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10. Noctua.

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10. NOCTUA.

Fab. Gen. Ins. 144.

(THE FULL-BODY.)

CHARACTERES GENERIS.

Antennæ plerumque setaceæ, at in *Bombyciformibus* sæpissime pectinatæ.*Lingua* prælonga, spiralis, cornea, conspicua.*Palpi* compressi, pilosi, apice cylindrici, nudi. *Fab.**Corpus* sæpissime porcrassum, alis plerumque bi vel tristigmatiferis, volatu nocturno, vel partim sectione primo, celerrimè diurno.*Larva* grossa 14-16-poda sæpius nuda; in tristigmatiferis subterranea radicivora.*Pupa* subterranea postice attenuata, acutissima, lævis.

CHARACTERES SECTIONUM.

1. SEMILUTEAE. Thorace lævi, alis posticis plus minus luteis, fimbria nigra, volatu partim nocturno, partimque diurno celerrime; Larvis subterraneis radicivoribus.
2. LUCIDÆ. Thorace lævi, alis lucidis, et quasi oleosis; posticis sæpe tincturâ cupri.
3. LANCEOLATÆ. Thorace cuculato, alis anticis lanceolatis, lineolis nigris longitudinalibus.
4. LIGNICOLORES. Thorace cristato, alis anticis sæpe angustis et varie lignicoloribus.
5. VENOSÆ. Thorace lævi, alis anticis sæpius ex rufo pallescentibus plerumque absque stigmatibus, venis nudatis conspicuis.
6. CINERÆ. Alis plus minus cinereis rarius viridi irroratis.
 - † Larvis sæpius valde hirsutis, et inde Bombyciformibus.
 - †† Larvis sæpius nudis.
7. DENTISTRIGATÆ. Alis anticis striga pallida apicem versus, altè bidentata, literam W simulante.

14.
Handwritten notes:
 1. 10. Noctua
 2. Handwritten notes

8. CLATHRATÆ. Alis anticis venosis albo plus minus reticulatis; antennis rarius pectinatis.
9. FISSONOTATÆ. Alis anticis notâ mediâ pallidâ parvâ fissâ.
10. VIRESCENTES. Alis plus minusve viridibus, vel viridiotatis.
11. RUSTICÆ. Alis plus minus fuscis, vel cinerascensibus, inornatis, stigmatibus ordinariis plerumque duobus, antennis subinde plus minus pectinatis.
12. MINORES. Staturâ minore quam in cæteris.
13. PSEUDO-BOMBICES. Antennis sæpissime plus minus, pectinatis, alis tristigmatiferis, stigmatate tertio teliformi.
 † alis punctis posticis sagittatis.
 †† alis absque punctis posticis sagittatis.
14. RURALES. Alis sæpius griseis, atro subtus costam plerumque signatis.
15. CASTANÆ. Alis plus minus castaneis, vel ferrugineis.
 † Abdomine supra convexo.
 †† Abdomine dorso valde depresso.
16. AUREOLÆ. Alis plus minus aureis vel ferrugineis strigis fasciisve saturatoribus. Antennis ferrugineis.
17. SIMPLICES. Antennis masculinis plus minus pectinatis, alis inornatis, sæpe fere concoloribus, strigis duabus obscuris.
18. ORNATÆ. Alis sæpe angulatis, rubro luteo purpureove perpulchre notatis.
19. ARCUATO-STRIGATÆ. Alis strigis sæpe valde arcuatis.
20. RECTOSTRIGATÆ. Alis fere concoloribus, strigis rectiusculis, sæpe absque stigmatibus.
21. RETUSÆ. Corpore gracili. Alis anticis retusis, stigmatibus tribus, strigisque etiam subtribus pallidis.
22. PSEUDOGEOMETRÆ. Staturâ gracili in hoc genere, et subinde fere Geometrarum, Antennis luteis brevibus dio parum crassioribus.

Larva subtenax a madidiora

CHARACTERES SPECIERUM.

1. SEMILUTEÆ. Alis posticis plus minus luteis, fimbria nigra, volatu partim nocturno, partimque diurno celerime; Larvis subterraneis radicivoribus.

N. (The large Yellow-underwing) alis varie griseis fuscisve, posticis luteis, fimbriâ angustâ nigrâ submarginali.
Noctua pronuba. *Fab. Ent. Syst.* 3. 56. 155. *Hüb. Schmet. Noct.* 22. 103.

Phalæna Noctua pronuba. *Lin. Faun. Succ.* 1167—*Lin. Syst. Nat.* 2. 842. 121.

HABITAT, Imago ripis, Hortisque, Jun. Jul.

EXPANSIO alarum 2 unc.—2 unc. 3. lin.

DESCRIPTIO. Larva virescens: lineis dorsalibus duabus nigris interruptis. *Fab.*

Puppa nuda rubra. *Fab.*

Imago valde variat.

α. (The mixed.) Alis anticis fusco pallido griseoque variegatis, thorace antice pallido, postice fusco. Sequentibus varietatibus forte distincta.

β. (The pale.) Thorace alisque anticis plus minus hepaticis, et plerumque unicoloribus, stigmatе postico fusco, maculaque parva costali juxta apicem nigra.

γ. (The dark.) Alis anticis thoraceque plus minus fuscis, et plerumque, unicoloribus, stigmatibus albido annulatis, macula costali præcedentis.

Obs. The present section is composed of a beautiful family of Moths, well known to collectors by the appropriate name of Yellow-underwings. The Larvæ feed under ground upon roots of various kinds, in gardens, and other places; often committing great damage to plants in pots, especially those of the genus *Primula*. In such cases, the only remedy I am acquainted with is to shake the plants out and transplant them into fresh earth. The Moths have all a short, rapid, nearly straight flight, in the day time; and most if not all of them likewise fly in the evening after the manner of other *Noctuæ*.

prospicua.

2

†

N. (The brown-bordered Yellow-underwing,) alis subcinereis, obsolete strigatis, posticis luteis fimbria angusta fusca submarginali.

Noctua Prospicua. *Hüb. Schmet. Noct.* 23. 108.

HABITAT apud nos rarissime, Imago i. Aug.

EXPANSIO alarum 1. unc. 9. lin.

Obs. I have seen this alive, but possess no specimen.

Larva. 16 ped.
 Very horizontal applied to
 each other to the extent of 1/2
 lat.
 Larva alliterata W.

pronuba.

1.

♀ of *Cythera*
 seen of too.

N. (The Broad border) alis varie griseis vel hepaticis posticis perluteis, fimbriâ latissimâ nigrâ.

fimbria.
3.

Noctua fimbria. *Fab. Ent. Syst.* 3. 59. 165.—*Hüb. Schmet. Noct.* 22. 102.

Phalæna Noctua fimbria. *Lin. Syst.* 2. 842. 123.

HABITAT. Imago i. Jun. m. Aug. volatu pomeridiano circa. Quercûs ramos et forte iterum vespere. Apud nos valde infrequens.

EXPANSIO alarum 2 unc. 1. lin.

DESCRIPTIO. Formosa species. Alæ posticæ saturatè luteæ, fimbriâ latissimâ nigrâ, cillis perluteis. Alarum anticarum color valde variat, at strigæ posticæ pallidiores undatæ, cum stigmatibus duobus subreniformibus semper adsunt. Maris colores saturatiores quam in feminâ.

Larva obesa, ochraceo-grisea: linea dorsali pallida stemmatibus atris: pupilla alba. *Fab.*

N. (The lesser Yellow-underwing) alis hepaticis punctato-strigatis, posticis perluteis, lunulâ centrali, fimbriâque submarginali nigris.

orbona.
4.

Noctua orbona. *Fab. Ent. Syst.* 3. 57. 158?

HABITAT in Hortis. Imago, i. Aug. volatu diurno recto, quasi casuali, et velocissimo.

EXPANSIO alarum 1. unc. 7. lin.—1. unc. 8. lin.

DESCRIPTIO. Alæ anticæ hepaticæ, strigis duabus anticis obsoletissimis. Stigmata ordinaria in medio fuscescentia, albo marginata; pone hæc striga geminata punctorum minorum extus arcuata, strigæque altera punctorum validiorum ad marginem ciliarem. Strigæ omnes subinde pene obliterate sunt.

♂. alis saturatioribus vel subfuscis.

Noctua conseqva. *Hüb. Schmet. Noct.* 23. 105?

N. (The lunar Yellow-underwing) alis hepatico-fuscis punctato-strigatis; posticis perluteis, lunulâ centrali fasciâque posticâ nigris.

subsequa
5.

Noctua Subsequa. *Hüb. Schmet. Noct.* 23. 106.

HABITAT cum præcedente.

EXPANSIO alarum 8. lin.

DESCRIPTIO. Præcedenti forte varietas, differt vix, nisi in fasciâ posticarum alarum nigrâ parum angustiore, et minus terminali quam in illâ.

N. (The straw Underwing) alis griseo-variis, posticis stramineis, fimbriâ fuscâ.

cytherea.
6.

Noctua cytherea. *Fab. Ent. Syst.* 3. 57. 157.

Y

Noctua

93

Noctua Conexa. Hüb. Schmet. Noct. 23. 109.

HABITAT. Imago Peridumetis. Mai. et Aug. at apud nos valde infrequens.

EXPANSIO alarum. 1. unc. 7. lin.

DESCRIPTIO. Alæ anticæ sæpe cinerascens, strigâ ante, alterâque albidâ undulatâ pone stigmata ordinaria; strigâque tertiâ obsoletâ etiam undulatâ juxta marginem ciliarem.

OBS. To the account of *Noctua prospicua*, (now printed off) imperfectly given from having casually seen it alive, may now be added, that I have seen it again; and finding it does not possess a dark lunar spot in the under-wing, suppose it will prove to be a large variety of the present article.

Janthina.

7.

N. (The lesser Broad-border) alis griseis, fusco varie fasciatis, posticis basi fimbriâque latâ nigris.

Noctua Janthina. Fab. Ent. Syst. 3. 59. 166.—Hüb. Schmet. Noct. 21. 100.

Phalena domiduca. Fuesl. ARCH. 3. t. 16.

HABITAT. Imago m. Aug. Sylvis, at infrequens.

EXPANSIO alarum 1. unc. 6. lin.

DESCRIPTIO. Larva albida, fusco undata posticeque punctis nigris Fab.

Puppa folliculata brunnea. Fab.

In medio alarum anticarum, lunulâ albæ pro stigmatibus ordinariis: et puncta tria albida postica costalia, interdum fere obliterated.

interjecta.

8.

N. (The Least Broad-border) alis sordide ferrugineis, punctato-strigatis, posticis luteis, nigro circumcinctis.

Noctua Interjecta. Hüb. Schmet. Noct. 23. 107.

HABITAT. Imago Jun. Sylvaticis. Apud nos valde infrequens.

EXPANSIO alarum. 1. unc. 4. lin.

DESCRIPTIO. Alæ subferrugineæ strigis variis obsoletis, alterâque posticâ geminatâ punctorum minorum obsoletissimâ. Posticæ subtus costam fuscâ, lunulâ obsoletissimâ fuscâ, ut in *N. orbonâ*.

Myrtilli.

9.

N. (The beautiful Yellow-underwing) alis rufo-ferrugineis, albo strigatis, posticis luteis fimbriâ latissimâ nigrâ.

Noctua Myrtilli. Fab. Ent. Syst. 3. 126. 379.—Hüb. Schmet. Noct. 21. 98.

Phalena Noctua Myrtilli. Lin. Faun. Suec. 1168.—Lin. Syst. Nat. 2. 853. 167.

HABITAT. Imago m. Jun. f. Jul. Ericetis, rarius.

EXPANSIO

EXPANSIO alarum 11 lin.

DESCRIPTIO. Larva nuda, viridis dorso quinque tuberculato, capite cæruleo. Fab.

Puppa brunnea, stigmatibus albis. Fab.

Imago. Alæ anticæ rufo-ferrugineæ, maculâ sesquialterâ mediâ strigisque variis undatis albis, præterea aliis fuscescentibus. Margo ciliaris fusco punctatus est. Alæ posticæ luteæ, margine omni late fusco vel nigro; ciliis luteis.

Obs. When the sun shines strong, about noon, this species takes to wing, and then performs short and jerking, but most rapid flights. It is not common, and very difficult to take.

N. (The small Yellow-underwing) alis anticis fuscis, macula strigaeque albis.

albirena.
10.
*

Noctua Albirena. Hüb. *Schmet. Noct.* 21. 99.

Habitat in Norfolciæ Ericetis, at rarissime. Exemplarium unicum tantum vidi. Communicavit ejus Captor amicus Rev. J. Burrell, F. L. S. et F. E. S. Norfolciæ Insectorum Scrutator indefessus.

EXPANSIO alarum 10. lin.

DESCRIPTIO. Alæ anticæ fuscae, maculâ parvâ pyriformi in loco stigmatis antici, strigaeque undatâ posticâ albis. Margo ciliaris fusco punctatus. Posticæ alæ pene ut in præcedente, at fimbria nigra paulo angustior est.

2. LUCIDÆ. Alis lucidis, et quasi oleosis; posticis sæpe tincturâ cupri.

N. (The copper Underwing) alis fusco griseoque variis, posticis cupreis, costâ latissime fuscâ.

pyramidea.
11.

Noctua pyramidea. Fab. *Ent. Syst.* 3. 98. 290.—Hüb. *Schmet. Noct.* 8. 36.

Phalena Noctua pyramidea. Lin. *Syst. Nat.* 856. 181.

HABITAT. Larva in Quercu. Imago i. Aug. Quercetis.

EXPANSIO alarum 1. unc. 11. lin.

DESCRIPTIO. Larva nuda, viridis; linea dorsali lateribusque albis, postice conico gibba. Fab.

linea undulata

Puppa brunnea. Fab.

Imago. Alæ anticæ griseo fuscoque variæ, strigis undulatis albidis itidem variis, extimis ad marginem ciliarem, ex punctis distinctis vel confluentibus. In medio alæ, stigma anticum fuscum albo annulatum.

N. (The

tetra.
12.

N. (The Mahogany) alis perfuscis, medio punctis tribus obsoletis nigris quatuorque costalibus albis.

Noctua tetra. *Fab. Ent. Syst.* 3. 21. 41.—*Hüb. Schmet. Noct.* 8. 39.

HABITAT in Hortis, atque Apiariis, sed vix frequens.

EXPANSIO alarum 1. unc. 5. lin.

DESCRIPTION. Caput, thorax et alæ perfusca, fere nigra, atque quasi oleosa. In medio alarum puncta tria contigua obsoletissima nigra, triangulatim posita. Costa fere ad apicem punctis quatuor albis etiam obsoletissimis. Alæ posticæ livido-fuscescentes fimbriâ fuscâ.

Tragopoginis
13.

N. (The Mouse) alis anticis murinis, punctis tribus medio fuscis.

Noctua Tragopoginis? *Fab. Ent. Syst.* 3. 112. 336.—*Hüb. Schmet. Noct.* 8. 40.

Phalena Noctua Tragopoginis? *Linn. Faun. Succ.* 1189.—*Lin. Syst. Nat.* 2. 855. 177.

HABITAT prope Londinum, at rarissime. Exemplarium unicum tantum vidi.

EXPANSIO alarum 1 unc. 3 lin.

DESCRIPTION. Murina tota. Alæ anticæ punctis tribus fuscis contiguis ut in præcedente, primo in loco stigmatis antici, duobus aliis transversis loco stigmatis postici. Alæ posticæ at in priore at multo pallidiores.

3. LANCEOLATÆ. Thorace cuculato, alis anticis lanceolatis, lineolis nigris longitudinalibus. *N. l. Ba* xtt.
Larva horticola

Obs. No tribe of Insects can be more difficult to understand in the winged state, than the six first species of the present Section. Four of them I have taken, and have had the other two; one of which is figured by Donovan; but his figures, in such approximating species, it is quite impossible to ascertain: those of the accurate Hübner alone, have been able to guide us through the dark. Wherefore, in the present intricacy of these Moths, all possible caution is used to avoid falling into error; and their descriptions are extracted from the pages of Linnæus and Fabricius.

umbatica.
14.

N. (The large pale Shark,) cristata, alis deflexis striatis canis; macula centrali ferruginea: punctis duobus nigris.

Noctua

Noctua umbratica. *Fab. Ent. Syst.* 3. 112. 368.—*Hüb. Schmet. Noct.* 54. 263.

Phalæna Noctua umbratica. *Lin. Faun. Succ.* 1184.—*Lin. Syst. Nat.* 849. 150.

HABITAT. Larva in Soncho oleraceo. Imago, m. Jul. Septis.

EXPANSIO alarum 2. unc.

DESCRIPTIO. Larva nuda, nigricans, trifarie rubro punctata, cauda acuminata. *Fab. l. c.* Imago. Alæ superiores fere lanceolatæ et quasi ex striis compositæ. Thoracis valvulæ vel connivent supra thoracem, vel reflexæ supra oculos, tamquam duæ lunulæ antrosum hirtæ. *Lin. l. c.*

N. (The Chamomile Shark,) cristata, alis deflexis striatis canis: punctis duobus centralibus minutissimis nigris, subtus immaculatis. *Chamomillæ.* 15.

Noctua Chamomillæ. *Fab. Ent. Syst.* 3. 121. 365.—*Hüb. Schmet. Noct.* 54. 264.

HABITAT in Chamomilla, flores excedens, Dom. Schieffermyller. Imago Jul. Septis.

EXPANSIO alarum 1. unc. 10. lin.

DESCRIPTIO. Larva nuda cinerea utrinque lineolis duabus incurvis ferrugineis in singulo segmento. Junior flavo albaque maculata. *Fab. l. c.*

Imago. Nimis affinis N. umbraticæ vix distinguenda at larva diversissima, Caput fuscum strigis cinereis. Thorax hirtus, cinereus striga antica, marginali, nigra. Abdomen griseum basi fasciulis aliquot dorsalibus. Alæ anticæ supra striatæ, canæ in medio punctis duobus hirsutissimis costaque punctis tribus cinereis. Subtus cinereæ punctis tribus costalibus, albis. Posticæ striatæ, cinereæ ciliis albis, subtus immaculatæ lunula parva, centrali, fusca. *Fab. l. c.*

N. (The Tansy Shark,) cristata alis deflexis striatis canis: lineis duabus atris, posticis albis subtus immaculatis. *Tanacetæ.* 16.

Noctua Tanacetæ. *Fab. Ent. Syst.* 3. 121. 366.—*Hüb. Schmet. Noct.* 54. 265.

HABITAT in Tanacetæ vulgaris floribus, Dom. Schieffermyller. Imago Jul. Septis.

EXPANSIO alarum. 1. unc. 11. lin.

DESCRIPTIO. Larva nuda, cinerascens, nigro punctata flavoque lineata similis larvæ N. Verbasci. *Fab. l. c.* Imago. Affinis N. Chamomillæ. Antennæ ferrugineæ basi albidæ. Caput cinereum. Thorax cinereus striga antica fusca. Abdomen basi albidum. Alæ anticæ striatæ, canæ lineola a basi fere ad medium ductâ, et alia in medio breviorè, apice parum flexa. Puncta tria costalia, Subtus obscuræ nitidæ. Posticæ

Posticæ albæ supra margine nigricante, subtus immaculatæ. Fab. l. c.

Lactucæ. N. The Lettuce Shark,) cristata alis deflexis striatis canis
17. fusco obsolete undatis, subtus fuscis: posticis disco albo.
Noctua Lactucæ Fab. Ent. Syst. 3. 122. 367.—Hüb. Schmet. Noct. 54. 264.

HABITAT in Lactuca sativa. Dom. Schieffermyller. Imago Jul. Sepimentis.

EXPANSIO alarum 2. unc. 2. lin.

DESCRIPTIO. Larva atra annulis lateralibus albis lineaque dorsali, maculari, fulva, capite atro: linea antica bifida, alba. Fab. l. c.

Imago. Summa affinitas N. umbraticæ. Striga antica thoracis interrupta. Alæ striatæ undis aliquot fuscis at absque punctis centralibus costalibusque, subtus fuscae basi margineque pallidæ punctis tribus costalibus, albidioribus. Posticæ fuscae disco albicante. Fab. l. c.

lucifuga. N. (The large dark Shark) cristata, alis deflexis striatis, fusco
18. canescentibus, posticis fuscis, fimbriâ saturatiore.
Noctua lucifuga. Wien. Verz. 312. 11.—Hüb. Schmet. Noct. 54. 262.

HABITAT. Imago Jul. Septis,

EXPANSIO alarum. 2 unc.

fissina. N. (The twin-tailed Shark) cristata, alis deflexis striatis, fusco
19. nubilosus, posticis fuscis, caudæ barbâ bifidâ.

Noctua fissina. Prod. Lep. Brit. 12. 23.

HABITAT. Imago Septis, m. Ap. at valde infrequens.

EXPANSIO alarum 1. unc. 6. lin.—1. unc. 7. lin.

OBS. This species when named in the Prodomus was unique, there being but the specimen of it which I took at Brompton, known. Since that time however, I have seen three more, all taken in the month of April, yet not in the same year. But for its cloven tail, which seems a peculiar characteristic, this insect might be thought the same as N. lucifuga, although it is of smaller size: and indeed, Mr. Donovan, author of "The Natural History of British Insects," even thinks it is not distinct from N. umbratica! Nevertheless, there is no doubt of its being far more so than N. chamomillæ, N. Tanacetii, or N. Lactucæ, are from that species.

OBS. 2. The above six moths appear to differ infinitely more in the Larva, than they do in the Imago state. The last species

species excepted, they are not considered as rare: yet cannot be deemed common.

N. (The Mullein) *alis denticulatis, fusco-nigris, plagâ latissimâ albidâ.*

Verbasci.
20.

Noctua Verbasci. Fab. Ent. Syst. 3. 120. 363.—Hüb. Schmet. Noct. 55. 266.

Phalæna Noctua Verbasci Lin. Faun. Succ. 1186.—Lin. Syst. Nat. 2. 850. 153.

HABITAT. Larva in *Verbasci* Jul. Pupa sub terra, in folliculo terreno. Imago m. Mai. Hortis.

EXPANSIO alarum 1. unc. 10 lin.

DESCRIPtio. In medio marginis tenuioris alarum anticarum litura alba fig. 3. vel epsilon græcorum simulans. Alæ posticæ albæ, fimbriâ latissimâ nigrâ; at in fœminâ omnino nigræ.

Obs. Although the Mullein Moth is very common in my garden, and elsewhere, in the larva state; I never yet saw, or even heard of any specimen of it which was taken on the wing. So that it probably does not fly until it is too dark for us to perceive it.

N. (The Water Betony) *alis denticulatis ochraceis margine crassiori tenuiorique brunneo-fuscis.*

Schrophulariæ.
21.

Noctua Schrophulariæ. Hüb. Schmet. Noct. 55. 267.

HABITAT in *Schrophularia Aquatica*, et subinde etiam in *Verbascis*, Larva Jun.—Imago i. Ap. Hortis.

EXPANSIO alarum 1. unc. 11 lin.

DESCRIPtio. Precedenti nimis affinis et forte eadem, at paulo major, magisque lutescens; marginibus anticarum fuscis tincturâ flavedinis, nec fere nigris. Posticæ alæ maris, albæ nec albæ, fimbriâ fuscâ nec nigrâ; Fœminæ fuscæ, basi, et abdomen versus, latissime albidæ, tincturâ flavedinis. Abdominis latera in utroque, certo situ auro nitentia.

Obs. As the great Lepidopterist Hübner, gives the Water Betony Moth as a distinct species from that of the Mullein, and figures both as above cited; it is here also enumerated, as I possess English specimens of each, and have seen others. But unless they differ more in the larva state, than they do in the winged, which is almost a constant characteristic in this Section, I must still conceive they are not distinct, but very slight variations only. The chief difference is the paler colour of *Schrophulariæ*, whose upper wings, especially in the broad plaga, are of an ochraceous colour, as figured by Hübner, while those of *Verbasci* are nearly white in the same part.

N. (The

Asteris.
22.

N. (The Starwort) alis anticis integerrimis, brunneo-fuscis, plagâ latissimâ albidâ.

Noctua Asteris. *Fab. Ent. Syst.* 3. 121. 364.—*Hüb. Schmet. Noct.* 53. 260.

HABITAT in Hortis, at valde infrequens.

EXPANSIO alarum 1. unc. 11. lin.

DESCRIPTIO. Præcedentibus duabus, simillima, atalia. Sed vix differt nisi in margine integerrimo omnium alarum, qui, in præcedentibus semper denticulatus est. Alæ posticæ, magis saturiores sunt in feminâ, quam in mare.

Primo communicavit Rev. J. Burrell.

Absinthii.
23.

N. (The Wormwood) cristata alis deflexis canis; fasciis punctisque in tetragonum positis nigris.

Noctua Absinthii. *Fab. Ent. Syst.* 3. 88. 261.—*Hüb. Schmet. Noct.* 53. 253.

Phalena Noctua Absinthii. *Lin. Faun. Suec.* 1182.—*Lin. Syst. Nat.* 2. 845. 133.

HABITAT. Larva in Absinthii. Imago Absintheis, i. Jul.

EXPANSIO alarum 1. unc. 7. lin.

DESCRIPTIO. Larva viridis: maculis flavis rufisque lineata.

Fab. l. c. *Puppa* folliculata, brunnea, antice viridis. Fab. l. c. Imago. Alæ posticæ albicantes, fimbriâ fuscâ. Superiorum alarum pene in margine postico ordo punctorum nigrorum.

OBS. Except a few specimens taken by my friend Dr. Skrimshire, it does not appear that this Moth has been found in England for the last thirty years! And it is further remarkable, that the Aurelians about thirty years since, not only found the Wormwood Moth in plenty near London, but also various other species in equal quantities, hardly one of any of which have since occurred!

This can only be accounted for, by the extreme locality of such species, and by supposing that the only habitats we yet know for them, may have been altered, or destroyed, by our progressive improvements and extension of agriculture and gardening.

4. LIGNICOLORES. Alis anticis sæpe angustis, et varie lignicoloribus.

exoleta.
24.

N. (The large Sword-Grass) thorace cristato-quadrato, alis angustis convolutis, fusco, griseo, cinereoque nebulosis.

Noctua

Noctua exoleta. *Fab. Ent. Syst.* 3. 119. 361.—*Hüb. Schmet. Noct.* 50. 244.

Phalena Noctua exoleta. *Lin. Faun. Succ.* 1185.—*Lin. Syst. Nat.* 2. 849. 151.

HABITAT. Imago Mai.—et m. Oct. Hortis, at infrequens.

EXPANSIO alarum 2. unc.—2. unc. 2. lin.

DESCRIPTIO. Thorax antice griseus, dorso fusco. Abdomen griseum dorso apicem versus etiam fusco. Alæ anticæ prælongæ, angustæ, striatæ, lignicoloratæ, margine postico fusco. Stigmata ordinaria magna, anticum singulariter ampullæforme, posticum rusticè auriforme, et fusco radiato externè adnatum. Posticæ alæ, fuscæ, ciliis pallidis.

N. (The light Arches) cristata, alis deflexis dentatis cinereis, fusco-maculatis; margine postico fusco. F.

lithoxylea.
25.

Noctua lithoxylea. *Fab. Ent. Syst.* 3. 123. 371.—*Hüb. Schmet. Noct.* 49. 240, at magis ferruginea.

HABITAT. Imago i. Jul. Septis, vix frequens.

EXPANSIO alarum. 1. unc. 11. lin.

DESCRIPTIO. Corpus longum atque crassum ani maris barbâ magnâ. Antennæ ferruginæ. Alæ pallidæ nebulis aliquot fusciscentibus et quasi exustæ, costâ punctis albidis fuscisque. Margo posticus etiam at irregulariter fusciscit. Ordo geminatus punctorum minutissimorum fuscorum in medio, externè arcuatus. Alæ posticæ pallidæ, lunulâ mediâ fimbriâque fuliginosis, venis et punctis in ipso margine fuscis, ciliis pallidis.

N. (The clouded-bordered Brindle) spirilinguis cristata, alis glaucescentibus: fasciâ ferruginèâ abbreviatâ terminalique plicatâ. Lin.

hepatica.
26.

Noctua hepatica. *Fab. Ent. Syst.* 3. 112. 337.—*Prod. Lep. Brit.* 18. 153.

Noctua epomis Marsh. M.S. *N. putris* *Hüb. Schmet.* 50. 241.

Noctua epomina *Prod. Lep. Brit.* 18. 156.

Phalena Noctua hepatica. *Lin. Faun. Succ.* 1209.—*Lin. Syst. Nat.* 2. 853. 169.

HABITAT. Imago m. Jul. Peridumetis infrequens.

EXPANSIO alarum 1. unc. 7. lin.—1. unc. 8. lin.

DESCRIPTIO. Thorax pene ut in præcedente. Abdomen dorso fusco cristato. Alæ anticæ subintegre, glaucæ, sive pallidè hepaticæ, atomis nebulisque variis; basi lineola fusca spinæformis, vel cuneata, versus marginem interiorum, extrorsum atque deorsum spectans. Stigmata ordinaria in medio; pone hæc, striga geminata obsoleta punctorum minutissimorum, et fascia irregularis interrupta in

margine postico, quæ maculas cuneiformes exserit. Margo ipse posticus fusco punctatus. Alæ posticæ ut in præcedente.

