, black, and clearly defined; claviform black, well developed: secondaries pearly, with a black lunule and narrow marginal border. Under surface of primaries fuliginous with a darker central transverse line; secondaries pearly white, fuscous on costa, central line indicated by some black oblong dots on nervures.

♀. In this sex the orbicular is more elongated and the secondaries are suffused with fuscous on the outer margin.

Var. confluens.
The reniform and orbicular united, forming a large, somewhat triangular, blotch.
Expanse 44 millim.
Six specimens, coll. Pryer.
My native collector obtained four examples at Hakodate in June or July.
Allied to A. exclamationis.
Yokohama ?, Yesso (Pryer); Hakodate (Nat. Coll.).

121. Agrotis obscura.
Noctua obscura, Brahm, Insektenkal. i. p. 191 (1790).
Noctua bigramma, Esp. Schmett. iv. pl. 150. fig. 2.
Noctua ravida, Hübn. Noct. fig. 126 (post 1800).
Agrotis ravida, Treit. Schmett. v. 1. 207; Guen. Noct. i. p. 300.

Several specimens, coll. Pryer.
I took examples of this species at Gensan in July and at Oiwake in October. My native collector secured a long and variable series at Hakodate in July. Several specimens agree with Walker's G. valida and G. caliginea, Butl. Others are exactly identical with the typical European A. ravida, whilst others again are not quite like
either, and might be considered distinct only that there are still other forms which connect them with _A. ravida_ and _A. valida_, and these last are also connected by intermediates.

Yokohama (Pryer); Hakodate (Nat. Coll.); Oiwake, Gensan (Leech); Shanghai, Tokio, Chiuizenji. Europe; N. America.

122. *Agrotis bremeri*.


One specimen, coll. Pryer.

Yesso (Pryer); Amur.

123. *Agrotis lucens*.


I have no example of this species, but examination of the type specimen in Nat. Collection leads me to suppose that it is a near relation of *Agrotis senna*, and is altogether out of place in the genus _Speletis._

Tokio (Fenton).

124. *Agrotis squalida*.

_Speletis squalida_, Boisd. Ind. Méth. 107. 800.


*Agrotis squalida*, Guen. Noct. i. 300 (1852).

Three examples, coll. Pryer.

I took one specimen at Hakodate in August.

Hakodate (Leech); Yokohama? (Pryer); Ural, Amur, Altai.

125. *Agrotis undosa*, sp. n. (Plate L. fig. 3.)

Primaries violet-grey, traversed by a number of faint wavy lines; central third darker, inclining to black towards costa and limited by slightly indented inner and undulated outer lines; the inner portion of basal third is crossed by several rather darker lines; the dark submarginal line commences in a black quadrate spot on costa; stigmata indistinctly outlined; fringes preceded by a blackish line: secondaries blackish, paler towards base, central lunule blackish; fringes yellowish. Under surface fuscous, central and submarginal line of primaries darker, central area of secondaries with a black spot and transverse line. Head and thorax silvery grey, collar blackish.

Expanse 38 millim.

One ♀ specimen, coll. Pryer.

I took a ♂ example at Nikko in September, and another at Oiwake in October 1886.

Yokohama? (Pryer); Nikko, Oiwake (Leech).

126. *Polyphænis pulcherrima*.

Polyphænis pulcherrima, Oberth. Etud. d'Ent. x. pl. ii. fig. 11 (1884).

Two specimens, taken by my native collector at Gensan in July.
Gensan (Nat. Coll.); Sidemi.

127. Triphænopsis lucilla.


Three examples, coll. Pryer.

Evidently a variable species, as although all are specifically identical each specimen is of a different form.
Yokohama (Jonas and Pryer).

128. Triphænopsis cinerescens.


Two specimens, coll. Pryer.

I took an example of this species at Hakodate in August.
Fujisan (Pryer); Hakodate (Leech).

129. Triphænopsis efflorescens.


Triphaena jankowskii, Oberth. Etud. d'Ent. x. p. 20, pl. ii. fig 10 (1884).

Four specimens, coll. Pryer.

Yokohama, Oiwake (Pryer); Sidemi (Jankowski).

130. Epilecta semiherbida.


A nice series, coll. Pryer.

Yokohama, Oiwake (Pryer).

131. Agriopis viridis, sp. n.  (Plate LI. fig. 6.)

Verdigris-green with black markings; a short longitudinal basal streak branched at its outer extremity, and a spot above on the costa; inner line commencing as a spot on the costa runs obliquely inwards to median nerve, then outwards, terminating in a gentle curve on the inner margin, this line is bordered outwardly with white and some black dots beyond the curved portion; outer line much angulated and indented, edged internally with white and some black spots followed by a conspicuous dash on the costa, there are two other black spots on the costa between the lines, and a cuneiform mark at inner angle; stigmata partially outlined with black, and a streak of the same colour connects the orbiclar with the reniform: secondaries fuscous grey, darker posteriorly, central and outer marginal lines pale grey; fringes pale grey, preceded by a series of black lunules on outer margin. Under surface of all the
wings grey-brown, clouded with fuscous; discal lines darker, bordered outwardly with paler.

Antennæ of the ♂ strongly pectinated, ♀ slightly serrated.

Expanse, ♂ 45 millim., ♀ 50 millim.

Allied to A. aprilina, but it is a broader-winged insect and there is a considerable difference in the structure of the antennæ.

Four examples, coll. Pryer.

Yokohama?

132. MISELIA EXTENSA.


A fine series, coll. Pryer.

This insect is very like an exaggerated form of the European M. oxyacanthæ, in which the primaries have become elongated.

Yokohama (Pryer).

133. MISELIA FUNESTA, sp. n. (Plate LI. fig. 7.)

Primaries blackish grey, mottled and clouded with paler and darker, and with some whitish spots on the costa; the transverse lines are indistinct, but there are traces of a short one at the base; a series of blackish dots and streaks edged with whitish represent the outer line, this curves gently inwards from the costa to opposite the lower end of reniform, from which point it takes an oblique course to the inner margin, and intersects a black longitudinal bar above inner angle; submarginal line white, edged on both sides with black; a series of blackish-grey oblong spots, followed and separated by white dots between submarginal line and outer margin; fringes grey, intersected by a blackish line: secondaries whitish, fuscous at outer margin, traversed by two central bands. Under surface of primaries fuscous, central spot and inner margin paler; four whitish spots on costa towards apex; fringes dark grey, paler at base: secondaries shining whitish, some darker scales over costal area; fringes grey, intersected by a blackish line. Head blackish grey, spotted with white, thorax black, collar edged above with white; patagia tipped with white, abdomen grey.

Expanse 57 millim.

Two specimens, coll. Pryer.

Yokohama? (Pryer).

134. PHLOGOPHORA BEATRIX.


Phlogophora pallens, Oberth. Diag. Lep. Ask. p. 14 (1879); Etud. d'Ent. v. pl. iii. fig. 3 (1880).

Several specimens, coll. Pryer.

Hakodate (Whitely, Andrews); Yokohama, Oiwake (Pryer); Yesso, Askold.
135. Lamprosticta bella.

Two examples, coll. Pryer.
Tokio (Fenton); Yesso (Pryer).

136. Lamprosticta venusta, sp. n. (Plate LI. fig. 5.)

Primaries pale whitish green; reniform and orbicular of the ground-colour, spotted and surrounded with black; a short black basal streak; submarginal line represented by a short dash on costa, another towards middle, and an arrow-shaped mark at inner angle; costa, outer and inner margins spotted with black; secondaries greyish brown, with a fuscous central line and spot, and a broad band on outer margin; fringes chequered with dark grey and white. Under surface of primaries fuscous; costa and outer margins whitish green, spotted with black; secondaries whitish with black central line and spot, outer margin clouded with fuscous towards costa. Thorax green, variegated with black; abdomen blackish grey, segmental divisions paler.

Expanses 41 millim.
One ♀ example, coll. Pryer, without exact locality, but probably from Yokohama.

137. Euplexia albovittata.

One example, coll. Pryer (no. 827).
I took a specimen at Gensan in June.
Nikko (Pryer); Hakodate (Andrews); Gensan (Leech); Darjeeling, Bengal, Nilgiri Hills, Sikkim, Thundian.

138. Euplexia lucipara.

Several specimens, coll. Pryer.
I took this species at Sendai in September, and my native collector met with it at Hakodate in June or July.
Yokohama, Oiwake, Yesso (Pryer); Sendai (Leech); Hakodate (Nat. Coll.); Tokio; Europe, New York.

139. Euplexia japonica, sp. n. (Plate LI. fig. 4.)

Primaries dark chocolate-brown, with a slight violet tinge; the area between the pale curved inner and serrated elbowed outer lines darker, and divided by a still darker longitudinal shade-like bar which encloses the claviform stigma; reniform indistinctly outlined,
the outer fourth whitish; four pale dots on costa towards apex, the fourth at commencement of pale wavy but indistinct submarginal line: secondaries dark brown, traversed by a darker transverse central line; fringes paler at the base and preceded by a blackish line. Under surface ochreous brown suffused with fuscous; dark central spot and pale submarginal line on all the wings.

Expanse, \( \varphi 35 \text{ millim.} \), \( \Omega 37 \text{ millim.} \).
Seven specimens, coll. Pryer.
Allied to *E. lucipara* from Europe.

140. **Gonoptera libatrix**.


*Bombyx libatrix*, Esp. Schmett. iii. pl. 69. fig. 4.
*Calpe libatrix*, Treit. Schmett. v. 2. 172.

Several specimens, coll. Pryer. I took fine examples at Gensan in July.

Yokohama, Oiwake, Gifu (Pryer); Gensan (Leech); Amur, Europe, N. America.

141. **Cosmophila xanthindyma**.

*Cosmophila xanthindyma*, Boisd. Faune Ent. Madag., Lép. p. 94, pl. xiii. fig. 7 (1834); Guen. Noct. ii. p. 396 (1852); Moore, Lep. Ceyl. iii. p. 84, pl. 155. figs. 1, 1 a, 1 b (1884).


A nice series, coll. Pryer (no. 707).
This appears to be a very variable species. In the Japanese series before me there are forms between the type and var. *indica*, Guen.

Yokohama (Pryer); N. India, Ceylon, Moreton Bay, Tasmania, Sierra Leone, Congo, Madagascar, Mauritius, Isle of Bourbon, Java, Malabar.

142. **Gonitis involuta**.

*Tiridata colligata*, Walk. l. c. Suppl. iii. p. 870 (1865).

I received one example of this Indian species from Mr. Manley, who captured it at Yokohama.

Yokohama (Manley); N. India, Ceylon.

143. **Gonitis fractifera**.


Several specimens, coll. Pryer.

My native collector took examples at Gensan in September.
Yokohama (Pryer); Gensan (Nat. Coll.); Kiukiang (Pratt); S. Domingo, Honduras, Venezuela.

144. Gonitis combinans.

Gonitis albitibia, Walk. l. c. no. 8.
Several specimens, coll. Pryer.
I took the species at Nagasaki in June, and Fushiki in July.
An exceedingly variable series, embracing examples of all the above-named forms.
Yokohama (Jonas and Pryer); Fushiki, Nagasaki (Leech); Loochoo (Pryer); Tokio, Shanghai, Ceylon.

145. Gonitis pryeri, sp. n. (Plate LII. fig. 8.)

♀. Pale brown; primaries sparingly sprinkled with darker brown, and traversed by two dark lines, the outer edged externally and the inner internally with paler; a short dark apical streak; orbicular represented by a minute white dot, reniform ill-defined; secondaries with faint indications of two transverse lines. Under surface pale whitish brown; primaries with a dark central transverse line and apical streak; secondaries with an indistinct dark central line.
Expanse 45 millim.
One ♀ example, coll. Pryer.
There is an example of this species from Dharmsala in the National Museum at South Kensington.

146. Gonitis distincta, sp. n. (Plate LII. fig. 7.)

Primaries bright green, slightly orange along costal margin; discal spot minute, blackish, a pale dark-bordered oblique line traverses the outer third of wing; submarginal line wavy, slightly darker than ground-colour; fringes brownish; secondaries bright cupreous brown; fringes pale grey-brown. Under surface of primaries shining cupreous brown, paler towards inner margin; secondaries pinkish brown, with faint blackish central line and dot.
Expanse 43 millim.
Several specimens, coll. Pryer.
I took one example at Nagahama, and two at Gensan in July.

147. Dichonia protea.

Noctua protea, Borkh. iv. p. 386; Esp. Schmett. iv. pl. 150. fig. 6; Hübn. Noct. fig. 406.

A fine series, coll. Pryer.
Some examples agree well with D. intermissa, Butl.; these and the other specimens are most certainly referable to D. protea.
Yokohama (Pryer); Europe.

148. Berrhea japonica, sp. n. (Plate L. fig. 11.)

Primitives pale olive-green, nervures violet-grey; abbreviated basal line whitish, bidentate, and edged externally with black; inner line whitish, shaded externally with blackish; outer line whitish, edged and clouded internally with black; these transverse lines limit a central violet-brown fascia, clouded with darker and tinged here and there with olive-green, and approximate just above the inner margin, where they, as also an oblique blackish dash from the inner margin between the basal and inner lines, are intersected by the violet submedian nerve; outer margin broadly violet-grey, dashed with olive-grey at apex, the internal edge defined by a serrated and angulated pale line; reniform olive-green, black at its lower end, its exterior edge outlined with whitish, and followed by a blackish shade; orbicular olive-green, centre blackish, outlined with paler and edged with blackish; fringes spotted with pale brown, and preceded by a series of black lunules, edged internally with olive-green: secondaries fuscous brown, central spot blackish; fringes pale brown, intersected by a darker line. Under surface of primaries fuscous brown; pale annulated central spot and darker transverse line, the former preceded by a short oblique dark costal spot; secondaries with a black central spot and dark crenate transverse line.

Expanse 46 millim.
Allied to B. olivacea, Moore.
Five specimens, coll. Pryer.
I took one example at Oiwake in October.
Yokohama? (Pryer); Oiwake (Leech).

