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Stomach

Order Lepidoptera

(Microlepidoptera)

Order Lepidoptera

(Microlepidoptera)

Order Lepidoptera

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## INTRODUCTION.

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THE principal object of the present Catalogue has been to give a complete list of all the Tortrices that have been recorded as found in Great Britain, indicating at the same time those species that are contained in the Collection.

This Catalogue has been prepared by JAMES FRANCIS STEPHENS, Esq., so well known for his works on British Insects, for the extent of his cabinet, and the liberality with which he allows it to be consulted.

Mr. Stephens has endeavoured to arrange these insects according to their natural affinities, so far as is practicable with a local collection; and has taken great pains to ascertain every name which has been applied to the respective species and their varieties, the author of the same, and the date of publication; the references to such names as are unaccompanied by descriptions being included in parentheses: all are arranged chronologically, excepting those to the illustrations and to the figures, which invariably follow their authorities. With these exceptions it has not been attempted to give the synonymy, from the impracticability of so doing within moderate limits; they may be found quoted at length, up to the period of its publication, in Mr. Stephens's 'Systematic Catalogue of British Insects,' 8vo, 1829.

The species in the British Museum Collection are indicated by the letters, B. M., annexed; while those in the Synoptic List, to

which doubt is attached as to their indigenous pretensions, are distinguished by an asterisk (\*) prefixed.

JOHN EDWARD GRAY.

*British Museum,*

*April 12th, 1852.*

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*Note.* — Mr. Stephens observes, “He has pursued the plan commenced in the former part of this Catalogue, not only as to the arrangement of the contents, but in respect to all other particulars of nomenclature, &c. Upon this last-mentioned subject, however, he is desirous of adding a few remarks elucidatory of his opinions thereon, more especially as regards the nomenclature of the species, as from adhering to a rule hereunder noticed, many of the names have been by modern writers unnecessarily changed, and thus the “Babel” perplexity has been increased, will increase, and must continue increasing, unless a vigorous stand is made to arrest its progress, by adhering as strictly as practicable solely to priority: *e. g.* the *Tortrix bistriana*, *Haw.*, has (correctly enough) been referred to the *T. rufana*, *W. V.* 1775, and this last name properly retained for the species, as a *Peronea*, (*vide* page 8). In the author’s ‘Illustrations’ there is a *Carpocapsa rufana*, now this name has been changed to *Westwoodiana* — as by the modern Micro-lepidopterological rules, alluded to above, there must not be two species, of the same name, in the higher groups terminating in *ana*, *ella*, &c. : † this last name

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“† Guenée (*Mi.* 83) discards the name *Cribrum*, as impossible to be employed, amongst the *Tineæ*, because it is applied to a *Bombyx*! Can absurdity go further? What would the *Coleopterist* do with his *rufipes*, *pallidipennis*, *ater*, &c. by following out so capricious a rule?”

was applied, supposing it to be original, in 1850, but lo! Zetterstedt in his 'Insecta Lapponica,' published in 1840, has a *Conchylis Westwoodana*; consequently the poor *Carpocapsa* should receive a new name: it however appears that Haworth described a bad specimen of the insect in question from the identical example now remarkably enough in Mr. Westwood's collection, under the name of *T. expallidana*, and which is restored to the species in this Catalogue: proceeding with the name under consideration—as one only amongst several almost similarly circumstanced — it will be found that Scopoli, in his *Ent. Carn.* p. 235, 1763, has a *Tortrix rufana* widely different to the Vienna species, probably *Paramesia Shepherdana* or *P. ferrugana*, and therefore from priority (were the reference certain) *rufana* should be employed for the Scopolian insect, and the *Peronea* ought to receive a new appellation, in accordance with the modern views herein repudiated; it being clearly a vitious principle to re-employ—as is, however, constantly done—a name once rejected if one of a kind is alone to be used in each principal group."