Obs. When Prod. Lep. Brit. was printing, the best Lepidopterists in England supposed this species was distinct from *N. hepatica*, Lin. but I have now reason to believe they are the same.

epomidion.
27.

N. (The clouded Brindle) alis griseo fuscoque variis strigibus pallidioribus obsoletis dentatis.

Noctua epomidion. Marsh. M. S.

Noctua epomidina. Prod. Lep. Brit. 18. 157.

HABITAT. Imago i. Jun. Peridumetis, at infrequens.

EXPANSIO alarum 1. unc. 4. lin.

DESCRIPTIO. Præcedenti simillima, at distincta; lineola basi anticarum alarum sæpe geminata; striga antica undulata, (subinde omnino oblitterata) altera pone medium denticulata extus arcuata, et subinde quasi geminata; tertiaque juxta marginem posticum altè at irregulariter dentata, et nebulis fuscis adnata. Margo ipse posticus fusco punctatus. Alæ posticæ ut in præcedentibus.

abbreviata.
28.

N. (The slender clouded Brindle) alis griseo fuscoque variis, fasciâ abbreviatâ, strigâque nigrâ concinnè dentatâ: corpore subgracili. *N. scobothracina* Hüb. Noct. 98. 660

Noctua abbreviata. Prod. Lep. Brit. 18. 158.

HABITAT. Imago Jul. peridumetis, at rarissime.

EXPANSIO alarum 1. unc. 3. lin.

DESCRIPTIO. Præcedentibus duabus, sed precipue ultimæ valde affinis, at minor longe gracilior et rarior: nempe exemplarium unicum tantum vidi: ex Com. Ebor. Alæ ex hepaticolutescentes, vel subinde saturatiore varie nebulosæ; basi ad latus interius lineola nigra, fascia subfusca in medio costæ valde abbreviata: pone stigmata ordinaria obsoleta, striga tenuis nigra, regulariter et concinnè dentata: tunc striga altera crassior fusco-brunnea juxta marginem posticum, parum undulata; margine ipso ustulato, punctis circiter quinque pallidis; ciliis itidem ustulatis. Posticæ alæ præcedentium. Communicavit ejus captor amicus J. Rippon, Insectorum Eboracensium Collector.

combusta.
29.

N. (The dark Tawney) alis fusco-brunneis obsolete nebulosis, figura 3 vel 5 medio notatis.

Noctua Combusta. Hüb. Schmet. Noct. 79. 366.

HABITAT apud nos rarissime, tempore oblito. Exemplaria pauca tantum vidi.

EXPANSIO

EXPANSIO alarum 1. unc. 9. lin.

DESCRIPTIO. In medio anticarum alarum stigmata ordinaria obsoleta, albido marginata, anticum ovale antrorsum valde inclinante; exterius auriforme margine albo interrupto et inde representat figuram 3 vel 5. Posticæ alæ fuscæ ciliis sub-flavicantibus.

Primo communicavit ejus captor amicus Gul. Skrimshire. F. E. S. Entomologus acutus.

N. (The tawny Pinion) alis anticis subnebulosis, extus *semi-brunnea*. cinereo-brunneis, intus brunneo-fuscis. 30.

Noctua brunnina. Prod. Lep. Brit. 12. 24.

HABITAT. Imago Septis at infrequens tempore oblito.

EXPANSIO alarum 1 unc. 7 lin.

DESCRIPTIO. Prædenti valde affinis. Alæ anticæ costam versus dimidiatim cinereo-brunneæ, vel rufo-cinereæ, sed latus interius versus omnino brunneo-fuscæ, sive pene ustulatae. Undique at supra obsolete striatæ, atque paululum nebulosæ. Posticæ alæ prædientium.

Obs. Having lately received one of Hübner's figures, called *Noctua brunnea*, I have altered this to *semibrunnea*.

N. (The tawny Shoulder) alis fuscis, posticæ, costæ basi, stigmatibusque rufo-cinereis. *subterranea*. 31.

Noctua subterranea Fab. Ent. Syst. 3. 70. 200.

HABITAT frequens in America, Georgia, et nunc etiam in Anglia, amico J. Hatchett semel et nuperrime capta.

EXPANSIO alarum.

DESCRIPTIO. Statura prædientis at paulo major. Costa late cinereo-grisea, maculâ magnâ fuscâ juxta apicem. Stigmata ordinaria exigua grisea, (exterius subulatum) per lineolas duas subconfluentes nigras juncta. Alæ posticæ albæ certo situ lætissime sub-purpurascetes, venis marginibusque plus minus fuscescentibus.

N. (The silver Cloud) alis striatis, fusco cinereoque variis, *conspicillaris*. marginem tenuiorem versus albicantibus. 32.

Noctua Conspicillaris. Hüb. Schmet. Noct. 49236. 237

Phalena conspicillaris. Linn. Faun. Suec. 1183 ?

Phalena Leuconata. Donovan. Brit. Ins. vol. 13. 453. f. 3.

HABITAT apud nos valde infrequens, Imago m. Mai. Septis. Exemplaria perpauca tantum vidi.

EXPANSIO alarum 1. unc. 6. lin.

DESCRIPTIO. Corpus pergrossum. Thorax canus, sive albidus, cinereo subfasciatus. Alæ anticæ obsolete striatæ, saturate

rate cinereæ. Stigmata tria ordinaria: anticum annuliforme nigrum pupillo atro: posticum reniforme, sed imperfectum: tertium claviforme: omnia margine solum conspicua. Versus latus interius alæ plerumque albescunt. Posticæ alæ niveæ, venis margineque postico tenue nigris, ciliis albis. Alter sexus saturator.

Pinastri.
33.

N. (The Bird's-wing) alis nigris, maculâ striatâ cinereâ aquillæ alam simulante ad angulum ani.

Noctua Pinastri. Fab. Ent. Syst. 3. 101. 302.—Hüb. Schmet 51. 246.

Phalæna Noctua Pinastri. Lin. Faun. Succ. 1188.—Lin. Syst. Nat. 2. 851. 160.

HABITAT. Imago m. Jun. Pinetis. Septis, at infrequens.

EXPANSIO alarum. 1. unc. 5. lin.

DESCRIPTIO. Cristata, niger, vel ater, antennis subferrugineis, thoracis dorso abdomineque cinereis. Alæ superiores posticè undulatim et striatim plus minus cinereæ. Margo tenuior etiam cinerascit. Posticæ alæ fuscæ, ciliis cinereis.

putris.
34.

N. (The Flame) cristata alis deflexis pallidis, costâ strigâque geminatâ punctorum fuscis.

Noctua putris. Fab. Ent. Syst. 3. 123. 370.

Noctua Lignosa. Hüb. Schmet. Noct. 50. 245.

Phalæna Noctua putris. Lin. Faun. Succ. 1187.—Lin. Syst. Nat. 2. 850. 152.

HABITAT. Imago, m. Jun. Ripis, Hortisque.

EXPANSIO alarum 1. unc. 5. lin.

DESCRIPTIO. Thorax antice flavicans dorso fusco. Abdomen etiam flavescit. Alæ pallidæ sive flavicantes, costâ late fuscâ. Stigmata ordinaria obsoletissima in medio; anticum fuscum orbiculare, sæpe pallido cinctum: posticum seu reniforme itidem fuscum subocellare pallido cinctum lineolâ plexâ albicante pro pupillâ. Pone hæc, linea crassa fusca subgeminata e stigmatate postico ad marginem posticum ducta; strigâque geminata obliqua et postica punctulorum nigrorum. Margo ipse posticus ciliaque etiam fusco punctata. Ad angulum ani macula fusca. Posticæ alæ e luteo pallide fuscescentes, margine postico fusco punctato. Cilia pallida vix maculata.

5. VENOSÆ. Thorace lævi, alis anticis sæpius ex rufo-pallescentibus plerumque absque stigmatibus, venis denudatis conspicuis.

N. (The Bullrush) alis pallidis nigro striatim punctatis, venis postice albis, abdomine prælongo.

Typhæ.
35.

Noctua Typhæ. Marsh. M.S.

Noctua Typhina. Prod. Lep. Brit. 12. 25.

Noctua Typhæ. Hüb. Schmet. Noct. 88. 415.

HABITAT. Larva et Pupa, inter Typhæ medullam: Imago m. Aug. Typhosis.

EXPANSIO alarum 1. unc. 10. lin.—2. unc.

DESCRIPTIO. Sordide subrufescens. Thorax lævis. Abdomen grande atque prælongum. Anticæ alæ venosæ, venis posticè albis, punctulis nigris obsolete in strigas dispositis, precipue marginem posticum versus. Alæ posticæ pallidiores, sive albidæ, fimbriâ fusciscente, in medio punctum itidem subfuscum, et in margine ipso postico striga ex lunulis fusciscentibus.

Obs. The Bullrush Moth was known in England by the specific name of Typhæ, long before the above cited figure of Hübner arrived here. His letter-press concerning it, or any of the other Moths of his Schmet, we have not seen, except for some of the Tineæ and Pyralides.

N. (The large Wainscot) alis cinereo-rufescentibus, strigâ obsoleteâ punctorum fuscorum; posticis fuscis.

crassicornis,
36.
*

EXPANSIO alarum 1. unc. 11. lin.

HABITAT in Com. Norf. Communicavit ejus captor amicus J. Hooker. F. E. S.—Entomologus assiduus atque acutus.

DESCRIPTIO. Exemplaria duo tantum vidi. Sordide cinereo-subrufescens. Antennæ prægrandes, crassæ, hirtopectinatae. Abdomen pergrossum, ani barbâ magnâ lutescente. Alæ anticæ subfulvo alboque venosæ, atque cinerascens ex punctulis minutissimis numerosissimis fuscis, absque lente vix conspicuis: punctisque aliis circiter sex majoribus posticis, in strigam arcuatam dispositis. Alæ posticæ fuscae, ciliis lutescentibus.

Obs. This large species very much resembles fig. 396, on tab. 85 of Hübner's Noctuæ, in his Schmet, yet that figure, has slender setaceous antennæ, and is only the size of *N. pallens*, and has white fringes to the underwings. It must consequently be a different species.

N. (The

- unipuncta*. N. (The White-speck) alis rufescentibus seu griseo-atomosis,
37. lineola obliqua fusca apicis, punctoque minutissimo albo
* basi stigmatis postici.
HABITAT in Anglia D. Francillon.
OBS. Præcedenti paulo minor. Stigmata ordinaria fere omnino
obliterata. Exemplarium peregrinum solum possideo. Forte
aliæ sectionis, nempe non venosa.
- comma*. N. (The Shoulder-stripe Wainscot) alis cinereis lineolis nigris,
38. venis medio posticeque albis.
Noctua comma. Fab. Ent. Syst. 3. 106. 318.
Noctua Furbida. Hüb. Schmet. Noct. 47. 328. 226
Phalena Noctua comma. Lin. Faun. Succ. 1191.—Lin. Syst.
Nat. 2. 850. 156.
HABITAT in Anglia valde infrequens. Communicavit Gul.
Skrimshire.
EXPANSIO alarum 1. unc. 5. lin.—1. unc. 6. lin.
DESCRIPITIO. Subinerea. Alæ anticæ lineâ longâ fere costali;
lineolâque acutâ nigrâ, a basi ad medium ductâ, adjacente
longiori graciliorique albâ, quæ ultima lineola terminat in
punctum album nigro adnatum, et trifurcationem nervæ
principis, in loco stigmatis postici. Nervæ omnes posticæ albæ
sunt, lineolis nigris fuscisque interjectis. Posticæ alæ fuscæ
basin versus albicantes.
OBS. *Noctua* L. Album. Fab. et Hüb. vix. differt.
- fuliginosa*. N. (The smokey Wainscot) alis anticis pallidis, venis postice
39. albis: posticis fuliginosis.
Noctua fuliginosa. Prod. Lep. Brit. 12. 28.
Noctua Obsoleta Hüb. Schmet. 48. 233.
HABITAT Imago f. Jul. Sepibus, frequens.
EXPANSIO alarum 1. unc. 5. lin.
DESCRIPITIO. Alæ anticæ pallidæ sive subrufescentes punc-
tis tribus minutis, et fere obliteratis nigris, triangulatim
positis. Margo ipse posticus etiam punctis nigris minutis
notatus. Posticæ alæ fuscescentes, sive fuliginosæ, lunulâ
mediâ obsoletâ saturatiore, ciliis pallidis.
OBS. Since this was named in the Prodrômus, I have re-
ceived the above-cited figure of Hübner, along with those
referred to for the four following species.
- punctina*. N. (The dotted-bordered Wainscot) venosa, tota rufescens,
40. alis anticis ipso margine postico fusco-punctatis, posticis
* pallidis angulum ani versus latissime cinereis.
Noctua punctina. Prod. Lep. Brit. 13. 31.
Noctua Ectypa. Hüb. Schmet. Noct. 48. 231.
HABITAT,

HABITAT, in Anglia rarissime.

EXPANSIO alarum 1. unc. 5. lin.

Obs. Of this I have seen but two specimens, had it occurred as frequently as the last, I should have supposed its difference from that species merely a sexual one.

N. (The red Wainscot) rufescens, alis anticis venosis immaculatis, posticis (costâ exceptâ) certo situ pallide fuscescentibus. *alis cultis ~~maculis~~ nigra immaculatis*

rufescens.
41.

Noctua rufescensina. Prod. Lep. Brit. 13. 30.

Noctua lutosa. Hüb. Schmet. Noct. 48. 232?

HABITAT. Imago f. Jul. Sepibus, Hortisque.

EXPANSIO alarum 1. unc. 6. lin.

β. Alis certo situ lineolis 3-4 obsolete, fuscis, posticis fuliginosis venis fuscis.

N. (The common Wainscot) alis albo-rufescentibus punctis tribus nigris, posticis albidis. *alis cultis ~~maculis~~ nigri*

pallens.

Noctua pallens. Fab. Ent. Syst. 3. 22. 47.

Noctua pallens. Hüb. Schmet. Noct. 48. 234.

Phalæna Noctua pallens.—Linn. Syst. Nat. 2. 838. 107. Lin. Faun. Suec. 1175.

HABITAT. Imago, m. Jul. Sepibus, Hortisque.

EXPANSIO alarum 1. unc. 5. lin.

DESCRIPTIO. Præcedentis forte mas. Thorax alæque anticæ venosæ, pallidissime rufescentes, punctis tribus minutissimis nigris, vix posticis, triangulatim dispositis. Abdomen alæque posticæ albidæ, sive certo situ pallidissime fuscescentes.

N. (The powdered Wainscot) thorace, alisque anticis canis, abdomine alisque posticis albissimis.

atomina.
43.

Noctua atomina. Prod. Lep. Brit. 13. 32.

Noctua Degener. Hüb. Schmet. Noct. 81. 380.

HABITAT. Larva in Carice f. Jul. Imago m. Jun. paludibus, at rarissime. Primo communicavit. Gul. Skrimshire.

EXPANSIO alarum 1. unc. 6. lin.

DESCRIPTIO. Larva biuncialis crassa, fasciculis pilorum erectorum, supra flavescens maculis punctisque rufis, fuscis, nigrisque; lineâ laterali flavâ punctis brunneis interruptâ. Subtus rufescens, pedibus anticis, maculisque capitis flavo-nigris.

Imago. Alæ anticæ tectæ atomis minutissimis nigris, nudo oculo vix conspicuis; et certo situ lineis duabus tenuissimis longis fuscescentibus, una a basi ad medium, altera in medio.

N. (The

nervosa. N. (The tawney-veined Wainscot) alis sublanceolatis pallidis, certo situ venis fulvis, lineisque latis albidis; posticis cinereis venis fuscis.

44.
*

Noctua nervosa. *Fab. Ent. Syst.* 3. 23. 49.

Noctua nervosa. *Hüb. Schmet. Noct.* 47. 326.

HABITAT in Com. Norfol. rarissime. Exemplarium solitarium tantum vidi. Communicavit ejus captor, Rev. J. Burrell. Imago. f. Aug. Ripis.

geminipuncta. N. (The twin-spot Wainscot) alis rufo-fuscescentibus, vitta lata rufa marginis tenuioris, punctoque parvo geminato niveo loco stigmatis postici.

45.
*

†

HABITAT in Anglia rarissime. Imago, autumno Paludosis J. Hatchett.

DESCRIPTIO. Statura et magnitudo fere præcedentis. Antennæ rufæ. Abdomen longum ut in fere omnibus hujus sectionis. Posticæ alæ fuscæ.

EXPANSIO alarum.

pygmina. N. (The small Wainscot) thorace, alisque rufescentibus immaculatis, vix venosis, posticis fuscescentibus, abdomine albo.

46.

Noctua pygmina. *Prod. Lep. Brit.* 13. 34.

HABITAT. Imago in Peridumetis, tempore obliato.

EXPANSIO alarum 10. lin.

6. CINEREAÆ. Alis plus minus cinereis, rarius viridi irroratis.

† Larvis sæpius valde hirsutis, et inde Bombyciformibus.

N. l. a. B. a. x. t. 9. lat.

Aceris. N. (The Sycamore) abdomine alisque anticis cinereis, striga postica dentata alba.

47.

Noctua Aceris. *Fab. Ent. Syst.* 3. 107. 322.—*Hüb. Schmet. Noct.* 3. 13.

Phalæna Noctua Aceris *Lin. Syst. Nat.* 2. 846. 137.—*Lin. Faun. Suec.* 1179.

HABITAT. Larva in Acere Pseudo-platano, Imago f. Jun. Septis.

EXPANSIO alarum. 1. unc. 8. lin.

DESCRIPTIO. Corpus canum, atomis innumeris nigris, et inde cinereum. Alæ anticæ cano cinereæ, lineolâ basi, strigulisque

que obsoletis aliquot nigris. Stigma anticum annulare nigrum, posticum omnino oblitteratum. Striga postica externè arcuata multidentata alba, externè adnata fasciolæ fuscæ-centi. Margo posticus albidus, venis nigris interruptus; ciliis albissimis cinerascens ordine punctorum nigrorum notatis. Alæ inferiores albæ, vel subinde fimbriâ pallidissime cinerascens, venis semper postice nigris. Cilia ordine punctorum fuscorum.

“Larva hirsuta: fasciculis flavis rubrisque, dorso albo nigro maculato.”
Fab. l. c.

N. (The dark Sycamore) abdomine alisque anticis fuscis, striga postica dentata albicans. *infuscata.*

48.

Noctua Aceris. Hüb. *Schmet. Noct.* 3. 14.

HABITAT cum priore.

EXPANSIO alarum. 1. unc. 7 lin.

Varietas præcedentis

DESCRIPTIO. Præcedentis forte varietas, at constans: differt thorace uniformiter perfusco, nec pallide cinereo:—abdomine fusco, pube longâ albâ, nunquam pallidè cinereo. Alæ anticæ omnino fuscæ, strigis, lineolis, punctisque præcedentis: alæ posticæ ut in illâ.

♂. Alis longe saturatioribus striga postica cinerea vix dentata, sed quasi ex maculis conjunctis rhombis composita. Forte propria species.

Obs. This is well known to collectors of Lepidoptera, by the name of the dark Sycamore: and as I have seen no intermediate specimens between it and the last; it may be proper to keep them distinct, as I have no authority for considering them sexual differences: although perhaps Hübner may, as he has figured them both under the same name, but his letterpress I have not yet seen.

In difficult cases like the present, or, of great sexual disparities, it is a smaller error to make two species out of one, for they are the more easily understood; than to confound two distinct ones together which nature has not united.

N. (The Poplar Grey) alis cinereis, stigmate antico, macula- *megacephala.*
que magna postica albidis.

49.

Noctua megacephala. Fab. *Ent. Syst.* 3. 108. 325.—Hüb. *Schmet. Noct.* 2. 10. et 3. 11.

HABITAT. Larva in Populo. Imago f. Mai?—f. Sept? Populetis.

EXPANSIO alarum. 1. unc. 7.—1. unc. 8. lin.

DESCRIPTIO. Larva pilosa, fusca, ferrugineo maculata, capite

A a

pite corpore latiore segmentoque postico maculâ sulphurea. Fab. l. c. Imago. Thorax, alæque anticæ cineræ, strigis aliquot nigris albidisque fere oblitteratis. Stigma anticum cinereum annulo nigro, et in spatio cinereo positum. *Stigma posticum imperfectum, pone hoc macula magna subrotundata albida. Cætera ut in præcedente.

Rumicis.
50.

N. (The Knot-grass) alis anticis fusco cinereoque variis, striga dentata literaque marginis tenuioris albis; posticis fuscis. *Noctua Rumicis. Fab. Ent. Syst. 3. 118. 358*—*Hüb. Schmet. Noct. 2. 9.*
Phalæna Noctua Rumicis. Lin. Syst. Nat. 2. 852. 164.—*Lin. Faun. Suec. 1200.*

HABITAT. Imago i. Mai. Sepimentis.

EXPANSIO alarum. 1. unc. 5. lin. 1. unc. 6. lin.

DESCRIPTIO. Larva pilosa, albo rubroque punctata: linea laterali flava. Fab. l. c.

Puppa brunnea. Fab. l. c.

Imago, fere ut in præcedente, at minor, coloribus longe saturioribus, et maculâ albidâ posticâ alarum anticarum fere oblitteratâ. Alæ posticæ fuscæ.

Euphorbia.
51.

N. (The Spurge) alis cinereo-fuscis maculis ordinariis in areâ pallescente, strigaque moniliformi cinerea. *Noctua Euphorbia. Fab. Ent. Syst. 3. 408. 324?*—*Hüb. Schmet. Noct. 3. 12?*

HABITAT. prope Londinum, rarissima.

EXPANSIO alarum. 1. unc. 5. lin.

DESCRIPTIO. Præcedente, differt strigâ moniliformi cinereâ pone stigmata, quæ alba et angustè dentatâ est in priore. Exemplarium unicum solum vidi. Forte mera varietas.

Ligustri.
52.

N. (The Coronet) alis fuscis, annulo maculaque postica coronæformi albis. *Noctua Ligustri. Fab. Ent. Syst. 3. 102. 303.*—*Hüb. Schmet. Noct. 5. 21.*

Noctua Coronina Prod. Lep. Brit. 17. 115.

HABITAT. Imago f. Jun. Francis, at valde infrequens.

EXPANSIO alarum. 1. unc. 6. lin.

DESCRIPTIO. Thorax cinereus fusco maculatus. Abdomen subfuscum. Alæ anticæ fuscæ vel nigricantes, basin versus subinde cinerascens strigâ undatâ geminatâ nigrâ; tunc stigma anticum rotundum fuscum, albo cinctum, alboque adnatum usque per costam: pone medium punctum album marginis tenuioris: et in posticâ parte costam versus,

macula

macula magna alba in quâ linea dentata subannularis nigra, quæ macula subcoronæformis est: margo posticus cinereus, vel albidus, fusco maculatus: ciliis ordine punctorum fuscorum. Alæ posticæ fuscæ.

Primo communicavit amicus F. Skrimshire. M. D.

N. (The dark Coronet) alis fuscis, annulo maculaque postica coronæformi fusciscentibus.

coronula.

53.

*

Noctua coronulina. Prod. Lep. Brit. 17. 116.

HABITAT in Angliâ rarissime, tempore obliito. Exemplarium unicum tantum vidi. Communicavit ejus captor Gul. Skrimshire.

EXPANSIO alarum. 1. unc. 6. lin.

DESCRIPTIO. Præcedenti minis affinis, at fusca, caracteribus fusciscentibus sive pallide fuscis, nec albis ut in illiâ. Alæ posticæ fuscæ.

Obs. This differs from the foregoing, nearly in the same manner as the abovementioned *Noctua megacephala* and *Euphorbiæ* differ: or as *Noctua Aceris* does from *infusata*: or lastly as *Noctua Psi* hereunder, does from *tridens*.

compta.

54.

*

N. (The marbled Coronet) alis fusco albo nigroque variis, litura media nigra, strigaque postica alba.

Noctua compta Fab. Ent. Syst. 3. 95. 280.—Hüb. Schmet. Noct.

11. 53.

Phalæna Noctua X scriptum. Sowerb. Brit. Miscel. 117. pl. 55.

Noctua variegatina. Prod. Lep. Brit. 17. 114.

HABITAT in Angliâ valde infrequens.

EXPANSIO alarum. 1. unc. 6. lin.

DESCRIPTIO, ex Exemplariis germanicis. Thorax albo nigroque varius. Abdomen fuscum. Alæ anticæ albo fuscoque variæ, nebulis nigris, basi et medio fasciatim at irregulariter magis albæ. In medio costam versus litura nigra literam N subsimulans. Juxta marginem posticum striga alba valde undulata vel dentata, quæ ad apicem expandit in maculam parvam trilobatam. Alæ posticæ fuscæ at basin versus pallescentes.

Obs. There is an excellent Entomologist, more especially in matters concerning Linnæan entomology, who conceives this to be the *Phalæna Noctua polymita* of Linnæus. But the specimen of that species in the Linnæan Cabinet, is not only quite distinct from the present, but altogether different from any British one I have yet seen.

Obs. 2. Since the above was printed Mr. R. Fenton, F. E. S. has favored me with an English specimen of this rare species, which he caught last summer.

N. (The

Alni.
55.
*

N. (The Alder) alis cinereis at marginem tenuiorem versus alte nigris.

Noctua ALNI. *Fab. Ent. Syst.* 3. 89. 266.—*Hüb. Schmet. Noct.* 1. 3.

Phalena Noctua Alni. *Lin. Syst. Nat.* 2. 845. 134.

HABITAT. Larva in Alno. Imago m. Jun. Alnetis, at apud nos valde infrequens. Communicaverunt ejus captores amici. Rev. J. Burrell, et Rev. R. B. Francis, F. L. S. et H. E. Strickland, Armiger.

EXPANSIO alarum 1. unc. 6. lin.

DESCRIPTIO. Larva nigra maculis dorsalibus flavis pilisque elevatis. *Fab. l. c.*

Imago. Thorax canus, sed ad latera niger. Abdomen subcapum. Alæ anticæ cinereæ, sed marginem tenuiorem versus late seu fere dimidiatim nigræ; lineis duabus nigerimis, una basi, altera postica angulum ani versus, angulo ipso cinereo. Posticæ alæ albidæ. Cilia omnia ordine punctorum fuscorum.

Menyanthidis
56.
*

N. (The light Knot-grass) alis cano-cinereis stigmatibus ordinariis distinctis, striga duplici fusca antica, alteraque postica anguste dentata cinerea literam Psi terminante.

Noctua Menyanthidis. *Hüb. Schmet. Noct.* 2. 6. 7.

HABITAT apud nos rarissime. Imago i. Jun. Exemplaria duo solum vidi.

EXPANSIO alarum. 1. unc. 6. lin.

DESCRIPTIO. Auricomæ, simillima, at pallidior: alis posticis nec subfuscis sed fere albidis venis postice fuscis, ciliis nivicis. Linea nigra basi anticarum obsoletior, simplex, nec dentata.

similis.
57.
*

N. (The scarce Knot-grass) alis cinereis, striga subundata atra ante medium, alia fusca obliqua abbreviata medio, tertique cana submoniliformi, limbi postici: posticis albidis fimbria subfusca.

HABITAT in Anglia rarissime. Exemplarium solitarium solum vidi. Imago i. Jun. apud Coomb Wood.

EXPANSIO alarum. 1. unc. 5. lin.

Obs. Præcedenti nimis affinis, sed magis cinerea seu infuscata; striga ante medium anticarum simplex et longissime saturatior pone maculam cuneiformem obscuram fuscam cinereo-cinctam. Margo posticus distinctè notatus strigâ submoniliformi albidâ sive canâ. Striga postica anguste dentata, literâ Psi terminante prioris, fere omnino oblitteratâ. Posticæ alæ magis distincte subfusco fimbriatæ.

auricoma.
58.
*

N. (The scarce Dagger) alis cano-cinereis, stigmatibus ordinariis

nariis distinctis strigaeque postica dentata literam Psi terminante nigris; posticis subfuscis.

Noctua auricoma. *Fab. Ent. Syst.* 3. 106. 316.—*Hüb. Schmet. Noct.* 2. 8.

HABITAT. apud nos rarissime; exemplarium unicum tantum vidi, captum prope Londinum; tempore obliito.

EXPANSIO alarum. 1. unc. 7. lin.

DESCRIPTIO. Thorax cinereus lineâ albâ ad latera, nigro adnatâ. Alæ anticæ cano cinereoque variæ. stigma anticum subocellare annulo nigro, fuscâ pupillâ: stigmâ exterius reniforme albo nigroque cinctum: linea dentata nigra basi; strigaeque postica perdentata nigra quæ terminat in litura literam Psi simulante; costa nigro alboque punctata ut in fere omnibus hujus sectionis.

N. (The dark Dagger) cinereo-fusca, alis anticis characteribus nigris, stigmatibus ordinariis imperfectis junctis: posticis fuscis fimbria saturatiore.

Psi.

59.

Noctua Psi. *Fab. Ent. Syst.* 3. 105. 315.—*Hüb. Schmet. Noct.* 1. 5.

Phalena Noctua Psi. *Lin. Syst.* 2. 346. 135.—*Lin. Faun. Succ.* 1181.

HABITAT. Imago f. Jun. Septis, frequens.

EXPANSIO alarum. 1. unc. 7. lin.—1. unc. 8. lin.