149. Eurois virens.


Two specimens, coll. Pryer.
I took one example at Gensan in July.
Hakodate (Whitely); Gensan (Leech); Sidemi (Jankowski); N.W. Himalayas.

150. Eurois prasina.

Noctua egregia, Esp. Schmett. pl. 119. fig. 7.
One example, coll. Pryer.
Yesso (Pryer); Europe, N. America.

151. Euros occulta.

Phal.-Noctua occulta, Linn. Syst. Nat. x. p. 514; Clerck, Icon. pl. i, fig. 6.
Noctua occulta, Hüb. Noct. fig. 79.
Aplecta occulta, Guen. Noct. ii. p. 76.
One specimen taken by my native collector at Gensan in August. Gensan (Nat. Coll.); Europe, Canada.

152. Euros nebulosa.

Noctua piebeja, Hüb. Noct. fig. 78.
Noctua bimaculosa, Esp. Schmett. iv. pl. 132. figs. 1, 2.
Several specimens, coll. Pryer.
Oiwake (Pryer); Europe.

153. Hadena auriplena.

One example, coll. Pryer.
Oiwake (Pryer); Darjeeling, Ceylon.

154. Hadena lucia.

Hadena kosakka, Oberth. Etud. d’Ent. v. p. 80, pl. vii. fig. 4 (1880).
I took this species at Gensan in July, and my native collector at Hakodate.
Hakodate (Whitely); Tokio (Fenton); Hakodate (Nat. Coll.); Gensan (Leech); Askold.

155. Hadena jankowskii.

Hadena jankowskii, Oberth. Etud. d’Ent. v. p. 79, pl. iii. fig. 11 (1880).
I took three examples of this species at Gensan in July. Gensan (Leech); Askold, Amur.
156. Hadena unica, sp. n. (Plate LI. fig. 12.)

Primaries pale brown, mottled and clouded with darker, discal area faintly suffused with violet; basal line represented by a black spot on costa, and a double transverse streak between the subcostal and submedian nerves; inner and outer transverse lines blackish, the former precede and the latter followed by fainter lines; submarginal line whitish, angulated below the costa and shaded with greyish brown; a series of triangular dark spots precede the grey-brown fringes; reniform outlined with blackish, broadly on the external and lower margins, and filled in with ground-colour except towards internal edge, where there is a greyish-brown transverse shade; orbicular large, but indistinctly outlined; claviform short, outlined in black; secondaries pale brown, exterior border darker. Under surface whitish; primaries clouded with fuscous, central line blackish, a series of |—shaped marks edged with whitish on outer margin; secondaries sprinkled on the margins with fuscous scales, central spot and line blackish.

Expanse 39 millim.

One example, coll. Pryer, without exact locality.

Yokohama? (Pryer).

157. Hadena stolida, sp. n. (Plate LI. fig. 2.)

♂. Primaries pale brown, basal area dusted, discal area suffused and clouded with darker; inner line pale, indented and edged externally with dark brown; outer line wavy and angulated above inner margin, dark brown edged internally with paler; submarginal line pale brown, indented and twice angulated at the middle; stigmata pale brown, outlined in darker, the reniform with a blackish cloud on its outer edge; orbicular with a dark central spot; secondaries pale grey-brown, darker towards outer margin; central lunule and neuration darker. Under surface fuscous brown, margins paler, costa tinged with reddish towards apex, central line blackish; secondaries whitish, sprinkled with brownish scales, and tinged with reddish on costa; outer margin clouded with fuscous, central spot black. Head pale brown, mottled with darker; thorax dark brown; collar pale brown, edged above with darker.

Expanse 36 millim.

One specimen in Pryer's collection without exact locality.

158. Hadena satura.

Noctua porphyrea, Esp. Schmett. iv. pl. 145. fig. 5 (1789).
Noctua satura, Hübner. Noct. pl. 16. fig. 75 (1880).

A very fine and extensive series, coll. Pryer.

Yokohama (Pryer).
159. **Trachea atriplicis.**

*Phal.-Noctua atriplicis*, Linn. Syst. Nat. x. p. 517.

*Noctua atriplicis*, Esp. Schmett. iv. pl. 163. figs. 1–3; Hübn. Noct. fig. 83.


Several specimens, coll. Pryer.

I took this species at Gensan in June, and my native collector at Nikko.

Yokohama (Jonas and Pryer); Oiwaek, Gifu (Pryer); Gensan (Leech); Nikko (Nat. Coll.).

160. **Aplectoides nitida.**


Several specimens, coll. Pryer.

I have received one example from Mr. Manley, of Yokohama.

Yokohama (Jonas, Pryer, Manley).

161. **Aplectoides caliginea.**


Three specimens, coll. Pryer.

I took a nice series at sugar in July at Gensan.

Tokio (Fenton); Yokohama? (Pryer); Gensan (Leech).

162. **Prodenia littoralis.**


*Prodenia retina*, Guen. Noct. i. p. 163.

Several specimens, coll. Pryer.

Yokohama? (Pryer); Crete, Asia Minor, Madagascar, Mauritius, Madeira, Congo, N. India, Nepal, N. China.

163. **Xylomeges bella.**


A nice series, coll. Pryer.

Yokohama (Pryer).

164. **Panolis piniperda.**


*Noctua piniperda*, Losschge, Naturf. xx. p. 9 (1787); Esp. Schmett. iv. pl. 125. figs. 1–6.


*Noctua flammea*, Hübn. Noct. fig. 476.
Three specimens, coll. Pryer.
Yokohama, Gifu (Pryer); Europe.

165. Eupsilia tripunctata.
Five specimens coll. Pryer, and I have received two from Mr. Manley.
Yokohama (Jonas, Pryer, Manley).

166. Eupsilia strigifera.
One example, coll. Pryer.
Yokohama (Pryer).

167. Semiophora pallescens.
Several specimens, coll. Pryer.
Mr. Pryer appears to have considered S. pallescens, Buttl., a form of S. gothica; but as there is an undoubted form of S. gothica occurring in Japan, and as there seem to be no intermediates known which would serve to connect that form with S. pallescens, the latter must stand.
Yokohama (Jonas and Pryer).

168. Semiophora gothica.
Phal.-Noctua gothica, Linn. Syst. Nat. x. p. 515; Clerck, Icon. pl. i. fig. 1.
Noctua gothica, Esp. Schmett. iii. pl. 76. figs. 1, 2; Treit. Schmett. v. 1. p. 233.
Noctua num-atrium, Hüb. Noct. fig. 112.
Taeniocampa gothica, Guen. Noct. i. p. 347.
Two specimens, coll. Pryer.
Neither are quite typical examples of S. gothica, but that from Gifu is nearer the type than is the other, which unfortunately is not localized. This last approaches the gothicina form.
Yokohama?, Gifu (Pryer); Europe.

169. Taeniocampa carnipennis.
Several specimens, coll. Pryer. I have also received examples from Mr. Manley.
All the markings are subject to slight modification but the H-shaped mark referred to by Mr. Butler in his description of this species varies considerably: thus in two examples the extremities alone remain distinct and these are connected by a very fine dark line; in another specimen the mark is replaced by a large quadrato black spot, and in a fourth the bar is contracted in the middle so that it forms two triangles whose apices are contiguous.

Yokohama (Jonas, Pryer, Manley).

170. Tæniocampa munda.

*Noctua munda*, Esp. Schmett. iii. pl. 52. figs. 5, 6; (Iota) Hübn. Noct. fig. 166.


A fine series, coll. Pryer.

The majority of the specimens are larger than European *T. munda*.

The series includes one example of the var. *immaculata*.

Yokohama (Pryer, Manley); Yesso (Pryer).

171. Tæniocampa gracilis.


Several specimens, coll. Pryer.

There appears to be a pale form and a dark form in Japan as in Europe, but the palest Japanese specimen I have is not quite so light as some of my European examples; whilst, on the other hand, I have not yet seen a specimen from Europe as dark as the darkest Japanese example in Pryer’s series of *T. gracilis*. Butler’s figure of *T. ella* represents a specimen which as regards tone of colour is intermediate between the two just adverted to.

Yokohama (Jonas, Pryer); Europe.

172. Tæniocampa instabilis.

*Noctua instabilis*, Esp. Schmett. iv. pl. 151. fig. 3; Hübn. Noct. pl. 35. fig. 165.


Five specimens, coll. Pryer.

Four of these Japanese examples are larger than any European specimen I have seen of *T. instabilis*, but the fifth is of the normal size. In colour all the five specimens are pale, but I have an example
from Britain which agrees very well with them in this respect. I can only regard _T. evanida_, Butl., as an exaggerated form of _T. instabilis_.

Yokohama (Pryer); Europe.

173. _Tæniocampa stabilis._


Several examples, coll. Pryer, under the name of _T. gracilis_ (no. 787).

Yokohama (Manley, Pryer); Yesso (Pryer).

174. _Tæniocampa aurorïæ._

_Tæniocampa aurorïæ_, Oberth. Étud. d’Ent. v. p. 76, pl. iii. fig. 6 (1880).

One specimen in Pryer’s collection, and one taken by my native collector at Hakodate in June or July.

175. _Tæniocampa odiosa._


Yokohama (Jonas).

176. _Orthosia suspecta._


_Noctua congener_, Freyer, Neuere Beitr. Schmetterl. iii. pl. 209.

_figs. 2, 3._


One example, coll. Pryer.

Japan (Pryer); Europe.

177. _Orthosia fausta_, sp. n. (Plate L. fig. 2.)

Primaries ochreous or brown, clouded with darker towards outer margin; a black spot on median nerve near the base; inner and outer lines represented by black spots; submarginal line pale, angulated below costa; fringes preceded by a row of black spots; reniform outlined in pale and filled up with blackish, below this is a dark shade to the inner margin; orbicular outlined in paler but very indistinct: secondaries fuscous brown; fringes paler. Underside fuscous brown, apical area tinged with pink, central spot and line darker but shadowy; secondaries brown tinged with pink, a distinct black costal spot, transverse central line formed of black dots.

Expanse 40 millim.

Six specimens coll. Pryer (Yesso) (Pryer); Yokohama (Manley).

The above description is taken from a male specimen in which the markings are well defined, but the characters referred to vary in intensity.
178. *Orthosia lizetta*.
A nice series, coll. Pryer.
Yokohama (Jonas, Pryer).

179. *Cerastis fragariae*.
*Bombyx fragariae*, Esp. Schmett. Bomb. pl. 86. fig. 3.
Several fine specimens, coll. Pryer.
Yokohama (Pryer, Manley); Europe.

180. *Cerastis vaccinii*.
*Noctua spadicea*, Hübn. Noct. fig. 179; *(vaccinii)*, Esp. l. c. fig. 2.
A fine and extensive series, coll. Pryer.
*D. ardescens*, Butl., is a large *C. vaccinii* of the type form, and there are also specimens of the same exaggerated size which agree with the var. *mixta* of Staudinger.
Yokohama (Pryer); Europe.

181. *Cerastis evelina*.
A fine series, coll. Pryer.
Yokohama (Pryer).

182. *Cerastis albipuncta*, sp. n.  (Plate LI. fig. 10.)
♂. Primaries pale sandy brown; with the exception of an indistinct darker submarginal line, there are no indications of transverse markings; the reniform is represented by a white spot at its lower end, but the other portions of this stigma are not clearly defined; a series of small blackish lunules on outer margin: secondaries fusaceous brown; fringes pale reddish brown. Under surface pale ochreous brown, the discal area of primaries suffused with fusaceous and crossed by a darker central line; secondaries have a darker central spot and transverse line. Head and thorax colour of primaries; abdomen grey-brown above, ochreous brown beneath. Antennae pectinated.
Expanse 42 millim.
One example, coll. Pryer, but no exact locality is given.
Yokohama? (Pryer).
183. **Calymnia camptosigma.**

*Heliothis camptosigma*, Mén. Bull. de l'Acad. t. xvii. p. 219; Schr. Reis. Amur. tab. v. fig. 1 ♀, fig. 2 var.


Several specimens, coll. Pryer. My native collector took the species at Hakodate in July. A very variable species, both as regards colour and the definition of markings on primaries; the secondaries also may be entirely fuscous, or yellowish with a broad fuscous hind marginal band. My series from Japan and one from the Amur contain similar forms.

Tokio (Fenton); Yokohama (Jonas and Pryer); Hakodate (Nat. Coll.); Kony-Tchéou (Largeteau); Amur.

184. **Calymnia affinis.**

*Phal.-Noctua affinis*, Linn. Syst. Nat. xii. p. 848.

*Noctua affinis*, Esp. Schmett. iv. pl. 134. fig. 1; Hübn. Noct. pl. 42. fig. 201.


Several specimens, coll. Pryer.

I took one example at Oiwalk in October 1886.

Yesso (Pryer); Oiwalk (Pryer, Leech).

185. **Calymnia achatina.**


Several specimens in Mr. Pryer’s collection; two of these from Nikko were separated from the rest, and are referable to the No. 816 of his Catalogue. Except that they are darker in colour, I cannot see a difference between these Nikko specimens and those from Yokohama.

Nikko, Yokohama (Pryer).

186. **Calymnia pyralina.**


*Noctua corusca*, Esp. Schmett. iv. pl. 135. figs. 4, 5.


Three typical specimens, coll. Pryer.

Yesso, Oiwalk (Pryer); Europe.

187. **Calymnia trapezina.**

*Phal.-Noctua trapezina*, Linn. Syst. Nat. x. p. 510.

*Noctua trapezina*, Esp. Schmett. iv. pl. 87. figs. 2, 3; Hübn. Noct. fig. 200.

A number of specimens, coll. Pryer.
M. exigua, Butl., is not even a striking aberration of C. trapezina, and no one acquainted with the variation of the species would attempt to separate Japanese examples from C. trapezina.

Yesso, Oiwake (Pryer); Tokio (Fenton); Europe.