"Again, there is a *Tortrix grossana*, *Haw. L. B.* 1812 (*Carpocapsa fagiglandana*, *Heyd. MSS.*), whose specific name is still retained,—and with strict propriety as regards the ordinary rules of nomenclature, —although there is a *T. grossana* of *Thunberg, I. S.* p. 45, 1791, a *Lozotania*, allied to *Branderiana*, but not indigenous, and omitted in modern Catalogues of European *Lepidoptera*, although well-known to, and mentioned by, Zetterstedt in 1840. At least a score of similar instances might be added."

"The tendency of the rule in question to promote confusion is thus cursorily but manifestly shown: it is however advisable to apply entirely unused names for new species, as far as practicable; a point notwithstanding of the utmost difficulty in the present prolific state of entomological literature: *e. g.* under the genus *Retinia* there is a

species called *Pinicolana*, in 1850, whereas Zeller has a *Grapholitha* under that name (*vide* p. 43) in the 'Isis' for 1846, a work not very accessible, as is the case with many others; hence the cause of the difficulty of avoiding a duplicate name. Indeed few persons, except those engaged in similar researches, can imagine the almost utter impossibility of obtaining, either a knowledge of the various periodicals and pamphlets, in which new species of insects are described, or of procuring even a sight of the works themselves, when their titles are ascertained, either in our public or private libraries."

"Other diversities of nomenclature unavoidably arise from differences of opinion in regard to the original names of the Vienna Catalogue, &c.: one of these may be here alluded to; viz., *T. variegana* as applied in the following pages to *Peronea Abildgaardana*,\* *Doubleday*. This name (*variegana*) is employed by Guenée as the specific name of *Antithesia Cynosbatella*—although previously used by him (*Mi.* p. 10) as a synonym to *Abildgaardana*—but it is evidently so employed in error: the 'Theresians' say of *variegana*, in their appellative description, 'Gelblichtweisser W. mit dusterer Innenrandmackel, und buntem Untenrande,' which appears descriptive of the *Peronea*, and not of the *Antithesia*; the name is therefore hereafter applied accordingly: this leads to a final remark on the subject of specific names, viz., that the Theresian names are almost universally adopted in continental works, even when unaccompanied by descriptions, from the fact, that in the majority of cases original specimens are said to exist in the Vienna collection; and thus by adhering to a similar plan, there will be found a few names such as *proximana*, *simpliciana*, &c. restored, from the original specimens, bearing Haworth's autographic names,

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\* This name is *posterior* to *Osbeckiana*; *vide* p. 18.

being in the collection of the Entomological Society, which may be considered as a public one."

"The attempt to justify the use of each generic name would not only be out of place in a mere Catalogue, but would occupy too much space; it is, however, essential to allude to one or two instances of apparent 'love of change,' as it is too frequently termed, when one writer differs from another. Duponchel, in the 'Annales de la Société Entomologique de France,' vol. 3, p. 433 (1834), has a paper on the division of the Tortricidæ into genera; his 13th genus *Ephippiphora*, p. 446, is therein characterized, and *T. dorsana* given as the type; and this generic name is accordingly employed for the genus including *dorsana* and its congeners in the following pages. Guenée, in his *Eur. Mic. Ind. Méth.* p. 42, employs *Ephippiphora* for *scutulana* and its allies, whereas only two of Guenée's species are included by Duponchel therein, and those placed at the end — one of them, *fænella*, being subsequently removed by him to *Pædisca*, in which genus he includes nearly the whole of the species enumerated by Guenée, under *Ephippiphora*. This transposition of the names caused Guenée, as he adopts both genera, to propose a new one for the true *Ephippiphoræ* (*Stigmota*, *G.*); and as of course Duponchel's original name must be restored to its proper position, the name *Halonota* is subsequently proposed herein, for *Ephippiphora* of Guenée."