DESCRIPTIO. Præcedenti simillima, at distincta, minus cinerea, stigmatibus imperfectis junctis, nigro ad juncturam semicinctis, et inde ad literam x simulantibus.

N. (The light dagger) cana, alis anticis characteribus nigris; posticis albidis fimbria pallide cinerascente.

tridens.

60.

Noctua Psi. *Fab. Ent. Syst.* 3. 105. 304.—*Hüb. Schmet. Noct.* 1. 4.

tridens; f.

HABITAT. Imago f. Jun. Septis, frequens.

EXPANSIO alarum, 1 unc. 7. lin.—1. unc. 8. lin.

DESCRIPTIO. Præcedenti nimis affinis et fere eadem, at alia larva. Colores semper pallidiores sunt. Posticæ alæ albidae vel albæ, fimbriâ fere oblitteratâ paulo saturatiore, vel pallide cinerascente.

N. (The grey Shoulder-knot) alis canis nebulosis, lambda græcorum basi nigra: posticis perfuscis.

Lambda

61.

Noctua Lambda. *Fab. Ent. Syst.* 3. 106.—317.

Noctua Lambdina. *Prod. Lep. Brit.* 17. 121.

Noctua rhizolitha. *Fab. Ent. Syst.* 3. 124. 373.—*Hüb. Schmet. Noct.* 50. 242.

HABITAT. Imago. f. Oct. Septis, at infrequens apud nos.

EXPANSIO

EXPANSIO alarum. 1. unc. 7. lin.

DESCRIPTIO. Caput et thorax capi. Abdomen subfuscum. Alæ anticæ itidem canæ lineolâ basi superne bifidâ, duabus aliis in medio nigris, nebulisque variis pallidioribus. Stigmata ordinaria distincta at obsoleta. Alæ posticæ saturate fuscae, ciliis pallidioribus, cæteris ut in ultimâ.

leporina.
62.

N. (The Miller) alis anticis albis, atomis lineolisque flexis nigris, posticis niveis.

Noctua Leporina. Hüb. Schmet. Noct. 3. 15, et 4. 16.

Phalena Noctua Leporina. Lin. Faun. Succ. 1176.—*Lin. Syst. Nat.* 2. 838. 109.

Bombyx Leporina. Fab. Ent. Syst. 3. 453. 144.

HABITAT. Larva in Betulâ Sept.—Imago Mai, Betuletis, at valde infrequens.

EXPANSIO alarum 1. unc. 6. lin.

DESCRIPTIO. Larva valde hirsuta. Imago. Caput thorax alæque anticæ alba, vel parum cinerascens lineola basi, punctis duobus oppositis (uno in costâ) ante medium nigris. Pone medium litura flexa majuscula nigra costalis, et alia minor opposita fere marginis tenuioris: tunc striga dentata interrupta nigra, sæpe fere oblitterata. Margo posticus ordine punctorum nigrorum. Posticæ alæ niidæ et fere albissimæ.

OBS. Mr. Donovan says in vol. 10. p. 8, of his Br. Ins, "The larva is pale or greenish white, with three longitudinal stripes of brown and a few black bars across; and "that it feeds on willow and alder." One we bred from birch, was all over covered with long hoary wool-like hairs, and resembled that of *N. Aceris*. In miniature it was not unlike a shock dog. The Rev. J. Burrell thus describes to me this singular Larva. "Pale green covered with very long "white hairs, which bend over the body like combed hair, "and has two dorsal erect black strong hairs."

†† Larvis plerumque nudis.

flavocincta.
63.

N. (The large Ranunculus) cristata, a. s. deflexis dematis, fusco cinereoque variis fulvo punctatis. Fab.

Noctua flavocincta. Fab. Ent. Syst. 3. 114. 344.—Hüb. Schmet. Noct. 10. 46. *mala*

Phalena Noctua tricolor Villars. Ent. 2. 282.

HABITAT. Imago f. Sept. Septis, hortisque.

EXPANSIO alarum 1 unc. 8. lin.—1. unc. 10. lin.

DESCRIPTIO. Caput et thorax cinerei. Alæ anticæ subcanæ, cinereo, fusco, fulvoque ariè, sed obscure fasciatæ, strigâ

strigâ undatâ posticâ sæpe oblitteratâ, e punctis trigonis fuscescentibus externè fulvescentibus. Posticæ alæ albicantes, strigâ pone medium fuscâ, fimbriâque cinerascente.

N. (The small *Ranunculus*) alis anticis cinereis strigis punctorum fulvorum, alborumque. *Ranunculina.* 64.

Noctua Ranunculina. Prod. Lep. Brit. 17. 125.

Noctua Dysodea. Hüb. Schmet. Noct. 10. 47 *mala*

Phalæna Noctua ornata Villars Ent. 2. 280.

HABITAT. Imago Hortis, et Septis, f. Jul.

EXPANSIO alarum 1. unc. 4. lin.—1. unc. 5. lin.

DESCRIPTIO. Caput et thorax præcedentis, at minor. Alæ anticæ cinereæ; striga basi alba intus fulva, secunda ante medium etiam alba externè puncto uno alterove fulvo; tertia striga arcuata moniliformis pone medium, punctis albis fusco interne arcuatim adnatis composita. Inter ultimas strigas color subfuscus et stigmata ordinaria cinerea punctis fulvis plus minus cincta. Juxta marginem posticum ordo punctorum fulvorum, ciliis fulvis cinereisque. Posticæ alæ cinereæ, fimbriâ fuscâ.

Obs. Since this species was published in the Prodrusus, I have found it to be the *Phalæna Noctua ornata* of Villars; and *Noctua Dysodea* of Hübner's Schmet. whose figure of it has but recently come to me: but as it is well known amongst us by the names of *Ranunculi*, and the small *Ranunculus*, it has been judged best to continue it.

Obs. 2. This moth, and its allies, are probably called *Ranunculuses*, from a fancied resemblance in some of their markings, to the double *Ranunculus* flower. I suppose it may be from the radiated mark near the posterior stigma.

N. (The grey Chi) alis canis, fusco, nigro, cinereoque nebulosis, Chi græcorum medio nigra.

Noctua Chi. Fab. Ent. Syst. 3. 107. 321.—Hüb. Schmet. Noct. 10. 49. *mala*

Phalæna Noctua Chi. Lin. Faun. Suec. 1180.—Lin. Syst. Nat. 2. 846. 136.

HABITAT apud nos infrequens. Imago Jul. Septis.

EXPANSIO alarum 1. unc. 6. lin.

DESCRIPTIO. Subcana. Alæ anticæ varie cinereo, fusco, nigroque nebulosæ. Stigmata ordinaria cana. Pone hæc, striga arcuata obsoleta albida moniliformis, alteraque similis juxta marginem posticum, interne punctis parvis nigris trigonis adnata. Alæ posticæ maris albæ, sive cinerascetes, feminae fere fuscæ, margine ipso postico in utroque nigro undulato.

N. (The

Chi.
65.

serena.
66.

N. (The broad-barred White) alis anticis albis fascia lata fusca in medio strigis albicantibus utroque adnata.

Noctua serena. Fab. Ent. Syst. 3. 101. 301.—Hüb. Schmet. Noct. 11. 54. *malv.*

Phalæna Noctua par. Donovan. Br. Ins. 338. 3.

HABITAT. Imago m. Jun. Septis, at vix frequens.

EXPANSIO alarum. 1. unc. 2 lin.

DESCRIPTIO. Caput et thorax albi, undis nigris, vel fuscis. Alæ anticæ glauco-albæ strigis duabus interruptis ad basin, fuscis: in medio fascia magna fusca nigro albo et subfulvo utroque dentatim marginata; in medio fasciæ lituræ aliquot nigræ, et stigmata ordinaria, margine albo solum conspicua. Juxta marginem posticum striga obsoleta nigra e punctis trigonis subconfluentibus. Posticæ alæ cinereæ fimbriâ fuscâ, ciliis albis; at cilia anticarum alba sunt, ordine punctorum fuscorum.

Obs. Mr. Donovan having published the present article as "a certainly undescribed species" in 1801, by the name of *Phalæna Noctua par*, I followed his name in the Prodrumus, by there calling it *Noctua parina*; but am now more than ever convinced that it is the *Noctua serena* Fab. Ent. Syst. &c.

catæna.
67.
*
†

N. (The Brixton Beauty) alis albissimis fascia postica, maculisque duabus costalibus fusco-olivaceis, strigaeque punctorum confertorum fuscorum subocellatorum marginali.

Phalæna catæna. Sow. Br. Mis. 29. t. 14.

HABITAT. Imago m. Sept. apud Brixton. prope Londinum, D. Plastead, at rarissime.

EXPANSIO alarum. 1. unc. 4. lin.

DESCRIPTIO. Antennæ fuscæ. Caput, thorax, et pectus albissimi; oculi magni nigri; abdomen canum. Alæ anticæ fasciâ juxta apicem intus olivaceâ externè fuscæ. Maculæ duæ costales fusco-olivaceæ prima juxta basin oblonga et obliqua, extrorsum spectans; altera in medio triangularis. Posticæ albæ, tincturâ purpureâ certo situ nitentes.

albo-ater.
68.
*
†

N. (The Nun) alis superioribus antice albis, postice, maculisque duabus costalibus atris.

HABITAT in Angliâ rarissime. In Museo D. Tinby.

EXPANSIO alarum.

DESCRIPTIO. Magnitudo H. luctuosæ. Pulcherima species et præsingularis.

Obs. This comes very near the *Noctua aprica* of Hüb. Schmet; and perhaps is not distinct from it. The above description

was

N. solaris Wien. Verz. 90. d.
N. albicollis Fab. Ent. Syst. 4. 36. 94.

was made eight years ago, and I have not seen the insect since.

N. (The early Grey) alis cinereis, fascia media irregulari fusca, stigmatibus duobus ordinariis auriculæformibus interrupta.

operosa.
69.

Noctua Operosa. Hüb. *Schmet. Noct.* 85. 398.

HABITAT. Imago f. Ap. Peridumetis, et Truncis.

EXPANSIO alarum. 1 unc. 4 lin.

DESCRIPTIO. Cinerea, abdomine sæpius rufescente. Alæ anticæ cinereæ fasciâ mediâ fuscâ ad marginem tenuiorem valde attenuatâ, sed ad costam nigro-punctatam vix attingente. Linea nigra a basi usque ad fasciam. In margine postico striga ex punctis quasi trigonis fuscis. Cilia cinerea ordine punctorum fuscorum et subinde etiam lunularum. Posticæ alæ fuscae, margine ipso postico tenue at interruptum nigro, ciliis roseis.

7. DENTI-STRIGATÆ. Alis anticis fusco-cinereoque variis rarius viridi irroratis, strigâ apicem versus sæpius alte dentatâ, et literam W simulante.

N. (The grey Arches) alis albicantibus nigro varie undatis: stigmatibus magnis subocellaribus, litura prope angulum posticum nigrum. Donov.

grandis.
70.

Noctua grandina. Prod. Lep. Brit. 17. 126.

Phalæna Noctua grandis. Donov. Br. Ins. 341. 1.

Noctua Plebeja. Hüb. *Schmet. Noct.* 16. 78.—*nec Linnæi.*

HABITAT. Imago f. Jun. Truncis, at infrequens.

EXPANSIO alarum. 2 unc.

DESCRIPTIO. Thorax cristatus canus, nigro undatus. Alæ anticæ canæ fusco nigro subfulvoque nebulosæ. Stigmata ordinaria magna alba, at in medio plus minus cinerea. Juxta marginem posticum striga multidentatâ nigra, ordineque punctorum fuscorum marginali.

Obs. When the Appendix to the Prodrômus was printing, I conceived this to be the *Phalæna Noctua occulta* of Linnæus; but it has since appeared in two separate inspections of his Musæum, obligingly granted to me by Dr. J. E. Smith, that the following species, and not the present, is the *Noctua occulta*: at least it now stands so named in the

B b

Linnæan

Linnæan Cabinet. Two species so nearly allied, Linnæus perhaps did not separate.

occulta.

71.

*

N. (The great Brocade) alis deflexis fusco-nebulosis: striga inferioribusque brevioribus margine albis. Lin.

Phalæna Noctua occulta. Lin. Faun. Succ. 1203.

Noctua Bimaculosa. Hüb. Schmet. Noct. 7. 32.

HABITAT. Imago Jul.? Peridumetis, at rarissima. Exemplaria tria tantum vidi.

EXPANSIO alarum. 2 unc. 2 lin.

DESCRIPTIO. Inter Ph. rusticas nostrates facile maxima est.

Alæ superiores cano-fuscoque nebulosæ; macula ovata, albida, ante reniformem cineream; Strigæ tres, albæ repandæ: prima ante maculam ovatam; secunda pone cordiformem; tertia angustissima versus marginem posticum.

Alæ inferiores multo breviores, subtus cinereæ puncto arcuque nigricante, margine postico omnino albo. Lin. l. c.

Obs. Of this rare Noctua I have preferred the above Linnæan description, to a new one from my english specimen, because it is an imperfect one. It was communicated to me by my friend Mr. J. Hatchett, of Kingsland, F. L. S. who is a very assiduous, and a very successful collector of English Insects.

argentina.

72.

*

†

N. (The silvery Arches) alis cinereo-argenteis nebulosis, strigis variis undulatis.

Noctua Hepatica. Hüb. Schmet. 16. 77. nec *hepatica.* Lin.

HABITAT apud nos valde infrequens. Exemplaria quinque solum vidi. Imago Truncis.

EXPANSIO alarum 1 unc. 10 lin.—2 unc.

DESCRIPTIO. Statura penultimæ cui simillima, at satis differt primo intuitu, nam pulchrior est, et longe magis nitens atque argentata.

polyodon.

73.

N. (The dark Arches) cristata alis deflexis dentatis variegatis: striga postica dentata alba, thoracis crista elevata bifida. Fab.

Noctua polyodon. Fab. Ent. Syst. 3. 114. 343.

Noctua radicea. Fab. Ent. Syst. 3. 125. 377.—Hüb. Schmet. Noct. 17. 82.

Phalæna Noctua polyodon. Lin. Faun. Succ. 12. 19.

HABITAT. Imago f. Jun. Septis, et Hortis frequens.

EXPANSIO alarum 2 unc.

DESCRIPTIO. Corpus pergrossum. Alæ anticæ ex fusco parum fulvicantes, nebulis variis nigris pallidisque. Stigma anticum

anticum oblongum, et valde obliquum sive subsupinum. Juxta marginem posticum striga profundissime et acutissime dentata alba, nigro interne adnata. Posticæ alæ cinereo-fuscæ, fimbriâ fuscâ, ciliis fulvicantibus.

Variat, alis minus variegatis.

N. (The green Arches) alis fulvicantibus strigis dentatis stigmatibusque tribus margine nigris.

mixta.

74.

*

Noctua mixtina. Prod. Lep. Brit. 17. 128.

Noctua Herbida. Hüb. Schmet. Noct. 16. 76?

Noctua Ligustrina Prod. Lep. Brit. 15. 90. vix distincta est.

HABITAT. Imago Peridumetis, m. Ap. at rarissime.

Exemplaria tria tantum vidi: Communicavit ejus captor amicus Rev. J. Burrell.

EXPANSIO alarum 2 unc.

DESCRIPTIO. Alæ anticæ pallide cinereo-fulvicantes, striga basi nigra, secunda ante medium, quæ exserit maculam ordinariam claviformem. Tertia striga geminata vix pone medium posita est. Inter ultimas strigas stigmata ordinaria nigro margine solum conspicua. Pone hæc, macula majuscula, pallidior. Juxta marginem posticum striga undata pallida fere oblitterata, intus adnata punctis nigris trigonis subtribus costam versus. Posticæ alæ fusco-fulvicantes fimbriâ fuscâ, ciliis subfulvis.

Obs. I conceive the above described to be a faded specimen, and that its tawny markings once were green.

N. (The barred Arches) alis anticis fusco cinereoque variis fascia magna angulata ferruginea obscuriore, in quâ stigmata ordinaria fere oblitterata, posticum magnum auriforme albicante.

satura.

75.

†

Noctua Satura. Hüb. Schmet. Noct. 16. 75.

HABITAT in Anglia. D. Francillon.

DESCRIPTIO. Statura præcedentis. Alæ anticæ apicem versus strigâ dentatâ albicante.

Obs. This description was made about the year 1800.

N. (The pale-shining Brown) alis cinereo-glaucis subnebulosis; strigâ posticâ ex punctis angulatis confluentibus, antennis hirtio-pectinatis.

advena.

76.

Noctua celata. Marsh. M. S.

Noctua celatina. Prod. Lep. Brit. 17. 129.

Noctua Advena. Hüb. Schmet. Noct. 17. 81?

HABITAT. Imago i. Jun.—1. Jul. Hortis, at infrequens.

EXPANSIO alarum 1 unc. 10 lin.—2 unc.

DESCRIPTIO

DESCRIPTION. Antennæ ferruginæ; maris aliquot hirtò-pectinatae. Alæ anticæ cinereo-fuscescentes, tincturâ argenteâ nitentes, strigis tribus, tribusque stigmatibus obsolete pallescentibus et subinde plus minus evanescentibus. Prima striga ante, secunda pone medium; inter has stigmata duo ordinaria, et tertium claviforme, margine solum conspicua: tertia striga postica est, composita ex punctis angulatis confluentibus subfulvis, extus pallido marginatis. Margo ipse posticus strigâ tenuissimâ undatâ, ex lineolis curvatis nigris. Costa albido obsolete punctata. Alæ posticæ fuscæ strigâ marginali anticarum.

OBS. This species does not agree with the Fabrician description of *Noctua advena*: but there is little doubt of its being the same as Hübner's figure, although it is too highly coloured for our English specimens.

nitens.
77.

N. (The Tawny and Silver) alis brunneo argenteoque variis, striga postica ex punctis angulatis confluentibus, antennis setaceis nudis.

Noctua nitensina. *Prod. Lep. Brit.* 17. 127.

HABITAT in Comitatu Norfolkense, at rarissima. Communicavit ejus captor amicus Rev. J. Burrell.

EXPANSIO alarum 1 unc. 10 lin.

DESCRIPTION. Exemplarium unicum Maris solum vidi, Præcedenti nimis affinis at minor, antennis setaceis, nudis nec hirtò-pectinatis, stigmatè claviformi majore. Alæ anticæ magis brunneæ et posticæ magis argenteæ, stigmatè reniformi inferne semicincto margine albissimo. Cætera fere ut in priore, at strigâ posticâ extus magis albâ.

OBS. This comes extremely near to *Noctua Hepatica* of Hüb. Schmet. 16. 17, (above described by the name of *argentina*) But the *hepatica* of Linnæus seems to be intirely distinct.

oblonga.
78.

N. (The brown-pinioned Brocade) alis cinereis nebulosis, costa maculâquæ oblongâ fuscis, strigâque albâ posticâ undulatissimâ.

HABITAT prope Wisbeach, tempore oblito. Communicavit ejus captor amicus Gul. Skrimshire, F. E. S. Entomologus acutus.

EXPANSIO alarum 1 unc. 8 lin.

DESCRIPTION. Alæ anticæ longitudinaliter semifuscæ, in quâ parte puncta costalia, apex, et stigmata ordinaria, cinerascientia. Altera pars alæ etiam cinerascit, maculâ majusculâ posticâ cuneiformi fuscâ, et aliâ in medio oblongâ marginem

ginem tenuiorem versus. Alæ posticæ albicantes, fimbriâ fuscâ; cætera ut in variis sequentibus.

N. (The gothic Brocade) alis pallide fuscescentibus nebulosis, lineolis duabus basi, arcuque medio, crassissimo nigricantibus.

remissa.
79.

Noctua Remissa. Hüb. Schmet. Noct. 90. 423.

HABITAT, prope Londinum, at infrequens, tempore obliito.

EXPANSIO alarum 1 unc. 6-7 lin.

DESCRIPTIO. Præcedenti affinis costâ pallidiore strigâque posticâ minus dentatâ, et fere evanescente; maculâ oblongâ nigrâ superne altè fusco adnatâ et inde stigmata subcinerea arcuatim includente. Posticæ alæ fuscescentes.

β. Characteribus pallidioribus, at magis distinctis.

N. (The dingy Brocade) alis cinereo-fuscis; stigmatibus ordinariis, maculaque basi pallidioribus.

obscura.
80.
*

HABITAT in Anglia rarissime.

EXPANSIO alarum.

DESCRIPTIO. Præcedenti, et sequentibus nimis affinis et forte varietas. Alæ anticæ magis obscuræ, seu fusco-cinereæ, maculâ magnâ basi costali pallidiore, lineolâ atræ internè adnatâ. Juxta marginem posticum striga obsoletissima undulata vix pallescens. Posticæ cinereo-fuscescentes.

N. (The light Brocade) alis argenteo-albis nebulosis, lineola solitaria basi, literaque I medio nigris.

rectilinea.
81.

Noctua locuples. Marsh. M. S.

Noctua locuplina. Prod. Lep. Brit. 18. 142.

Noctua Rectilinea. Hüb. Schmet. Noct. 51. 248.

HABITAT. Imago, m. Jun. Peridumetis, at infrequens.

EXPANSIO alarum 1 unc. 7 lin.

DESCRIPTIO. A penultima differt. Pallidior, lineolâ 1, nec 2. basi nigrâ. Alæ posticæ albicantes fimbriâ saturatiore.

N. (The beautiful Brocade) thorace cano strigâ nigrâ transversâ, alis diversicoloribus fascia antrorsum obliquâ albâ interruptâ; posticè canescentibus.

dives.
82.

Noctua dives. Marsh. M. S.

Noctua divesina. Prod. Lep. Brit. 18. 140.

HABITAT. Imago m. Jun. Truncis, at infrequens.

EXPANSIO alarum 1 unc. 7 lin.

DESCRIPTIO. Alæ anticæ nebulosæ, fusco fulvo alboque variæ: maculâ albâ costali ipso basi, alterâque anticâ majore fere marginis tenuioris: tunc fasciâ fractâ in medio antrorsum obliquâ, compositâ ex stigmate anteriore rotundo albo, maculâ bifidâ albidâ adnatâ; et maculâ aliâ albâ marginis tenuioris,

nuioris. Postica pars alæ pallescit vel cinerascit strigâ albâ dentatâ punctis paucis sagittatis intus adnatâ ut in aliis hujus sectionis. Alæ posticæ albidæ, nervis strigâque ipsius marginis postici fuscis.

β. Thorace cinereo striga transversa nigra, alis diversicoloribus fascia antrorsum obliqua alba interrupta, margine postico subfusco striga alba.

Noctua pulchellina. *Prod. Lep. Brit.* 18. 141.

Noctua Contigua. *Hüb. Schmet. Noct.* 18. 85. nec *N. contigua*. *Fab.*

HABITAT Larva in Betulâ apud Coomb Wood, f. Sept. Imago, f. Mai. Peridumetis,—Truncis; valde infrequens.

EXPANSIO alarum 1 unc. 8 lin.

OBS. This beautiful insect is, perhaps, a sexual variation only, of *N. dives*; but all the Brocade Moths have very nearly the same markings, which are more easily perceived than described. Its thorax and the posterior margin of its upper wings are much deeper, as are all its other characters, and with more of the bluish-blossom-like tint.

duplex.
83.

N. (The dark Brocade) alis nebulosis, brunneo cinereoque variis, lineola nigra, strigis stigmatibusque pallidioribus; posticis albidis, fimbria venisque fuscis.

Noctua duplex. *Marsh. M. S.*

N. duplicina. *Prod. Lep. Brit.* 18. 139.

~~*Noctua Convergens*. *Hüb. Schmet. Noct.* 18. 84?~~

HABITAT cum prioribus, Imago m. Jun.

EXPANSIO alarum 1 unc. 8 lin.

DESCRIPTIO. Alæ anticæ strigâ ante, alterâ pone medium undatis pallidis, connexis per lineolam nigram marginem tenuiorem versus: inter has strigas, stigmata ordinaria obsoleta cinerea, et pone hæc striga postica pallida alte bidentata.

humeralis.
84.

N. (The pale-shouldered Brocade) alis nebulosis brunneo-cinereis, strigis tribus albis; basi pallidis lineola nigra; posticis fuscis. *N. debiles* *Hüb. Noct. 106. 490*

HABITAT cum prioribus.

EXPANSIO alarum 1 unc. 7 lin.

DESCRIPTIO. Præcedenti simillima, at minor, pulchrior, strigis longe pallidioribus; alis posticis fuscis; nec albidis fimbriâ fuscâ, ut in priore.

Dens-canis.
85.
*

N. (The Dog's Tooth) alis fuscis subnebulosis, lineola basi interrupta nigra, strigâque postica bidentata alba.

HABITAT in Cantio, at valde infrequens, tempore obliito.

EXPANSIO

EXPANSIO alarum 1 unc. 4-5 lin.

DESCRIPTIO. Alæ anticæ nitidæ, fuscæ, lineolâ acutâ dentiformi nigrâ late interruptâ, basi ad medium ductâ. Stigmata ordinaria fuscescentiâ, et fusco cincta inter strigas duas pallescentes fere oblitteratas. Striga tertiâ juxta marginem posticum alba, altè bidentata, utraqûe plus minus nigro marginata. Posticæ alæ fuscæ.

OBS. Noctuæ perspicillaris Hübneri, nec Linnæi, affinis est, at alia.

N. (The Cabbage Moth) alis fusco-cinereis nebulosissimis, stigmatibus reniformi strigâque bidentata postica albis.

Noctua Brassicæ. Fab. Ent. Syst. 3. 67. 189.—Hüb. Schmet. Noct. 18. 88. Mas.

Phalena Noctua Brassicæ. Lin. Faun. Suec. 1205.—Lin. Syst. Nat. 2. 852. 163.

HABITAT. Imago Jun. Jul. Aug. Septis, et Hortis vulgarissima.

EXPANSIO alarum 1 unc. 7-8 lin.

DESCRIPTIO. Larva fusca vel viridis: linea dorsali obscuriore, stigmatibus albis. Fab. l. c.

Brassicas horticorum valde devastat.

Puppa brunnea. Fab. l. c.

Imago. Alæ valde nebulosæ cinerascens, strigis irregularibus nigris, strigâque aliâ posticâ undatâ albâ. Stigma exterius reniforme, marginè albo punctato. Costa punctis quatuor posticis etiam albis. Alæ posticæ fuscæ. Fæmina coloribus saturatioribus.

N. (The White-line Black) alis anticis nigricantibus, striga postica alte bidentata albicante.

HABITAT in Anglia rarissime. In museo J. Hatchett.

DESCRIPTIO. Statura et magnitudo fere N. Brassicæ. Alæ anticæ stigmatibus ordinariis, strigâque alte dentatâ juxta marginem posticum albicante, exacte ut in Noctuis vulgo dictis "Brocades."

N. (The Dot) alis varie nebulosis, nigris, stigmatibus reniformi niveo, in quo lunula obtusa fulva.

Noctua Persicariæ. Fab. Ent. Syst. 3. 111. 335.—Hüb. Schmet. Noct. 13. 64.

Phalena Noctua Persicariæ. Lin. Faun. Suec. 1208.—Lin. Syst. Nat. 2. 847. 142.

HABITAT Imago f. Jun. Septis.

EXPANSIO alarum 1 unc. 8 lin.

DESCRIPTIO. Larva nuda viridis: linea dorsali alba, segmento

Brassicæ.
86.

albidilinea.

87.

*

†

Persicariæ.

88.

*

mento quarto et quinto macula obscuriore, cauda conica. Fab. l. c. Pupa brunnea. Fab. l. c. Imago. Costa superiorum alarum punctis sex albidis, posticis tribus minoribus. Striga obsoleta punctorum minorum fulvorum juxta marginem posticum. Posticæ alæ glauco-albidæ, fimbria nigra.

nigra.

89.

*

†

N. (The black Rustic) alis anticis nigris fascia lata saturatiore, stigmatibus ordinariis fere oblitteratis, postico albicante, posticis albis.

HABITAT in Angliâ D. Francillon.

MAGNITUDO N. Persicariæ, at valde distincta.

Obs. This description was made in the year 1800.

Chenopodii.

90.

N. (The Nutmeg) cristata alis planis cinereis nigro maculatis; striga postica bidentata alba, thoracis crista brevi bifida, Fab.

Noctua Chenopodii. Fab. Ent. Syst. 3. 68. 192.—Hüb. Schmet. Noct. 18. 86.

HABITAT. Imago. Jun. Hortis, frequens.

EXPANSIO alarum.

DESCRIPTIO. Larva viridis linea dorsali obscuriore, laterali rubra. Fab. l. c. Imago. Media. Antennæ fuscae. Caput et Thorax cinerea, immaculata. Alæ anticæ cinereæ, atomis imprimis costæ marginisque postici nigris. In medio maculæ ordinariæ. Ante marginem posticum striga cinerea, bidentata. Posticæ cinereæ apice fuscae. Fab. l. c.

β. Pallidior, stigmate claviformi multo minore.

γ. Alis saturatioribus, striga postica obsoletiore.

Noctua infraina. Prod. Lep. Brit. 18. 136.

contigua.

91.

N. (The large Nutmeg) cristata alis planis fusco cinereoque nebulosis: striga postica bidentata alba, thoracis crista bifida. Fab.