188. Calymnia restituta.
One example, coll. Pryer (no. 812).
Yesso (Pryer); Nepaul.

189. Calymnia pryeri, sp. n. (Plate LI. fig. 11.)
♂. Primaries olivaceous brown; two pale transverse lines traverse the disk of the wing and approach each other on the inner margin, interspace darker; there are indications of pale stigmata, but these are very indistinct; fringes brown, with pinkish tinge: secondaries pale brown, central spot and border of outer margin darker. Under surface pale brown, with a pinkish tinge; primaries with a fuscos central spot and a broad transverse band traversing the wing parallel with outer margin; secondaries with a fuscos central spot and faintly defined transverse line, terminating in a cloud at anal angle.

Expanse 40 millim.
Two specimens, coll. Pryer.
Oiwake (Pryer).

190. Ipimorpha retusa.
Noctua retusa, Esp. Schmett. iv. pl. 178. fig. 1; Hübn. Noct. fig. 214.

Cymatophora retusa, Treit. Schmett. v. i. 80.
Teihea retusa, Guen. Noct. ii. p. 3.

A fine series, coll. Pryer.
This insect is most certainly referable to I. retusa. Japanese specimens agree exactly with Austrian and S. Russian specimens in my collection.

Fukushima (Lewis); Yokohama, Yesso, Nikko (Pryer); Europe.

191. Oporina croceago.

Noctua fulvago, Hübn. Beitr. pl. i. fig. F; Esp. Schmett. pl. 176. figs. 3, 4.
A fine series, coll. Pryer.
I received one example from Mr. Manley, of Yokohama.
Yokohama (Jonas, Pryer, Manley); Europe.

192. XANTHIA FULVAGO.
Xanthia cerago, Treit. Schmett. v. 2. 370; Guen. Noct. i. p. 393.
Two specimens, coll. Pryer.
One example is very typical, the other has a broad pinkish-brown transverse band before, and a narrower one of the same colour following the pale outer line.
Oiwake (Pryer); Europe.

193. XANTHIA FLAVAGO.
Noctua flavago, Fabr. Mant. Ins. ii. p. 160 (1787); Ent. Syst. iii. 2. 76.
Noctua silago, Hüb. Noct. fig. 191.
One example, coll. Pryer.
I took a specimen at Nikko in September.
Yokohama (Pryer); Nikko (Leech); Europe.

194. BRACHYXANTHIA PECULIARIS.
Hakodate (Whiteley); Yokohama (Jonas); Tokio.

195. DASYCAMPA RUBIGINEA.
Noctua tigerina, Esp. Schmett. iv. pl. 123 fig. 4.
A fine series, coll. Pryer.
Yokohama (Jonas and Pryer); Tokio (Fenton); Yesso (Pryer).

196. DIANTHŒCIA COMPTA.
A fine series, coll. Pryer.
Oiwake (Pryer); Tokio, Hakodate; Europe.

197. Dianthoezia cucubali.
Noctua cucubali, Fuessl. Neues Mag. ii. 2, p. 218 (1784); Esp. Schmett. iv. pl. 173. fig. 6; Hübn. Noct. fig. 56.
Three examples, coll. Pryer.
I took specimens at Tsuruga in July, and my native collector at Hakodate in June or July.
Yokohama, Oiwake (Pryer); Tsuruga (Leech); Hakodate (Nat. Coll.); Europe.

198. Epia claripennis.
One unnamed example, coll. Pryer (no. 824).
The specimen in National Collection at South Kensington is not in good condition.
Nikko (Pryer).

199. Hyblæa puera.
Hyblæa saga, Fabr. Ent. Syst. iii. 2. p. 128 (1794).
Noctua unxia, Hübn. Noct. fig. 513.
One example in the National Collection from Japan. I have specimens from Loochoo and Chang Yang.
Tokio (Fenton); N. India, Nepaul, China, South Africa, Honduras, Larnaca, &c.

200. Xanthodes transversa.
Xanthodes intercepta, Guen. l. c. p. 212.
A few specimens, coll. Pryer, from Loochoo.
I took one example at Hakone in August, and my native collector obtained one at Gensan in September.
Hakone (Leech); Gensan (Nat. Coll.); Loochoo (Pryer); Java, Silhet, Central and North India, Australia, Malta.
201. *Mesogona contracta.*
Several specimens, coll. Pryer.
Yokohama (*Jonas, Manley, Pryer*).

A nice series, coll. Pryer.
Yokohama, Oiwake (*Pryer*).

203. *Mesogona quadrilinea,* sp. n. (Plate LI. fig. 1.)
♀. Pale cinnamon-brown, with an abbreviated basal and three transverse central reddish-brown parallel lines; submarginal line waved, pale, and shaded with darker; secondaries rather darker than primaries. Under surface fuscous brown, tinged with reddish brown on costa and outer margins of primaries and the costal half of secondaries; a dark central transverse line on each wing and a small dark discal spot on secondaries.
Expanse 47 millim.
Two specimens, coll. Pryer, without exact locality, but probably from Yokohama.

204. *Gortyna acuminata.*
Several specimens, coll. Pryer.
I took one example at Nikko in September, and I have received two specimens from Mr. Manley.
Yokohama (*Jonas, Pryer, Manley*); Nikko (*Leech*).

205. *Heliothis armigera.*
*Noctua armigera,* Hüb. Noct. fig. 370.
Several specimens, coll. Pryer.
My native collector took this species at Gensan in July.
Fujisan, Yokohama (*Pryer*); Gensan (*Nat. Coll.*); Fushiki; Europe, Moreton Bay, New Zealand, Rio Janeiro, Port Natal, Congo, Sidney, Venezuela, Georgia, Australia, Jamaica, Mexico, N. India, Ceylon, Cape.

206. *Heliothis succinea.*
Several specimens, coll. Pryer. My native collector took the species at Gensan in July, and I have received it from Chang Yang and Ichang.
Japan (*Pryer*); Gensan (*Nat. Coll.*); N. China, N. India.
207. Heliothis dipsaceus.

*Phal.-Noctua dipsacea*, Linn. Syst. Nat. xii. p. 856.  
*Noctua dipsacea*, Esp. Schmett. iv. pl. 172. figs. 1–3; Hübn. Noct. fig. 311.


A few specimens, coll. Pryer.

I took this species at Gensan in June and July.


208. Heliothis furvens.


One example, coll. Pryer.

Tokio (*Fenton*); Yokohama? (*Pryer*).

209. Heliothis scutosus.


Not represented, coll. Pryer. My native collector took two specimens at Gensan in July and August.

Gensan (*Nat. Coll.*); Europe, Ukraine.

210. Chariclea umbra.


*Noctua rutilago*, Hübn. Noct. fig. 185.


A few specimens, coll. Pryer.

My native collector took an example at Gensan in July.


211. Phyllophila obliterata.


There were specimens in Pryer’s collection, and I took two examples at Gensan in July.

The Japanese specimens agree very well with A. obliterata, Ramb., which Gueneé considers to be a variety of A. wimmerii, Treit.; but as it has two years’ priority, Rambur’s name must stand for the species. Yokohama? (Pryer); Gensan (Leech); Europe.

212. Prothymia viridaria.

Phalcena viridarta, Clerck, Icon. pl. 9. fig. 12 (1759).


Anthophila ænea, Treit. Schmett. v. 3. p. 274; Dup. Lép. Fr. vii. pl. 123. fig. 5.

Yokohama? (Pryer); Europe.

213. Anthophila paradiesa.


A good series, coll. Pryer.

Tokio, Nikko (Pryer).

214. Anthophila hemirhoda.


Anthophila roseifascia, Walk. l. c. p. 803.


Thalpochares adulans, Feld. Reise Nov. pl. 108. fig. xi.

One specimen, coll. Pryer (n. 877, Anthophila? sp.).

Nikko (Pryer); Bengal, Java, Ceylon.

215. Anthophila semifurpurea.


Rhodaria amata, Butl. Ill. Typ. Lep. Het. iii. p. 72, pl. lvii. fig. 11 (1879).

One example, coll. Pryer.

I took examples of this species at Nagasaki in June and at Gensan in July. I have also received specimens from Mr. Manley.

Yokohama (Manley and Pryer); Nagasaki, Gensan (Leech).

216. Anthophila hebescens.


Six examples, coll. Pryer.

Yokohama (Pryer).

217. Poaphila mollis.


Several specimens, coll. Pryer (unnamed).

Japan (Pryer); Yokohama (Jonas and Manley).

218. Hydrelia unca.

*Phal.-Tortrix uncula*, Clerck, Icon. pl. iii. fig. 7 (1759).


*Noctua unca*, Esp. Schmett. iv. pl. 164. fig. 7; Hüb. Noct. fig. 293.


One specimen, coll. Pryer.

I took two examples at Hakodate in August.

Oiwake (Pryer); Hakodate (Leech); Europe.

219. Leocyma atrata.


A nice series, coll. Pryer.

Yesso (Pryer).

220. Leocyma albonitens.


Several specimens, coll. Pryer.

I took examples of this species at Gensan in July, and Hakodate in August. The Gensan specimens are rather larger than those from Japan.

Oiwake, Yesso (Pryer); Hakodate, Gensan (Leech); Amur.

221. Leocyma nervosa.


One example, coll. Pryer.

I took a specimen at Nagahama in July, and my native collector obtained one at Hakodate in June or July.

Tokio (Fenton); Yokohama? (Pryer); Nagahama (Leech); Hakodate (Nat. Coll.).

222. Leocyma nigrilinea, sp. n. (Plate LI. fig. 8.)

♀. Silvery white; primaries traversed by a curved central blackish line; a series of blackish dots on outer margin; fringes grey-brown; secondaries with a broad grey-brown band on outer margin, but not extending to anal angle; fringes white, preceded by a blackish line. Under surface of primaries fuscous brown, except on the inner margin, which is broadly silvery; costa and some longitudinal streaks whitish.
secondaries silvery white, with a dark central transverse and marginal line.

Expanse 31 millim.
One example, coll. Pryer, taken at Kioto.

223. *Anthœcia sigillata*.


A few specimens, coll. Pryer.
My native collector took specimens at Hakodate in June and July, and I took some there in August.

Oiwake (Pryer); Hakodate (Leech); Amurland.

224. *Acontia biplagiata*.


Not represented in coll. Pryer.
I took specimens at Fusan in June, Tsuruga and Shimonoseki in July, and my native collector obtained some at Ningpo in June, at Gensan in July, and at Nikko.

Tsuruga, Fusan, Shimonoseki (Leech); Nikko, Ningpo, Gensan (Nat. Coll.); N. China (Fortune); Nankow Pass (Swinhoe).

225. *Acontia noloides*.


Several specimens, coll. Pryer.
Yokohama, Yesso (Pryer); Ningpo.

226. *Acontia signifera*.


A nice series, coll. Pryer.
I took examples of this species at Nagasaki in June, and my native collector at Gensan in September.

Yokohama (Manley and Pryer); Nagasaki (Leach); Gensan (Nat. Coll.); Tokio, N. India, Shanghai, Ceylon, Natal.

227. *Acontia vialis*.


Five fine examples, coll. Pryer.
Yokohama, Yesso (Pryer); Darjeeling, Nilgiri Hills, Dharmsala.

228. *Acontia arefacta*.


A fine series, coll. Pryer.
I took specimens at Foochau in April, in Satsuma in May, and at
Nagasaki in June. My native collector met with examples at Ningpo in June.
Yokohama (Pryer); Satsuma, Nagasaki, Foochau (Leech); Ningpo (Nat. Coll.); Chekiang.

229. Acontia bicolora.
Three specimens, coll. Pryer.
I took specimens at Nagasaki and Satsuma in May, and my native collector at Ningpo in June and July, Gensan in August.
Japanese specimens of both sexes agree exactly with the types, which were from Kiukiang in China.
Yokohama? (Pryer); Nagasaki and Satsuma (Leech); Ningpo, Gensan (Nat. Coll.); Kiukiang (Pratt); Chekiang.

230. Acontia pulchella, sp. n. (Plate LIII. fig. 10.)
♂ White; primaries blackish, submarginal band and two costal patches sprinkled with silvery scales, the first spot has something of the character of an abbreviated fascia, and the second is quadrate and oblique; the internal edge of marginal band, which does not reach the costa, is indented at the middle and curved towards inner margin; its external edge is defined in whitish and indented below apex and again before inner margin; the outer margin and fringes dark chocolate-brown; between second costal mark and apex are some grey-brown spots: secondaries clouded with brownish towards outer margin, especially on costal half. Under surface of primaries fuscous brown, inner margin whitish; secondaries white, tinged with brownish on costa.
Expanse 19 millim.
One specimen, coll. Pryer (Cat. no. 89).
Ohoyama (Pryer).

231. Erastria flavipuncta, sp. n. (Plate LIII. fig. 3.)
♂ Primaries violet-grey clouded with darker grey, basal patch pale dusky brown, limited by a slender darker line, before the middle of inner margin is a dark-grey irregular-shaped blotch outlined with blackish, above this is a band of pale reddish grey, and beyond a rusty brown band, the exterior edge of which is bounded by a dark line followed by a whitish one; a pale yellow oval spot is placed in the brown band at the upper exterior edge of the grey blotch, and beyond the band are some black dots and a small rusty-brown cloud, the former indicating a transverse elbowed line: secondaries pale grey-brown, central spot blackish. Under surface pale brown, margins of primaries clouded with fuscous, central spot and line of secondaries blackish. Head and thorax violet-grey; abdomen pale brown.
Expanse 24 millim.
One specimen, coll. Pryer.
Yokohama (Pryer).
232. Erastria flavicollis, sp. n. (Plate LIII. fig. 4.)
♀. Primaries violet-grey, a black longitudinal streak from middle of base; the elongated white reniform stigma has a dark grey spot at its lower end and is preceded and followed by a yellowish suffusion, which in turn is bordered with blackish; apical third clouded with blackish; submarginal line only traceable as a pale streak on costa before apex: secondaries pale fuscous grey. Under surface of primaries fuscous, paler on the costa towards apex; central spot large, whitish; some indistinct traces of darker transverse lines: secondaries whitish grey, darker on costa; central line and spot blackish.