"One other instance only shall be noticed:—Treitschke, in his 7th vol. p. 232, proposes the genus *Grapholita*, and divides it into two sections A and B. Section B, including *Petiverella*, is synonymous with *Ephippiphora*, and section A, as hereafter employed under the name *Grapholita*, is converted by additions into *Catoptria* by Guenée, while he employs *Grapholita* to designate those insects improperly forced into section A, by Treitschke in his 8th vol., with

Hohenwarthiana and its congeners ; a new name therefore became necessary, and a transposition of the old one has been employed."

"It may be observed, in conclusion, that Guenée's generic names are unaccompanied by descriptions: however, they, as also others similarly circumstanced, are subsequently employed, rather than substitute new ones, and thus add to the overwhelming numbers required in the present advanced state of Zoology."

"Some of the species of the genera *Dichrorampha*, *Grapholita*, *Cnephasia*, and *Eupœcilia*—especially of the two last—still require investigation as to their distinctness—they are either extremely variable, or more numerous than at present indicated; from their general rarity their habits are unknown."

"Since the above remarks were penned three volumes of the 'Species général des Lépidoptères,' par M.M. Boisduval and Guenée, Paris, 1852, containing the "Noctuélites" by the latter author, have appeared: an elaborate work, but wholly destitute of specific characters!! It would not have been referred to here but for the capricious use of numerous specific, as well as generic, names bearing upon the points under discussion. In the case of the specific names several of the alterations arise from the expansion of the 'homonymic' system, above deprecated, amongst the Noctuidæ; while others arise from an apparent abrogation of the law of priority, although in p. 104, vol. vi. (ii.) a name is restored by reason of its 'incontestable priorité.' As instances of this abrogation may be noticed the following, in vol. v. (i.), viz. :—

Page 102. *Nonagria despecta*, *Treit.* 1825. = *Noctua rufa*, *Haw.* 1810.

„ 106. *Nonagria paludicola*, *Hüb.* 1816. = *Noctua geminipuncta*, *Hatchett*, 1810: *cum icone!*

Page 127. *Hydræcia vindelicæ*, *Frey*. 1849. = *Gortyna Petasitis*,  
*Doub.* 1847.

„ 334. *Noctua bella*, *Bork.* 1792. = *Noctua Rubi*, *View.* 1790.

„ 388. Genus *Hoporinia*, *Bois.* 1840. = *Jodia*, *Hüb.* 1816.  
= *Xantholeuca*, *Step.* 1831.

Vol. vi. (ii.)

Page 405. Genus *Gonoptera*, *Lat.* 1825. = *Scoliopteryx*, *Germ.*  
1811.

„ 433. *Stilbia hybridata*, *Hüb.* 1814. = *Phytometra anomala*,  
*Haw.* 1812.

“The first names are those adopted by Guenée, although he refers without question, to those above given of prior date; they are not duplicates, and therefore do not interfere with his favourite system; which appears to extend to species only, as shown by the following duplicate generic names, in vol. vi. (ii.), of established use in Entomology *alone*, many of them actually employed in the order *Lepidoptera*! And it is to be remembered that they are not mere Catalogue names, but names applied to characterized genera.”

Page.

7. <i>Dicycla</i> ( <i>Oo</i> ), <i>G.</i>	<i>Dicyclus</i> , <i>Walk.</i> Gen. Hym. 1833.
<i>Eugramma</i> , <i>Step.</i> 1850.	
31. <i>Phorocera</i> , <i>G.</i>	<i>Phorocera</i> , <i>Desv.</i> Gen. Dipt. 1830.
61. <i>Charidia</i> , <i>G.</i>	<i>Charidea</i> , <i>Dalm.</i> Gen. Lepid.! 1816.
171. <i>Euterpia</i> , <i>G.</i>	<i>Euterpe</i> , <i>Swains.</i> Gen. Lepid.! 1831.
236. <i>Leptosia</i> , <i>G.</i>	<i>Leptosia</i> , <i>Hüb.</i> Gen. Lepid.! 1816.
357. <i>Thyria</i> , <i>G.</i>	<i>Thyra</i> , <i>Dej.</i> Gen. Col. 1834.
379. <i>Hemiceras</i> , <i>G.</i>	<i>Hemicera</i> , <i>Lapor.</i> Gen. Col. 1832.
386. <i>Achantodes</i> , <i>G.</i>	<i>Acanthodes</i> , <i>Serv.</i> Gen. Ort. 1831.
401. <i>Eriocera</i> , <i>G.</i>	<i>Eriocera</i> , <i>Macq.</i> Gen. Dipt. 1834.
409. <i>Barydia</i> , <i>G.</i>	<i>Baridius</i> , <i>Schön.</i> Gen. Col. 1826.
410. <i>Syntomopus</i> , <i>G.</i>	<i>Syntomopus</i> , <i>Walk.</i> Gen. Hym. 1833.