Noctua contigua. Fab. Ent. Syst. 3. 69. 194.

Noctua Aliena. Hüb. Schmet. Noct. 94. 447.

HABITAT cum priore, at longe rarius.

EXPANSIO alarum 1 unc. 5-6 lin.

DESCRIPTIO. Nimis N. Chenopodii affinis at magis obscura. Fab. l. c.

β. Fere duplo minor, longe pallidior. Forte distincta.

lunulina.

92.

*

N. (The Crescent-striped) alis fuscis strigis lunularum pallidarum.

Noctua lunulina. Prod. Lep. Brit. 19. 165.

HABITAT

HABITAT in Comitatu Cantabrigiense, tempore obliito. Communicavit ejus captor Gul. Skrimshire.

EXPANSIO alarum 1 unc. 8 lin.

DESCRIPTIO. Alæ fuscæ, vix cinerascentes strigis quatuor obsoletis pallidioribus nigro adnatis, quasi ex-lunulis minutis: prima basi fere omnino obliterated, secunda undata ante, tertia arcuata pone medium; inter has lunulâ punctisque aliquot pallidis loco marginis stigmatis postici. Stigma anticum deest. Tunc striga quarta dentata fere ut in precedentibus. Ordo punctorum nigrorum minutissimorum in ipso margine postico: ciliis fuscis, at lente cinerascentibus. Alæ posticæ cinereæ fimbriâ fuscâ, strigâ in ipso margine pallidâ, ciliis albidis.

N. (The bright-line Brown-eye) alis subcastaneis striga postica bidentata alba.

oleracea.
93.

Noctua oleracea. Fab. Ent. Syst. 3. 99. 295.—Hüb. Schmet. Noct. 18. 87.

Phalæna Noct. oleracea. Lin. Faun. Suec. 1197.—Lin. Syst. Nat. 2. 853. 171.

HABITAT. Imago f. mai, Hortis.

EXPANSIO alarum 1 unc. 7 lin.

DESCRIPTIO. Thorax alæque anticæ plus minus castaneæ, vix nebulosæ. Stigma anticum annulo albo solum conspicuum; stigmatibus tertio obsoleto subfusco adnatum marginem tenuiorem versus: posticum stigma fulvum. Posticæ alæ albidæ fimbriâ fuscâ.

Obs. Striga postica minus dentata in sequentibus, quam in prioribus.

N. (The Broom) alis subferrugineis, striga alba undata ad marginem posticum.

Pisi.
94.

Noctua Pisi. Fab. Ent. Syst. 3. 93. 275.—Hüb. Schmet. Noct. 91. 429.

Phalæna Noctua Pisi. Lin. Faun. Suec. 1206.—Lin. Syst. Nat. 2. 854. 172.

HABITAT, Larva in Plantis Papilionaceis. Imago m, Jun. Septis, vix frequens.

EXPANSIO alarum 1 unc. 6-7 lin.

DESCRIPTIO. Rustica media. Alæ superiores griseo-nebulosæ, postice striga flexuosa alba, quæ ad angulum ani maculam albam majorem constituit. Lin. l. c.

Obs. Alæ posticæ maris albidæ fimbriâ fuscâ: femine fuscae basin versus cinerascentes.

♂. Alis anticis fuscis striga postica interrupta alba; posticis cinereis puncto lunari medio fimbriaque fuscis, et in fimbria fascia abbreviata albicante.

Cc

Obs.

OBS. Hujus varietatis Exemplarium unicum tantum vidi. Communicavit ejus captor, H. E. Strickland. Ex Com. Ebor.

basilinea. N. (The rustic Shoulder-knot) cristata alis deflexis fusco griseis undatis: lineola baseos atra, thoracis crista bifida. Fab.

Noctua basilinea. Fab. Ent. Syst. 3. 125. 376.—Hüb. Schmet. Noct. 91. 427.

HABITAT Imago i. Jun. Sylvis, at infrequens.

EXPANSIO alarum 1 unc. 7 lin.

DESCRIPTIO. Color variat ferrugineus griseusque. Distincta tamen lineola parva, flexuosa baseos, atra. Antennæ albidæ. Fab. l. c.

unca. N. (The founced Rustic) alis pallide rufescentibus strigis duabus fasciaque marginali fuscis. Fab.

HABITAT rarius, Imago, Aug. Septis.

EXPANSIO alarum 1 unc. 7 lin.

DESCRIPTIO. Antennæ hirtio-pectinatae. Alæ anticæ subnebulosæ, strigâ undatâ fractâ ante medium: tunc stigmata ordinaria fusco pallidoque imperfecte marginata: tunc striga secunda extus arcuata, ex lunulis confertis nigris pallido extus adnatis composita; et priore fascia connexa per lineolam nigram unciferam. Margo posticus undatim subfuscus apice pallido. Cilia rufo-cinerea maculis cinereo-fuscis. Posticæ albæ strigâ in ipso margine subinterruptâ fuscâ, ciliis rufescentibus.

Variat characteribus omnibus obsoletioribus.

lunato-strigata. N. (The lesser founced Rustic) alis rufescentibus nigro nebulosis, strigis duabus fasciaque marginali fuscis.

97.

HABITAT apud nos infrequens. Imago Aug.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Præcedenti vix differt nisi magnitudine minore, et coloribus saturatoribus, sed rarissime variat.

X. notata. N. (The tawny X) alis rufescentibus macula oblonga nigra utrinque emarginata in medio, strigisque arcuata pone medium ex lunulis nigris.

98.

HABITAT rarissime apud nos. Exemplarium unicum solum vidi.

EXPANSIO alarum 1 unc. 3 lin.

DESCRIPTIO. Præcedenti valde affinis, at magis rufescens. Antennæ hirtio-pectinatae ut in illâ, at macula media nigra diversa

diversa est. Alæ posticæ albæ, apice strigâque in ipso margine fulvis.

8. CLATHRATÆ. Alis anticis venosis, albo plus minus reticulatis; antennis rarius pectinatis.

N. (The Gothic) alis omnibus fuscis, anticis albo reticulatis, stigmatibus tribus albo marginatis.

Noctua typica. *Fab. Ent. Syst.* 3. 99. 293.

Phalæna Noctua typica. *Lin. Faun. Suec.* 1195.—Villars *Ent.* 2. 244.

Noctua Venosa Hüb. *Schmet.* 13. 61.

HABITAT, Imago f. Jun. Ripis, frequens.

EXPANSIO alarum 1 unc. 7-8 lin.

DESCRIPTIO. Antennæ setacæ. Alæ anticæ fuscæ, venis albis; striga fracta ante medium nigra, albo utraque marginata: alia striga pone stigmata etiam alba, lunulis nigris confertis antrorsum marginata. Juxta marginem posticum striga tertia ex lunulis albis confluentibus, interne punctis trigonis plus minus adnatis: tunc striga ex punctis minutis trigonis fuscis; denique striga tenuissima fusca ipsius marginis, ciliis cinereis. Prope basin maculæ duæ nigræ, alteraque quadrata nigricans inter stigmata, quarta macula parva inter hæc et marginem tenuiorem: et quinta pone stigma posticum. Posticæ alæ omnino per-fuscæ ciliis cinereo-rufescentibus.

typica.
99.

N. (The feathered Gothic).

Bombyx popularis, *supra.* 117. 63.

Obs. I now possess this species, from an assiduous collector, Mr. Rippon, of York. It best arranges here.

popularis.
100.

N. (The bordered Gothic) alis fusco rufescentibus, strigis albo rufescentibus reticulatis, posticis albidis fimbria fusca.

Noctua typicoidina. *Prod. Lep. Brit.* 17. 133.

Noctua typica Hüb. *Schmet. Noct.* 12. 57.

HABITAT in Angliâ rarissima. Exemplaria duo, solum vidi Norfolkciensia. Imago Jul. med. Communicavit ejus captor Rev. J. Burrell.

EXPANSIO alarum. 1 unc. 6-7 lin.

DESCRIPTIO. Præcedenti simillima at distincta, nempe longe minor, minus fusca magisque rufescens; atque posticæ alæ albidæ fimbriâ distinctissimâ fuscâ: nec omnino fuscæ. Antennæ setacæ.

marginosa.
101.

Obs.

OBS. As specific names ending in ides, have ceased to be used by the generality of Naturalists, that of typicoides for the present species is here abandoned; although a most expressive one. It originated with Mr. Marsham, and is now used in several London cabinets, not for the present article, but for *Bombyx Popularis* Fab. (The feathered Gothic) which I now find to be a genuine *Noctua*, necessary to be arranged in this section. Many other names in the *Prodromus* I also found in use in the London cabinets, which likewise originated with the abovementioned gentleman: such, however, are carefully cited in this work, as far as I know them: but the *Prodromus* being a catalogue only, did not easily admit of such acknowledgement.

Cucubali.
102.

N. (The Champion) alis cinereo fuscoque variegatis. stigmatibus flexo-junctis inter strigas duas geminatas læte violaceas. *Noctua Cucubali.* Hüb. *Schmet. Noct.* 12. 56.

HABITAT, fere rarissime apud nos. Exemplaria tria prope Londinum capta, et unicum in Com. Bedfordiense amico C. Abbott. D. D. F. L. S. solum vidi.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Alæ anticæ fuscæ paulo cinerascentes, characteribus ut supra. Stigmata gracilia divergentia, at basi flexoso-juncta albo marginata. Striga postica dentata alba. Cilia fusca, vix cinerascens. Posticæ fuscæ tincturâ fere lutei et marginem versus paulo saturatiores.

capsincola.
103.

N. (The Lychnis) alis cinereo, fuscoque variis, strigis tribus obsoletis albicantibus; stigmatibus liberis.

Noctua Capsincola, Hüb. *Schmet. Noct.* 12. 57.

HABITAT. Imago i. Jun. Ripis Hortisque.

EXPANSIO alarum. 1 unc. 3 lin.

DESCRIPTIO. Præcedenti differt in stigmatibus divaricatis distinctis, nec flexo-junctis. Strigæ obsoletissimæ cinereæ vel albidæ nec lætissime violaceæ. Cætera fere ut in ultima.

9. FISSO-NOTATÆ. Alis anticis notâ mediâ pallidâ parvâ fissâ.

Atriplicis.
104.

N. (The Arrach Moth) alis subcinereis nebulosis, flavo vel viridi variegatis, macula media fissâ albicante.

Noctua Atriplicis. Fab. *Ent. Syst.* 3. 95. 282. — Hüb. *Schmet. Noct.* 17. 83.

Phalæna

Phalæna Noctua Atriplicis. Lin. Faun. Suec. 1196.—Lin. Syst. Nat. 2. 854. 173.

HABITAT Larva in Atriplice, Rumice.

Imago f. Jun. Sept. Hortis prope Wisbeach Com. Cant.—at infrequens. Communicavit ejus captor amicus F. Skrimshire, M.D.

EXPANSIO alarum 1 unc. 8-10 lin.

DESCRIPTIO. Larva nuda, rufescens, albo punctata lineaque dorsali fusca. Fab. l. c.

Puppa brunnea. Fab. l. c.

Imago pulcherrima. Thorax cristatus, antice et ad latera flavo vel viridi undatim fasciatus. Alæ anticæ strigis pallidis obsoletis submoniliformibus, nigro plus minus adnatis; duabus ante, unâ pone medium, præterea quartâ undatâ albâ juxta marginem posticum, et in margine ipso strigâ ex lunulis confertis nigris, ciliis cinereis. Stigmata ordinaria lutea vel viridia, marginibus pallidioribus, anticum rotundum, posticum reniforme maximum. Alæ posticæ fuscæ fimbriâ saturatiore.

N. (The Dismal) alis subfuscis, notis duabus in medio nigris fassis. *N. epsilon* Hübn. Noct. 29, 126. *fissipuncta*. 105.

HABITAT Imago Jul? Peridumetis, vix frequens.

EXPANSIO alarum. 1 unc. 3-4 lin.

DESCRIPTIO. Alæ pallide fuscæ subnebulosæ costâ albo punctatâ. Stigmata ordinaria obsoletissima cinerascens, inter hæc liturâ nigrâ, aliâque longitudinali oppositâ marginem tenuiorem versus fassis. Juxta marginem posticum striga obsoleta pallescens undata, intus punctis trigonis nigris plus minus adnata. Posticæ alæ pallidiores, sive pallide fuscæ.

β. Alis anticis nigris, posticis fuscis, cæteris ut in α, at saturatiore.

HABITAT prope Wisbeach Salicetis, vespere volatu undatim velocissimo. Exemplaria duo tantum vidi, hujus varietatis.

EXPANSIO alarum 1 unc. 6 lin.

N. (The glaucous Sheers) alis glauco fuscoque variis nebulosis, macula in medio bifida. *glaucæ*. 106.

Noctua Glaucæ. Hübn. Schmet. Noct. 87. 410.

HABITAT prope Londinum, at valde infrequens, tempore obli-

lito.

EXPANSIO alarum 1 unc. 3-4 lin.

DESCRIPTIO. Alæ glauco-cinereæ subfulvescentes strigibus obsoletis pallescentibus, fusco plus minus adnatis. Stigmata

mata tria ordinaria margine fusco vel nigro solum conspicua. Posticæ fuscæ tincturâ fulvedinis. Sequenti valde affinis at distincta.

plebeia.
107.

N. (The Sheers) alis cinereis arcu obsoleto nigro, in quo stigmatibus tribus cinereis.

Noctua plebeja. Lin. Mus.

Noctua Dentina Hüb. Schmet. Noct. 87. 408.

HABITAT Imago f. Jun. Septis vix infrequens.

EXPANSIO alarum 1 unc. 3-4 lin.

DESCRIPTIO. Alæ anticæ cinereæ, lituræ tres nigræ transversæ basi, juxta punctum flavum marginis tenuioris. In medio quasi arcus ex maculis nigris angulatis compositus, venis albis intersectus, et albo marginatus. In centro arcus stigmata ordinaria cinerea nigro separata, et subius hæc, litura fissa subcinerea. Juxta marginem posticum striga dentata alba, nigro vel nigris punctis plus minus marginata; in margine ipso striga tenuis ex punctis lunato-trigonis nigris; ciliis cinereis. Alæ posticæ cinereo-fuscæ tincturâ fulvedinis; et fimbriâ fuscâ, pone strigam oblitteratam dentatam albicantem.

OBS. My friend and Tutor in the delightful science of Entomology, assures me that this is the true *Noctua plebeja* of the Linæan Musæum.

dentina.
108.

N. (The yellow-striped Sheers) alis cinereis nebulosis, macula basi, strigæque postica dentata flavis.

Noctua dentina. Fab. Ent. Syst. 3. 69. 196.

HABITAT in Cantio at rarissime, tempore oblioto. Exemplaria duo solum vidi.

EXPANSIO alarum 1 unc. 3-4 lin.

OBS. As the Fabrician description of this Moth, which is very closely allied to the last, and appears to be merely a variety of it, admirably suits my specimens, it is here subjoined.

DESCRIPTIO. Alæ anticæ cinereæ in medio imprimis fusciscentes maculis ordinariis maculaque cinerea, bifida. Distincta macula marginis inferioris ad basin strigæ undata flavis. Fab. l. c.

leucostigma.
109.

N. (The pale Sheers) alis cinereo-albicantibus arcu obsoleto ex maculis subfulvis composito, in quo stigmata tria albicantia, infimo fisso.

HABITAT Imago f. Jun. Septis, at rarissime, prope Coomb Wood.

EXPANSIO alarum 1 unc. 3-4 lin.

OBS.

Obs. Of the last but one, this may possibly be only a variety, as it agrees with it in almost every thing, except being much lighter coloured; and in being fulvous, or subfulvous, or rusty-flavous in every part where that is brown or black.

N. (The tawny Sheers) alis ochraceis strigis quatuor stigmatibusque ordinariis pallidis, unoque stigmatate nigricante.

HABITAT Imago f. Jun. Septis, at valde infrequens.

EXPANSIO alarum. 1 unc. 3-4 lin.

DESCRIPTIO. Corpus alæque ochraceæ. Stigmata ordinaria albicantia, stigmatate tertio claviformi plus minus nigricante. Strigæ ut in præcedentibus quatuor; una imperfecta basi, due ante, tertia arcuata pone stigmata, omnes moniliformes et nigro plus minus marginatæ; quarta striga undata juxta marginem posticum est et ad apicem sæpe dilatata in maculam pallidioris; in ipso margine striga tenuis ex punctis lunato-trigonis nigris, ciliis luteis. Posticæ alæ ex albido-fulvicantes nitidæ, fimbria fusca, ciliis luteis.

ochracea.
110.

N. (The brindled Green) alis viridi cinereoque variis, posticis fimbria fusca in qua striga albida.

Noctua seladonia. Fab. Ent. Syst. 3. 103. 308.

Noctua virensina. Prod. Lep. Brit. 15. 89.

HABITAT Imago m. Ap.—m. Oct. Peridumetis.

EXPANSIO alarum 1 unc. 4-5 lin.

DESCRIPTIO. Costa anteriorum alarum nigro multipunctata. Stigmata ordinaria, et tertia subbifida infima, pallidiora fere ut in præcedentibus. Postica pars alæ etiam paulo pallescit. Striga pallida undata juxta marginem posticum, punctis trigonis nigris variis, at in ipso margine magis regularibus. Posticæ cinereæ, fimbriâ fuscâ in qua striga albicans, margine ipso undatim nigro strigato; ciliis cinereis punctis fuscis.

β. Omnino pallidior et pulchrior; margine tenuiore, stigmatibus tribus, fasciaque apicis albidis; strigaque alba posticarum in qua ordo punctorum fuscorum.

Noctua Protea. Hüb. 87. 406.

Merè varietas at rarissima.

HABITAT in Betula, Imago apud Coomb Wood f. Sept.

seladonia.
111.

10. VIRESCENTES. Alis plus minus viridibus, vel viridi notatis.

Larva glabra or pubescens Lat. Linn. 265.

aprilina.
112.

N. (The Marvel Du Jour) alis læte viridibus lituris numerosis nigris albo adnatis, strigisque posticis duabus ex punctis nigris sagittatis introrsum cuspidatis, abdomine grosso.

Phalæna Noctua aprilina. Lin. Faun. Succ. 1178.

Phalæna Noctua aprilina. Gmel. Syst. Nat. 2561. 138.

Noctua runica Fab. 3. 102 305. Herb. Noct 15. 71.

Noctua runica Donovan. Br. Ins. 354. 1.

HABITAT. Imago m. Ap. — m. Oct. Peridumetis.

EXPANSIO alarum 1 unc. 7-8 lin.

DESCRIPTIO. Thorax viridis lituris nigris. Abdomen fuscum. Alæ anticæ striga punctorum sagittatorum juxta marginem posticum, et in ipso margine striga alia simillima, at punctis minoribus. Posticæ alæ perfusæ striga alba ad marginem posticum, sesquialtera anguli ani; ciliis albis fusco maculatis.

122
151
OBS. This is at once a plentiful, well known and beautiful insect: but it is remarkable that none of our collectors ever take it in the winged state, and very rarely in that of a Larva. The usual mode of procuring it being by digging about the roots of oaks an inch deep for the pupæ, which are annually found in that manner, in considerable numbers.

Many other species of Lepidoptera, are taken in the same way only; while some are hardly ever seen in the pupa state, although common on the wing! Still others are as yet found in no other stage, but that of a Larva.

OBS. 2. It is equally remarkable, that this species, although so common, should have been confounded by many entomologists with the following; notwithstanding their strongly differing characters. Or that Mr. Donovan after charging the confusion to Linnæus, who so *clearly defines* aprilina in his Fauna, should imprudently follow Fabricius (who sufficiently describes both species) in the disadvantageous transposal of their names.

runica.
113.

*

N. (The scarce Marvel Du Jour) alis læte perviridibus lituris numerosis nigris albo adnatis, striga marginali ex punctis trigonis extrorsum cuspidatis, abdomine graciliori.

Phalæna Noctua runica. Gmelin. Syst. 2561. 1123. excluso synonymo Linnæi, quod ad aprilinam pertinet.

Noctua.

Noctua aprilina Fab. Ent. Syst. 3. 103. 306. excluso synonymo Linnæi.

Phalæna aprilina. Donovan. Brit. Ins. 347. 1.

Noctua Ludificina. Prod. Lep. Brit. 15. 87.

Obs. There are some able english Entomologists, amongst whom is my respected Tutor in this science, who consider the present article to be the *Phalæna Noctua Ludifica* of Lin. Faun. Suec.; and in submission to such authority, I so called it in the Prodomus. But *Ludifica*, not to mention its yellow abdomen, and far paler wings; must be a very different species. I have never seen it.

HABITAT rarissime apud nos. Imago Mai. Truncis. Exemplaria quatuor solum vidi.

EXPANSIO alarum 1 unc. 5 lin.

DESCRIPTIO. Præcedenti similis at valde distincta. Minor, abdomine fusco graciliori, magisque cristato. Lituræ nigræ alarum longe grossiores, atque diversæ, strigâ tantum unicâ in ipso margine postico, ex punctis magis trigonis quam sagittatis, extrorsum, nec introrsum cuspidatis. Alæ posticæ fere nigræ punctis parvis albis ad angulum ani; ciliis itidem albis ordine notarum fuscaram.

N. (The Portland Moth) alis cinereo-viridibus lucidis, striga crassa undata postica rufa.

Noctua præcox. Fab. Ent. Syst. 3. 97. 289.

Noctua Præceps. Hüb. Schmct. Noct. 15. 70.

HABITAT prope Londinum rarissime, Imago i. Mai. — f. Aug. Peridumetis, at in Insulis Portlandicis frequens.

EXPANSIO alarum 1 unc. 7-8 lin.

DESCRIPTIO. Thorax canescens. Abdomen alæque posticæ fuscæ, tincturæ flavidinis. Anticæ virescentes subnebulosæ, stigmatibus tribus ordinariis in medio pallidioribus, inter strigas duas obsoletas submoniliformes nigro-albidas; vel albas nigro stigmata versus adnatas.

Obs. Although I have known this moth to be taken even in London, but on a flower pot, brought from the country, the Portland Islands seem the only places where it abounds with us; and there that great patroness of Natural History, the late Duchess of Portland, first found it. Of her rearing, I have possessed many specimens, and have seen a great number of others.

N. (The green-brindled Crescent) alis fusco viridi pallidoque. *Oxyacantha*. variis, lunula alba marginis tenuioris.

D d

Noctua

115.

præcox.
114.

125

122

Noctua Oxyacanthæ. Fab. *Ent. Syst.* 3. 93. 277.—Hüb. *Schmet. Noct.* 7. 31.

Phalæna Noctua Oxyacanthæ. Lin. *Faun. Suec.* 1207.—Lin. *Syst. Nat.* 2. 852. 165.

HABITAT Larva in Cratægo Oxyacanthâ verno. Imago f. Sep. Sepibus.

EXPANSIO alarum 1 unc. 7 lin.

DESCRIPTIO. Alæ anticæ viridi pulchre irroratæ, presertim ad marginem tenuiorem, strigâ anticâ undatâ lineolâque a basi post strigam atris. Tunc stigmata ordinaria pallidiora, antè magnum rotundum, exterius maximum longitudinaliter ovale; et pone hoc striga obsoletissima tenuissima pallescens, quæ terminat angulum ani versus in lunulâ albâ. Ad marginem posticum fascia pallescens, vel glaucescens, quæ ad marginem tenuiorem vix attingat, in qua fascia ordo punctorum fuscorum. Cilia cinerea ordine punctorum fuscorum majorum, Posticæ alæ fuscæ, strigâ marginali obliteratâ albicante.

β. (The dark Crescent) alis anticis fusco brunneis absque viridi, strigâ punctorum minorum pallidiorum marginali.

Obs. The location of this species, is not so natural, as it is convenient; and it might be better to follow Hübner in arranging it after *Noctua occulta*: and *Bombyx oleagina* should certainly accompany it.

70
oleagina:
116.

N. (The green-brindled Dot). *Hüb. Noct.* 7. 33,
Bombyx oleaginus, *supra*, 120. 70.

129
ridens.
117.

N. (The frosted Green) cristata alis deflexis viridi fusco alboque variis: macula baseos strigisque duabus undatis albis, antennis flavescens. Fab.

HABITAT apud nos valde infrequens. Larva f. Jun. Quercu. Imago m. Ap.

Noctua ridens. Fab. *Ent. Syst.* 3. 119. 360.

Noctua Xanthoceros. Hüb. *Schmet. Noct.* 43. 205.

Phalæna Noctua chrycoceras. Beck. in *Lin. Tr.* 2. 3. t. 2. f. 1. 3.

EXPANSIO alarum 1 unc. 6 lin.

DESCRIPTIO. Statura et magnitudo N. Rumicis. Caput et thorax virescentia, albo irrorata. Antennæ flavescens. Abdomen pallidum. Alæ viridi fusco alboque variæ macula magna, distincta, alba baseos ad marginem exteriorem, quæ strigam undatam, albam attingit. Pone maculas ordinarias striga undata, altera, alba. Versus apicem strigæ lineolis albis lunulisque atris. Fab. l. c.

Obs.

Obs. As our moth agrees admirably well with the above Fabrician description, I have preferred it to a new one; but must not omit to observe, that although it appears to be the ridens of Fab. it is not of the great Lepidopterist Hübner, who figures (but without letterpress) a different species under that name, and expressively calls our present one Xanthoceros; a word of the very same import as Mr. Beckwith's chrysoceras, which was published the same year, viz. 1794, as that of ridens of Fab.—Having used the above description of Fab. it became consistent also to use the name he has attached to it.

Obs. The location of this species also is probably more convenient than natural. Hübner arranges it near Rumicis: yet it materially differs from that in the Larva.

N. (The marbled Green) alis virescentibus lituris strigisque undatis nigro-albis, costa nigro punctata.

Noctua Lichenis. Fab. Ent. Syst. 3. 104. 312.

HABITAT in Muris Lichenosis prope Chelseiam copiose, Imago f. Jun. — Jul.

EXPANSIO alarum 1 unc.—1 unc. 1 lin.

DESCRIPTIO. Hæc species, colore valde variabilis est.

α. Alis læte viridibus, lituris magnis variis nigris, albo plus minus adnatis. Pone stigmata obsoleta, striga undata fere moniliformis alba, intus tenuè nigra, extus fusco late adnata. Tunc striga nigra ex punctis duobus magnis sagittatis confluentibus, intus albo plus minus adnata, ciliis nigro maculatis. Alæ posticæ fuscæ, marginem versus saturiores, ciliis albis.

Noctua Lichenis. Hüb. Schmet. Noct. 5. 21. Glandford

β. Minus virescens, characteribus nigris tenuioribus. Alæ posticæ pallidiores.

γ. Alis fere albidis, cæteris ut in præcedente.

δ. Alis sordide rufescentibus, posticis fuscis; cæteris ut in priore.

ε. Virescens, characteribus nigris fere oblitteratis.

ζ. Sordide sub-canescens, vix virescens, punctis posticis sagittatis, ciliarumque omnino oblitteratis; cæteris ut in ultimâ.

N. (The marbled Beauty) albis alis strigis undatis, stigmatibus maximis subovalibus fuscis, albo marginatis.

Noctua perla. Fab. Ent. Syst. 3. 104. 310.—Hüb. Schmet. Noct. 5. 25.

HABITAT

Lichenis.

118.

perla.

119.

HABITAT ad Muros antiquos apud Greenwich Park, copiose.
Larva in Lichenibus crustaceis. Imago Aug.

EXPANSIO alarum 1 unc.

DESCRIPTION. Præcedenti valde affinis at distincta. Alba, alæ anticæ costâ nigro punctatâ, strigisque undatis transversis nigris: una basi fere fracta: secunda ante medium: tunc stigmata ordinaria maxîma fusca, anteriore majore! tunc strîga tertia tenuissima: demum ordo punctorum obsoletorum nigrorum subconfluentium, et subinde subsagittatorum: denique strîga alia tenuissima in ipso margine ex lineolis minutissimis confertis nigris. Cilia alba ordine punctorum fuscorum. Alæ posticæ etiam albæ, lunulâ in medio, margine plus minus fusco; et sæpius ordine punctorum alborum, cilijs albis.

11. RUSTICÆ. Alis plus minus fuscis vel cinerascensibus, inornatis, stigmatibus ordinariis plerumque duobus, antennis subinde, plus minus pectinatis.

OBS. As Bombyx fuscus, denticulatus, and phæus, above enumerated, will rank more naturally at the head of the present section, of Noctuæ, (as I now find they have their tongue and palpi) than where I have placed them; they are here recapitulated. Of the former it remains to be observed, that the specimen described was much darker in its upper wings than several others I have since examined; and as it proves not to be a Dart, its english name is here altered. Denticulatus I have since received Hübner's figure of, as also that of phæus, but without letterpress, the former by the name of cinerea, the latter by that of tenebrosa. The female likewise of cinerea is figured, by which we learn that it is darker on the Continent than the male, in which it corresponds with an english specimen which I have seen alive.

† Alis (prima specie excepta) strigatis, nec fasciatis.

fusca.
120.

N. (The barred feathered Rustic)

Bombyx fuscus, supra, 119. 68.

OBS. The figures of Noctua trimacula of Hüb. Schmet. Noct. 30. 141. mas. 142. fœm. closely approach this species, especially the female figure, which however is still very distinct. This Noctua trimacula must not be confounded with

with the *Phalæna!* trimacula of Donovan, 352. 2. which is the female of a genuine Bombyx above described.