Expanse 28 millim.

One example, coll. Pryer.

Oiwake (Pryer).

233. Erastria costimacula.

Erastria costimacula, Oberth. Étud. d'Ent. v. p. 83, pl. iv. fig. 4 (1880).

Six specimens, coll. Pryer.

Japan (Pryer); Askold.

234. Erastria senex.


Several examples, coll. Pryer.

I took specimens at Nagasaki in June.

Tokio (Fenton); Nagasaki (Leech); Yokohama (Pryer).

235. Erastria africana.

Erastria africana, Feld. R. N. cviii. fig. 6.

Erastria nemorum, Oberth. Étud. d'Ent. v. p. 82, pl. iv. fig. 2 (1880).

A good series, coll. Pryer.

I took a number of specimens at Gensan in June.

Tokio? (Pryer); Gensan (Leech); Askold, N. India.

236. Erastria candidula.


A few specimens, coll. Pryer (no. 874).

I took several examples at Gensan in July, and my native collector obtained some at Hakodate in June or July.

The dark markings are more distinctly defined than in European specimens.

Gensan (Leech); Hakodate (Nat. Coll.); Yesso (Pryer); Tokio.
237. Erastria fentoni.

A fine series, coll. Pryer.
I took a few specimens at Gensan in July.
Tokio (Fenton); Oiwake, Yokohama (Pryer); Gensan (Leech).

238. Erastria fasciana.

Phal.-Tortrix fasciana, Linn. Faun. Suec. p. 342 (1761); Syst. Nat. xii. p. 375.
Noctua polygramma, Esp. Schmett. iv. pl. 146. fig. 7.
Bryophila guenei, Fallon, Ann. Soc. Ent. Fr. 1864, p. 27, pl. i. fig. 3.
Several specimens, coll. Pryer.
I took examples at Fushiki and Gensan in June and July, and my native collector at Ningpo in July.

Varies in colour from grey-brown to fuscous brown, and the white markings are very inconstant in character; the white fascia on outer margin is more particularly subject to considerable modification. In some examples this is only represented by a short thin white edging to the second discal transverse line.

Yokohama (Jonas and Pryer); Oiwake (Pryer); Fushiki, Gensan (Leech); Europe.

239. Erastria olivacea, sp. n. (Plate LIII. fig. 1.)

Primaries olive-grey, basal line blackish, angulated just below costa; outer line curved and angulated, blackish, commencing in a white spot on costa; submarginal line white, with an interrupted edging of the ground-colour; external margin white, black at apex; reniform white, indistinctly outlined, with a median olive-grey suffusion; orbicular and a round spot below separated by the median nerve, whitish, the centre of each more or less filled up with olive-grey; fringes white, spotted with olive-grey; secondaries fuscous grey. Under surface of primaries fuscous, paler from middle of costa to apex; a small patch of black scales on costa and beyond a short pale oblique streak edged internally with blackish; fringes whitish, intersected by an interrupted blackish line and tipped with black; secondaries whitish, thickly sprinkled with brownish scales along costa and on outer margin, central spot and line blackish.

Expanse, $\frac{25}{3}$ millim., $\frac{21}{3}$ millim.
Allied to E. fasciana.
Several specimens, coll. Pryer.
I took examples at Gensan in July 1886.
Oiwake (Pryer); Gensan (Leech); Chang Yang (Pratt).
240. Erastria brunnea, sp. n. (Plate LIII. fig. 2.)

Primaries pale reddish brown; orbicular whitish, centred with brown and surmounted by a whitish cloud on the costa, below is an indistinct annulated whitish spot; reniform outlined with whitish and filled in with reddish brown, followed by a curved and slightly angulated whitish line, which commences in a white blotch on the costa and is edged with dark brownish; between the stigmata is a dark brown shade extending to the costa; submarginal line whitish, angulated near the costa, and indented above the inner margin with three short longitudinal dashes from the middle of its inner edge; fringes grey-brown, intersected by a brown line and preceded by a series of brownish linear spots on external margin; secondaries pale fuscous. Under surface of primaries brown, cupreous brown on margins; central line darker, but only clearly defined on the costa; fringes grey, intersected by a darker line and tipped with brownish; secondaries whitish brown, darker and tinged with cupreous on costa and external margin, central line and spot blackish.

Expanse 24 millim.
Five specimens, coll. Pryer, without exact locality (Cat. no. 892). Allied to E. olivacea.
Yokohama (Pryer).

241. Erastria rosacea, sp. n. (Plate LIII. fig. 9.)

Primaries olive-brown; inner indented line and small patch at base pinkish, followed by a large square patch of the same colour on costa, in the lower portion of which is a black colon-like spot, and below this an olive-brown centred pinkish spot; reniform pinkish, with an olive-brown line towards its inner edge; outer line dark, wavy and indented, bordered on both sides with pinkish; submarginal line pinkish; a row of blackish linear spots precedes the pinkish fringes, these last are intersected by a grey-brown line; secondaries fuscous, fringes paler with a dark central line. Under surface fuscous, margins of primaries and basal half of secondaries paler, the latter with a black central spot.

Expanse, ♂ 22 millim., ♀ 25 millim.
Two examples of each sex, coll. Pryer.
Allied to E. fusciana.
Oiwake (Pryer).

242. Erastria atrata.

Erastria atrata, Butl. Trans. Ent. Soc. 1881, p. 188.
Erastria sidemiata, Oberth. Étud. d'Ent. x. p. 25, pl. iii. fig. 6 (1884).
Several specimens, coll. Pryer.
Tokio (Fenton); Oiwake, Yokohama (Pryer); Amur.

243. Erastria squalida, sp. n. (Plate LII. fig. 9.)

♀. Primaries pale brown with a faint purplish suffusion, inner line runs obliquely from the costa to middle of wing, where it curves inwards and upwards and then turning abruptly descends obliquely
to the inner margin; following this line is a dark elongated quadrate blotch, edged narrowly with black, and its lower end terminating in a short black bar, a similar bar lies beyond and near the costa, and following this is a curved and indented pale line; before the apex are two short black streaks; submarginal line pale, but not distinctly defined; reniform paler, indistinct, below this is a dark shade to inner margin; secondaries grey-brown. Under surface pale brown, primaries suffused with darker, central line dark, edged externally with paler; secondaries have a dark, central spot and crenate transverse line.

Expanse 30 millim.

♂, Nagasaki, June (Leech); Ningpo, June, ♂ ♀ (Nat. Coll.).

The female specimen, being in better condition than either of the males, has been described; but there does not appear to be any difference in the character of markings in the sexes.

244. Erastria securifera.


One example, coll. Pryer.

Japan (Pryer); Borneo.

245. Agrophila trabealis.


Phal.—Pyralis sulphuralis, Linn. Syst. Nat. xii. p. 881 (1766).

Noctua trabeata, Scriba, Beitr. pl. 10. fig. 8.

Noctua sulphurea, Esp. Schmett. iv. pl. 164. fig. 6; Hübner. Noct. pl. 60. fig. 291.


A nice series, coll. Pryer.

My native collector took specimens at Hakodate in June or July, and at Gensan in September.

Varies in the amount of black on primaries.

Oiwake, Yesso (Pryer); Hakodate, Gensan (Nat. Coll.); Europe.

246. Acantholipes metalligera.


Tokio (Fenton).

247. Methorasa thwaitesii.

Methorasa thwaitesii, Moore, Lep. Ceyl. iii. p. 61, pl. 151. fig. 2 (1884).

One specimen, coll. Pryer, without locality (no. 894).

Japan (Pryer); Ceylon.

248. Ozarra punctigera.


Several examples, coll. Pryer.
I took specimens in Satsuma in May, Mr. Andrews at Hakodate in August, and my native collector at Gensan also in August.
Yokohama (Pryer); Satsuma (Leech); Hakodate (Andrews); Gensan (Nat. Coll.); China; Moreton Bay, Australia.

249. Oresia emarginata.
Noctua emarginata, Fabr. Ent. Syst. iii. 2. 240.
Oresta tentans, Walk. l. c. no. 7.
Five examples, coll. Pryer.
My native collector took examples commonly at Gensan in August. An extensive range of variation is exhibited; some of the specimens agree with O. alliciens, Walk., others with O. tentans, Walk., but both are connected by intermediates with O. emarginata.
Nikko (Pryer); North India, Ceylon, Coromandel Coast.

250. Calpe lata.
One example, coll. Pryer.
I took a specimen of this fine species at Gensan and another at Fushiki in July.
Tokio (Fenton); Asamayama (Pryer); Gensan, Fushiki (Leech).

251. Calpe capucina.
Bombyx capucina, Esp. Schmett. iii. pl. 81. figs. 1–3 (1789).
Bomb. pi. G. fig. 25.
Several specimens, coll. Pryer.
I took this species at Gensan in June and July, Nagahama in July, and Hakodate in August.
Japanese and Corean specimens cannot be separated from European examples of. C. capucina.
Hakodate (Whitley and Leech); Yokohama, Oiwake (Pryer);
Nagahama, Gensan (Leech).

252. Calpe excavata.
A fine series, coll. Pryer.
I took an example at Gensan in July.
In his Catalogue Mr. Pryer says of the larva of this species that it "spins a cocoon interwoven with strips of fibre on the stems of trees."
Yokohama (Jonas and Pryer); Oiwake (Pryer); Gensan (Leech);
Tokio, Chekiang, Kiukiang.
253. *Plusia excelsa.*

*Plusia excelsa,* Kretschmar, Berl. ent. Zeit. 1862, p. 135, pl. i. fig. 5.


A specimen which I took at Nemoro in August agrees exactly both with *P. excelsa,* Kretschmar, and *P. metabractea,* Butl. It is very like *P. bractea,* and is possibly only a form of that species.

Tokio (Fenton); Nemoro (Leech); Russia, Ural, Altai.

254. *Plusia agramma.*


Six specimens, coll. Pryer.

Yokohama? (Pryer); Ceylon, Java.

255. *Plusia leonina.*

*Plusia leonina,* Oberth. Etud. d’Ent. x. p. 26, pl. iii. fig. 11 (1884).


Three examples, coll. Pryer.

Sidemi (Jankowski); Yesso (Pryer).

256. *Plusia chryson.*

*Noctua chryson,* Esp. Schmett. iv. pl. 141. fig. 2 (1789).

*Noctua orichalcea,* Hübn. Noct. pl. 57. fig. 278.


Four examples, coll. Pryer, and one taken by my native collector at Gensan. In the Gensan specimen the gold spot is only well defined within the submarginal line.

Yokohama, Oiwake (Pryer); Gensan (Nat. Coll.); Europe.

257. *Plusia chrysitis.*

*Phal.-Noctua chrysitis,* Linn. Syst. Nat. x. p. 513.

*Noctua chrysitis,* Esp. Schmett. iv. pl. 109. fig. 5; Hübn. Noct. pl. 56. fig. 272, pl. 145. figs. 662, 663.


Var. *Plusia nadeja,* Oberth. Etud. d’Entom. v. p. 84, pl. iii. fig. 10 (1880).

Three examples, coll. Pryer.

I took specimens at Gensan in June and Hakodate in August.

Although it would seem to be the only form occurring there, the variety of *P. chrysitis* to which Oberthür has given the name of *nadeja* is not peculiar to Japan, Corea, or Isle of Askold. I have such specimens in my European series of the species, and it is not an uncommon thing to find even British examples in which the central dark fascia of primaries is more or less completely divided into two portions.

Yokohama, Nikko (Pryer); Hakodate, Gensan (Leech); Isle of Askold; Europe.
258. **Plusia zosima.**


Three specimens, coll. Pryer.
Yokohama (Pryer); Ural, Europe.

259. **Plusia chrysitina.**

*Phalaena chrysitina,* Martyn, Psyche, pl. 21 (1797).
*Noctua aurifera,* Hüb. Noct. pl. 98. fig. 463.

Several specimens, coll. Pryer.
I took a ♀ example at Satsuma in May and another at Tsuruga in July.
Yokohama (Pryer); Tsuruga, Satsuma (Leech); N. India, Senegal, Madagascar, Bourbon, Mauritius, Java, St. Helena, Teneriff, S. Europe.

260. **Plusia festucæ.**

*Noctua festucæ,* Esp. Schmett. iv. pl. 113. fig. 6; Hüb. Noct. pl. 57. fig. 277.


Several specimens, coll. Pryer.
I took two examples at Tsuruga and two at Fushiki in July; these are unusually small and agree with three of Pryer’s specimens from Oiwake.

Yokohama, Oiwake (Pryer); Tsuruga, Fushiki (Leech); Europe, N. America.

261. **Plusia signata.**

*Noctua signata,* Fabr. Ent. Syst. iii. p. 234.

Five specimens, coll. Pryer.
Probably a form of *P. chalcitis* from Europe.

Yokohama (Pryer); Loochoo, Java, N. India.

262. **Plusia verticillata.**


A few examples, coll. Pryer.
I took examples in Satsuma in May, at Fushiki and Gensan in July.

Yokohama (Pryer); Satsuma, Fushiki, Gensan (Leech); N. India, China, Australia, Ceylon.

263. **Plusia c-aureum.**

*Phalaena c-aureum,* Knoch, Beitr. i. p. 7, pl. i. fig. 2 (1781).
*Noctua concha,* Fabr. Mant. 161 (1787); Hüb. Noct. pl. 59. fig. 287, pl. 97. fig. 458.


I took an example at Fushiki in July, and there was one specimen in Pryer's collection labelled No. 899, Oiwake; all are referable to P. c-aureum and are identical with P. mikudina, Butl.

Yokohama, Oiwake (Pryer); Fushiki (Leech).

264. Plusia albostriata.


Several examples, coll. Pryer.

I took specimens at Gensan and received specimens from Ningpo in July.