“ In the same volume there are at least as many names of a similar character in use in the other departments of Zoology; and as many of both kinds in the other two volumes of the work; so that from fifty to sixty generic names are ‘ doubly employed ’ in the Noctuidæ alone: — a practical example of showing his opinion of the inferiority of *generic* to *specific* names used ‘ homonymically ! ’ What notion can an individual obtain of the affinities, &c. of an insect by calling it Brassicæ? Certainly none: but if he uses the double name Pieris (or Mamestra) Brassicæ, he at once becomes acquainted with its position, and recognizes its allies.”

“ Perhaps some of the alterations cited above may arise from M. Guenée not studying other branches of Zoology—the Nomenclature of Agassiz would, however, have set him right — but that he sometimes expressly changes the names of species the two following references will sufficiently prove; viz. :—

Vol. i. p. 166. *Calogramma picta*, *Guer.* = *Festiva*, *Don.*

‘ J’ai adopté le nom de M. Guérin, celui de Donovan étant affecté, depuis longtemps, à une espèce du genre Noctua.’

(Regardless of there being a *Noctua picta*, *Fab.*)

Id. p. 223. *Celæna Herbimacula*, *Gu.* = *Celæna renigera*, *Step.*

‘ Je n’ai pu conserver son nom (*renigera*) qui désigne depuis longtemps une *Agrotis* bien connue.’

“ And at the end of the 3rd vol. p. 399 he inserts, by way of ‘ Errata ’ a list of 21 specific names ‘ doubly employed ’ by him, with the new names he proposes to substitute for them. Notwithstanding these corrections others must be made by the followers of his system—one instance will suffice to show this. Haworth has described and Wood well-figured, a N. American species, *Erastria*?



apicosa, while Guenée has a *Renodes apicosa*, a native of Brazil, a totally distinct species."

"It is needless to occupy more space to prove the serious inconvenience inevitably connected with the promulgation of such a system at the present time. 'PRIORITY' and *priority alone*, of description, should be adopted as the only safe rule to avoid confusion; but it is not always an easy matter to arrive at the oldest name as previously mentioned, and which may be further instanced by a reference to Guenée's remark, vol. v. (i.) p. 110, on *Nonagria lutosa*: he there states that he has effaced the name *Bathyerga*, as being posterior to *lutosa* of Hübner, although in his Index in the French 'Annales,' vol. x. p. 237 (1841) he considers the latter as a different species, removed by several intermediate ones from *lutosa*! thus showing that his views have changed with time; a quality he scarcely allows to others; as gathered from the very note on the species in question: in which, after stating that it is 'assez commune en Angleterre, et varie extrêmement pour la taille et pour la couleur;' he adds, 'nevertheless (Néanmoins) M. Stephens a créé à ses dépens, outre le type, deux autres espèces,' viz., *pilicornis* and *Cannæ*: the anachronism of these sentences renders them particularly, though doubtless unintentionally, unfair. In 1810 only one example of the species (called then *crassicornis* by Haworth) was known, a second (*pilicornis*, *Haw.*) in 1812, and two others before 1830, all captured in distant places and remarkably unlike each other, one only (called *Cannæ*), being smaller than the others: between the period last-mentioned and 1842, two or three other specimens only occurred, but after that time, by 'sugaring,' the insect was discovered to be abundant. Now as the supposed distinct species—*crassicornis*, *pilicornis*, and *Cannæ*—were so introduced in the 'Illustrations,' in 1829, and the paucity of specimens

mentioned, it was manifestly impossible to predicate *then* that the *now* well-known species was a common and a variable one: and moreover, these remarks of Guenée are made in 1852, notwithstanding the corrections of the synonymy were made in p. 136, of the former part of this Catalogue, published in 1850, of which Guenée should have been aware, as he quotes the genus *Cænobia* therefrom in a preceding page (102) of his volume."