Obs. I now possess this species, from G. B. Sowerby, F. E. S.

N. (The feathered Rustic.)

Bombyx phæa. Marsh. M.S.

Bombyx phæus, supra, 133. 94.

phæa.

121.

94

N. (The light-feathered-Rustic).

Bombyx denticulatus, supra, 133. 95.

denticulata.

122.

94

N. (The neglected Rustic) alis pallide et sordide fuscis, strigis maculisque ordinariis saturatoribus.

Noctua neglecta. Hüb. Schmet. Noct. 34. 160.

HABITAT in Anglia: D. Francillon, et D. Phillips.

EXPANSIO figuræ Hübneri. 1 unc. 8 lin.

Obs. My friends Mr. Francillon, and Mr. Lee Philips of Manchester, have english specimens of this rare species, but the above is all the description, I possess of them.

neglecta.

123.

*

†

N. (The square-spot Rustic) alis subfuscis macula quadrata inter stigmata, strigisque obsolete tribus fuscis, unaque postica pallescente.

Noctua tetragona. Marsh. M.S.

Noctua tetragonina. Prod. Lep. Brit. 18. 159.

HABITAT. Imago Aug. Sepibus frequens.

EXPANSIO alarum. 1 unc. 4 lin.

DESCRIPTIO. Variat.

α. Pallide fusca ani barbâ lutescente. Alæ anticæ pallide fuscæ, strigis duabus undatis sive fractis fuscis ante medium: tunc stigmata ordinaria lutescentia: pone hæc striga arcuata pectinata, vel punctorum nigrorum: denique marginem posticum versus striga alia vix conspicua paulo undulata pallescens, ciliis fuscis. Posticæ alæ albicantes fimbriâ paulo saturatiore, ciliis lutescentibus.

Obs. Strigæ omnes subinde plus minus oblitteratæ sunt.

Noctua rubricosa. Hüb. Schmet. Noct. 91. 430.

Obs. This figure, which I have received without letterpress, since the Prodromus was printed, appears to represent, but not happily, the present variety: yet the description of *Noctua rubricosa* in Fabricius, does not agree, either with Hübner's figure or our specimens.

β. (The rusty Square-spot Rustic) thorace alisque griseis, sive sordide subferrugineis: posticis albo-lutescentibus, striga obsoleta pone medium punctorum subfuscorum aliaque cinerascente ad marginem posticum; cæteris ut in α.

γ. (The

tetragona.

124.

94

99

γ. (The bordered Square-spot Rustic) posticis alis fimbria lata fusca, cæteris ut in β. Forte propria species.

xanthogra-
pha.
125.

N. (The dotted Rustic) alis fuscescentibus strigis tribus obsoletis fuscis aliaque postica pallescente, stigmatibus albo marginatis.

Noctua Xanthographa. Hüb. Schmet. Noct. 29. 138.—Sed nec Fab. quæ forte ad Hemigeometram pertinet.

HABITAT rarissime apud nos. Imago in peridumetis: tempore oblito.

EXPANSIO alarum. 1 unc. 4 lin.

DESCRIPTION. Præcedenti simillima at distincta, sed vix differt nisi in stigmatibus minoribus, et in strigâ posticâ magis obsoletâ intus fusco latius adnatâ. Alæ posticæ albicantes. Exemplaria duo tantum vidi.

redacta.
126.

N. (The lesser dotted Rustic) alis griseis strigis tribus obsoletis fuscis, aliaque postica pallescente, stigmatibus albido marginatis.

Noctua depunctina. Prod. Lep. Brit. App. 7.

HABITAT apud nos infrequens, tempore oblito.

EXPANSIO alarum. 1 unc. 2 lin.

DESCRIPTION. Præcedente minor, et frequentior, at characteribus simillimis, sed paulo obsoletioribus. Alæ posticæ cinerascens, minus albicantes, præcipue in fœmina. Fœmina mare saturatior.

OBS. The chief difference of this, from the preceding, is that of dimensions: it is not much more than half the size, and does not seem to vary. In this obscure section, constancy of appearances, is of more consequence in determining a species, than a few variations in the markings. From Germany I have received it by the name of *Noctua depuncta*: but the *Noctua* so named in the Linnæan Cabinet is different; and not yet known to me as british.

egens.
127.

N. (The garden Rustic) alis fuscescentibus striga lata obsoleta postica stigmatibusque ordinariis fuscis.

HABITAT in Hortulo meo, rarius.

EXPANSIO alarum 1 unc. 2 lin.

DESCRIPTION. Præcedenti simillima at vix eadem. Alæ anticæ uniformiter fuscescentes, stigmatibus ordinariis fuscis distinctis, strigæque posticæ fusca, angustiore quam in sequente. Posticæ Maris ut in præcedente; Fœminæ pallidiores ut in præcedente.

88 ⁽²⁷⁾ *implies a*
Sepii.
128.

N. The Lesser Garden Rustic *Hüb. Schmet. 29. 138. 416?*

N. (The mottled Rustic) alis griseis nebulosis, fascia posticæ undata,

undata, stigmatibusque subdistinctis maculæformibus fuscis.

Noctua Sepii. Hüb. *Schmet. Noct.* 34. 161.

HABITAT in Hortulo meo frequens, Imago.

EXPANSIO alarum. 1 unc. 2-3 lin.

DESCRIPTIO. Alæ anticæ griseæ, nebulis variis, punctisque costalibus fuscis; striga una alterave tenuissima fusca, basi, alteraque pone stigmata. Posticæ præamplæ albæ strigæ marginali fuscâ, ciliis albidis tinctura lutei.

β Major alis longe saturatoribus.

γ Minor alis longe saturatoribus minus strigatis.

Obs. In the Linnæan Cabinet this Moth stands amongst the Noctuæ, ticketed "conspicillaris alter sexus" and along with it is the *Noctua cubicularis* of Hübner, whence it appears these two species have been confounded in that cabinet, although perhaps since the time of the elder Linnæus: for certainly neither of these insects have the least resemblance to his description of *conspicillaris*.

N. (The brown Rustic) alis fuscis tinctura grisei, strigis duabus certo situ in medio saturatoribus *obsoletissima.*

129.

HABITAT in Cantio ararissime, tempore oblito. Exemplaria duo tantum vidi.

EXPANSIO alarum. 1 unc. 3 lin.

DESCRIPTIO. Obscurissima omnium, at nihilominus valde distincta. Alæ primores anticæ, et ad marginem posticum, paululum pallidiores sunt; costa pallide punctata: strigæ in medio at distantes. Posticæ pallide fuscæ.

N. (The grey Rustic) alis cano subrufescentibus, strigis obsoletissimis punctoque medio fusco, posticis perfuscis.

lævis.

130.

Noctua Lævis. Hüb. *Schmet. Noct.* 34. 163.

HABITAT in Peridumetis prope Londinum at rarissime tempore oblito. Exemplaria duo tantum vidi.

EXPANSIO alarum. 1 unc. 4 lin.

DESCRIPTIO. Strigæ fere ut in *N. tetragona*, at tenuiores et obsoletiores, nisi lente vix conspicuæ. Stigma anticum deest; posticum reniforme, margine solo manifestatum basi puncto nigro. Cilia anticarum sordide rufescentia, posticarum pallidiora.

N. (The sordid Rustic) alis sordide-rufescentibus strigis duabus obsoletissimis punctoque pone medium fuscis.

sordida.

131.

Noctua sordida. Marsh. *M. S.*

HABITAT in Anglia rarissime.

EXPANSIO

*

†

8588
98

EXPANSIO alarum. 1 unc. 4 lin.

DESCRIPTIO. Alæ superiores rufescentes; pone medium strigæ duæ fere oblitteratæ. Stigmata ordinaria obsoletissima, margine solum vix conspicua; antèrius orbiculare evanescente exterius reniforme et ad latus interius fuscum. Ordo punctorum minutissimorum marginalis. Alæ inferiores pallidiores.

OBS. This description was made from Mr. Jones's Cabinet eight years since.

blanda.
132.

N. (The powdered Rustic) alis canescentibus fusco pulverulentibus, striga postica undulata rufo-fusca extus pallida.

Noctua blanda. *Fab. Ent. Syst.* 3. 48. 130.—*Hüb. Schmet. Noct.* 34. 162.

HABITAT prope Londinum rarissime, tempore oblito. Exemplarium unicum solum vidi.

EXPANSIO alarum. 1 unc. 4 lin.

DESCRIPTIO. Alæ anticæ minutim nebulosæ et fusco vel nigro pulverulentæ, præsertim humeros versus. Stigmata graciliora quam in præcedentibus, et valde exigua, antèrius fuscum punctiforme; exterius gracile sublunulæforme interne pallidum et fere in imo dorsi puncto minutissimo albo adnatum. Striga juxta marginem posticum fusca tincturâ rufedinis, extus pallida cinereaque. Margo ipse posticus punctulis fuscis subtrigonis, cillisque cinereo-fuscis. Posticæ albæ, venis margineque fuscis, cillis albis.

cubicularis.
133.

N. (The pale mottled Willow) alis canescentibus nebulosis, striga postica undulata ex punctis confertis triangulari-sagittatis rufis extus pallidis.

Noctua Cubicularis. *Hüb. Schmet. Noct.* 89. 417.

HABITAT in Salicetis et Hortis frequens. Imago m. Jun.

EXPANSIO alarum 1 unc. 2-3 lin.

DESCRIPTIO. Præcedenti valde affinis, at minor, alis obsoletissime strigatis fere ut in *N. tetragona*, stigmatè postico fusco. Margo posticus (ani angulo excepto) fuscus, antè ordinem punctorum fuscorum in ipso margine, cillis cinereis. Cætera ut in ultima.

β. Alis anticis absque strigâ fuscâ in postico margine.

γ. Paulo minor, stigis fere ut in *Noctua xanthographa*. Stigma anticum minutissimum punctiforme, vel subinde deest: posticum tenue reniforme, margine fusco solum conspicuum. Strigæ posticæ rufæ pallidæ et fuscæ præcedentium omnino desunt, cæteris ut in illis.

†† Alis plerumque fasciis fractis.

N. (The Crescent) alis ferrugineo-castaneis, macula angulata magna saturatiore fasciæformi in medio, in qua lunula alba. lunina.
134.

Noctua lunina. Prod. Lep. Brit. 19. 164.

HABITAT, Imago in sepibus Cantabrigiensibus, at rarissime.

Exemplaria tria solum vidi.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Alæ anticæ pallide castaneæ margine postico fusco. Stigmata ordinaria in superiore parte maculæ fasciæformis, quæ macula margines non attingit. Anterior stigma, rotundum margine pallescente solum conspicuum, subinde oblitteratum: exterius lunatum, album vel medio griseum. Margo posticus fasciâ tenui ustulato-fuscâ. Alæ posticæ fuscescentes.

N. (The Double-lobed) alis griseis fascia abbreviata marginis crassioris subdolabriformi nigra, in qua stigma reniforme griseum. biloba.
135.

Noctua biloba Marsh. M. S.

Noctua bilobina. Prod. Lep. Brit. 18. 147.

Noctua Ophiograma. Hüb. Schmet. Noct. 76. 355.

HABITAT apud nos valde infrequens. Imago m. Jul. Sepibus.

EXPANSIO alarum. 1 unc. 3-4 lin.

DESCRIPTIO. Caput, thorax, abdomen, alæque posticæ fuscescentia. Alæ anticæ griseæ, costâ omnino nigrâ, apice excepto: quæ nigrities in medio format maculam magnam semirotondatam, marginem tenuiorem versus emarginatam. Macula cuspidata nigra ad angulum ani, et alia minor angulata juxta marginem posticum.

Obs. Since this was published in the Prodromus I have received the above cited figure of Hübner, but without letter press.

N. (The flame Furbelow) alis ochraceis margine costali posticoque irregulariter late fuscis; stigmatibus reniformi niveo anticè, strigaque fusca. furca.
136.

Noctua furca. Marsh. M. S.

Noctua furcina. Prod. Lep. Brit. 19. 170.

HABITAT Imago i. Aug. Ripis.

EXPANSIO alarum 1 unc. 3 lin.

DESCRIPTIO. Præcedenti simillima, at alia, fasciâ costæ pallidiore, magis indefinitâ atque fractâ. Alæ posticæ fusæ.

β. Stigmatibus postico absque albo.

N. (The Russet) alis subrufis, margine crassiori posticoque irregulariter rava.
137.

E e

irregulariter

irregulariter late fuscis; stigmate reniformi niveo anticò, striga fusca.

HABITAT cum priore at rarior.

EXPANSIO alarum. 1 unc. 3 lin.

DESCRIPTIO. Ultima nimis affinis, at constans, alæ anticæ strigâ undatâ pallescente ante fuscum marginis postici, magis conspicuâ quam in prioribus duabus, tamen valde obsoletâ. Alæ posticæ saturate fuscae. Margo anticus stigmatis postici plus minus albo punctatus.

β. Stigmate postico absque albo.

Noctua Testacea. Hüb. Schmet. Noct. 29. 139?

lucipara.
138.

(The small Angle-shade) alis griseo-rufescentibus fascia in medio margineque postico fuscis, stigmate reniformi flavicante.

Noctua lucipara. Fab. Ent. Syst. 3. 99. 294.—Hüb. Schmet. Noct. 11. 55.

Phalaena Noctua lucipara. Lin. Faun. Succ. 1201.—Lin. Syst. Nat. 2. 857. 187.

Bombyx flavomacula. Fab. Mant. 2. 117. 104.

HABITAT. Imago f. Jun. Peridumetis valde infrequens.

EXPANSIO 1 unc. 3-4 lin.

DESCRIPTIO. Caput, thorax cristatus, ani barba, et fasciculi dorsales nigra, abdomen fuscum vel subinde flavo-rubescens. Alæ anticæ nitidæ, griseo vel cinereo rufescentes, sæpe paululum purpurascens, basi punctis paucis nigris: fascia in medio, angulata, in qua stigmata ordinaria, anticum pene oblitteratum, posticum ovale magnum flavicans, in sinu marginis exterioris fasciæ. Posticæ alæ fuscae, vel subinde cinereo-flavicantes.

secalina.
139.

N. (The small clouded Brindle) alis griseo fuscoque variis, strigis duabus pallidioribus, stigmatibus albicantibus.

Noctua Secalina. Hüb. Schmet. Noct. 89. 420.

HABITAT apud nos valde infrequens, f. Jun. paludosis. Exemplaria perpauca solum vidi.

EXPANSIO alarum. 1 unc. 4-6 lin.

DESCRIPTIO. Alæ anticæ griseo fuscoque variæ nebulosæ. In medio fascia fracta abbreviata saturatior, in qua stigmata ordinaria, anticum antrorsum inclinans, margine albo; posticum reniforme fuscum latius albo cinctum; inter hæc et marginem posticum macula angulata costalis subfusca, in qua puncta quatuor costalia alba. Posticæ fuscae ciliis rufis.

β. Alis anticis lineola longa nigra in medio fasciæ ut in sequente,

quente, stigmate antico oblongo magis antrorsum inclinante; posticis fuscis, ciliis rufo-cinereis.

- γ. Major, alis pallidioribus minus rufescentibus; stigmatibus majoribus albidioribus; lineola nigra medio validiore; posticis dilutioribus. Forte distincta species. Exemplarium unicum solum vidi, quod cepi pascentem vespere f. Jun. apud flores Iridis Pseudacori, prope Batterseiam, cum α.

N. (The Letter I) alis griseo fuscoque variis, litera I nigra in medio ramulum exerente.

HABITAT. Imago i. Aug. Ripis cum præcedentibus, frequens.

EXPANSIO alarum. 1 unc. 3-4 lin.

DESCRIPTIO. Valde variat.

α. Alæ griseæ, in medio fascia fracta nigro fusco cinereoque varia, in qua stigmata ordinaria, et lineola nigra ramulum antrorsum exerens, et literam I Romanorum simulans. Lineolæ duæ aliæ basi etiam nigre. Margo posticus maculis duabus semirotundatis subconfluentibus. Stigma reniforme ochraceum. Posticæ alæ fusce.

β. Alis fuscescentibus; stigmate reniformi niveo dorso strigae ejus fuscis. Forte varietas sequentis.

γ. Alis ravisatis stigmate reniformi niveo dorso strigae ejus ravis.

δ. Alis stigmatibusque ravis, cæteris ut in α.

ε. Alis ravo-purpurascensibus; stigmate reniformi extus in ipso margine lunula lutea, puncto albo utrinque terminata.

OBS. Some of the varieties of this species so nearly approach the *Noctua Secalina* of Hüb. Schmet. that I formerly conceived they were the same. When neighbouring species abound in varieties, it becomes difficult to separate them correctly.

N. (The common Rustic) alis cinereo-fuscis vel griseis, nebulosis, obsolete strigatis, stigmate reniformi niveo.

Phalena Noctua oculea Lin. *Faun. Suec.* 1215.

Phalena Noctua nictitans Villars. *Ent.* 2. 220. 203.

Noctua 4 puncta Fab. *Ent. Syst.* 3. 22. 46.

Noctua Phæbe Marsh. *M. S.*

Noctua Phæbina Prod. *Lep. Brit.* 18. 148.

HABITAT, in Hortis et Ripis, vulgaris. Imago. i. Aug.

EXPANSIO alarum, 1 unc. 3-5 lin.

DESCRIPTIO. Præcedenti nimis affinis, at notabiliter differt absentia literæ I nigre.

I-niger.
140.

oculea.
141.

In coloribus valde variat.

- α. Alis fuscescentibus nebulosis, strigis duabus in medio pallidioribus obsoletissimis, et inter has colore saturatiore atque stigmatibus ordinariis, postico niveo. Alis posticis fuscis.
- β. Priore differt stigmate reniformi subfusco puncto unico luteo aliisque pallidis.
- γ. Alis tinctura subrufa, vel ferruginea, stigmate reniformi niveo.
- δ. Alis tinctura subrufa, stigmate postico cinereo puncto luteo, aliisque albis.
- ε. Alis cinereis et marginem crassiorem versus magis saturatioribus quam in prioribus, posticè fascia lata pallidiore tincturâ obsolete rufescente. Stigmata ordinaria cinerea margine albido. Forte propria species.

OBS. I believe I received this variety from Mr. Salt of Sheffield, but am not certain: if not, I bought it in a mixed lot at a sale.

OBS. The name *oculea* but ill applies to this species.

lugens.
142.

N. (The Rustic Mourner) alis nigris, sub-nebulosis, stigmate reniformi niveo.

Noctua lugens Marsh. M. S.

Noctua lugensina. Prod. Lep. Brit. 18. 149.

Noctua nictitans. Hüb. Schmet. Noct. 20. 97. nec Lin. Faun. Succ.

HABITAT Ripis. Imago i. Aug. at rarissime. Exemplaria tria solum vidi.

EXPANSIO alarum 1 unc. 3-4 lin.

DESCRIPTIO. Præcedentibus affinis at absolute niger nebulis atris; stigmatibus reniformi niveo, punctulis paucis albis adjacentibus minutissimis. Juxta marginem posticum striga undata obsoletissima, punctorum pallidiorum. Posticæ alæ fusæ.

OBS. It is extremely probable that some of the species of this obscure section, which are given above as non-descripts, have already been enumerated by Fabricius or others: but until that is satisfactorily ascertained; it is better to describe them as new, than to run the risque of confounding them with others, accompanied by notes of interrogation.

12. MINORES. Statura minore quam in cæteris.

OBS. Perhaps this section, and the last subdivision would have arranged better nearer the Brocades.

N. (The minor Shoulder-knot) alis canescentibus cinereo fuscoque nebulosis, lineola basi atra.

scripta.
143.

Noctua Scripta. Hüb. *Schmet. Noct.* 10. 50.

HABITAT apud nos valde infrequens. Imago Jun. Sylvis.

EXPANSIO alarum. 1 unc. 2 lin.

DESCRIPTIO. Antennæ setacæ. Alæ canæ nitentes, cinereo nubilosæ, nebulis nigris. Stigmata ordinaria tria in medio, marginibus nigris interruptis solum conspicua. Margo ipse posticus ordine lineolarum nigrarum confertarum, ciliis canis. Alæ posticæ canæ, strigâ nigra in ipso margine fere integra ciliis canis.

β. Antennæ breviter pectinatae. Alæ longe saturatiores quam in α; posticæ fuscae, vel fuscæ strigâ marginali magis interruptâ, ciliis cinereis.

OBS. Abdominis barba lateraque, et lineolæ duæ costales, maculaque parva basi marginis tenuioris læte purpurascunt. Forte sexus alter. Forte propria species. Exemplarium unicum quod apud Coomb Wood cepi, solum vidi.

N. (The rosey Minor) alis glaucis striga postica flexuosa rosea, lineolis literæformibus in medio, nigris.

literosa.
144.

HABITAT in Comitatu Norfolciense, Imago. f. Jul. Hortis. Communicavit primo ejus captor Rev. J. Burrell.

EXPANSIO alarum. 11 lin.

DESCRIPTIO. Stigmata in medio ut in ultima, at longe obsoletiora, margine nigro fracto solum conspicua; qui margo format lineolas literæformes nigras.

N. (The marbled Minor) alis cinereo griseoque variis nebulosis, posticè strigisque tribus undatis albis, nigro adnatis.

præduncula.
145.

Noctua Præduncula. Hüb. *Schmet. Noct.* 20. 95.

Phalena Noctua strigilis. Lin. *Faun. Suec.* 1199.

HABITAT apud nos rarissime.

EXPANSIO alarum 1 unc. 1 lin.

DESCRIPTIO. Penultimæ pene magnitudo. Alæ anticæ striga

strigâ basi nigrâ extus albâ; tunc aliâ albâ extus nigrâ. Tunc stigmata cinerea ordinaria, et pone hæc, striga tertia alba arcuata nigro quasi tenuè pectinata, tandem fascia lata alba. Margo posticus fusco griseoque nebulosus, ciliis fuscocinereis. Posticæ alæ fuscæ ciliis fusciscentibus.

strigilis.
146.

N. (The minor Beauty) alis cinereo griseoque variis nebulosis; posticè strigisque tribus albis, exterioribus (strigis) per lineolam nigram connexis.

Noctua strigilis. *Fab. Ent. Syst.* 3. 102. 304 ?

Phalena Noctua strigilis. *Lin. Faun.* 1199 ?

— *Lin. Syst. Nat.* 2. 851. 161 ? —

— *Villars Ent.* 2. 231. 223 ?

HABITAT. Imago Sepibus Jul. at infrequens.

EXPANSIO alarum 1 unc.

DESCRIPTIO. Præcedenti paulo minor, sed vix differt nisi in lineola nigra connectente, quæ constans est in omnibus varietatibus. Variat.

α. Spatio inter stigmata ordinaria fusco-cincta, griseo, sive rufescente.

β. Macula quadrata nigra inter stigmata ordinaria.

γ. Alis magis griseo, sive rufescente suffusis, fascia postica alba, macula grisea in ejus medio, maculaque quadrata nigra inter stigmata ordinaria.

Obs. This variety appears to be the connecting link between the preceding and following species; yet it is best to keep them distinct: because the same principles which would unite them, would likewise sink nearly all the articles of the present, or any other very natural section, into one species. They have all the same lines and marks, and in the same places throughout, differing only in intensity and colour. To join them into one would be a capital error, no less indeed than that of mistaking a section for a species!

latruncula.
147.

N. (The tawny marbled Minor) alis rufo-cinereis nebulosis medio saturatoribus.

Noctua Latruncula. *Hüb. Schmet. Noct.* 20. 94.

HABITAT cum prioribus. Imago Jul. vix frequens.

EXPANSIO alarum 1 unc. 1 lin.

DESCRIPTIO Variat.

α. Statura N. Prædunculæ, et nimis ei affinis: differt alis anticis undique subrufo-cinereis; posticis perfuscis ciliis rufescentibus fusco maculatis.

β. Statura sequentis et nimis ei affinis, minor quam α, coloribus

ribus saturatoribus, alis magis nigro nebulosis; posticis perfuscis, ciliis pallidioribus.

N. (The Blackmoor) alis omnibus nigris, anticis atro nebulosis.

æthiops.
148.

HABITAT, Imago f. Jun. Septis, frequens.

EXPANSIO alarum 1 unc.

DESCRIPTIO. Variat.

α. Totus niger, alis anticis medio aliquot saturatoribus nebulis atris.

β. Alis fuscis, vel fusciscentibus, medio saturatoribus nebulis nigris. Longe pallidior quam α.

N. (The cloaked Minor) alis æqualiter antice fuscis, posticè cinereo-albidis, margine postico fusco; posticis fuscis basi cinerascentibus.

humeralis.
149.

HABITAT. Imago Jul. sepibus frequens.

EXPANSIO alarum 10-12 lin.

DESCRIPTIO. Mirabiliter variat.

α. Alis anticis a basi ad medium fuscis vel nigris, tunc late albidis, et nebulosis strigâ undatâ pallidâ in fasciâ marginali irregulari fuscâ: antennis fuscis.

β. Nigredine anticarum alarum albedine fracto, alis postice magis cinereis.

γ. Nigredine anticarum pene evanescente, cæteris ut in ultimâ.

N. (The founced Minor) alis fusco-rufescentibus margine postico undatim nigricante, antennis ferrugineis.

terminalis.
150.

HABITAT cum prioribus at rarior. *N. puruscula* Hub. Noct. 117. 545

EXPANSIO alarum 10-13 lin.

DESCRIPTIO. Variat.

α. Ultimæ nimis affinis sed absque albedine. Alæ anticæ medio vix nebulosæ, sed uniformiter rufescentes, posticæ perfusæ, ciliis cinereis.

β. Prioribus major, antennis pallide ferrugineis, alis anticis fusco-rufescentibus absque albedine, in medio solum paulo saturatoribus, vel potius nigro pulverulentibus; posticis cinereis fimbriâ latissimâ fuscâ. Forte propria species.

N. (The middle-barred Minor) alis rufis, in medio fascia lata saturatiore stigmatibus ordinariis pallidioribus interrupta.

fasciuncula.
151.

HABITAT, frequens cum prioribus.

EXPANSIO alarum 10-12 lin.

DESCRIPTIO.

DESCRIPTIO. Variat.

α . Thorax, alæque anticæ saturate rufæ, fascia magna brunnea marginem tenuiorem versus, valde attenuata et albo obsolete marginata; margo posticus fascia tenuiore rufo-brunnea, ciliis rufo-fuscis. Posticæ alæ nigræ ciliis albis, interdum cinereis.

β . Longe pallidior, alis cano-rufescentibus, fascia ut in α , sed rufo-fusca; posticis nigris, ciliis cinereis.

rufuncula.
152.

N. (The plain-red Minor) alis toto rufis, strigis tribus obsolete pallidioribus.

HABITAT apud nos valde infrequens cum prioribus. Primo communicavit ejus captor Dom. W. J. Hooker, ex comitatu Norfolciense.

EXPANSIO alarum 12 lin.

DESCRIPTIO. Thorax, abdominis barba, alæque anticæ rufa, strigis duabus rectis medio, alterâque undatâ juxta marginem posticum pallidioribus, at nisi lente vix conspicuis, et interdum plus minus obliterated. Posticæ rufo-fuscæ, ciliis rufis. In ipso margine postico anticarum, lente, ordo punctorum nigrorum lunato-triangulorum.

minima.
153.

N. (The least Minor) alis rufo-cinereis, maculis duabus ordinariis strigisque tribus pallidioribus.

Noctua minima. Prod. Lep. Brit. 19. 172.

HABITAT rarissime apud nos. Imago m. Aug. Sylvaticis. Exemplarium unicum solum vidi, quod in Cantio cepi.

EXPANSIO alarum 8 lin.

DESCRIPTIO. Omnium minima hujus generis. Alæ anticæ strigâ rectâ ante medium albâ, lineolis nigris intersectâ et inde submoliformi. Tunc stigmata ordinaria maculæformia rotunda; inter hæc macula fusca usque per costam: tunc striga alia arcuata alba, priori simillima; demum striga latior undata pallida ad marginem posticum; ciliis cinereis. Posticæ fuscæ, ciliis albis.

13. PSEUDO-BOMBYCES. Antennis sæpissime plus minus pectinatis. Alis tristigmatiferis, tertio stigmateliformi.

Obs. Since the Bombyces of this work were published, it has been discovered by repeated examinations, that the whole section TRISTIGMATIFERI, notwithstanding the contrary opinion of various authors, are genuine Noctuæ of the present family, and resemble true Bombyces in nothing but their strongly pectinated antennæ. Wherefore that section necessarily merges in the present one: and that it may do so as correctly as practicable; the names of its species are here under repeated, and referred to their preceding descriptions, and the new ones incorporated with them and described. Proper advantage is likewise taken to improve the locations of such as admit it,

N. (The small Sword-grass).

Bombyx spiniferus. *Supra*, 114. 51.

spinifera.
154.

Obs. Fœmina mari simillima, vel paululum saturatior, antennis setaceis.