The only differences that I can find between this insect and P. gutta are perhaps rather of a varietal than specific value. Thus the silver V-like mark is of a heavier character in P. albostriata than in P. gutta, and the last-named insect lacks the short linear silver mark at the end of discal cell, which appears to be the distinguishing character of P. albostriata.

Yokohama, Oiwake (Pryer); Gensan, Ningpo (Leech); N. China.

265. Plusia gutta.

Noctua circumflexa, Esp. Schmett. iv. pl. iii. figs. 5, 6; Hübn. Noct. pl. 58. fig. 285 (non Linn.).


Several examples, coll. Pryer.

I took specimens at Gensan in July, and Hakodate in August.

Yokohama, Yesso (Pryer); Hakodate, Gensan (Leech).

266. Plusia typinota.


Appears to be a poor example of P. gamma.

Yokohama (Jonas).

267. Plusia jessica.


A fine series of each form, coll. Pryer.

After carefully comparing the types in the National Collection with my own specimens, I am of opinion that P. serena, Butl., is only a slight modification of P. jessica.

Yokohama (Jonas and Pryer); Tokio (Fenton).

268. Plusia nigrisigna.


Six specimens of this species in Pryer's collection under the name of P. gamma, which it certainly closely resembles, but is nevertheless a good species.

Yokohama (Pryer); N. India.
269. **Plusia ornatissima.**


*Plusia locuples*, Oberth. Etud. d'Ent. v. p. 85, pl. ix. fig. 3 (1880).

Three examples, coll. Pryer (nos. 909 & 914).

I have received from my native collector one specimen taken at Hakodate in June or July.

Yokohama, Nikko (*Pryer*); Hakodate (*Nat. Coll.*); Askold, N. India.

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270. **Plusia rutilifrons.**


Several specimens, coll. Pryer.

Varies considerably in depth of colour.


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271. **Plusia pyropia.**


Four specimens, coll. Pryer.

My native collector took one example at Gensan in July.

Oiwake (*Pryer*); Gensan (*Nat. Coll.*)

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272. **Plusia purissima.**


Several specimens, coll. Pryer.

I took an example at Nagasaki in May and one at Gensan in July.

Tokio (*Fenton*); Yokohama (*Pryer*); Nagasaki, Gensan (*Leech*).

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273. **Plusia ochrata.**


One example coll. Pryer, and one from my native collector, who took it at Gensan.


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274. **Plusia ni.**

*Noctua ni*, Hüb. Noct. pl. 58. fig. 284.


One example, coll. Pryer.


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275. **Plusia cheiranthi.**


Two examples, coll. Pryer.

Oiwake (*Pryer*); Europe, South Ural, Amur.
276. *Deva splendida.*


Seven specimens, coll. Pryer.

Hakodate (Whitely); Yesso, Nikko (Pryer).

277. *Diastema virgo.*


A few specimens, coll. Pryer.

I took examples at Gensan in June and July, and these are darker than the Japanese specimens.

Yokohama, Yesso (Pryer); Gensan (Leech).

278. *Placodes amethystina.*

*Noctua amethystina,* Hübn. Noct. figs. 597, 598.

*Plusia amethystina,* Treit. Schmett. v. 3. p. 136.


I took examples at Hakodate and Gensan in June and July.

Hakodate, Gensan (Leech); Tokio; Europe.

279. *Habrostola transfixa.*


Several specimens, coll. Pryer.

I took an example at Gensan in July, and my native collector took one at Hakodate.

The whitish oblique streak of primaries is subject to some variation, being in some specimens well defined, whilst in others it is inconspicuous. Walker’s type is from Natal.

Yokohama (Pryer); Gensan (Leech); Hakodate; Ichang; Natal.

280. *Habrostola triplasia.*

*Phal.-Noctua triplasia,* Linn. Syst. Nat. x. p. 517.

*Noctua triplasia,* Esp. Schmett. iv. pl. 169. figs. 1–3; Hübn. Noct. fig. 626.


Four specimens, coll. Pryer.

As this species is only separable from *H. asclepiades* in the larva stage, and as I have only seen the perfect insect from Japan, I am unable to say positively that the specimens determined as *H. triplasia* are really referable to that species.

Yokohama, Oiwake (Pryer); Europe.
281. Habrostola urentis.


Several specimens, coll. Pryer.

I took one example in Satsuma in May.

Yokohama, Oiwake (Pryer); Satsuma (Leech); N. America.

282. Leptina grata.


A fine series, coll. Pryer.

I took one example at Gensan in July.

Tokio (Fenton); Oiwake (Pryer); Gensan (Leech).

283. Micardia argentata.


Two specimens, coll. Pryer.

I have received several specimens of this species from Mr. Manley, and my native collector met with it at Nikko and Gensan in July.

Yokohama (Jonas, Manley, and Pryer); Gensan (Nat. Coll.)

284. Micardia pulchra.


I received three examples from Mr. Manley, and my native collector took two specimens at Gensan in July.

Note.—Mr. Pryer says in his ‘Catalogue,’ p. 84: “Mr. Butler places *Micardia argentata* and *M. pulchra* among the Leucaniidae. They are both Pyrales.”

Yokohama (Jonas and Manley); Gensan (Nat. Coll.)


Four examples, coll. Pryer.

Loochoo (Pryer); Sikkim; Cherrapunji.

286. Platydia casta.


I took specimens at Ningpo in April, Fushiki and Gensan in July. My native collector met with it at Gensan in August, and I have received specimens from Mr. Manley of Yokohama.

This insect is probably a form of *P. compressipalpis*, Guen.

Yokohama (Jonas); Fushiki, Ningpo, Gensan (Leech).
287. **Penicillaria guyra.**

*Eurhipia guyra*, Feld. Reis. Nov. pl. cx. fig. 23.

Several examples, coll. Pryer.

I took specimens at Ningpo in April and Mr. Andrews at Hakodate in July.

Oiwake (Pryer); Ningpo (Leech); Hakodate (Andrews); Nikko. Tokio, Kiukiang.

288. **Penicillaria costalis.**


One example, coll. Pryer.

Yokohama? (Pryer).

289. **Callopistria purpureofasciata.**

*Noctua purpureofasciata*, Piller, Iter per Poseg. t. 6. 2 (1783).

*Noctua logopus*, Ésp. Schmett. iv. pl. 125. fig. 7 (1788).


*Noctua pteridia*, Fabr. Ent. Syst. iii. 2. 90 (1794).

*Pyralis formosissimalis*, Hübn. Pyral. pl. 17. fig. iii. (1789?).


Several specimens, coll. Pryer (no. 862).

I took examples in Satsuma in May and at Nagasaki and Fusan in June; my native collector met with some at Gensan and Nikko in August, and at Ningpo in June.

Hakodate (Whitely); Yokohama (Pryer); Nagasaki, Fusan, Satsuma (Leech); Gensan and Ningpo (Nat. Coll.); Kiukiang (Pratt); Europe.

290. **Callopistria exotica.**


There were some specimens in Mr. Pryer’s collection, but these were unnamed.

I took examples of this species, which is a most variable one, in Satsuma in May, and my native collector obtained specimens at Ningpo and Gensan in August.

Yokohama (Pryer); Satsuma (Leech); Gensan and Ningpo (Nat. Coll.); Kiukiang (Pratt); N. India, Java.

291. **Callopistria æthiops.**


One example, coll. Pryer.

My collector took examples at Gensan in August, and Mr. Smith at Hakone in the same month.
292. Callopistria repleta.


Two specimens, coll. Pryer.

I took one example at Gensan in June.

Yokohama? (Pryer); Gensan (Leech); N. India.

293. Callopistria rivularis.


Three specimens, coll. Pryer.

Yokohama? (Pryer); N. India.

294. Xylina ingrica.


Ill. Typ. Lep. Het. ii. pl. xxix. fig. 10 (1878).

A fine series, coll. Pryer.

*A. ustulata*, Butl., is certainly a form of *X. ingrica*, H.-S., and both are probably referable to *X. furcifera*, Hufn.

Yokohama (Pryer); Europe.

295. Xylina ornithopus.


*Noctua rhizolitha*, Fabr. Mant. p. 182 (1787); Esp. Schmett. iv. pl. 121. fig. 6; Hüb. Noct. fig. 242.


A number of specimens, coll. Pryer.

Yokohama (Jonas, Pryer, and Leech); Europe.

296. Xylina saxea, sp. n. (Plate L. fig. 10.)

Primaries pale grey; the nervures are dashed with black, and there is a black streak at inner angle; three oblique black costal dashes precede small brownish clouds, there are two other larger brownish clouds, one of which is on middle of inner margin, and the other above the streak at inner angle; a small triangular brownish patch on middle of outer margin is preceded by a short black longitudinal dash: secondaries brown. Under surface brown tinged with pink, central dark spot and faint transverse line on each wing. Thorax grey; patagia edged with black; abdomen darker than secondaries, and tinged with reddish.

Expanse 41 millim.

One example, coll. Pryer.

Yokohama? (Pryer).

*Proc. Zool. Soc.—1889, No. XXXVI.*
297. Lithophane saga.


Six specimens, coll. Pryer. Mr. Manley sent me one example from Yokohama.

Yokohama (Jonas, Pryer, Manley).

298. Piada multiplicans, Walk. (Plate LII. fig. 6.)

*Var. japonica, var. n.*

Primaries greenish grey, suffused over the inner half of the wing with purplish brown; a black spot at the base on subcostal nervure; several pale transverse lines traverse the wing, the inner and outer of these are bordered with black; reniform and orbicular outlined in black, the former with a black central lunule; beyond the outer line is a series of white dots, each placed on a nervule and followed by a blue-black interrupted streak, its lower portion edged externally with orange, and the upper portion bordered by purplish-brown dots; a series of black dots on upper half of outer margin: secondaries fuscous; central and submarginal lines darker, the latter is only distinct towards anal angle, where it is edged externally with orange. Under surface ashy grey; primaries have a broad central transverse fuscous shade intersected by a darker transverse line, lunule surrounded with paler; central spot of secondaries is black, and enclosed in a yellowish ring; central line and a broad band fuscous, the latter limited by black spots, and edged externally with yellowish, a series of black lunules on outer margin.

Expanse 42 millim.

One ♀ example, coll. Pryer.

I took a ♂ specimen at Sendai in September 1886.

Yesso (Pryer); Sendai (Leech).

299. Cucullia fraterna.


Three specimens, coll. Pryer.

Hakodate (Whitely); Yokohama (Pryer).

300. Cucullia asteris.


*Cucullia asteris*, Treit. Schmett. v. 3. 118; Guen. Noct. ii. p. 133.

Two specimens, coll. Pryer.

Yokohama? (Pryer).

301. Cucullia perforata.

*Cucullia perforata*, Brem. Bull. de l'Acad. 1861, t. iii.; Lep. Ost-Sib. p. 54, pl. v. fig. 14 (1864); Oberth. Étud. d'Ent. x. pl. iii. fig. 1 (1884).

One example, coll. Pryer.
I took a specimen at Hakodate in August; this is smaller and
darker than Pryer's, which was taken in Yesso. My native collector
obtained one example at Gensan in July.

Yesso (Pryer); Hakodate (Leech); Gensan (Nat. Coll.); Sidemi
(Jankowski); Ussuri (Maack).

302. Calocampa formosa.

(1878); Ill. Typ. Lep. Het. ii. pl. xxxi. fig. 9 (1878).
Several specimens, coll. Pryer.
Yokohama (Pryer, Jonas, and Manley); Tokio.

303. Calocampa exoleta.

Phal.-Noctua exoleta, Linn. Syst. Nat. x. p. 515; Faun. Suec.
p. 315.
Noctua exoleta, Esp. Schmett. iv. pl. 138. figs. 1, 2; Hübn. Noct.
pl. 50. fig. 244.
Xyilina exoleta, Treit. Schmett. v. 3. 7.
(1878); Ill. Typ. Lep. Het. ii. pl. xxxi. fig. 8 (1878).
Several examples, coll. Pryer.
The thorax and base of primaries are rather darker in colour, but
Japanese specimens do not otherwise differ from European C. exoleta.
Yokohama (Jonas and Pryer); Europe.

304. Amphipyra pyramidea.

Phal.-Noctua pyramidea, Linn. Syst. Nat. x. p. 518.
Noctua pyramidea, Esp. Schmett. iv. pl. 171. figs. 1–3; Hübn.
Noct. fig. 36.
ii. p. 213.
Amphipyra surnia, Feld. Reis. Nov. pl. exii. fig. 17.
A nice series, coll. Pryer.
I took specimens at Gensan and several places in Japan in August,
and October.

In the series before me, which is an extensive and most varied
one, there are typical examples of A. pyramidea and forms agreeing
with both A. monolitha and A. magna and other forms which link
these together. There is also one example of Oberthür's var.
obscura.

Yokohama (Pryer, Manley, Leech); Oiwake (Pryer, Leech);
Tsuruga, Hakodate, Fushiki, Nemoro, Nagasaki, Gensan (Leech);
Hakone (Smith); Kiukiang (Pratt); Tokio, Askold; N. India;
Europe.
305. **Amphipyra schrenkii.**
Several specimens, coll. Pryer (unnamed).
I took this species at Hakodate in August.
Oiwake, Yesso (Pryer); Hakodate (Leech); Amur.

306. **Amphipyra perlflu.a.**
*Noctua pyramidina*, Esp. Schmett. iv. pl. 192. fig. 2.
Var. *Amphipyra jankowskii*, Oberth. Etud. d’Ent. x. p. 27, pl. ii. fig. 8 (1884).
Several specimens, coll. Pryer.
*A. erebina*, Butl., is a small form of *A. perlflu.a*, and *A. jankowskii* has the central third of the primaries darker than in the type. I took the *erebina* form at Fushiki, Nagahama, and Gensan in July 1884, and my native collector one of the *jankowskii* form at Gensan in July 1887.
Yokohama (Jonas and Pryer); Hakodate (Whitely); Fushiki, Nagahama, Gensan (Leech); Tokio; Sidemi (Janskowski); Europe.