"Allusion has been made to the change of the name *Cribrum* amongst the *Tineæ*, in consequence of there being a *Cribrum* in *Bombyx*. Why therefore is *anachoreta* introduced by Guenée as a *Noctua* (vol. vi. p. 196) seeing that there is a long established *Bombyx anachoreta*? And again, *Mamestra Brassicæ* retains its name notwithstanding the well-known *Papilio* (*Pieris*) *Brassicæ* of our gardens."

"In conclusion, it may be added that these remarks are introduced solely with a view to point out the palpable inconvenience of the proposed system, and not from any captious spirit of opposition."

*Books quoted, in addition to those referred to in Part 5.*

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- \* *Annals & Magazine of Natural History*, 1st series, 1842. 2nd series, 1850.  
*Entomologische Zeitung*, 8vo., Stettin, 1840—51.
- \* *Frölich Enumeratio Tortricum*, L. regno Würtembergico, &c. 1 vol. 8vo., Tübingæ, 1828.
- \* *Guenée Europæorum Microlepidopterorum Index Methodicus* 1 vol. 8vo., Paris, 1845.  
*Köllar Beytrage z. Landeskunde Oesterr.* 8vo., Wein. 1830—1840.
- \* *Mann. Verzeichniss der Microlepidopteren*, 8vo, Wein. 1843?  
*Mémoires de la Société Royal d'Agriculture de Paris*, 8vo., Paris, 1782, &c.
- \* *Schlæger Berichte des Lepidopterologischen Tauschvereines*, 1 vol. 8vo., Jena, 1848.  
*Uslar, Pyralis Hercyniana*, 8vo, Hanover, 1798.



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Stephens James Francis

## CATALOGUE

OF

### BRITISH MICRO-LEPIDOPTERA, § I.

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#### Order LEPIDOPTERA.

(§ MICRO-LEPIDOPTERA).

#### Sub-Div. (IV.) LEPIDOPTERA VESPERTINA.

(Lepidoptera Vespertina, *Step. H.* iv. 63, 1834.)

#### Family I. TORTRICIDÆ.

Tortricidæ, *Leach, E. E.* ix. 135, 1815.

#### Sub-Family I. CYMBIDI.

Cymbidi, *Guén. (Ann. E. S. Fr. 2 Ser. iii. 135, 1845). Id. (Mi. 1).*

#### Genus 1, (357). HYLOPHILA.

*Hylophila, Hüb. V.* 396, 1816.

*Chloëphora, Step. (C. ii. 168, 1829).*

*Halias, p., Treit. (S. vii. 227, 1829). Id. viii. 3, 1830.*

## 1. HYLOPHILA PRASINANA. Green Silver Lines. B. M.

Phalæna-To. prasinana, *Lin. S. Nat.* i. 530, 1758.

Hylophila prasinana, *Step. H.* iv. 66, 1834. *West. & H. M.* ii. 108, t. 79, f. 1—3, 1844.

Pyralis Fagana, *Fab. Sp. I.* ii. 276, 1781.

Phalæna Fagana, *Don. B. I.* viii. 75, t. 281, 1799.

Chloëphora Fagana, *Step. (C. ii.* 168, 1829).

♂. Pyralis sylvana, *Fab. E. S.* iv. 2, 244, 1794.

## 2. HYLOPHILA QUERCANA. Scarce Silver Lines. B. M.

Tortrix Quercana, *Schiff. (W. V.* 125, 1776).