Obs. 2. Donovan's fig. 3. pl. 345. agrees with this, except in wanting the essential spine-shaped mark in the sinus of the reniform stigma, a character I have not seen in any other moth, except the following, (which is perhaps only a variety of its female) and two from New Holland,

N. (The dark Sword-grass) alis griseis fusco-nebulosis, fascia lata medio fuliginosa, stigmatel postico unispinoso.

Noctua suffusa. *Fab. Ent. Syst.* 3. 71. 201.—*Hüb. Schmet. Noct.* 28. 134. *Fam.* *British?*

suffusa.
155.

HABITAT apud nos valde infrequens: ~~et etiam in America Georgia.~~

EXPANSIO alarum 2 unc.

DESCRIPTIO. Præcedente major, et longissime saturatior, antennis omnino setaceis. Exemplaria anglicana quatuor solum vidi fœminæ, mârem nunquam: igitur forte varietas fœminæ.

Obs. 2. This is to Donovan's figure 3. pl. 345; what the last was to his figure 2 of the same plate, and also disagrees in that being too small; which, however, is almost always the case with his figures.

- margaritosa*. N. (The pearly Underwing) alis griseo cinereis nebulosis, stig-
156. matibus tribus ordinariis, subobliteratis, macula apicis
pallidiore: posticis fuliginoso-albis tinctura violacei, venis,
marginæque postico, angulum ani præcipue versus fuscis.
HABITAT apud nos valde infrequens, apud Solanos tuberosos.
Imago f. Sept.
EXPANSIO alarum. 2 unc.
- majuscula*. N. (The dark pearl Underwing) alis griseo-fuscis vel piceo-
157. nigris, stigmatibus tribus subobliteratis: posticis fuliginoso-
albis tinctura violacei, venis marginæque postico, angulum
ani versus præcipue, nigris.
HABITAT apud nos rarissime. Exemplaria duo in Musæo
J. Hatchett solum vidi.
DESCRIPTIO. Mas antennis paululum pectinatis; Fœmina
setaceis. Priori mimis affinis staturâ, magnitudine, et fere
in omnibus.
- corticca*. N. (The pointed Dart).
158. *Bombyx corticcus*, supra. 116. 59. excluso synonymo Hübneri,
quæ potius ad *B. clavigerum* pertinet.
OBS. I have still seen but one specimen of this, and one of the
following species. They are both males, and may perhaps
belong to females already known by other names, this how-
ever further experience only can satisfactorily determine;
for, as already observed, it is not allowable to unite differing
creatures together as sexes, without proper authority. It
being a far more pardonable error in a writer to enumerate
them separately, accompanied by his doubts. Nature her-
self revolts at the former error, and good sense well knows
the latter, in this intricate science, to be often unavoid-
able.
- connexa*. N. (The chain-shot Dart).
159. *Bombyx connexus*, supra. 116. 53.
- venosa*. N. (The broad-veined Dart).
160. *Bombyx venosus*, supra. 116. 60.
♂. This may possibly be the male, as it has strongly pecti-
nated antennæ, but it wants the broad conspicuous veins
of α , whose antennæ are setaceous.
- spinula*. N. (The brindled Dart).
161. *Bombyx spinulus*, supra. 115. 57. exclusis synonymis Dono-
vani et Hübneri.
N. (The

05

majuscula
157.

†

corticca
158.*connexa*
159.*venosa*
160.*spinula*
161.

N. (The

- N. (The black Dart). *Bombyx nigricornutus*, *supra*. 117. 62. *nigricornuta*. 162.
- N. (The necklace Dart). *Bombyx monileus*, *supra*. 115. 56. *monilea*. 163.
- Obs. It is probable the three last may all belong to one species; and the next differs from the last in nothing material, except the striga recta, instead of the striga undulata, postica punctorum, which however seems sufficient. Nevertheless I have not met with intervening specimens which authorize me to sink them into varieties. They belong to a most difficult section, and are not yet well known.
- N. (The dark Dart). *Bombyx subatratus*, *supra*. 116. 61. *subatrata*. 164.
- N. (The pectinated Dart). *Bombyx pectinatus*, *supra*. 115. 55. *pectinata*. 165.
- N. The brindled Heart and Club). *Bombyx Segetis*. *Hüb. Schmet. Noct.* 31. 146? *Bombyx catenatus*, *supra*. 114. 52. *catenata*. 166. *Segetis*
var.
- N. (The Heart and Club). *Bombyx clavigerus*, *supra*. 114. 52. *clavigera*. 167. *2485*
- N. (The brown Heart and Club). *Bombyx subfuscus*, *supra*. 114. 53. *subfusca*. 168.
- N. (The Heart and Dart) *alis anticis fuscis vel rufescentibus, exclamationis. strigis tribus stigmatibusque nigris.* 169.
- Noctua exclamationis. Fab. Ent. Syst.* 3. 70. 198.—*Hüb. Schmet. Noct.* 51. 149.
- Phalæna Noctua exclamationis. Lin. Faun. Succ.* 1190.—*Lin. Syst. Nat.* 2. 850. 155.
- HABITAT Imago, f. Jun. Ripis, volatu celeri.
- EXPANSIO alarum 1 unc. 6-8 lin.
- DESCRIPTIO. Antennæ minus pectinatæ quam in præcedentibus hujus sectionis, at nullo modo in mare setaceis. Alæ variant.
- α. Alæ anticæ fuscæ vel fuscescentes costâ subinde tincturâ purpurei. Striga basi imperfecta repanda nigra, interdum pallido adnata; altera simillima ante medium quæ exserit stigma teliforme nigrum vel atrum: tunc stigma anterius ordinarium annulare pupillâ nigrâ: tunc reniforme latum, vel

vel fere cordiforme etiam nigrum: tandem striga arcuata denticulata extus pallida; denique striga quarta undata itidem pallida juxta marginem posticum, quæ subinde evanescit. Alæ posticæ maris, albæ costâ margineque cinereis, ciliis lutescentibus; fœminæ fuscæ basi cinerascens.

β. Alis rufescentibus, posticis fœminæ basi albis.

γ. Alis utroque sexu longe saturatioribus strigis magis oblitteratis, posticis fœminæ perfuscis, basi cinereis.

picea.
170.
*

N. (The pitchy Dart) alis piceo-nigricantibus stigmatibus ordinariis rotundatis nigris.

HABITAT in Comitatu Surrejano, tempore obliito. Communicavit ejus captor amicus Rev. S. Bale, F.L.S.

EXPANSIO alarum 1 unc. 3 lin.

DESCRIPTIO. Præcedenti nimis affinis. Differt, longe minor, alis saturatioribus absque strigis. Stigmata duo antica oblonga; tertium stigma subrotundum, nec ullo modo reniforme vel cordiforme. Posticæ alæ omnino fuscæ ciliis albis. Exemplarium unicum fœminæ solum vidi.

crassa.
171.
*

N. (The Stout Dart) alis fuscis nitidis atro subnebulosis, corpore prægresso.

Noctua Crassa. Hüb. Schmet. Noct. 32. 152.

HABITAT in Comitatu Norfolciense. Imago m. Aug. Hortis. Communicavit ejus captor Rev. J. Burrell.

EXPANSIO alarum 1 unc. 7-8 lin.

DESCRIPTIO. Antennæ omnino setaceæ. Thorax perfuscus antice rufescens. Alæ basi, lineolâ nigrâ, vel atrâ, aliisque irregularibus inter et circa stigmata ordinaria obsoleta. Stigma tertium imperfectum vel interdum omnino oblitteratum. Sæpe strigæ obsoletissimæ pallidiores ordinariæ plurimarum Noctuarum, fusco plus minus adnatæ, viz. una basi, altera ante, tertia pone stigmata, quartaque juxta marginem posticum pallida absque fusco. Alæ posticæ albidæ venis fimbriâque fuliginosis. Exemplaria perpauca solum vidi.

augur.
172.

N. (The double Dart) alis fusco-rufescentibus strigis characteribusque atris.

Noctua Augur. Fab. Ent. Syst. 3. 61. 170.—Hüb. Schmet. Noct. 31. 148.

Noctua cincta Marsh. M. S.

Noctua cinctina. Prod. Lep. Brit. 17. 130.

HABITAT. Imago, i. Jul. Ripis.

EXPANSIO alarum 1 unc. 7-8 lin.

DESCRIPTIO.

DESCRIPTIO. Antennæ omnino setaceæ, quæ valde infrequens per sectionem. Alæ anticæ fuscæ, vel fusco rufescentes, strigâ dentatâ baseos, secundâ ante medium valde dentatâ; tunc annuli duo irregulares atrî pro stigmatibus: tunc stigma reniforme margine late nigro, at cinereum in medio: tunc striga extus arcuata postica, ex arcubus fuscis minutis composita: demum fascia aliquot saturatior. Posticæ alæ fuscæ tincturâ rufedinis.

N. (The dark Rustic) alis nigricantibus, nigro pallidoque varie strigatis, stigmatibus duobus ordinariis flavo cinctis.

Noctua Fumosa. Hüb. Schmet. Noct. 32. 153?

HABITAT apud nos rarissime, tempore oblito.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Præcedentibus, antepenultimâ exceptâ, longe minor. Sequentem vix differt nisi in absentia stigmatis teliformis, et in striga arcuata, quæ stigma reniforme fere tangit. Antennæ maris paulo pectinatæ.

N. (The Garden Dart) alis nigricantibus strigis, stigmatibusque tribus pallidioribus.

Noctua Nigricans. Fab. Ent. Syst. 3. 115. 346.

Phalæna Noctua nigricans. Lin. Faun. Suec. 1220.—Lin. Syst. Nat. 2. 855. 178.

HABITAT. Imago in Hortis i. Jul.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Antennæ maris paulo pectinatæ. Alæ anticæ strigâ rectâ ante, secundâque arcuatâ ultra stigmata obsoletissima pallida medio saturatiora. Stigma tertium margine nigro solum conspicuum. Alæ posticæ albæ, margine, lunulâ medio, venisque fuliginosis.

β. Macula triangulari atra ante, alteraque quadrata inter stigmata ordinaria.

γ. Alis longe pallidioribus vel fuscis, striga tertia postica punctorum pallidiorum, quæ in præcedentibus nisi lente vix conspicua.

δ. Alis rufo-fuscis stigmatibus tribus validioribus magisque flavicantibus in utroque sexu, quam in præcedentibus varietatibus.

ε. Alis sordide rufis, strigis obsoletioribus, stigmate postico omnino oblitterato.

Bombyx chrysostrigatus. Prod. Lep. Brit. 9. 54.

N. (The rufous Dart) alis sordide rufis stigmatibus tribus strigisque flavicantibus.

Noctua

fumosa.
173.

nigricans.
174.

ruris.
175.

Noctua Ruris. Hüb. Schmet. Noct. 89. 416.

Am. Noctua ruris. Fab. Ent. Syst. 3. 125. 378?

HABITAT apud nos rarissime. Exemplaria duo solum vidi.

EXPANSIO alarum 1 unc. 7 lin.

DESCRIPTIO. Forte mera fœmina ultimæ varietatis, at longè major, strigis stigmatibusque validioribus.

dubia.

176.

*
†

N. (The white line) alis fuscis vel nigris, strigis stigmatibusque ordinariis saturatoribus, strigaeque alia postica conspicua undulata alba.

HABITAT in Anglia. D. Francillon.

OBS. Simillima penultimæ, at vix varietas.

obeliscata.

177.

*

N. (The Square-spot Dart) alis rufis macula atra trigona ante, alteraque tetragona inter stigmata pallida.

Noctua Obeliscata. Hüb. Schmet. Noct. 26. 123?

HABITAT in Cantio rarissime. Exemplarium unicum solum vidi.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Statura exacte penultimæ at fere absque strigis.

Antennæ pectinatæ. Stigma teliforme nigro cinctum est, et ad basin alæ fere excurrit. Margo posticus undulatim paulo saturator. Alæ posticæ albido-flavicantes fimbriâ angustiore ciliisque rufescentibus.

sordida.

178.

†

N. (The striped square-spot) alis fuscis strigis quatuor submoniliformibus pallidis.

Noctua Sordida. Hüb. Schmet. Noct. 32. 154.

HABITAT in Cantio rarissime. Exemplarium unicum solum vidi.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Antennæ pectinatæ. Præcedenti affinis at alæ minus rufæ, strigis quatuor conspicuis pallidis nigro vel fusco utraque et subundulatim marginatis, et inde moniliformibus; duabus ante, tertiâ pone stigmata. Quarta striga juxta marginem posticum, undata, ex punctis confluentibus subflavis. Macula triangularis fusca ante, alteraque tetragona inter stigmata. Stigma tertium fere ut in ultima, at pallidius. Alæ posticæ albicantes, fimbriâ, lunulâ medio, venisque fuliginosis.

valligera.

179.

N. (The wedge-bar'd Dart) alis rufo-fuscis stigmatibus tribus, strigaeque postica cuneorum fuscorum.

Noctua Valligera. Hüb. Schmet. Noct. 32. 150.

HABITAT

HABITAT valde infrequens apud nos; Imago, i. Jul. Hortis.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Maris antennæ pectinatæ. Ultima satis differt in strigis longe obscurioribus, et in striga postica ex maculis acutissimis cuneiformibus fuscis. Maculæ fuscae ad stigmata pallida ut in præcedente. Alæ posticæ albæ, margine venisque fuliginosis. Fœmina magis grisea antennis setaceis, absque fuscidine ante et inter stigmata. Alæ posticæ minus albæ.

OBS. Either this or the following if memory deceives not, is the Phalæna Tritici of Linnæus's cabinet, but probably not of his works.

N. (The white-line Dart) alis rufescentibus stigmatibus tribus strigaeque postica cuneorum nigrorum, lineaque alba longitudinali.

albilinea.
180.

HABITAT in Hortis at infrequens, Imago i. Jul.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Præcedenti nimis affinis. Differt in coloribus saturatoribus, et præcipue in linea rectissima tenuissima alba, a basi alæ per basin stigmatum, aliaque albida crassior etiam a basi alæ per apices stigmatum. Macula cuneata atra pone, alteraque teträgona inter stigmata albida medio cinerea. Stigma teliforme margine atro conspicuum. Cætera ut in præcedente.

N. (The lineolated Dart) alis rufescente subfuscis stigmatibus tribus, strigaeque postica lineolarum nigrarum.

lineolata.
181.

HABITAT in Anglia rarissime. In Musæo amici D. Jones.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Præcedenti simillima, at satis differt longitudine stigmatum teliformis, et potissimum, in striga postica nec cuneorum circiter septem, sed lineolarum nigrarum confertarum, circiter duodecim.

N. The shuttle-shaped Dart).

Bombyx radius, supra. 119. 67.

radia.
182.

OBS. Aug. 8. 1808. I have just seen a female specimen of this, which was taken yesterday in St. James's Park: am now acquainted with it in at least five cabinets; and possess it myself.

N. (The pupilled Dart).

Bombyx pupillatus, supra. 118. 65.

pupillata.
183.

OBS. I now possess this species.

N. (The

sagittifera. N. (The Archer's Dart).
184. *Bombyx sagittiferus*, *supra*. 118. 66.
Obs. Varietas β . forte distincta est, alis pallidioribus.

subgothica. (The Gothic Dart) alis griseo-fuscis, costa late at dimidiatim,
185. stigmatibusque pallidis.

HABITAT in Angliã valde infrequens. In Musæis tribus solum vidi.

EXPANSIO alarum.

DESCRIPTION. Præcedentibus affinis absque punctis posticis sagittatis. Stigma anticum subtriangulare, posticum reniforme: ante et inter hæc arcus niger qui reversus apparit in alis expansis. Stigma teliforme prægrande a basi fere ad medium, sed lineolis duabus divaricatim transversis inter ruptum. Posticæ pallidæ fimbriâ fuscâ.

graminis. N. (The Antler).
186. *Bombyx gramineus*, *supra*. 117. 64.

Ericæ. N. (The Lover's knot) alis rufescentibus albo nigroque variegatis.

Noctua Ericæ. Marsh. M. S.

Noctua Ericina. Prod. Lep. Brit. 18. 151.

HABITAT in Ericetis. Imagó f. Jul.

EXPANSIO alarum 11-13 lin.

DESCRIPTION. In vespere volat, at per diem, profundissime dormitat. Pulcherrima species, antennis setaceis. Alæ anticæ cinereo-rufescentes, nigro nebulosæ, costâ nigro alboque punctatâ. Striga torta, sive lineolæ albæ nexæ basi; tunc stigma rotundo-oblongum album, et reniforme cinereum albo-cinctum, atque teliforme cinereum; subtus hæc lineola longa alba: tunc striga arcuata et dentata alba, strigaque alia lineolarum albarum juxta marginem posticum; ordine punctorum nigrorum in ipso margine, ciliis rufescentibus. Posticæ cinerascens ordine lineolarum nigrarum marginali, ciliis cinereis.

14. RURALES, alis sæpius griseis atro subtus costam plerumque signatis.

baja. N. (The dotted Clay) alis griseis subnebulosis, obsolete strigatis, macula nigra costali sub apicem.

188.

Noctua Baja. Hüb. Schmet. Noct. 25. 119.

HABITAT, Imagó Peridumetis. i. Aug. at valde infrequens.

EXPANSIO

EXPANSIO alarum 1 unc. 8 lin.

DESCRIPTIO. Alæ anticæ strigæ variæ punctorum fere obliteratorum. Stigmata obsoleta, anticum annulo pallido, nigro paulo adnato, solum conspicuum: exterius stigma reniforme ustulatum, margine pallido. Posticæ rufo griseæ, margine saturatiore, ciliis rufis. Fœmina mare saturatior, strigis obsoletioribus.

N. (The purple Clay) alis purpurascens fascia postica subundulata saturatiore, stigmate postico flavo.

Noctua Brunnea Hüb. *Schmet. Noct.* 26. 121.

HABITAT cum præcedente.

EXPANSIO alarum 1 unc. 7 lin.

DESCRIPTIO. Ani barba lateraque abdominis rufa. Alæ anticæ basin versus strigis obsoletis punctisve nigricantibus. Macula quadrata atra inter stigmata: stigma anticum rotundum margine flavo nigroque: posterius reniforme, et medio sæpe cinereum, basi nigrum, unde excurrit striga et subinde sesquialtera obsoleta fuscescens. Tunc fascia postica purpureo-fusca, quæ costam versus flavescit. Alæ posticæ ex rufo-fusca, ciliis rufis.

β. Alis fusco-purpurascens fuliginosis, fascia postica undulata saturatiore maculisque, duabus nigris.

HABITAT in Norfolkicæ Peridumetis, tempore obliito. Communicavit primò ejus captor Rev. J. Burrell. Exemplaria duo solum vidi.

EXPANSIO alarum. 1 unc. 7 lin.

DESCRIPTIO. Alæ fuliginosæ. Maculæ trapeziformes nigrae, una ante, altera inter stigmata fuliginosa, margine tenuissime flavo solum conspicua. Posticæ alæ fusco-fuliginosæ, ciliis cinereis. Abdomen fuscum ani barbâ rufo-cinereâ.

N. (The double Square-spot) alis griseo-purpurascens atro maculatis; stigmatum marginibus strigisque quatuor pallidis nigro adnatis.

Noctua Sigma. Panz. *Faun. Germ. cum icone.*

Noctua Ditraperium. Hüb. *Schmet. Noct.* 24. 113.

HABITAT cum præcedentibus. Imago, i. Aug.

EXPANSIO alarum 1 unc. 7 lin.

DESCRIPTIO. Abdomen fuscum, ani barbâ rufâ. Alæ anticæ strigis quatuor ordinariis pallidis obsoletis; viz. duabus ante, duabusque aliis pone stigmata margine subluteo nigro adnato conspicua. Macula atra ante, alteraque inter stigmata ut in ultima: macula alia parva basi, et quatuor vel quinque costales, una parum major juxta apicem, exacte ut in N. Baja, quæ ad strigam quartam attingat.

G g

β. Alis

brunnea.
189.

Sigma.
190.

β. Alis albidis vel albicantibus, characteribus fere ut in α.

C. nigrum. 191. N. (The setaceous hebrew-character) alis fuscis lineola basi, aliaque costali sub apicem, arcuque grosso extus pallido, atris.

Noctua C. nigrum. *Fab. Ent. Syst.* 3. 65. 183.—*Hüb. Schmet. Noct.* 24. 111.

Phalæna N. C. nigrum. *Lin. Faun. Succ.* 1193—*Lin. Syst. Nat.* 2. 852. 162.

HABITAT. Imago i. Jun. Ripis, at rarius.

EXPANSIO alarum, 1 unc. 4-5 lin.

DESCRIPTIO. Sequenti simillima at omnino distincta, antennis setaceis. Thorax fuscus, antice pallidus. Alæ anticæ costâ a basi ad medium etiam pallidâ, strigis ordinariis fere oblitteratis. Stigma anticum rotundum iidem pallidum in sinu arcûs, pallido costæ omnino confusum. Stigma reniforme griseum, basi nigricante, posticæ parti arcûs junctum. Alæ posticæ albido-lutescentes, margine ipso cinerascente.

gothica. 192. N. (The hebrew Character).

Bombyx gothicus supra, 119. 69.

OBS. As this species is now found to possess the true characters of a *Noctua*, it is here, notwithstanding its strongly pectinated antennæ, recapitulated.

plecta. 193. N. (The flame Shoulder) alis fusco-purpureis, costa a basi ad medium, strigmatibusque subflammeis.

Noctua plecta. *Fab. Ent. Syst.* 3. 65. 182.—*Hüb. Schmet. Noct.* 25. 117.

Phalæna Noctua plecta. *Lin. Faun. Succ.* 1216.—*Lin. Syst. Nat.* 2. 851. 157.

HABITAT. Imago, f. Jun.—i. Sept. Ripis at infrequens.

EXPANSIO alarum 1 unc. 3 lin.

DESCRIPTIO. Thorax fusco-purpurascens, antice pallidus. Alæ anticæ læte fusco-purpureæ, lineolâ atrâ basi, aliâque spiniformi in medio, priori fere junctâ, stigmatibus interruptâ. Stigma anticum exiguum est rotundum et album: posticum parvum cordiforme cinereum. Juxta marginem posticum striga undulata obsolētissima pallescens. Posticæ alæ albæ ciliis flavicantibus.

festiva. 194. N. (The ingrailed Clay) alis griseis subferrugineisve nebulosis, maculis angulatis saturatoribus nigrisve ad stigmata.

Noctua Festiva. *Hüb. Schmet. Noct.* 24. 114. 99. 467. 8. 9

HABITAT. Imago-i. Jul. peridumetis.

EXPANSIO

EXPANSIO alarum 1 unc. 5 lin.

DESCRIPTIO. Variabilis species.

α. Thorax cinereus vel rufescens. Ani barba rufo-ferruginea. Alæ anticæ basin versus pallidiores, strigis duabus ordinariis punctoque ferrugineis vel fuscis: tunc stigmata ordinaria margine imperfecte fusco conspicua, maculâ quadrangulari ferrugineâ interjectâ. Subtus stigma anticum punctum nigrum: tunc alæ griseo ferrugineoque variæ sunt, strigis ordinariis duabus posticis confusis. In ipso margine ordo punctorum nigrorum, ciliis omnibus ferrugineis. Costa fusco pallidoque punctata ut in plurimis. Alæ posticæ cinerascens lunulâ medio, strigâque pone medium, margineque saturatoribus. In basi stigmati postici macula fusca.

β. Alis magis ferrugineis basin versus minus pallidis, strigis ordinariis posticis distinctioribus, macula atra jam trigona, jam subrhombea ante; alteraque quadrata inter stigmata; alis posticis fere fuscis striga pone medium saturatiore; cæteris ut in α.

N. (The rufous Clay) alis rufis vel rufo-purpureis, strigis ordinariis stigmatibusque pallidioribus.

subrufa.
195.

HABITAT cum præcedentibus.

EXPANSIO alarum 1 unc. 5 lin.

DESCRIPTIO. Præcedenti valde affinis, at alæ in mare magis rufæ, caracteribus omnibus obscurioribus, stigma reniforme dorso, maculæ oblongæ fuscæ adnatum. Fœmina purpurascit, stigmatem postico superne flavicante. Cætera ut in N. festiva.

N. The Barred chesnut) alis griseo-ferrugineis macula inter stigmata fasciæque postica castaneis.

Noctua Erythrocephala. Hüb. Schmet. Noct. 37. 176.

HABITAT apud nos rarissime, tempore oblito. Exemplarium unicum solum vidi.

erythrocephala.
196.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Præcedentibus duabus certe affinis. Differt staturâ minore, maculâ inter stigmata rufo-castaneâ vix quadratâ, sed magis rotundâ, denique fasciâ fusco-castaneâ parum undulatâ inter stigmata et marginem posticum. Alæ posticæ perfuscæ, lunulâ in medio, nigrâ. Cætera ut in præcedentibus.

N. (The rosy-Rustic) alis roseis vel subfuscis, fusco-strigatis, medio saturatoribus.

cyprica.
197.

Noctua Cyprica. Hüb. Schmet. Noct. 46. 244. 224.

HABITAT

HABITAT apud nos valde infrequens, tempore oblito. Imago Ripis.

EXPANSIO alarum 1 unc. 5 lin.

DESCRIPTIO. Alæ anticæ striga recta basi, secunda ante medium arcuata et costam versus unangulata; tunc stigma rotundum, et oblongo-reniforme, marginibus fuscis solum conspicua; et pone hæc usque ad strigam tertiam fascia fusca, quæ tamen costam vix attingit: tunc striga quarta postica undulata et fere omnino oblitterata: tandem in ipso margine striga tenuissima fuscescens, ciliisque cinereo-fuscis tincturâ roseâ. Posticæ albidæ strigâ in medio fuscâ.

β. Alis magis fuscis et fere absque tincturâ roseâ: posticis cinerascentibus lunulâ mediâ, strigâque pone medium fuscis.

6-strigata.
198.

N. (The 6-striped Rustic) alis griseo-roseis strigis sex fuscis.

HABITAT apud nos infrequens, Imago Peridumetis, m.

Aug. *Noct. Umbra* *Hüb. Noct. 97. 456. 457.*

EXPANSIO alarum 1 unc. 5 lin.

DESCRIPTIO. Præcedenti valde affinis, at satis distincta; alæ apice rotundiores; striga secunda magis undulata: fascia pone stigmata deest, at strigam habet fasciæ formem a basi stigmati postici ad marginem tenuiorem. Color inter stigmata usque ad costam saturatior est. Striga quarta pone stigmata magis arcuata: et striga quinta longe validior, et fere fasciæformis. Sexta striga est tenuissima in ipso margine postico. Alæ posticæ magis cinereæ, fimbriâ saturatiore.

punicea.
199.

N. (The small Square-spot) alis griseo-roseis fusco strigatis, macula quadrata inter stigmata, aliaque costali sub apicem fuscis.

Noctua Punicea. Hüb. Schmet. Noct. 25. 115.

HABITAT infrequens prope Londinum. Imago Ripis, tempore oblito.

EXPANSIO alarum 1 unc. 3-4 lin.

DESCRIPTIO. Præcedentibus minor, strigis obsoletioribus. Stigmata ordinaria pallidiora marginibus sæpe lutescentibus. Pone stigmata striga ordinaria arcuata extus adnata maculæ quadratæ costali. Prope basin stigmati antici punctum nigrum solitarium. Margo posticus parum fuscescit. Alæ posticæ cinerascentes, ciliis rufescentibus, ut in plurimis hujus sectionis.

β. Alis strigis validioribus, quarto fere ad stigmata, margine postico fasciâ tenui fuscâ.

Obs. This appears to be the same as the above-cited figure in Hübner's

Hübner's beautiful work: but it represents a larger and higher-colored specimen than ours, as indeed is frequently the case with his other figures.

15. CASTANEÆ. Alis plus minus castaneis, vel ferrugineis.

† Abdomine supra convexo.

N. (The bright-eyed Clay) Alis maris griseis, fœminæ rufis, puncto medio albo, strigaeque arcuata postica punctorum minutissimorum fuscorum.

Noctua grisea. *Fab. Ent. Syst.* 3. 69. 193.

Noctua unipuncta. *Marsh. M. S.*

Noctua unipunctina. *Prod. Lep. Brit.* 15. 71.

HABITAT. Imago Peridumetis, i. Jul.

EXPANSIO alarum 1 unc. 5-6 lin.

DESCRIPTIO. Thorax maris griseus, fœminæ rufus, abdomine pallido. Alæ fere unicolores. Stigma anticum nullum, et tantum punctum album parvum loco basis stigmatis postici. Posticæ alæ fuscae ciliis rufis.

grisea.
200.

PP

SP

N. (The Satellites) alis rufo-castaneis fusco strigatis, lunula media alba inter punctula duo etiam alba.

Noctua Satellitia. *Fab. Ent. Syst.* 3. 87. 256.—*Hüb. Schmet. Noct.* 38. 182.

Phalœna Noctua satellitia. *Lin. Syst. Nat.* 2. 855. 176

HABITAT. Imago f. Sept. Peridumetis, infrequens.

EXPANSIO alarum 1 unc. 5-6 lin.

DESCRIPTIO. Abdomen valde depressum, cinereo-rufescens. Alæ strigis fuscis ordinariis fere ut in *Noctua*, sexstrigata, at marginali striga angulatim undata est. Stigma anticum deest: posticum exiguum album lunulæforme, punctulo parvo albo contiguo superne, alioque inferne. Posticæ alæ nigricantes ciliis rufis.

β. Lunula media punctisque duobus contiguis flavicantibus, nec albis.