307. **Amphipyra tripartita.**
One example, coll. Pryer.
I took two specimens at Oiwake in October.
Yoshino (Pryer); Yokohama (Jonas); Oiwake (Leech); Ichang.

308. **Amphipyra corvina.**
Several specimens, coll. Pryer.
I took this species at Nagahama and Gensan in July, and at Hakodate in August. It was a perfect pest at sugared tree-trunks and appeared to be the commonest Moth in Japan.
Yokohama, Oiwake (Pryer); Hakodate, Nagahama, Gensan (Leech); Kiukiang (Pryer); Amur.

309. **Amphipyra livida.**
*Noctua scotophila*, Esp. Schmett. iv. pl. 170. fig. 3.
I took one specimen at Nemoro in August.
Nemoro (Leech); Amur; Europe.
1889. Lepidoptera of Japan and Corea. 541

310. Perinœnia lignosa.


Several specimens, coll. Pryer.

I took one specimen at Yokohama in October.

Yokohama (Pryer, Manley, Jonas, and Leech); Gifu (Pryer).

311. Dinumma bipunctata.


_Amphipyra larreteaui_, Oberth. Etud. d'Ent. x. p. 28, pl. ii. fig. 7 (1884).

Several specimens, coll. Pryer.

I took examples of this species at most places visited in Japan during June and July 1886.

Yokohama (Pryer and Manley); Nagahama, Shimonoseki, Nagasaki, Tsuruga, Fushiki, Gensan (Leech); Kouy-Tchéou (Larreteau); Chekiang; Tokio.

312. Autophila dilucida.

_Noctua dilucida_, Hüb. Noct. pl. 82. fig. 383, pl. 121. fig 558.


_Agrotis dilucida_, Treit. Schmett. v. 1. 198.

_Spintherops dilucida_, Boisid. Icones, pl. 80. fig. 5; Ind. Meth. p. 98. 742; Guen. Noct. ii. p. 423.


Two examples, coll. Pryer.

Mr. Butler says of his _A. inconspicua_: "Most like _A. phantasma_, but not much larger than _Autophila dilucida_ of Europe . . . . The specimen received from Mr. Pryer is rather darker than those from Tokio, and has blackish spots on the discocellular below."

Except that the coloration is a shade darker, my Japanese examples are exactly identical with _A. dilucida_.

Tokio (Fenton); Yokohama (Pryer); Europe.

313. Orthogonia sera.


Several specimens, coll. Pryer.

Varies considerably in tone of colour and definition of markings.

Occurs abundantly at sugared trees from July to October.

Yokohama (Pryer, Jonas); Oiwake, Shimonoseki, Gensan (Leech); Yesso (Pryer); Kiukiang (Pratt); Tokio, Ningpo, Chekiang.

314. Mormo muscivirens.


A few specimens, coll. Pryer.
I took specimens at Gensan in July.
Yokohama (Jonas and Pryer); Nikko, Tsuruga; Kiukiang (Pratt).

315. Nænia contaminata.
Several specimens, coll. Pryer.
I took specimens at Gensan in June, and have received others from Kiukiang, China.
Yokohama, Oiwake (Pryer); Gensan (Leech); Kiukiang (Pratt).

316. Eliochrea senex.
_Dandaca ? megei_, Oberth. Étud. d'Ent. vi. p. 20, pl. ix. fig. 6 (1881).
A fine and extensive series, coll. Pryer.
This species varies greatly in tone of colour and intensity of markings.
I took specimens in Satsuma in May, at Nagahama in July, and my native collector obtained others at Gensan in August.
Yokohama (Jonas and Pryer); Satsuma, Nagahama (Leech); Gensan (Nat. Coll.); Kuy-Tchéou (Largeteau).

317. Sypna picta.
_Sypna achatina_, Butl. l. c. p. 245; Ill. Typ. Lep. Het. iii. pl. xlvii. fig. 7 (1879).
_Sypna fumosana_, Butl. l. c.; Ill. Typ. Lep. Het. ii. pl. xxx. fig. 3 (1878).
_Sypna fuliginosa_, Butl. l. c.; Ill. Typ. Lep. Het. iii. pl. xlvii. fig. 8 (1879).
A fine and variable series, coll. Pryer.
I took specimens in Satsuma in May, and at Gensan and Shimonoseki in July, and Hakodate in August. The series in Mr. Pryer's collection comprises examples of all the forms named by Mr. Butler, others connecting these named forms, and others again which are as distinct from both of those forms as from the type.
Hakodate (Whitely); Yokohama (Jonas and Pryer); Nikko (Maries); Tokio (Fenton); Oiwake (Pryer); Satsuma, Shimonoseki, Gensan (Leech); Shillong, Assam.

318. Sypna astrigera.
Several specimens, coll. Pryer.
I took an example at Nagasaki in June, and one at Shimonoseki in July.
Nikko, Chiuzenji (Lewis); Nagasaki, Shimonoseki (Leech); Yokohama? (Pryer).

319. *Sypna hercules.*


One example, coll. Pryer.

I took a specimen at Hakodate in August.
Mr. Butler has placed this undoubted *Sypna* among the Hypenidæ.

320. *Erygia apicalis.*

*Erygia apicalis,* Guen. Noct. iii. p. 50 (1852).
*Calicula squamiplena,* Walk. l. c.
*Diathæcia geometroides,* Walk. l. c. Suppl. iii. p. 722 (1865).

Six specimens, coll. Pryer.

My native collector took one example at Gensan in August.
Japan? (Pryer); Gensan (Nat. Coll.); India, Moreton Bay, Swan River.

321. *Toxocampa maxima.*

*Toxocampa maxima,* Brem. Lep. Ost-Sib. pl. v. fig. 17 (1864).

Several specimens, coll. Pryer.

I took specimens at Shimonoseki and Gensan in July.

Varies in colour from ochreous grey to violet-grey.

Yokohama (Jonas, Pryer, and Manley); Oiwake (Pryer)

Shimonoseki, Gensan (Leech); Nikko, Tokio, Amurland.

322. *Toxocampa vulcanaea.*


One example, coll. Pryer.

Tokio (Fenton); Asamayama (Pryer).

323. *Toxocampa recta.*

*Toxocampa recta,* Brem. Lep. Ost-Sib. p. 98, pl. viii. fig. 9 (1864).

A fine series, coll. Pryer.

I took specimens at Fushiki and Nagahama in July, Sendai and Nikko in September, and at Yokohama in October. My native collector obtained others at Gensan in August.

Yokohama (Jonas, Pryer, and Leech); Oiwake (Pryer); Sendai, Nikko, Fushiki, Nagahama (Leech); Gensan (Nat. Coll.); Kiukiang (Pratt); Tokio, Amur.
324. **TOXOCAMPA LIMOSA.**

*Ophiusa limosa*, Treit. Schmett. v. 3. 298.

Four specimens, coll. Pryer.
Oiwake (*Pryer*); Amur, Europe.

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325. **OPHIDERES FULLONICA.**

*Phal.-Noctua fullonica*, Linn. Syst. Nat. xii. p. 812 (1767); Clerck, Icon. pl. 48 (1759).
*Othreis fullonica*, Moore, Trans. Zool. Soc. 1881, p. 64, pl. 12. figs. 1, 1a, pl. 13. figs. 1, 1a.

I have four specimens of this species; one of these is of the dark form, and was taken at Gensan by Mr. Smith; a pale specimen I took myself at Gensan in July; and two others, also dark, were taken by Mr. Pratt at Kiukiang.

Gensan (*Smith, Leech*); Kiukiang (*Pratt*); India.

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326. **OPHIDERES TYRANNUS.**


Several fine examples, coll. Pryer.
The amount of green in the brown coloration of primaries is a variable quantity.

Oiwake (*Pryer*); Hakodate (*Andrews*); Kiukiang (*Pratt*); Shanghai, Sikkim, Kulu, Simla, Bombay.

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327. **NYCTIPAO CREPUSCULARIS.**

*Phal.-Attacus crepuscularis*, Linn. Syst. Nat. xii. p. 811; Clerck, Icon. pl. 53. figs. 1, 2.

A few examples, coll. Pryer.
I took specimens in Satsuma and at Nagasaki in May, Tsuruga and Fushiki in July.

Hakodate (*Whiteley*); Yokohama, Loochoo (*Pryer*); Satsuma, Nagasaki, Tsuruga, Fushiki (*Leech*); China, Bengal, N. India, Sumatra, Madagascar, Java, Amboina, America.
328. **Spirama martha.**


A few specimens, coll. Pryer.

I took some at Nagasaki in June.

Tokio (Fenton); Yokohama (Jonas, Manley, Pryer); Nagasaki (Leech); Kinkiang (Pratt); Nikko.

329. **Spirama retorta.**

*Phal.*-*Noctua retorta,* Clerck, Icon. pl. 64. figs. 2, 3 (1759); Cram. Pap. Exot. ii. p. 29, pl. cxvi. fig. O, S (1777); Cram. l. c. iii. p. 146, pl. cclxxiv. fig. A, D (1780).

*Noctua spiralis,* Fabr. Ent. Syst. iii. 2 (1793).


*Spirama japonica,* Guen. l. c.

*Spirama retorta,* Guen. l. c. p. 196.


*Spirama jinchuena,* Butl. l. c. p. 115.

*Spirama funestris,* Butl.

A fine series, coll. Pryer.

This species is common all over Japan, Corea, and N. China, and there appears to be a succession of broods. It does not seem possible to break up the series I have from various localities into species. This series is composed of individuals selected from a large number of specimens. All the forms described by Butler and Guenée as distinct species are represented, and these are so well-linked together by intermediate modifications that there is no clear line of demarcation to be drawn between them. I am therefore obliged to consider all the specimens referable to one exceedingly variable species.

Tokio (Fenton); Nikko (Maries); Yokohama (Jonas, Pryer); Tsuruga, Nagasaki, Fushiki, Nagahama, Satsuma (Leech); Kii-kiang (Pratt); Corea, Chekiang, Java, Coromandel coast.

330. **Calliodes rectifasciata.**

*Spirama rectifasciata,* Mén. Cat. Mus. Petr. pl. xvii. fig. 6.


I took specimens at Nagasaki and Shimonoseki in June, at Tsuruga and Gensan in July.

Yokohama (Jonas and Manley); Nagasaki, Shimonoseki, Tsuruga, Gensan (Leech).

331. **Hypopyra vespertilio.**

Hypopyra dulcina, Feld.  
A few specimens, coll. Pryer.  
I took specimens in Satsuma and at Shimonoseki, Nagahama, and Tsuruga in July.  
Yokohama (Pryer, Manley); Satsuma, Shimonoseki, Nagahama, Tsuruga (Leech); Silhet, Java.

332. Ophiusa falcata.  
One unnamed specimen, coll. Pryer.  
My native collector took a ♂ example at Ningpo in June 1886, and a ♀ specimen at Gensan in June or July 1887.  
All three are identical with Kiukiang specimens.  
Japan (Pryer); Gensan, Ningpo (Nat. Coll.); Kiukiang (Pratt); N. India.

333. Ophiusa algira.  
Phal.-Noctua algira, Linn. Syst. Nat. xii. p. 836 (1767).  
Noctua algira, Esp. Schmett. iv. pl. 87. fig. 1 (1788 ?).  
Noctua stuposa, Fabr. Ent. Syst. iii. 2. p. 42. 112 (1793).  
Noctua triangularis, Hüb. Noct. pl. 66. fig. 323.  
In this species the width of central white or pale grey fascia, the outline of dark fascia beyond, and the spot at apex are all subject to modification. Some of the specimens are not separable from European O. algira, others agree with O. stuposa, Fabr.  
Yokohama, Loochoo (Pryer); Gensan (Nat. Coll.).

334. Ophiusa algira, var. curvata, v.n. (Plate LIll. fig. 8.)  
Differs from the type in the outline of basal patch and central fascia; the former has a deep indentation below the costa and then descends straight to the inner margin, while the latter has a clear curved exterior margin. The ground-colour of primaries is more deeply suffused with violet.  
Three specimens, one of which is from Loochoo, coll. Pryer, and the others were taken by my native collector at Gensan in August 1887.  
Although showing some points of difference, I cannot at present regard this insect as specifically distinct from O. algira.

335. Ophiusa arctotænia.  
A fine series, coll. Pryer.  
I took examples in Satsuma in May, and at Gensan in July.  
Varies in size, tone of ground-colour, and width of white fascia; this
last is in one specimen from Gensan very narrow and quite uniform from costa to inner margin.

Yokohama, Loochoo (Pryer); Satsuma, Gensan (Leech); Kiukiang (Pryer); Nikko, Silhet, Punjaub.

336. Ophiusa arcuata.


I took one example at Gensan in July.

Gensan (Leech).

337. Ophiusa dulcis.


A few specimens, coll. Pryer.

I took a specimen at Fusan in June, and my native collector obtained examples at Gensan in July.

Yokohama (Jonas and Pryer); Oiwake (Pryer); Fusan (Leech); Gensan (Nat. Coll.).

338. Chrysorithrum amatum.


Chrysorithrum rufescens, Butl. l. c.

A nice series, coll. Pryer.

I took specimens at Gensan, where it swarmed at sugared tree-trunks in July.

A most variable species as regards colour of primaries, which range from olive-brown (var. fuscum) through violet-grey (the type) to a pale pinkish brown (var. rufescens). The markings also vary in intensity and in tone of colour, and the width of yellow band on secondaries is subject to considerable aberration.

Yokohama (Jonas); Tokio (Fenton); Nikko, Fujisan (Pryer); Gensan (Leech); Hakodate (Nat. Coll.); Kiukiang (Pryer); Amur.

339. Chrysorithrum maximowiczi.


Three specimens, coll. Pryer.

Yokohama (Jonas); Oiwake, Fujisan (Pryer).

340. Lacera procellosa.


Seven specimens, coll. Pryer.

Yokohama (Pryer and Manley); Nikko (Pryer).
341. **Ercheia umbrosa.**


Four examples, coll. Pryer (no. 936, ?gen. ? sp.).
Tokio (Fenton); Nikko, Gifu (Pryer).