Hylophila Quercana, *Step. H.* iv. 67, 1834. *West. & H. M.* ii. 108, t. 79, f. 4—6, 1844.

Pyralis prasinana, *Fab. S. E.* 645, 1775.

Phalæna prasinana, *Don. B. I.* ii. 10, t. 40, fig. sup. 1793.

Chloëphora prasinana, *Step. (C. ii.* 168, 1829).

Tortrix bicolorana, *Fuesl. (S. I.* 41, 1775).

## 2, (358). EARIAS.

Earias, *Hüb. V.* 395, 1816.

Tortrix, p., *Step. (C. ii.* 169, 1829).

Halias, p., *Treit. (S. iii.* 227, 1829).

Earis, *Step. H.* iv. 67, 1834.

Halias ††, *Guén. (Mi. i.* 1845).

## 1. EARIAS CLORANA. The Cream-bordered Green Pea. B. M.

Phalæna-To. clorana, *Lin. F.* ii. No. 1303, 1761.

Earis clorana, *Step. H.* iv. 68, 1834. *West. & H. M.* ii. 108, t. 79, f. 7—9, 1844.

## Sub-Fam. II. TORTRICIDI.

Tortricidi, *Guén. (Ann. E. S. Fr. 2 Ser. iii.* 136, 1845).

## 3, (359). TORTRIX.

Tortrix, *Auctorum.*

Aphelia, *Hüb. V.* 390, 1816.

## 1. TORTRIX VIRIDANA. The Pea Green T. B. M.

*Phalæna*-*To. viridana*, *Lin. S. Nat.* i. 530, 1758.

*Tortrix viridana*, *Step. H.* iv. 68, 1834. *Wood, I. E.* 129, t. 29, f. 844.

Var. *a.* *Tortrix Suttneriana*, *Schiff.* (*W. V.* 127, 1776).

*Tortrix flavana*, *Step. (C. ii.* 169, 1829).

## 2. TORTRIX PALLEANA. The Plain Yellow T.

*Tortrix palleana*, *Treit. S.* viii. 99, 1830. *Step. H.* iv. 69, 1834.

*Tortrix flavana*, *Hüb. To.* t. 25, f. 157, 1801.

*Tortrix viridana*, var., *Fröl. T. W.* 17, 1828.

## 3. TORTRIX ICTERANA. The Jaundiced T.

*Tortrix icterana*, *Fröl. T. W.* 70, 1828.

*Tortrix flavana*, *Hüb. To.* t. 41, f. 258, 1804.

*Tortrix palleana*, *Wood, I. E.* 129, t. 29, f. 846.

*Tortrix Viburnana*, *West. & H. M.* ii. 109, t. 79, f. 12, 1844.

## 4. TORTRIX VIBURNANA. The Drab T. B. M.

*Tortrix Viburnana*, *Schiff.* (*W. V.* 128, 1766). *Step. H.* iv. 69, 1834. *Wood, I. E.* 129, t. 29, f. 847.

*Tortrix Unitana*, *Hüb. To.* t. 19, f. 123, 1801. *Step. (Cat. ii.* 169, 1829).

*Tortrix pillerana*, *West. & H. M.* ii. 109, t. 79, f. 13, 14, 1844.

*Tortrix Galiana*, *Cur. B. E.* xvi. t. 762, ♂ et ♀, 1839.

♀. *Tortrix rhombana*, *Schiff.* (*W. V.* 128, 1766).

*Tortrix Galiana*, *Bent. MSS. Curt. G.* 166, 1831. *Step. H.* iv. 396, 1835. *Wood, I. E.* 129, t. 29, f. 845.

Var.? *a.* *Tortrix unicolorana*, *Dup. L. F.* ix. 103, t. 240, f. 6, 1834.

Var.? *b.* *Tortrix Aspodilana*, *H.-Schæff. P. S. To.* t. 6, f. 35, 36.