γ. Lunula media punctisque duobus contiguis fuscis.

satellitia.
201.

95

IP

N. (The founced Chesnut) alis rufis, fasciis duabus strigaeque saturatoribus.

Phalœna Noctua helvola. *Lin. Faun. Suec.* 1142.

Noctua rufina. *Fab. Ent. Syst.* 3. 33. 77.—*Hüb. Schmet. Noct.* 38. 184.

helvola.
202.

133

Noctua

Noctua ferruginea. Marsh. M. S.

Noctua ferruginea. Prod. Lep. Brit. 15. 74.

HABITAT. Imago peridumetis, m. Sept.

EXPANSIO alarum 1 unc. 4-5 lin.

DESCRIPTIO. Alæ basi fasciâ undatâ, tunc stigmata ordinaria obsoletissima pallidiora, et inter hæc striga saturator: tunc fuscia latior postica, ex maculis oblongis confluentibus. Posticæ alæ fuscæ, costa late flavicante, margine postico ciliisque rufis.

lunosa.
203.

N. (The lunar Underwing) alis griseo-rufescentibus striga valida postica punctorum nigrorum, posticis albis lineola maculisque tribus fuscis.

HABITAT in Com. Norf. communicavit amicus Rev. J. Burrell. Exemplaria duo solum vidi.

EXPANSIO alarum 1 unc. 5 lin.

DESCRIPTIO. Affinis præcedenti at longe pallidior. Stigmata ordinaria valida fusca, anteriore ovali introrsum spectante. Tunc striga subundata obsoletissima pallescens, strigaeque alia punctorum nigrorum validorum; et inter hanc et strigam, color saturator. In ipso margine postico striga alia punctorum fuscorum. Posticæ albæ, lineolâ basi, quæ terminat in lunula conspicua fusca medio alæ. Prope marginem posticum macula una alterave fusca. Striga ciliari interrupta nigra.

rubiginea.
204.

N. (The dotted Chesnut) alis ferrugineis punctis numerosis irregularibus fuscis.

Noctua Rubiginea. Hüb. Schmet. Noct. 38. 183. *N. fignina* Espe

HABITAT, apud nos rarissime.

EXPANSIO figuræ Hübneri. 1 unc. 3 lin.

OBS. I have seen an English specimen of this; but possess no regular description of it.

sphærolatina. N. (The beaded Chesnut) alis ferrugineis strigis numerosis punctorum nigrorum.

205.

N. sphærolatoria. Marsh. M. S.

N. sphærolatina. Prod. Lep. Brit. 15. 75.

HABITAT, apud nos infrequens, Imago f. Sept. Peridumetis.

EXPANSIO alarum 1 unc. 4-6 lin.

DESCRIPTIO. Alæ ferrugineæ costâ fusco punctatâ strigisque decem vel duodecim punctulorum fuscorum: viz. una basi imperfecta, secunda ante medium geminata, quarta obscura a stigmate postico: tunc quinta undata geminata, et inter hanc et apices ciliarum quatuor vel sex aliæ confertæ, at

at regulares et æquidistantes. Stigmata ordinaria oblonga divaricata, nigra, vel grisea. Alæ posticæ perfusæ ciliis rufis.

Obs. This may possibly prove a variety of the preceding, and differs chiefly in having its spots disposed in a more regular manner.

N. (The pale Beaded-chesnut) alis pallide ferrugineis, strigis quinque obsoletissimis punctorum subfuscorum.

Noctua Pistacina. Hüb. *Schmet. Noct.* 28. 131.

Noctua serpunctata. Marsh. *M. S.*

Noctua serpunctina. *Prod. Lep. Brit.* 15. 76.

HABITAT apud nos valde infrequens.

EXPANSIO alarum 1 unc. 5 lin.

DESCRIPTIO. Præcedenti nimis affinis, et forte mera ejus varietas. Strigæ omnes obsoletissimæ et fere oblitteratæ, at costa punctis validis fuscis, tribus in medio, quarto apicem versus; punctisque duobus aliis oblongis loco stigmatum divaricatorum. Posticæ fusæ ciliis rufis.

pistacina.
206.

N. (The dark Beaded-chesnut) alis saturatissime ferrugineis, strigis punctorum fasciisque duabus posticis fuscis,

Phalæna lineola. Don. *Brit. Ins.* 360. f. 2.

HABITAT apud nos infrequens.

EXPANSIO alarum 1 unc. 3-5 lin.

DESCRIPTIO. Præcedentibus nimis affinis, et forte varietas; at alæ longe saturatiores sunt. Strigæ duæ obsoletissimæ punctorum fuscorum ante stigmata divaricata oblonga: striga tertia a stigmate postico: tunc fascia obsoletissima saturator, aliaque in ipso margine. Cætera ut in penultima, at stigmata obsoletiora et fusco-brunnea.

Obs. As both the sexes of all the three preceding species are now before me, it has been judged best not to consider them as mere varieties of one species; although they may eventually so prove: and even the next article which is a male, may possibly also belong to them. A full knowledge of the Larvæ is the only circumstance that can enable us to decide satisfactorily. In an extensive collection, naturally arranged, the danger of mistaking a subdivision for a single species, and its supposed varieties, is greater than that of accepting real varieties for genuine species.

N. (The iron Chesnut) alis saturatissime ferreis punctis sex nigris.

HABITAT rarissime apud Wisbeach. Exemplarium unicum solum vidi. Communicavit ejus captor Gul. Skrimshire.

EXPANSIO alarum 1 unc. 3 lin.

ferrea.
208.

DESCRIPTIO. Alæ saturatissime ferruginæ unicolores, maculis sex nigris exceptis, in locis ipsis punctorum penultima speciès. Posticæ alæ nigræ ciliis rufis.

venosa.
209.

N. (The veiny Chesnut) alis sordide ferrugineis strigis duabus pallidioribus; margine postico late fuscescente venis ferrugineis obsolete intersecto.

HABITAT apud nos valde infrequens.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Præcedentibus simillima at distincta. Alæ anticæ puncto imperfecto basi, tunc striga obsoleta pallida ante, alteraque arcuata pone stigmata oblonga obsoleta divaricata fulvo-cincta. Pone has strigas alæ fuscescunt usque ad cilia grisea. Striga fusca obsoleta excurrit oblique a basi stigmatis postici, usque ad strigam anticam in margine tenuiori, quæ huic speciei forte peculiaris est. Alæ posticæ fuscæ ciliis cinereis, nec rufis.

litura.
210.

N (The brown-spot Pinion) alis griseo-fuscis, lituris seu punctis quinque costalibus nigris.

Noctua litura. Fab. Ent. Syst. 3. 108. 326.

Noctua Litura. Hüb. Schmet. Noct. 27. 127.

Phalæna Noctua litura. Lin. Faun. Suec. 1213.

Noctua costina. Prod. Lep. Brit. 15. 77.—et *liturina* App. 6.

HABITAT infrequens apud nos. Imago f. Sept. Peridumetis.

EXPANSIO alarum 1 unc. 3-5 lin.

DESCRIPTIO. Alæ litura costali transversa atra basi, alia etiam costali punctiformi ante medium, strigæ undulatæ simplici vel geminatæ sæpe connexa; tunc litura tertia et quarta opposita stigmatibus ordinariis fuscescentibus albido cinctis: ex his fasciola obsoleta subfusca subinde excurrit a costâ usque ad marginem tenuiorem: tandem litura costali quinta juxta apicem, quæ sæpe fasciam fuscescentem terminat in obsoletissimam at perfectam. Alæ ultra stigmata saturatiora: et stigma posticum semper saturatius. Posticæ alæ ciliisque fuscis.

OBS. This species accords pretty well with the above cited description in Fauna Suecica; but it is by no means the same insect as *Noctua litura* of the Linnæan Cabinet, which Dr. Smith has twice obligingly permitted me to examine.

rufa.
211.

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N. (The red-Chesnut) alis rufis, costa usque ad medium pallidiora, strigis quatuor undulatis stigmatibusque ordinariis obsoletiusculis: posticis fusco-rufescentibus ciliis rufis.

Noctua

Noctua rufa. *Trans. Ent. Soc. Lond. pars 2, cum icone.*

HABITAT in Anglia rarissime. Imago f. Mar. Urticetis. J. Hatchett.

OBS. This agrees in size with the preceding, but is very distinct. I have not yet satisfactorily ascertained it to be a described species: but suspect it to be in the works of Fabricius.

†† Abdomine valde depresso.

N. (The Chesnut) Abdomine depresso, alis ferrugineis venosis fusco strigatis, strigaeque postica punctorum fuscorum.

Vaccinii.
212.

Noctua Vaccinii. *Fab. Ent. Syst. 3. 23. 51.—Hüb. Schmet. Noct. 37. 177.*

Phalena Noctua Vaccinii. *Lin. Faun. Suec. 1212.—Lin. Syst. Nat. 2. 852. 166.*

HABITAT. Imago m. Sept. Peridumetis.

EXPANSIO alarum 1 unc. 3-4 lin.

DESCRIPTIO. Antennæ, thorax, abdomen depressum, alæque anticæ obtusissimæ venis pallidioribus, sordide ferruginea; striga fusca pallido adnata ante, alteraque arcuata pone stigmata; præterea tertia striga fusca etiam arcuata inter stigmata: pone has strigas ordo punctorum fuscorum, cum duobus aliis obsoletis fere marginalibus quasi macularum; ultima harum in ipsis ciliis fusco-ferrugineis. Stigmata ordinaria margine saturatiore solum conspicua, at posticum basi nigrum est. Alæ posticæ fuscæ, ciliis rufis.

N. (The netted Chesnut) abdomine depresso, alis fusco-ferrugineis reticulatim pulverulentibus.

polita.
213.

Noctua Polita. *Hüb. Schmet. Noct. 37. 178.*

Noctua nitida. *Fab. Ent. Syst. 3. 31. 75?*

HABITAT apud nos rarissime. Exemplarium unicum, solum vidi.

EXPANSIO alarum 1 unc. 3 lin.

DESCRIPTIO. Præcedenti omnibus simillima, sed alis magis fuscis, strigis venisque reticulatim cinereo-pulverulentibus.

N. (The dark Chesnut) abdomine depresso, alis fusco-spadicæ vix nebulosis, stigmate postico basi fusco.

spadicæ.
214.

Noctua Spadicæ. *Hüb. Schmet. Noct. 37. 179.*

Noctua castanea. *Marsh. M. S.*

Noctua castanina. *Prod. Lep. Brit. 15. 79.*

HABITAT cum penultima, at longe rarior. Imago m. Sept. Peridumetis.

EXPANSIO alarum ~~3-4 lin.~~ 1 unc. 3-4 lin.

DESCRIPTIO. Subspadicæ alæ anticæ fere unicolores, at paululum

H h

paululum fusco subnebulosæ, costa postice punctis paucis pallidioribus ut in plurimis. Cætera ut in præcedentibus.

β. Minor, alis magis strigatim nebulosis.

subnigra.
215.

N. (The black Chesnut) abdomine maris subdepresso, alis castaneo-nigris fascia pallida postica subinterrupta, ex maculis confluentibus.

HABITAT apud nos rarissime. Exemplaria duo solum vidi, unum ex ejus captore Rev. J. Burrell.

EXPANSIO alarum 1 unc. 3 lin.

DESCRIPTIO. Abdomen minus depressum quam in ultimis tribus. Thorax et alæ anticæ unicolores, costâ postice parum albido punctulatâ. Posticæ fuscæ, ciliis vix rufescentibus.

95
OBS. The last four autumnal species, and more especially their males, have the same depressedly-flattened abdomen as *Noctua satellitia*; but they are far smaller, and have much rounder, and nearly retuse upper wings concolorous with the head and thorax: and their underwings are brown, with rufescent fringes.

16. AUREOLÆ. Alis plus minus aureis vel ferrugineis, strigis fasciisve saturatoribus, antennis ferrugineis.

ochraceago.
216.

N. (The frosted Orange) alis aureis rufo dense irroratis, fasciis duabus rufo-fuscis.

Phalæna Noctua Ochracea. Hüb. Beit. 1. 1. 2. M.

Noctua flavago. Hüb. Schmet. Noct. 39. 186. et 187. nec flavago Fab.

Phalæna Lappæ. Don. Br. Ins. 10. 340. 1.

Noctua Lappina. Prod. Lep. Brit. 14. 55.

134
HABITAT. Larva in medullâ Arctii Lappæ. Puppa inter pabulum. Imago m. Sept. Lappæcis.

EXPANSIO alarum 1 unc. 6-7 lin.

131
DESCRIPTIO. Thorax cristatus cinereo-fuscus maculis quatuor ferrugineis. Alæ anticæ fasciâ rectâ rufo-fuscâ juxta basin, et vix ultra hanc strigâ obscurâ ferrugineâ; tunc stigmata ordinaria flava ferrugineo parum irrorata: subtus hæc, stigma tertium exacte parabolicum et strigæ superdescriptæ connexum: tandem fascia postica rufo-fusca extus dentata, intus marginata lunulis obsolete confluentibus aureis. Inter hanc fasciam et marginem posticum, color saturator quam ante fasciam, sed apex flavescit. Cilia rufo-fusca. Posticæ alæ albidæ lunulâ mediâ, strigis duabus obsolete fuscis-

fuscescentibus, strigâque aliâ lunulatâ ipso margine, et ciliis cinereo-fuscis.

N. (The bordered Sallow) alis ferrugineis strigis rufo-fuscis, posticis luteo-albidis, basi, lunula media, fimbriaque fuscis. *marginago.*
Noctua marginata. *Fab. Ent. Syst.* 3. 88. 260.—*Syst. Ent.* 610. 217.
85. Spec. Ins. 2. 230. 108.—*Mant. Ins.* 2. 166. 209.—
Donov. Br. Ins. t. 150.

Noctua marginago. *Prod. Lep. Brit.* 14. 64.

HABITAT in Cantio, at valde infrequens.

EXPANSIO alarum 1 unc. 6 lin.

DESCRIPTIO. Strigæ alarum subæquidistantes, prima basi extus parum arcuata, secunda flexuosim biangulata; tertia extus angulatim arcuata inter stigmata ordinaria, marginibus fusco-rufis solum conspicua: quarta marginis obliqua, et pone hanc color paulo saturatior: tunc striga quinta quasi ex lunulis vel arcubus fuscis: demum sexta striga tenuissima in ipso margine postico: denique cilia cinerascens, apicesque eorum late purpurei. Fimbria fusca posticarum alarum, strigâ cinereo-rufâ terminata est, ciliisque albidis.

β. Alis anticis a basi ad strigam secundam paulo saturatioribus quam in medio.

Noctua rutilago. *Fab. Ent. Syst.* 3. 75. 214.—*Hüb. Schmet.*
Noct. 39. 185. *Prod. Lep. Brit.* 14. 62.

OBS. Mr. Donovan, under this species in his *British Insects*, criticises the great entomologist Fabricius, for happening to give the name of *marginata* to an American *Noctua*, (since altered to *marginella*) whilst it was occupied by the present species; a most easy oversight this, amidst such an immensity of specific names. Fabricius, however, afterwards committed a greater error concerning this insect, in enumerating *Noctua rutilago* without making *marginago* synonymous, for it hardly appears to amount even to a variety.

When the *Prodromus* was printing I possessed but one bad specimen of *rutilago*, with the shoulder very slightly dark; and another still worse, but answering better to Mr. Donovan's figures, so readily fell into the mistake which is above rectified.

N. (The barred Sallow) alis aureis rufo-nebulosis, fasciis duabus rufescentibus. *aurago.*
Noctua aurago. *Fab. Ent. Syst.* 3. 74. 211.—*Hüb. Schmet.* 218.

Noct. 41. 196. et 197.

Noctua Rutilago. *Hüb. Beut.* 1. 2. fig. L.

HABITAT,

HABITAT, apud nos infrequens, Imago f. Aug.? Sylvaticis.

EXPANSIO alarum 1 unc. 4-5 lin.

DESCRIPTIO. Thorax rufus. Alæ parum-nebulosæ, fasciâ lobata basi: stigmata ordinaria macularia rufa. Margo posticus fasciâ latâ crenulatâ rufescente, medio (fasciæ) strigâ aureâ quæ striga ad apicem dilatata est in maculam flavam. Posticæ alæ albidæ strigâ posticâ margineque ciliari rufis.

β. Alis fascia postica saturatiore.

centrago.
219.

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†

N. (The centre-barred Sallow) alis aureis medio fascia unangulata margineque postico subfuscis.

HABITAT apud nos rarissime.

EXPANSIO alarum *N. Xerampelina* *Hüb. Noct. 9a. 424.*

OBS. I possess no regular description of this rare and beautiful species, which is very closely allied to the Noctua Xerampelina of Hübner; exists in the rich cabinet of Mr. Francillon, and has lately been taken in Norfolk by an acute entomologist, my friend the Reverend T. Skrimshire, F. E. S.

flavago.
220.

N. (The pink-barred Sallow) thorace antice subfusco, alis aurantiis, punctis, maculis, fasciaque maculosa obliqua pone medium, purpurascensibus.

Noctua flavago. *Fab. Ent. Syst.* 3. 76. 218.

Noctua Silago. *Hüb. Beit. Noct.* 40. 191.

HABITAT apud nos infrequens. Imago f. Sept. Sylvaticis.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Caput et thorax cristatus antice, fusco-rufescentia, thorax postice aurantius. Alæ macula magna prope basin, litura in medio, punctis variis costalibus, punctisque aliis variis, et præcipue transversis purpurascensibus, ciliis purpureis. Stigmata ordinaria propria desunt, sed in loco basis postici punctum rotundum fuscum. Alæ posticæ albæ, ciliis flavicantibus.

fulvago.
221.

N. (The common Sallow) alis læte aureis nebulosis, fasciis duabus maculosis valde interruptis rufo-fuscis.

Noctua fulvago. *Fab. Ent. Syst.* 3. 73. 208.

Noctua Cerago. *Hüb. Schmet.* 94. 444.

Phalæna Noctua fulvago. *Lin. Faun. Suec.* 1173.

Noctua rubago. *Donov. Brit. Ins.* 348. 27. sed longissime pulchrior quam nostris exemplaribus.

HABITAT cum præcedente. Imago frequens f. Sept. Sylvaticis.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Caput et thorax cristatus læte aurea, punctis duobus rufis. Alæ fasciâ basi subinterruptâ; tunc nebulae variæ: tunc fascia pone medium valde interrupta ex maculis, strigisque confluentibus lunularum subrufarum, terminata ordine punctorum conspicuorum fuscorum prope apicem. Alæ posticæ albæ, ciliis sulphureis.

Obs. Mr. Donovan thinks his *Phalæna rubago* is "new and undescribed" and unique; but it appears to me to be merely the common Sallow, the fulvago of Linnaeus.

β. Alis anticis omnino pallidioribus.

Noctua Cerago. Hüb. *Schmet. Noct.* 40. 190.

HABITAT apud Coomb Wood. Imago f. Sept. Sylvaticis. Varietas vix casualis.

γ. Alis fasciis magis confluentibus, saturatoribus.

N. (The lemon Sallow) alis sulphureis fulvo vix nebulosis, puncto pone medium strigaeque postica punctulorum fuscorum.

Noctua gilvago. Fab. *Ent. Syst.* 3. 76. 219.

Noctua Cerago. Hüb. *Schmet. Noct.* 94. 445.

HABITAT apud nos rarissime, Imago. Exemplaria quatuor solum vidi.

EXPANSIO alarum 1 unc. 3-4 lin.

DESCRIPTIO. Præcedenti certe affinis, at longissime pallidior, et absque fasciis maculosis, et fere absque nebulis; puncto sive annulo incompleto loco basis stigmatis postici; strigaeque juxta apicem ex punctis circiter sex fuscis minutissimis. Posticæ ciliisque absolute albis.

N. (The dusky Sallow) alis cinereis fasciis tribus fuscis, posticis fimbria nigra.

N. Randæna Hüb. *Noct.* 39. 92

Noctua citrina. Don. *Br. Ins.* 10. 340. 2.

HABITAT apud nos rarissime. Imago Jul. Ericetis. Communica-verunt ejus captores, C. Abbott, D. D. et Dom. W. J. Hooker.

EXPANSIO alarum 1 unc. 4-5 lin.

DESCRIPTIO. Alæ anticæ cano cinereoque variæ, puncto fusco costali basi; tunc macula fusca quadrata etiam costalis quasi fascia abbreviata, tunc fascia transversa valde interrupta, tandem fascia tertia postica oblique transversa. Cilia alba cinereo maculata. Posticæ fuscescentes seu cinereæ fimbriâ nigrâ, ciliis albis.

Obs. Having seen the specimens from whence the above-cited figure

131
gilvago.
222.
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citrina.
223.
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figure was taken, I believe I am correct in citing it: but it does not by any means accord with my specimens.

renago.
224.

N. (The dark heart Moth) alis fusco ferrugineoque variis, stigmatibus tribus, basi et medio costæ, fasciaque marginali flavis.

Noctua renata. Fab. Ent. Syst. 3. 85. 251.

HABITAT apud nos valde infrequens.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Sequenti simillima, at vix eadem, alis longe saturatoribus. Flavedo costæ secta est lineolâ ferrugineâ basi, tribusque aliis in medio. Fascia marginalis composita est ex maculis regularibus confertis, at distinctis. Stigma anticum rotundum, posticum cordiforme, tertium lineola crassa est. Alæ posticæ albæ.

ferruginago.
225.

N. (The heart Moth) alis flavicantibus ferrugineo varie fasciatis, strigatis et subreticulatis, stigmatibus tribus flavis, postico cordiforme.

Noctua Ferruginago. Hüb. Schmet. Noct. 41. 195.

Noctua Oo. Fab. Ent. Syst. 3. 84. 247.

Phalæna Bombyx Oo. Lin. Faun. Succ. 1139.

HABITAT apud nos infrequens. Imago Mai. Truncis.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Præcedenti nimis affinis, at pallidior, præcipue in medio anticarum alarum. Alæ posticæ albæ. Antennæ maris nudo oculo pectinatæ.

citrago.
226.

N. (The orange Sallow) alis læte et saturate ferrugineis, strigis marginibusque stigmatum rufo-fuscis.

Noctua citrago. Fab. Ent. Syst. 3. 75. 215.—Hüb. Schmet. Noct. 39. 188.

Phalæna Noctua citrago. Lin. Faun. Succ. 1174.

HABITAT infrequens, Larva in Tiliâ. Imago. i. Aug. Tiliacis.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Strigæ et stigmata exactè ut in N. marginago, at striga quinta et sexta ejus fere omnino oblitteratæ sunt. Posticæ alæ luteo-albidæ.

croceago.
227.

N. (The orange Upperwing) alis stigmatibusque aurantiis, strigis punctisque fuscis, abdomine maris prædepresso.

Noctua croceago. Fab. Ent. Syst. 3. 73. 209.—Hüb. Schmet. Noct. 40. 189.

Phalæna Noctua Fulvago. Hüb. Beit. t. 1. f. F.

Phalæna aurantiago. Don. Br. Ins. 150. figura superior.

OBS.

HABITAT apud nos, at infrequens, Imago, f. Feb. f. Ap. f. Jun. Sylvaticis; et forte autumnò, et per hyemem Sicci-foliis.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Thorax valde cristatus fusco-rufus. Costa anticarum punctis sex conspicuis albis subæquidistantibus, at pone stigmata immunis. Alæ ante stigmata vix strigatæ, sed tantum puncto vel nebulâ unicâ alterâve fuscâ. A basi stigmati postici, striga obliqua fusca, aliaque postica obsoleta inter ordines duos punctorum fuscorum. Posticæ albæ undula transversa in medio rosea, at sæpe obsoleta.

Obs. Mr. Donovan thinks that the last cited figure "is certainly a nondescript," and it possibly may be so, for it is very much smaller than any of the numerous specimens I have inspected, of this species, only measures an inch in expanse; and likewise differs in some other respects.

N. (The angle-striped Sallow) alis aureis, striga unangulata ante, alteraque pone stigmata ordinaria subferrugineis.

angulago.
228.

Noctua angulago. Trans. Ent. Soc. Lond. pars 2, cum icone.

N. Fulvago. Hüb. Schmet. Noct. 41. 198. 199. nec. Linnæi.

HABITAT apud nos rarissime, Imago f. Jul. Sylvis.

EXPANSIO alarum 1 unc. 6 lin.

Obs. I have only seen three English specimens of this fine species.

N. (The brown-line Bright-eye) alis ferrugineis puncto trigono medio albissimo inter strigas duas fuscas.

conigera.
229.

Noctua conigera. Fab. Ent. Syst. 3. 113. 341.—Hüb. Schmet.

Noct. 46. 222.—Hüb. Beit. 4. 4. f. Z.

HABITAT, apud nos vix frequens, Imago f. Jul. Peridumetis.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Caput, thorax, alæque ferruginea. Stigmata ordinaria obsoletissima pallidiora; conâ parvâ albissimâ a basi stigmati postici introrsum spectante. Striga fere rectangularata ante medium, alteraque obliqua postica paululum undulata. Cilia omnia alæque posticæ plus minus ferruginea, basi sæpe parum albicantia.

N. (The brick Moth) alis testaceis strigis quatuor saturatioribus, punctoque fusco basi stigmati postici.

macilenta.
230.

Noctua Macilenta. Hüb. Schmet. Noct. 89. 418.

Noctua unimaculina. Prod. Lep. Brit. 15. 70.

HABITAT, Imago. Sept. Ulmosis, infrequens.

EXPANSIO alarum 1 unc. 5 lin.

DESCRIPTIO. Antennæ masculinæ paulo pectinatæ, caput, thorax,

thorax, alæque anticæ testacea, strigis obsoletissimis, primâ basi sæpe evanescente, secundâ flexuosâ ante, tertiâ ex arcubus evanescentibus pone stigmata, quartâ posticâ parum undulatâ cæteris magis conspicuâ rufescente, pallido paululum marginatâ. Stigmata ordinaria marginibus solum conspicua, at posticum basi fuscum. Inter hæc striga subfusca obsoleta at cæteris crassior transit a costâ ad marginem tenuiorem. Posticæ alæ fuscæ lunulâ medio saturatiore, costâ late albidâ, ciliis rufis.

Obs. Since the Prodrômus was printed I have received Hübner's figure, but not letter-press of this species.

erythrostigma.

231.

*

N. (The red Dot) alis griseo-rufescentibus, strigis variis tenuissimis saturatiorebus, stigmate rotundo, reniformique rufis.

HABITAT. Pupa in Equino stercore in Pascuis. Imago Autumnô. Prope Londinum rarissime; apud Margate frequentior: J. Hatched.

EXPANSIO alarum 1 unc. 4 lin.

Obs. Antennæ setacæ crassæ. Alæ posticæ subfuscæ ciliis rufescentibus. Statura sequentis cui valde affinis, at major, atque distincta. Stigma anticum subinde fere oblitteratum est.

auricula.

232.

N. (The golden Ear) alis fusco-ferrugineis obsolete auratis, fusco strigatis, stigmate reniformi albo-aureo.

Noctua Auricula. Don. Br. Ins. 397. 3.

Noctua Chrysographa. Hüb. Schmet. Noct. 46. 221.

Noctua nictitina. Prod. Lep. Brit. 18. 150.

HABITAT apud nos valde infrequens, Imago i. Aug. Peridumetis.

EXPANSIO alarum 1 unc. 2-3 lin.

DESCRIPTIO. Alæ anticæ certo situ auro paulo micantes, strigis undulatis vel flexuosis obsoletis subfuscis circiter sex subæquidistantibus, at sæpe plus minus evanescentibus; stigma anticum rotundum parvum obscurum aureo-brunneum; posticum magnum reniforme albo-aureum, intus quasi brunneo marginatum. Posticæ nigræ ciliis fuscis.

Obs. This is probably not specifically distinct from *Noctua nictitans*. From its reniform stigma being of the colour of pure gold, it has obtained amongst collectors, appropriately enough, the appellation of the golden Ear.

17. SIMPLICES. Antennis masculinis plus minus pectinatis, alis inornatis, sæpe fere unicoloribus, strigis duabus obscuris.

Obs. As all the articles of this section, notwithstanding their pectinated antennæ, are at length known to possess the spirral tongue, and proper palpi of true Noctuæ; they are here so given; and such of them as have already been printed in the former part of this work are recapitulated, for reasons advanced in preceding observations.

N. (The blossom Underwing) alis rufo-cinerascentibus fascia strigaque subminiaceis, posticis roseis.

miniosa.
233.

Noctua Miniosa. Hüb. *Schmet. Noct.* 36. 174.

Noctua serrata. Marsh. *M. S.*

Noctua serratina. Prod. *Lep. Brit.* 15. 69.

HABITAT apud nos infrequens, Imago f. Mar. Ripis.

EXPANSIO alarum 1 unc. 4. lin.

DESCRIPTIO. Antennæ maris valde, fœminæ paulo pectinatæ, rufæ. Caput, et thorax etiam rufa. Alæ anticæ pallide rufescentes vel cinerascentes, strigâ basi exiguâ rufâ; tunc fascia (stigmata ordinaria fusca includens) lata rufa superne multo latior, sed marginem crassiorem vix attingit, utraque marginata striga duplici fusca, et pallida. Inter hanc et marginem posticum præcipue in fœmina striga ex punctis confertis rufis pallido extus parum adnatis. Denique ciliæ rufo-cinereæ. Posticæ alæ roseæ, et præcipue in fœmina lunula medio, strigaque interrupta fusca pone medium; et in ipso margine striga alia quasi ex lunulis rufis, ciliis saturate roseis.