342. **Cocytoodes modesta.**

*Cocytodes modesta*, Van der Hoeven, Lep. Nouv. pl. vii. figs. 8 a, b.

Several specimens, coll. Pryer.

The larva is said to resemble a brightly coloured centipede (Pryer, Cat. p. 103).

Yokohama (Pryer); Kiukiang (Pratt); Ceylon, Silhet, Sikkim, Nilgiri Hills, Solun, Java, Sumatra.

343. **Lagoptera elegans.**

*Ophiusa elegans*, Hoeven, Lep. Nouv. pl. v. figs. 6 a, b.

A few specimens, coll. Pryer.

I took specimens at Fushiki and Gensan in July.

Yokohama (Pryer); Fushiki, Gensan (Leech); Kiukiang (Pratt); Java, Himalaya.

344. **Catocala nivea.**


A good series in Pryer’s collection.

I found the species very abundant at Nikko in September.

This insect is a conspicuous object as it rests on trunks of *Crip-tomeria*, whereas its colour and ornamentation would render it almost unnoticed if it rested on the young oaks, which are common in the localities where it occurs.

Oiwake, Utsunomiya (Pryer); Yokohama (Jonas); Hakodate, Nikko, Yokohama (Leech); Ichang (Pratt); Thundiani.

345. **Catocala lara.**


A nice series, coll. Pryer.

Yesso (Pryer); Tokio; E. Siberia, Askold.

346. **Catocala intacta, sp. n.** (Plate LI.111. fig. 7.)

Primaries pale grey, clouded with darker; basal line represented by a triangular black spot on costa; the basal third, which is somewhat darker than other part of wing, is limited by a dark brown oblique band extending to the middle of wing, from whence a dark angulated line descends vertically to the inner margin; outer line serrated and elbowed below costa, it has a long inward projection at
the middle, and a sharp angulation before inner margin; reniform placed in a dark brown triangle from costa; outer third dark grey, intersected by a brownish wavy submarginal line, bordered internally with pale grey; secondaries pale buff suffused with ashy black; abdominal margin, central transverse band, and outer border blackish, a patch of pale buff at outer angle. Under surface pale buff, outer border of primaries black, as also are the central band and a broad streak from its inner extremity to the base; secondaries have narrow, blackish, central and marginal bands.

Expanse 68 millim.
Allied to *C. dula.*
One specimen taken by myself at Nagahama in July 1886.

347. *Catocala actœa.*

*Catocala actœa,* Feld. Reise Nov. pl. exii. fig. 22.
Several examples, coll. Pryer.
Common in mainland of Japan from July to October.
Tokio, Nikko, Fushiki, Yokohama (*Leech*) ; Ichang, Kiukiang.

348. *Catocala sancta.*

Two specimens, coll. Pryer.
Yesso (*Pryer*).

349. *Catocala dissimilis.*

Several examples, coll. Pryer.
I took specimens commonly at Hakodate in August.

350. *Catocala nupta.*

*Phal._ Noctua nupta,* Linn. Syst. Nat. xii. p. 841.
*Noctua nupta,* Esp. Schmett. iv. pl. 97. fig. 1, 2; Hübn. Noct. pl. 69. fig. 300.
One example, coll. Pryer.
This species is recorded by Oberthür from N. China and Isle of Askold, under the name of *C. nupta* var. *obscurata.*
Yesso (*Pryer*); N. China, Askold; Europe.

351. *Catocala dula.*

Several examples, coll. Pryer.
I took a number of specimens of this species at Hakodate in August, and Sendai in September.
Yesso, Kurile Islands (*Pryer*); Hakodate, Sendai (*Leech*); E. Siberia.
352. **Catocala electa.**


Several specimens, coll. Pryer.

I took examples at Gensan in July, Hakodate in August, and Sendai in September.

In size Japanese specimens range from 75 millim. to 86 mm. in expanse, giving an average of 80 millim., whilst European specimens in my collection vary from 70 millim. to 82 millim., average 77 millim. The colour of primaries varies from silvery grey through ochreous grey to dark grey (Gensan examples), and there is some modification in the width of the band of secondaries; but altogether there is really nothing to separate *C. zalmunna*, Butl., from the European *C. electa*.

Yokohama (Jonas); Oiwake, Yesso (Pryer); Hakodate, Gensan (Leech); Nikko, Tokio, Sapororo.

353. **Catocala volcanica.**


A fine series, coll. Pryer.

I took specimens at Fushiki in July, and Hakodate in September.

Oiwake, Yokohama (Pryer); Fushiki, Hakodate (Leech); Kiu-kiang.

354. **Catocala mirifica.**


A fine series, coll. Pryer, and I received four examples from Mr. Manley.

Yokohama (Jonas, Pryer, and Manley).

355. **Catocala bella.**


A fine series, coll. Pryer.

Yokohama (Jonas); Chiuzenji.

356. **Catocala jonasii.**


A nice series, coll. Pryer.

I took examples at Fushiki and Tsuruga in July, and Nikko in September.

Yokohama (Jonas and Pryer); Fushiki, Tsuruga, Nikko (Leech).
357. *Catocala omphale.*


Four specimens, coll. Pryer.

Tokio (Fenton); Yesso (Pryer).

358. *Catocala hymenea.*

*Noctua hymenea*, Schiff. S. V. p. 91; Esp. Schmett. iv. pl. 106. fig. 1; Hüb. Noct. pl. 73. fig. 340.


I took two examples at Gensan in July.

Gensan (Leech); South and East Europe.

359. *Catocala puella*, sp. n. (Plate LIII. fig. 5.)

Primaries greyish brown; a black abbreviated basal line and indented inner line; the outer line is also black; this last starts from the costa in an oblique direction towards outer margin, then curves inwards and upwards to the median nerve, which it traverses for a short distance, then descends to the inner margin making one sharp angle in its course; a dark wavy submarginal line and a series of dark marginal lunules; stigmata indistinct: secondaries pale yellowish orange, with broad blackish outer margin and a dash of the ground-colour at outer angle; central band interrupted before the costa. Under surface pale yellowish orange; blackish central line and outer border to all the wings; the outer angle of secondaries is tipped with orange. Abdomen grey, tinged with tawny beneath.

Expanse 50 millim.

One example taken by myself at Gensan in July 1886.

360. *Catocala esther.*


Several examples, coll. Pryer.

I took specimens at various localities in Japan and at Gensan in the Corea in July.

Yokohama (Jonas and Pryer); Shimonoseki, Tsuruga, Nagahama, Gensan (Leech); Tokio, Chekiang, Kiukiang.

361. *Catocala ella.*


A fine series, coll. Pryer.

I took a fine series at Hakodate in August.

The black bands of secondaries are subject to considerable variation; in some examples almost the entire wing is suffused with black.

Yokohama (Jonas, Manley, and Pryer); Yesso (Pryer); Hakodate (Leech).
362. Catocala separans, sp. n. (Plate LIII. fig. 6.)

Allied to C. duplicata, but the black outer line is more strongly angulated and produced below the costa, and the tooth-like projection above the inner margin is of greater length. There is also a conspicuous white spot outlined in black below the reniform. On the secondaries the central black transverse band is curved instead of angulated, and is interrupted before reaching the external margin; the black marginal border is scalloped on its internal edge. Antennae two thirds the length of primaries.

Expanse 57 millim.
I took a specimen at Nagahama and one at Fushiki in July.

363. Catocala duplicata.

One example, coll. Pryer, without exact locality.

364. Catocala prægnax.

Catocala prægnax, Walk. Cat. Lep. Het. xiii. p. 1213 (1857);
I took two examples at Gensan in July.
North China (Fortune); Gensan (Leech).

365. Catocala connexa.

Catocala connexa, Butl. Trans. Ent. Soc. 1881, p. 196. no. 84.
Catocala nubila, Butl. l. c. no. 85.
Several specimens, coll. Pryer.
I took examples commonly at Hakodate in August and a few Sendai in September. The specimens vary in coloration of primaries from pale silvery grey, through ochreous grey with well-defined transverse lines and markings, to an almost unicolorous dark ashy grey. In one ochreous-grey example from Hakodate the space between the central transverse lines is filled up with blackish forming a broad fascia.

Tokio (Fenton); Oiwake (Pryer); Hakodate, Sendai (Leech).

366. Catocala paranymphula.

Phal.-Noctua paranymphula, Linn. Syst. Nat. xii. p. 842.
Several examples, coll. Pryer, unnamed.
I took specimens at Tsuruga, Nagahama, Sendai, Yokohama, and Gensan. Japanese specimens are larger than examples from Europe, but do not differ in any other particular.
Hakodate (Whitely).

367. Remigia archesia.

Phal.-Noctua virbia, Cram. t. c. p. 146, fig. H.
A nice series, coll. Pryer.
I took examples at Foochau in April, and Mr. Smith met with it at Hakone in August. My native collector also obtained it at Ningpo in June and Gensan in July.
Yokohama (Pryer); Foochau (Leech); Hakone (Smith); Ningpo, Gensan (Nat. Coll.); Punjaub, N. India, Ceylon, Java, Sierra Leone, N. China.

368. Remigia annetta.
Several specimens, coll. Pryer.
I took examples at Ningpo in April in Satsuma, and at Nagasaki in May, and at Tsuruga, Fushiki, and Gensan in July.
Yokohama (Jonas and Pryer); Hakodate (Whitely); Satsuma, Nagasaki, Tsuruga, Fushiki, Gensan, Ningpo (Leech); Formosa, N. India.

369. Remigia nigrisigna, sp. n. (Plate LII. fig. 5.)
Primaries greyish brown, faintly tinged with pinkish; basal line represented by a spot on costa and one below it; inner line dark brown, preceded by a black spot above inner margin; central line wavy and indistinct; outer line curves from costa and skirting the indented external edge of a dark patch following the reniform continues a wavy course to the 1st median nervule, when it curves inwards and upwards to the 2nd median, then recurses to a point further inwards on the 1st median; from thence it descends in a graceful sweep to the inner margin; submarginal pale, denticulated, shaded on each side with darker: secondaries grey-brown, central transverse line and marginal border darker, the latter intersected by a line of the ground-colour. Under surface grey; basal half of primaries suffused with fuscous; central line, spot, and a broad border on outer margin fuscous, the latter intersected by a transverse band of ground-colour.
Expanse 40 millim.
One specimen taken by myself in Satsuma, May 1886.
There is an unnamed example of this species from Formosa in coll. Moore.

370. Azazia ussuriensis.
A few specimens, coll. Pryer.
Mr. Pryer in his 'Catalogue of the Lepidoptera of Japan,' p. 103, says:—"Azazia unduligera I believe to be a Pyralis."

I took examples at Nagasaki in June; at Shimonoseki, Fushiki, Tsuruga in July, and at Hakodate and Hakone in August.

Yokohama (Pryer and Jonas); Nagasaki, Shimonoseki, Fushiki, Tsuruga, Hakodate, Hakone (Leech); Tokio, Ussuri.

371. Euclidia Glyphica.
Phal.-Noctua glyphica, Linn. Syst. Nat. x. p. 510; Faun. Suec. p. 1161.
Noctua glyphica, Esp. Schmett. iv. pl. 89. fig. 2; Hübn. Noct. fig. 347.
Euclidia glyphica, Treit. Schmett. v. 3. 390; Guen. Noct. iii. p. 293.
A few specimens, coll. Pryer.
Yokohama (Jones); Oiwake, Yesso (Pryer).

372. Pelamia Electaria.
Doryodes electaria, Brem. Lep. Ost-Sib. p. 84, pl. vii. fig. 12.
Five specimens, coll. Pryer.
Yesso, Oiwake, Amur.

373. Zethes musculus.
Several specimens, coll. Pryer.
I took examples at Gensan in July.
Yokohama, Oiwake (Pryer); Gensan (Leech); Amur.

374. Psimada cineracea.
Psimada cineracea, Butl. Ill. Typ. Lep. Het. iii. p. 27, pl. xlvii. fig. 4 (1879).
A few specimens among Mr. Pryer’s duplicate Deltoids.
Yokohama (Jones).

375. Trotosema Sordidum.
Yokohama (Pryer).

376. Platyja Nubiferalis.
Platyja nubiferalis, Leech, Entom. xxii. p. 64, pl. ii. fig. 8 (1889).
I took specimens in Satsuma and at Nagasaki in June.
Satsuma, Nagasaki (Leech); Kiukiang (Pratt).

377. Capnodes Cremata.
I took specimens at Gensan in July and Hakodate in August.
Yokohama (Jones); Hakodate, Gensan (Leech).
378. *Capnodes cinerea.*
*C. cinerea,* Butl.
One example taken by my native collector at Hakodate in June or July 1887.
Hakodate (*Nat. Coll.)*.

379. *Capnodes gensanalis.*
*C. gensanalis,* Leech, Entom. xxii. p. 63, pl. ii. fig. 9 (1889).
One specimen taken by myself at Gensan in July 1886.
Gensan (*Leech).*

380. *Capnodes curvipalpis.*
I took examples at Tsuruga and Gensan in July.
Yokohama (*Pryer).*

381. *Bithiasa notigera.*
Yokohama (*Pryer).*

382. *Mestleta lutefascialis.*
*M. lutefascialis,* Leech, Entom. xxii. p. 65, pl. ii. fig. 15 (1889).
I took a male specimen in Satsuma, May 1886.
Satsuma (*Leech).*

383. *Madopa salicalis.*
*Pyralis salicalis,* Fabr. Syst. Ent. iii. 369; Hüb. Pyral. fig. 3.
Several specimens, coll. Pryer.
I took this species in Satsuma in May, at Hakodate in August, and at Gensan in July.
Yokohama (*Jonas and Pryer*); Satsuma, Hakodate, Gensan (*Leech*); Europe.