## 4, (360). LOZOTÆNIA.

Lozotænia, *Step.* (C. ii. 169, 1829). *Id.* H. iv. 69, 1835.

Tortrix, *Guén.* (*Ann. E. S. Fr.* 2 Ser. iii. 136, 1845). *Id.*  
(*Mi.* 2).

## a. PANDEMIS.

Pandemis, *Hüb.* V. 388, 1816.

## 1. LOZOTÆNIA FORSTERANA. The Forsterian T. B. M.

*Pyralis Forsterana*, *Fab.* E. S. iii. b. 251, 1792.

*Lozotænia Forsterana*, *Step.* H. iv. 70, 1834. *Wood*, I. E. 129,  
t. 29, f. 848.

*Tortrix reticulana*, *Fröl.* To. W. 33, 1828.

*Tortrix adjunctana*, *Treit.* E. S. viii. 54, 1830.

*Tortrix sineana*, *Frey.* N. B. i. 175, t. 18, f. 1, 1833.

Var.? a. *Tortrix Laviceana*, *Dup.* L. F. ix. 83, t. 239, f. 4, 1834.

## 2. LOZOTÆNIA SORBIANA. The Hazel T. B. M.

*Tortrix Sorbiana*, *Hüb.* To. t. 18, f. 113, 1801.

*Lozotænia Sorbiana*, *Wood*, I. E. 129, t. 29, f. 849, 1835.

*Tortrix Avellana*, *Haw.* L. B. 421, 1812.

*Lozotænia Avellana*, *Step.* H. iv. 70, 1834.

## 3. LOZOTÆNIA DUMETANA. The Thicket T.

*Tortrix dumetana*, *Treit.* Sup. x. 3, t. 60, 1835.

*Tortrix Cratægana*, *Frey.* N. B. i. 94, t. 48, f. 4, 1833.

## 4. LOZOTÆNIA TRANSITANA. The Maple T. B. M.

*Tortrix transitana*, *Guén.* (*Ann. E. S. Fr.* 2 Ser. iii. 138, 1845).

*Id.* *Mi.* 4.

*Tortrix Acerana*, *Haw.* L. B. 425, 1812.

*Lozotænia Aceriana*, *Step.* H. iv. 79, 1834. *Wood*, I. E. 132,  
t. 29, f. 869.



## 5. LOZOTÆNIA CINNAMOMEANA. The Cinnamon T.

*Tortrix cinnamomeana*, *Treit. S.* viii. 61, 1830. *Fisch. v. R.*  
12, t. 9, f. 2, *a—c*, 1834.

*Lozotænia cinnamomeana*, *Step. H.* iv. 71, 1834. *West. & H.*  
*M.* ii. 110, t. 79, *b*. 20, 1844.

*Tortrix croceana*, *Fröl. To. W.* 36, 1828.

## 6. LOZOTÆNIA HEPARANA. The Dark Oblique Bar.

B. M.

*Tortrix heparana*, *Schiff. (W. V.)* 128, 1776).

*Lozotænia heparana*, *Step. H.* iv. 71, 1834. *Wood, I. E.* 129.  
t. 29, f. 850.

*Tortrix Padana*, *Schr. F. B.* ii. 2, No. 1755.

*Tortrix Carpiniana*, *Hüb. To.* t. 18, f. 116, 1801. *Step. (C. ii.)*  
169, 1829).

*Tortrix Pasquayana*, *Fröl. T. W.* 36, 1828.

*Pyralis fasciana*, *Fab. ? M.* ii. 230, 1787.

Var. *a.* *Tortrix Pasquayana*, *Schiff. (W. V.)* 318, 1776).

Var. *b.* *Tortrix rubrana*, *Bull. S. I. Mosc.* ii. 71, t. 1, f. 5, 1830,  
*teste Treit. Sup.* x. 3, 245.

## 7. LOZOTÆNIA RIBEANA. The Common Oblique Bar.

B. M.

*Tortrix Ribeana*, *Hüb. To.* t. 18, f. 114, 1801.