N. (The dark Drab.)

Bombyx fuscatus, supra. 122. 76.

fuscata.
234.

N. (The narrow-winged Drab.)

Bombyx angustus, supra, 122. 77.

angusta.
235.

Instabi
= *lis* -
var.

N. (The clouded Drab.)

Bombyx subsetaceus, supra, 120. 72.

Noctua pulla. Beck. *Lín. Tr.* 2. 5. cum fig.?

subsetacea.
236.

N. (The scarce clouded-Drab.)

Bombyx nebulosus, supra, 120. 71.

nebulosa.
237.

Op

Noctua instabilis, lævis alis deflexis griseis fascia media ferruginea. *Fab. Ent. Syst.* 3. 44. 110.

Obs. It is extremely probable that all the four preceding articles (which I now possess) belong to one inconstant and most variable species: and the above expressive Fabrician name alone gives strength to such a supposition: as yet, however, their larvæ are unknown to me, and I do not possess the necessary connecting varieties to justify the uniting of them.

50
07.
08-
sparsa. N. (The powdered Quaker.)
238. *Bombyx sparsus*, *supra*, 122. 79.

lota. N. (The Red-line Quaker.)
239. *Bombyx lotus*, *supra*, 122. 78.
Noctua munda. *Hüb. Schmet. Noct.* 35. 167. nec *Fab.*

07
geminata. N. The twin-spotted Drab.
240. *Bombyx geminatus*, *supra*, 121. 73.
Noctua munda. *Fab. Ent. Syst.* 3. 48. 129.
N. lota. *Hüb. Noct.* 35. 167

122?
bimaculata. (The ferruginous Drab.)
241. *Bombyx bimaculatus*, *supra*, 121. 74.

Obs. The specimen from whence this was described still exists in Mr. Jones's collection, under the manuscript name of *Bombyx trimacularis*: but I have lately procured a german insect nearly intermediate between it and *geminata*, which would probably authorize their being all considered as one species.

07
subplumbea. N. (The lead-coloured Drab.)
242. *Bombyx subplumbeus*, *supra*, 121. 75.

Noctua gracilis. *Fab. Ent. Syst.* 3. 48. 132?—*Vill. Ent.* 4. 461.
Noctua gracilis. *Hüb. Schmet. Noct.* 35. 168.—*Fem. est. N. gracillina*. *Prod. Lep. Brit. Addend.* 3. 9.

Obs. Hübner's beautiful figures of this, and various other species of the present section, without letter press, have reached me since the foregoing part of this work was printed, or they would have been therein cited.

07
pallida. N. (The pale Quaker) alis uniformiter pallescentibus, striga
243. postica rufa extus albida, aliaque punctorum, stigmatibus
pallido marginatis.

HABITAT apud nos rarissime. Exemplaria duo solum vidi.

EXPANSIO alarum 1 unc. 5 lin.

DESCRIPTIO. Alæ ex rufo-fusco-pallidæ fere unicolores. Stigmata

mata ordinaria (exterius subcordiforme) margine tenuissime pallido solum conspicua. Inter hæc et marginem posticum striga obliqua nec flexa, rufa extus pallida, ordineque punctorum minutissimorum fuscorum fere ad marginem posticum. Cilia exigua cinerea. Posticæ fere saturatiores, ciliis triplo longioribus parum rufescentibus.

N. (The common Quaker.)

Bombyx Cerasus, supra, 123. 80.

Noctua stabilis. Fab. Ent. Syst.

Noctua stabilis. Hüb. Schmet. Noct. 36. 171.

Cerasi.

244.

N. (The Yellow-line Quaker) alis rufescentibus, striga postica obliqua rectissima flavicante intus rufa, punctoque basi fusco.

flavilinea.

245.

HABITAT in Com. Norf. Communicavit amicus Rev. J. Burrell. Exemplaria quinque solum vidi.

EXPANSIO alarum 1 unc. 5 lin.

DESCRIPTIO. Simillima precedenti. Antennæ maris hirtò pectinatae, nec radiis validis. Alæ anticæ minus venosæ. Stigmata ordinaria magis distantia et lente obsolete flavicantia, basi postici sæpe fusco. Striga postica magis recta, magisque flava, sed ad costam obsoleteior et parum geniculata. Alæ posticæ longe saturatiores, barbâ abdominis ciliisque magis rufis.

N. (The red-ringed Quaker) alis rufo-fuscis striga postica rufa extus pallida, stigmatibus liberis rufo-marginatis.

rufannulata.

246.

HABITAT apud nos rarissime. Exemplaria duo solum vidi.

EXPANSIO alarum 1 unc. 3-4 lin.

DESCRIPTIO. Præcedenti valde affinis, at differt notabiliter ut in caractere specifico. Alæ posticæ præcipue in mare nigricantes, ciliis fuscis; nec rufis ut in illa. Cætera simillima. Sequenti differt stigmatibus liberis nec junctis, antennis masculinis longioribus, magisque pectinatis.

N. (The conjoined Quaker.) *V. B. M. cerasi.*

Bombyx junctus, supra, 123. 81.

juncta.

247.

N. (The plain Quaker) tota pallide rufescens immaculata, alis posticis pallidioribus vel albicantibus.

concolor.

248.

Noctua concolorina. Prod. Lep. Brit. 19. 167.

HABITAT apud nos rarissime. Exemplaria duo solum vidi.

EXPANSIO alarum,

N. (The

- 700
 nana. N. (The small Quaker.)
 249. *Bombyx nanus*, supra, 123. 82.
Noctua ambigua. Fab. Ent. Syst. 3. 48. 131?
Noctua ambigua. Hüb. Schmet. Noct. 36. 173.
Noctua ambigua. Prod. Lep. Brit. Addend. 3. 8.
- 80
 pusilla. N. (The dwarf Quaker.)
 250. *Bombyx pusillus*, supra, 124. 83.

18. ORNATÆ. Alis sæpe angulatis, rubro, luteo, purpureove perpulchre notatis.

- 142
89
 meticulosa. N. (The Angleshades) alis eroso-dentatis roseo-albidis, fascia
 251. triangulari medio purpurascente.
Noctua meticulosa. Fab. Ent. Syst. 3. 83. 242.—Hüb. Schmet.
 Noct. 14. 67.
 HABITAT frequens Larva in plantis herbaceis variis. Imago
 i. Mai. i. Jun. i. Sept.
 EXPANSIO alarum 2 unc.
 DESCRIPTIO. Alæ anticæ basi macula majuscula sub-dola-
 briformi fuscescente marginis tenuioris: fascia medio ob-
 conica fusco roseoque varia, in qua stigmata ordinaria ob-
 soleta auriformia rosea. Margo posticus subolivaceus
 apice roseo, puncto sublunato fusco juxta apicem. Pos-
 ticae albidæ venis, lunulâ in medio, strigâque pone medium,
 alterâque juxta marginem posticum fuscescentibus. Margo
 lutescit, ciliis subustulatis.
- 79
 libatrix. N. (The Herald.) *N. libatrix* Hüb. Noct. 93. 436.
 252. *Bombyx libatrix*, supra, 98. 23.
 OBS. This species would probably best arrange near the pre-
 ceding, notwithstanding its pectinated antennæ.
- 120
 derasa. N. (The buff Arches) alis derasis fusco griseoque variis, fascia
 253. transversa alba, transversim flexuosa a basi ad apicem.
Noctua detesa. Fab. Ent. Syst. 3. 85. 250.—Hüb. Schmet.
 Noct. 14. 66.
Phalena Noctua derasa. Lin. Syst. Nat. 2. 851. 158.
 HABITAT apud nos infrequens. Imago i. Aug. Peridumetis.
 EXPANSIO alarum 1 unc. 7-8 lin.
 DESCRIPTIO. Alæ anticæ quasi parum derasæ, fasciâ tenui
 albâ a basi oblique ad marginem crassiorem, inde, etiam
 oblique ad angulum ani, et tunc illinc sed paulo interrup-
 tim,

tim, usque ad apicem, ubi imperfecte furcata est. Pone medium in sinu fasciæ, fascia alia obconica magna brunneo cinereoque varia, quæ continet stigmata ordinaria albo cincta; spatium album costalè; puncta fulva alba nigraque costalia; et fornices contrarios fuscis cinereosque intricatos tenuissimos. In ipso margine postico striga alba ex arcubus obtusis concinnè connexis. Posticæ fuscæ tincturâ rufedinis.

N. The Peach-blossom) alis fuscis maculis subrotundis quinque sesquialtera roseis.

Noctua Batis. Fab. Ent. Syst. 3. 30. 73.—Hüb. Schmet. Noct. 14. 65.

Phalæna Noctua Batis. Lin. Faun. Suec. 1158.—Lin. Syst. Nat. 2. 836. 97.

HABITAT apud nos infrequens. Imago, m. Jun. m. Jul. Peridumetis.

EXPANSIO alarum 1 unc. 6-7 lin.

DESCRIPTIO. Corpus subgracile. Maculæ roseæ alarum primarum medio sæpe fuscescunt, prima basi cæteris major irregularis; secunda minor fere opposita marginis tenuioris; duæ aliæ fere junctæ costales ad apicem; alia opposita anguli ani; aliæque cæteris decuplo minor vix pone ultimam. Posticæ alæ fuscæ.

batis.
254.

19. ARCUATO-STRIGATÆ. Alis strigis sæpe valde arcuatis,

N. (The dark Spectacle) alis griseo-fuscis basi pallidioribus, arcu duplici contrario, stigmatibus tribus pallidioribus.

Noctua triplacea. Fab. Ent. Syst. 3. 117. 254.

Phalæna Noctua triplacea. Lin. Faun. Suec. 1202.

Noctua Asclepiades. Hüb. Schmet. Noct. 55. 268.

HABITAT apud nos infrequens.

EXPANSIO alarum 1 unc. 4-5 lin.

DESCRIPTIO. Thorax cristatus antice maculis duabus obscuris vix ocellaribus fuscis. Alæ griseo-fuscæ basi obscure griseo-ferruginæ, strigis duabus arcuatim contrariis nigris griseo-marginatis; prima antica, altera postica, stigmata obsoletissima pallescentia includentes. Stigma anticum auctum sive elongatum est, et quasi didymatum. Pone strigam secundam, striga alia obsoletissima pallescens ex punctis paucis pallidis incompletis. Lineolæ duæ nigre infra

triplacea.
255.

larva Pseudococcyti
16 pod. W.

infra costam fere ad apicem. Cilia fusca. Posticæ cineræ fimbriâ nigrâ, ciliis flavicantibus.

Asclepiades.
256.

N. (The light Spectacle) alis nebulosis glauco fuscoque variis, medio saturatoribus, strigis duabus contrariis, stigmatibus tribus glaucescentibus.

Noctua Asclepiades. Fab. Ent. Syst. 3. 117. 355.

Noctua Triplacca. Hüb. Schmet. Noct. 55. 269.

HABITAT. Imago f. Jul. Ripis, præcedente frequentior.

EXPANSIO alarum 1 unc. 4-5 lin.

DESCRIPTION. Præcedenti simillima ut ovum ovo, at distincta. Maculæ subocellares thoracis distinctiores, pulchriores. Alæ basi albidiores absque tincturâ ferrugineâ. Stigmata pallidiora, anticum similiter auctum, at minus didymatum. Striga secunda minus arcuata, strigaeque juxta apicem minus ex punctis, sed latior et fasciam quasi farinosam format, quæ tamen striga tenuis tantum est marginem crassiorem versus, ubi secat lineolas duas subinde confluentes nigras. Cætera priore convenit.

Obs. One of the above spectacle Moths is figured by Donovan in his British Insects, but I am quite unable to decide which.

trapezina.
257.

N. (The Dun-bar) alis griseis, flavicantibus vel rufescentibus strigis saturatoribus, puncto medio nigro, margineque postico nigro punctato.

Noctua Trapezina. Fab. Ent. Syst. 3. 44. 117.

Phalæna Noctua trapezina—Lin. Faun. Suec. 1157.

HABITAT. Imago i. et f. Aug. Peridumetis.

EXPANSIO alarum, 1 unc. 4-5 lin.

DESCRIPTION. Variat,

α. Alis griseo-cinereis striga exigua fusca basi, secunda obliqua albido intus marginata ante, tertiaque arcuata extus albida, pone stigmata grisea obsoleta. Striga alia crassior a costâ inter stigmata ad marginem tenuiorem. Quinta obsoletior quasi ex punctis trigonis confluentibus: denique ordo punctorum parvorum ipso margine, ciliisque cinereis. Præterea punctum fuscum basi stigmatis postici. Posticæ alæ fuscæ costâ latè flavicante, ciliis rufis.

β. Alis flavicantibus, strigis ordineque marginali punctulorum obsoletioribus: colore inter strigam in medio alarum, sæpe saturatiore.

γ. Alis rufis inter strigas in medio alarum saturatoribus, cæteris ut in α.

Noctua Trapezina. Hüb. Schmet. Noct. 42. 200.

N. (The

N. (The lesser spotted Pinion) alis ferrugineis, griseo-fuscisve, strigis duabus albis, punctoque nigro geminato apicis.

affinis.
258.

Noctua affinis. Fab. Ent. Syst. 3. 87. 258.—Hüb. Schmet Noct. 42. 201.

Phalæna Noctua affinis. Gmel. Syst. Nat. 2563. 144.

HABITAT. Imago f. Jul. Peridumetis.

EXPANSIO alarum 12-13 lin.

DESCRIPTIO. Variat.

α. Var. γ. Præcedentis simillima. Alæ anticæ ferrugineæ, interdum strigâ abbreviatâ basi, tunc aliâ flexuosâ ante, alterâque arcuatâ pone medium: et inter has strigâ aliâ obsoletâ fuscâ, subindeque punctis tribus etiam obsoletis, triangulatis positis, primo puncto loco stigmatis antici, secundo tertioque locis basis et apicis stigmatis postici. Ad apicem sæpe punctum geminatum nigrum. Posticæ nigre, ciliis rufis, subtus fuliginosæ fimbria atra.

β. Alæ anticæ griseo-fuscæ, strigis tribus, maculâque geminatâ costali albis. Forte propria species, strigæ albidiores, validiores, postica extus connata ad maculam geminatam costalem, quæ macula terminat in punctis duobus nigris contiguis fere in apice. Posticæ nigre ciliis luteis.

γ. Macula alba costali fere oblitterata, cæteris ut in β.

N. (The lunar-spotted Pinion) alis rufo-purpureis strigis saturatioribus præundatis, lituraque postica sublunari costali alba.

Pyralina.
259.

†

Noctua Pyralina. Hüb. Schmet. Noct. 42. 203.

HABITAT. prope Londinum rarissime. In Museo J. Hatchett solum vidi.

EXPANSIO alarum 16 lin.

DESCRIPTIO. Præcedenti valde affinis, at satis distincta. Fere duplo major, striga secunda magis undata.

Caput, antennæ, thorax, pedes, abdominisque barba, rufa. Abdomen ipsum fuscum uti alæ posticæ nitentes. Cilia luteo-rufa. Subtus alæ posticæ pallidæ, striga media fusca pone punctum ordinarium fuscum.

N. (The white-spotted Pinion) alis brunneo-roseis, strigis tribus rubicundis, maculis tribus costalibus albis, punctoque geminato apicis nigro.

diffinis.
260.

Noctua diffinis. Fab. Ent. Syst. 3. 87. 257.—Hüb. Schmet. Noct. 42. 202.

Phalæna Noctua diffinis. Gmel. Syst. Nat. 2563. 146.

HABITAT. apud nos infrequens. Imago m. Aug. Truncis.

EXPANSIO alarum 15-16 lin.

DESCRIPTIO. Præcedentibus valde affinis at alia, longe pulchrior.

chrior. Penultima major. Alæ præcipue marginem tenuiorem versus roseæ, vel pallide rubicundæ; costam versus magis roseo-brunnæ. Maculæ albæ costales majores, at prima exigua brevis et strigæformis: secunda connexa ad strigam primam perfectam, quæ extus nigra est, at striga proxima intus nigra: et tertia læte rubicunda absque nigredine gaudet. Posticæ perfusæ ciliis-fulvis.

Larva Larvæ d. x. x. x. W.

Delphiniz.

261.

N. (The Pease-blossom) alis læte rubicundis, Fascia trilobata basi alia angusta postica, strigæque geminata saturatioribus.

Noctua Delphinii. Fab. Ent. Syst. 3. 90. 267.—Hüb. Schmet.

Noct. 42. 204.—Panz. Faun. Germ. 7. Fab. 17.

Phalæna Noct. Delphinii. Lin. Syst. Nat. 2. 857. 188.

Wilks Pap. 3. t. 1. a. 4.

Rés. Ins. 1. Phal. 2. tab. 12.

HABITAT apud nos rarissime prope Londinum. Larva in Delphinio. Imago. Jun. Jul. Hortis.

EXPANSIO alarum 15-16 lin.

DESCRIPTIO, ex exemplaribus germanicis formosissimis. Alæ anticæ ipsâ basi, fasciâ latiusculâ trilobatâ lætissime rubicundâ, fusco et albo tenuiter terminatâ. Stigma anticum deest, posticum maximum fuscum vel fusco-purpureum, et a basi ejus striga obsoleta purpurea excurrit ad marginem tenuiorem. Tunc fascia angusta postica rubicunda connexa anticæ ad strigam geminatam fusco-purpuream. Pone fasciam alæ pallidiores sunt. Ipse margo posticus striga purpurea est, ciliis ex albido-fulvis longissimis omnium Noctuarum. Alæ posticæ albæ fimbriâ fuscâ purpureo extus marginatâ, ciliis mediocribus albis.

OBS. This is perhaps the most beautiful of all our genuine Noctuæ, and it is likewise certainly one of our rarest; as has already been observed in the Transactions of the Entomological Society of London, page 35, where about five specimens only are recorded to have been found in England.

20. RECTO-STRIGATÆ. Alis fere concoloribus strigis
rectiusculis, sæpius absque stigmatibus.

N. (The equal Treble-lines) alis griseo-canis strigis tribus ses-
quialterâ saturatoribus æquidistantibus.

trilinea,
262.

Noctua Trilinea. Hüb. *Schmet. Noct.* 45. 416.

Noctua Quercus. Fab. *Ent. Syst.* 3. 24. 44.

HABITAT. Imago f. Jun. i. Sept. Dumetis.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Antennæ testaceæ validæ, maris lente pectinatæ.

Striga prima alarum abbreviata subfusca costalis ad basin:
secunda minime obliqua: tertia recta paululum undulata
costam versus: quarta simillima postica. Margo posticus
ciliaque parum saturiora. Posticæ fuscæ, ciliis
griseis.

N. (The unequal Treble-lines) alis rufo-griseis, strigis tribus *approximans*,
sesquialterâ saturatoribus inæquidistantibus.

263.

HABITAT apud nos rarissime.

EXPANSIO alarum 1 unc. 4 lin.

DESCRIPTIO. Præcedenti simillima. Differt. Alæ anticæ mi-
nus canæ strigâ abbreviatâ basi evanescente. Tertia striga
oblique approximatur usque ad secundam in margine tenui-
ore. Margo posticus non saturior. Alæ posticæ fuscæ
ciliis rufescentibus. An varietas fœminæ præcedentis?

N. (The clouded Treble-lines) alis rufo-griseis postice satura-
toribus, strigis tribus sesquialterâ æquidistantibus fuscis.

semifuscans.
264.

HABITAT apud nos rarissime.

EXPANSIO alarum 1 unc. 5 lin.

DESCRIPTIO. Penultimâ vix differt nisi in colore, qui pone
strigam secundam perfectam usque ad marginem, longe
saturior, et fusco-rufus est. Striga ipsa secunda cæteris
triplo validior est, et fusca. Alæ posticæ ut in ultima.

N. (The dark Treble-lines) alis griseo-fuliginosis strigis dua-
bus rectis, stigmatibus obsolete interjecto.

bilinea
265.

Noctua bilinea. Hüb. *Schmet. Noct.* 45. 217.

HABITAT apud nos rarissime. Exemplaria duo, prope Lon-
dinum capta solum vidi.

EXPANSIO alarum 1 unc. 5 lin.

DESCRIPTIO. Mas. Prioribus maxime affinis est, at longe
saturior et quasi fuliginosa, hinc illinc tincturâ griseâ.

K k

Striga

Striga abbreviata præcedentium deest, at tertia certo situ paululum appareat fuliginosior quam alæ, et transit stigma reniforme evanescens. Stigma anticum nullum. Antennæ testaceæ validæ, lente pectinatæ sunt. Posticæ fuscæ ciliis rufis.

304
turca.
266.

N. (The Double-line) cristata alis deflexis flavescens, strigis duabus fuscis lunulaque lutea.

N. turca. Fab. Ent. Syst. 3. 113. 339.—Hüb. Schmet. Noct. 45. 218.

Phalæna Noctua turca. Lin. Faun. Succ. 1221.

HABITAT apud nos valde infrequens, Imago Jul. Sylvis. Exemplaria quatuor solum vidi.

EXPANSIO alarum 1 unc. 8 lin.

DESCRIPTION. Ferruginea tota: alæ antiçæ atomis fuscescentibus numerosis obsoletis. Striga fusca parum incurva ante, alteraque obliqua parum undulata pone lunulam albidam loco stigmatis postici. Stigma anticum deest. Posticæ fuscæ margine omni rufo-ferrugineo.

21. RETUSÆ. Corpore gracili. Alis anticis retusis stigmatibus tribus, strigis etiam subtribus pallidis.

Larva Larvicida W. x x x x x.

subtusa.
267.

N. (The Olive) alis retusis fusco-olivaceis, stigmatibus tribus olivaceis, strigisque tribus sesquialtera flavicantibus.

Noctua subtusa. Fab. Ent. Syst. 3. 62. 173.—Hüb. Schmet. Noct. 44. 213.

HABITAT apud nos prope Londinum, at valde infrequens.

EXPANSIO alarum 13-15 lin.

DESCRIPTION. Striga prima costalis abbreviata est, et secunda recta, exacte ut in sectione priore: tertia incurva pone medium alæ, et pone hanc striga alia obsoletissima undulata cæteris diversa et subevanescens. Cilia olivacea. Stigmata ordinaria tria olivacea, flavedine marginata, tertium parabolicum est, et e striga secunda enatum. Striga prima subinde etiam habet rudimentum stigmatis parabolici parvi. Posticæ fuscæ ciliis pallidioribus. Præterea striga fuscescens anticarum subinde extendit a basi stigmatis postici ad marginem tenuiorum.

β. Fusca, absque olivaceo, cæteris ut in α.

HABITAT cum priore. Etiam in Com. Ebor. capta atque communicata amico H. E. Strickland.

132
199
N. (The

N. (The Slender-bodied) alis emarginatis fuscis strigis duabus sesquialterâ, marginibusque stigmatum pallidioribus.

Noctua gracillina. *Prod. Lep. Brit.* 14. 53.

HABITAT apud nos infrequens. Imago m. Jul. Truncis.

EXPANSIO alarum 13 lin.

DESCRIPTIO. Præcedenti differt corpore longiore, et gracillimò omnium Angliæ Noctuarum. Alæ magis fuscae et emarginatæ strigis minus flavicantibus, tertia recta obliqua, nec ullo modo incurvata; quarta omnino deest.

gracilis.
268.

132

N. (The double Kidney) alis emarginatis cinereo-fuscis, strigis quatuor fuscis albo adnatis, stigmatibus duobus auriformibus tertioque obsoleto teliformi.

Noctua retusa. *Fab. Ent. Syst.* 3. 62. 174.—*Hüb. Schmet. Noct.* 44. 214.

Phalæna Noctua retusa. *Lin. Faun. Succ.* 1218.

Phalæna Noctua vetula. *Hüb. Beit.* 1. 3. 2. H.

Phalæna Noctua chrysoglossa. *Beck. Lin. Tr.* 2. 6. cum figura mala.

HABITAT apud nos valde infrequens. Larva f. Jun. Salicæ Capræâ. Puppa subterranea. Imago f. Jul. Salicetis. *Beck. l. c.*

EXPANSIO alarum 1 unc.

DESCRIPTIO. Prioris forte mera sexualis varietas. Minor, corpore brevior crassior. Alæ magis cinerascens, et strigam undulatam habent juxta apicem ut in *N. subtusa*. Præterea stigma anticum, atque posticum auriformia, et stigma tertium teliforme obsoletissimum extendit a strigâ primâ per secundam, fere ad basin stigmatis postici. Cilia brunneo-fusca sive castanea. Posticæ perfuscae ciliis pallide rufescentibus.

Obs. Beckwith describes the larva as beautifully green, pellucid, and the slenderest of all the Noctuæ, but with the motion nearly of a *Geometra*.

retusa.
269

99

132

22. PSEUDOGOMETRÆ. Statura gracili in hoc genere, et subinde fere *Geometrarum*; antennis luteis brevibus validis, medio parum crassioribus.

N. (The lesser Lutestring) alis cinereis fasciis duabus rectis e strigis compactis diversicoloribus.

Noctua diluta. *Fab. Ent. Syst.* 86. 254.—*Hüb. Schmet. Noct.* 43. 206.

HABITAT apud nos, valde infrequens.

diluta.

129

EXPANSIO

EXPANSIO alarum 1 unc. 3 lin.

DESCRIPTIO. Alæ anticâ fasciâ rectâ ferrugineâ sæpius albo nigroque undulatum terminatâ ante, alterâque pone medium: et inter fascias interdum striga flexuosa fusca. Posticæ albicantes fasciâ pone medium fimbriâque cinerascens, ciliis albidis.

luteicornis.
271.

N. (The Yellow-horned) cristata alis deflexis: anticis cinereis, strigis tribus atris, antennis luteis.

N. *Flavicornis.* *Fab. Ent. Syst.* 3. 116. 352. *Exclusis synonymis Linnæanis.*—*Hüb. Schmet. Noct.* 43. 208. nec Lin.

Phalæna flavicornis. *Don. Br. Ins.* 352. 3.—*Exclusis synonymis Linnæanis.*

HABITAT apud nos rarissime, Larva in Bêtula, Imago f. Mar.

EXPANSIO alarum. 1 unc. 7. lin.

OBS. As I have only german specimens of this species, I omit a description.

flavicornis.
272.

N. (The Poplar Lutestring) alis cinereis strigis variis flexuosis fuscis.

Phalæna Noctua flavicornis. *Lin. Faun. Succ.* 1204. nec. *Fab. vel aliorum.*

Noctua, or. Fab. Ent. Syst. 3. 86. 253.—*Hüb. Schmet. Noct.* 43. 210.

Phalæna Noctua gemina. *Beck. Lin. Trans.* 2. 4. *cum figura.*

HABITAT Larva in Populo. Imago Populetis, i. Jun. at infrequens.

EXPANSIO alarum. 1 unc. 6-7 lin.

DESCRIPTIO. Striga prima geminata est basi, tunc ante medium strigæ aliæ 3-4 confertæ fere in fasciam: tunc macula grisea subinde sesquialtera irregularis fere in loco stigmatum. Inter maculam et marginem posticum, strigæ tres aliæ æquidistantes, harum ultimæ duæ longe pallidiores minusque flexuosæ, et postrema connexa cum litura obliqua unciformi nigra apicis. Posticæ fuscæ, margine parum saturatioribus, ciliis fusciscentibus.

fluctuosa.
273.

N. (The satin Carpet) alis cinereo-albicantibus fascia latissima fusca in medio, in qua lunula strigisque nigris.

Noctua Fluctuosa. *Hüb. Schmet. Noct.* 44. 212.

Noctua similina. *Prod. Lep. Brit.* 14. 50.

HABITAT apud nos valde infrequens. Imago m. Jun. Peridumetis.

EXPANSIO alarum 1 unc. 6-7 lin.

DESCRIPTIO. Corpus prægracile fere ut in Geometris. Alæ basi

cinereæ strigâ punctisque fuscis: tunc fascia fusca recta extendens ultra medium, in qua striga una alterave flexuosa nigra, et lunula obscura etiam nigra, extus albida, loco stigmatis postici: pone fasciam striga distincta fuscescens minutim denticulata. Margo posticus pallide fuliginosus, striga denticulata pallida. Stigma anticum nullum. Alæ posticæ albide fimbriâ pallide fuliginosâ.

N. (The lesser satin Carpet) alis cinereis fascia latissima fusca in medio, in qua strigæ punctumque geminatum nigra.

Tinea duplaris. *Lin. Faun. Suc.* 1357.

Noctua Undosa. *Hub. Schmet. Noct.* 44. 211.

Noctua dissimilina. *Prod. Lep. Brit.* 14. 51.

HABITAT cum præcedente, at frequentior. Imago i. Jun. Peridumetis.

EXPANSIO alarum 1 unc. 4-5 lin.

DESCRIPTIO. Priori simillima et fere eadem: differt solum magnitudine, alis saturatoribus, punctoque geminato, medio fasciæ (nec lunula) loco stigmatis postici.

OBS. Hübner's figures of this, the preceding, and others, I have received without letter-press, since the Prodrômus was printed.

duplaris.
274.

129

129

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