*M. flavomacula,* Oberth. Etud. d'Ent. v. p. 87, pl. iv. fig. 5 (1880).
I took examples at Ningpo in April, in Satsuma in May, at Nagasaki and Gensan in June.
Satsuma, Nagasaki, Gensan, Ningpo (*Leech*); Askold, Amur.
385. **Dichromia claripennis**.


One example, coll. Pryer.
I took a specimen at Ningpo in April, and one at Gensan in July.
Yokohama (Jonas, ?Pryer); Ningpo, Gensan (Leech).

386. **Dichromia amica**.

*Dichromia amica*, Butl. l. c. p. 55, fig. 3.

I obtained specimens at Nagasaki in May, Hakodate in June, Fushiki in July, and my native collector took the species at Gensan in July.

Yokohama (Jonas); Hakodate (Whitely and Leech); Nagasaki, Fushiki (Leech); Gensan (Nat. Coll.).

387. **Hypena rhombalis**.


I took specimens at Hakodate in August and at Ningpo in April.
Hakodate, Ningpo (Leech); Central India.

388. **Hypena fontis**.

*Hypena fontis*, Thunb. Mus. Nat. p. 72, fig. 5 (1788).
*Pyralis achatialis*, Hübn. Pyral. pl. 2. fig. 12, pl. 27. fig. 172.
*Pyralis terriculalis*, Hübn. l. c. pl. 25. fig. 163.


A fine series taken by myself in Satsuma in May and at Gensan in June.

389. **Hypena squalida**.


Probably a form of *Bomolochra fontis*.
Yokohama (Jonas).

390. **Hypena ella**.


I took specimens at Nagasaki in May.
Yokohama (Jonas); Nagasaki (Leech).

391. **Hypena indicatalis**.


I took specimens in Satsuma and at Nagasaki in May, and my native collector obtained the species at Gensan in July.
Nagasaki, Satsuma (Leech); Gensan (Nat. Coll.); Loochoo (coll. Pryer); Sarawak, Borneo.
392. Hypena rivuligera.


"Allied to Indian _H. lacessalis_, Walk."

Tokio (Fenton).

393. Hypena satsumalis.

_Hypena satsumalis_, Leech, Entom. xxii. p. 62, pl. ii. fig. 13 (1889).

I took five specimens in Satsuma, May 1886.

Satsuma (Leech).

394. Hypena stigiana.


Three examples, coll. Pryer.

I took specimens at Nagasaki in May, Hakodate, June, July, and August, and my native collector met with this species at Gensan in July.

Yokohama (Jonas); Hakodate, Nagasaki (Leech); Gensan (Nat. Coll.).

395. Hypena belinda.

_Hypena belinda_, Butl. Ill. Typ. Lep. Het. iii. p. 61, pl. lvi. fig. 3 (1879).

Four specimens, coll. Pryer.

I obtained examples at Fushiki in July, Nikko in September, and Oiwake in October, whilst my native collector took it at Nagasaki in June, and Gensan in July.

Yokohama (Jonas); Fushiki, Nikko, Oiwake (Leech); Nagasaki and Gensan (Nat. Coll.).

396. Hypena albopunctalis, sp. n. (Plate LII. fig. 10.)

♂. Primaries olive-brown with a purple tinge, strongest towards apex; central fourth dark olive-brown, bounded on its inner edge by a darker angulated and indented line, its external edge limited by a violet-grey bordered dark bisinuate line; submarginal line indicated by an irregular series of black white-edged dots, larger towards the costa, outer marginal line formed of black triangular dots placed at the extremities of the nervules; a pear-shaped white discal spot narrowly edged with blackish and a few dark dashes on the costa beyond the exterior line; secondaries fuscous brown, central spot darker. Under surface pale grey-brown; primaries clouded with ochreous on costal and outer margins; central line darker, visible on the costa only, where it is bordered externally with pale brown, beyond and nearer the apex is a round black spot; secondaries, central line black, two transverse fuscous lines, marginal line black and interrupted except at anal angle, where it is entire and distinct.

Expanse 34 millim.

One specimen taken by my native collector at Gensan in July 1886.
In structure this species agrees well with *H. mandatalis*, Walk., from Ceylon, but it differs therefrom in colour and marking, the white discal spot being a very conspicuous feature. From *H. stigiana*, Buttl., which it resembles superficially, it is easily separable by the very different palpi.

397. **Hypena obesalis.**

*Pyralis crassalis*, Hübn. Pyral. pl. 2. fig. 8.  

A long and most variable series. The specimens were taken by myself in Satsuma in May and Gensan in June.  
Satsuma, Gensan (Leech).

398. **Hypena rostralis.**

*Pyralis rostralis*, Hübn. Pyral. fig. 10, 191, 394.  

I took one example of this species at Hakodate in August.  
Hakodate (Leech); Europe.

399. **Hypena kengkalis.**

Several, coll. Pryer.

I took examples at Nagasaki in June, Hakodate in August, and at Oiwake in October.  
Yokohama? (Pryer); Nagasaki, Hakodate, Oiwake (Leech); Amur.

400. **Hypena similalis**, sp. n.  (Plate LII. fig. 2.)

♂. Primaries greyish, sparingly sprinkled with blackish scales, traversed from near apex to middle of inner margin by a brownish line, which is edged externally with paler; the area within this line is tinged with ochreous, and that beyond the line with violet; orbicular stigma white, punctiform, with a few black scales on its internal edge; reniform linear, pale with a black dot at each extremity; dark but indistinct basal line runs obliquely from costa to below orbicular, where it turns sharply inwards and downwards to inner margin; submarginal line, composed of black dots, starts from apex and terminates in two large spots on the inner margin; fringes brown; secondaries pale brown, central spot darker; fringes pale at the base and preceded by a dark brown line. Under surface pale fuscous brown, central spot on primaries darker.

Expanse 38 millim.

I took three male specimens at Oiwake in October 1886, and my native collector obtained one example of the same sex at Nikko in September of the same year.
Closely allied to *H. kengkalis*, Brem., but the orbicular is white, the reniform ill defined, and the transverse line commences at the apex in *H. similalis*.

401. **Hypena vigens**.


Several examples, coll. Pryer, without exact locality.

A variable species allied to *H. abductalis*.

Yokohama (Jonas; Pryer); Khasi Hills.

402. **Hypena columbaris**.


I took specimens at Fusan in June, and Gensan in July.

Yokohama (Jonas); Fusan, Gensan (Leech).

403. **Hypena minna**.


A few specimens, coll. Pryer.

My native collector took this species at Gensan in July.

Yokohama (Jonas); Gensan (Nat. Coll.); Loochoo (Pryer); Ichang (Pratt).

404. **Hypena tatorhina**.


Yokohama (Jonas); Hakodate (Whitely); Kulu.

Mr. Butler says, "Closely allied to *H. proboscidalis*.”

405. **Hypena subcyanea**.


*Hypena subviolacea*, Butl.

Some specimens, coll. Pryer.

My native collector met with examples at Gensan in July, and I took others at Foochau in April.

Yokohama? (Pryer); Gensan (Nat. Coll.); Foochau (Leech); Formosa.

406. **Hypena rusticalis**.

*Hypena rusticalis*, Leech, Entom. xxii. p. 63, pl. ii. fig. 12 (1889).

One male specimen taken by myself at Hakodate, August 1886.

Hakodate (Leech).
407. Hypena corealis.

_Hypena corealis_, Leech, Entom. xxii. p. 62, pl. ii. fig. 1 (1889).
Two specimens taken by myself at Gensan in July 1886.
Gensan (_Leech_).

408. Naxia coreana, sp. n. (Plate LII. fig. 11.)

♀. Primaries brownish grey tinged with violet, basal third dark chocolate-brown; outer line angulated, blackish, edged below the costa with grey; submarginal line pale grey, indistinct, followed by two apical blackish spots, secondaries blackish brown, with two darker pale-edged transverse lines; fringes paler at the tips. Under surface fuliginous brown; primaries with two darker pale-edged transverse bands; secondaries with a dark central line and an indistinct pale-edged submarginal line. Fringes of all the wings pale.
Expanse 32 millim.
Three specimens taken by myself at Gensan in June and July 1886.

409. Gisira signata.

I took examples at Gensan in July.
Yokohama (_Jonas_); Gensan (_Leech_).

410. Hormisa cramboides.

Several specimens, coll. Pryer.
My native collector obtained specimens at Nagasaki in June.
Yokohama (_Jonas and Pryer_).

411. Hormisa morosa.

A few specimens, coll. Pryer.
I took examples at Shimonoseki in July and at Hakone in August. My native collector obtained some at Nagasaki in June.
Yokohama (_Jonas_); Shimonoseki, Hakone (_Leech_); Nagasaki (_Nat. Coll._).

412. Hormisa calamina.

One example, coll. Pryer.
I took a specimen at Nagasaki in June.
Yokohama? (_Pryer_); Nagasaki (_Leech_).

413. Rivula subrosea.

Tokio (_Fenton_).
414. **Rivula sericealis.**


A few specimens, coll. Pryer.

I took this species at Nagasaki in May and Gensan in June.

Nagasaki, Gensan (Leech); Ichang and Chang Yang (Pratt); Europe.

415. **Gabala argentata.**

*Gabala argentata*, Butl. Ill. Typ. Lep. Het. ii. p. 56, pl. xxxix. fig. 3 (1878.)

Several, coll. Pryer.

I obtained examples in Satsuma in May, at Nagasaki in May and June, and at Fushiki in July. My native collector took some at Gensan in August.

Yokohama (Jonas); Satsuma, Nagasaki, Fushiki (Leech); Gensan (Nat. Coll.).

416. **Pechytopgon barbalis.**

*Phal.-Geometra barbalis*, Clerck, Icones, v. fig. 3 (1759); Linn. Faun. Suec. p. 350 (1761).


*Herminia barbalis*, Treit. Schmett. vii. 5; Guen. Delt. p. 56.


Two specimens taken by my native collector at Hakodate in June or July.

Hakodate (Nat. Coll.); Europe.

417. **Zanclognatha grisealis.**

*Pyralis grisealis*, Hübn. Pyral. fig. 4.

*Herminia grisealis*, Treit. Schmett. vii. 9; Dup. Lép. viii. p. 23, pl. 211. fig. 4; Guen. Delt. p. 59.


My native collector took one example at Hakodate in July.

Hakodate (Nat. Coll.); Europe.

418. **Zanclognatha trilinealis.**

*Herminia trilinealis*, Brem. Lep. Ost-Sib. p. 64, pl. v. fig. 2 (1864).

Several examples, coll. Pryer.

Specimens were taken by myself in Satsuma in May and at Nagasaki in June.

Satsuma, Nagasaki (Leech); Amur.
419. *Zanclognatha tarsicrinalis*.


Several, coll. Pryer.

I took specimens at Nagasaki in May and Gensan in June. My native collector obtained others at Hakodate in June or July.

Yokohama (Jonas); Nagasaki, Gensak (Leech); Hakodate (Nat. Coll.).

420. *Zanclognatha fumosa*.


Several examples, coll. Pryer.

I took specimens in Satsuma in May and at Nagasaki in June.

Yokohama (Jonas and Pryer); Satsuma, Nagasaki (Leech); Wladiwostok.

421. *Zanclognatha tarsipennalis*.

*Herminia tarsipennalis*, Treit. Schmett. x. 35; Guen. Delt. p. 58.

*Pyralis tarsicrinalis*, Hüb. Pyral. fig. 5.

I took specimens in Satsuma in May, at Nagasaki and Fusan in June, and at Gensan in July.

Satsuma, Nagasaki, Fusan, Gensan (Leech); Amur; Europe.

422. *Zanclognatha linealis*.

*Zanclognatha linealis*, Leech, Entom. xxii. p. 63, pl. ii. fig. 4 (1889).

I took a male specimen in Satsuma and a female example at Nagasaki, May 1886.

Satsuma, Nagasaki (Leech).

423. *Zanclognatha stramentacealis*.

*Herminia stramentaceulis*, Brem. Lep. Ost-Sib. p. 64 (stramentalis), pl. v. fig. 22 (1864).

Amur, Yokohama? (Pryer).

424. *Herminia derivalis*.

*Pyralis derivalis*, Hüb. Pyral. pl. 3. fig. 19.

*Herminia derivalis*, Treit. Schmett. vii. 7; Dup. Lép. viii. pl. 211. fig. 5; Guen. Delt. p. 55.

A few, coll. Pryer.

I took several specimens at Gensan in June, and my native collector met with this species at Hakodate in June or July.

Yokohama? (Pryer); Hakodate (Nat. Coll.); Gensan (Leech); Chang Yang (Pratt); Europe.
425. Herminia ningpoalis.
Herminia ningpoalis, Leech, Entom. xxii. p. 64, pl. ii. fig. 7 (1889).
Five specimens taken in the Snowy Valley near Ningpo by my native collector, July 1886.
Ningpo (Nat. Coll.); Chang Yang (Pratt).

426. Herminia fascialis.
Herminia fascialis, Leech, Entom. xxii. p. 64, pl. ii. fig. 3 (1889).
My native collector took one male specimen at Hakodate, July 1887.
Hakodate (Nat. Coll.).

427. Herminia albomaculalis.
I took examples at Gensan in June and July, and my native collector took others at Ningpo in the last-named month.
Gensan (Leech); Ningpo (Nat. Coll.); Ussuri.

428. Herminia dolosa.
I took specimens at Fushiki in July.
Fushiki (Leech).

429. Herminia griselda.
Four specimens, coll. Pryer.
Taken by myself at Hakone in August and by my native collector at Gensan in June.
Yokohama (Jonas); Hakone (Leech); Gensan (Nat. Coll.).

430. Herminia helva.
Several examples, coll. Pryer.
I obtained specimens in Satsuma and at Nagasaki in May, and my native collector took some at Hakodate in June or July.
Satsuma, Nagasaki (Leech); Hakodate (Nat. Coll.).

431. Herminia pryeri.
A specimen, coll. Pryer.
I took one example of this species in Satsuma in May.
Yokohama (Jonas, ? Pryer); Satsuma (Leech).


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