*Lozotænia Ribeana*, *Step. H.* iv. 72, 1834. *Wood, I. E.* 130.  
t. 29, f. 852.

Var. *a.* *Tortrix Cerasana*, *Hüb. To.* t. 19, f. 119, 1801.

*Lozotænia Cerasana*, *Step. H.* iv. 72, 1834. *Wood, I. E.* 130,  
t. 29, f. 854.

*Tortrix Avellana*, *Fröl. T. W.* 36, 1828.

Var. *b.* *Tortrix flavana*, *Dup. ? L. F.* ix. 87, t. 239, f. 6, 1834.

*Lozotænia Grossulariana*, *Step. (C. ii.)* 170, 1829). *Step. H.* iv.  
72, 1834. *Wood, I. E.* 130. t. 29, f. 853.

## 8. LOZOTÆNIA CORYLANA. The Great Checquered T.

B. M.

*Pyralis Corylana*, *Fab. E. S.* iii. *b*, 260, 1794.

*Lozotænia Corylana*, *Step. H.* iv. 73, 1834. *Wood, I. E.* 130,  
t. 29, f. 855.

*Tortrix textana*, *Hüb. To.* t. 11, f. 115, 1801.

## 9. LOZOTÆNIA UNIFASCIANA. The Saffron T. B. M.

*Tortrix unifasciana*, Dup. *L. F. Sup.* 135, t. 61, f. 6, 1842.

*Tortrix croceana*, Haw. *L. B.* 424, 1812.

*Lozotænia croceana*, Step. *H.* iv. 73, 1834. Wood, *I. E.* 130, t. 29, f. 856.

*Tortrix obliterana*, Heyden, *MSS.*

Var. ? *a.* *Tortrix consimilana*, Hüb. ? *To.* t. 38, f. 239, 1813.

## 10. LOZOTÆNIA PICEANA.\* The Pine Hook-tipped T.

*Phalæna-To. piceana*, Lin. *S. Nat.* i. 531, 1758.

*Tortrix piceana*, Ratz. *F. I.* ii. 213, t. 14, f. 6, 6, ♂ et ♀, 1840.

♂. *Tortrix Xylosteana*, Hüb. *To.* t. 42, f. 264, 1814.

♀. *Phalæna-To. oporana*, Lin. *S. Nat.* i. 530, 1758.

*Tortrix Hermanniana*, Schiff. ? (*W. V.* 317, 1776).

*Lozotænia dissimilana*, Bent. *Zool.* iii. 1000, 1845, 6.

## b. CACOECIA.

*Cacoecia*, Hüb. *V.* 388, 1816.

## 11. LOZOTÆNIA FULVANA. The Great Hook-tipped T. B. M.

*Tortrix Rosana*, Fröl. *To. W.* 32, 1828. Step. *H.* iv. 75, 1834.

*Tortrix Ameriana*, Treit. *S.* viii. 49, 1830.

♂. *Tortrix Pyrastrana*, Hüb. *To.* t. 20, f. 124, 1801.

*Tortrix fulvana*, Schiff. ? (*W. V.* 128, 1776).

*Lozotænia fulvana*, Step. (*C.* ii. 170, 1829).

*Tortrix Gemningiana*, Haw. *L. B.* 428, 1812.

♀. *Tortrix congenerana*, Hüb. *To.* t. 47, f. 295, 1822.

*Tortrix oporana*, Haw. *L. B.* 427, 1812.

*Lozotænia oporana*, Step. *H.* iv. 75, 1834. Wood, *I. E.* 131, t. 29, f. 860.

*Lozotænia Rosana*, Step. *H.* iv. 75, 1834. Wood, *I. E.* 131, t. 29, f. 861, ♂.

Var. *a.* *Lozotænia fuscana*, Step. (*C.* ii. 170, 1829):

*Lozotænia Rosana*, ♀, Wood, *I. E.* t. 29, f. 861.

Var. ? *b.* *Tortrix vulpisana*, H.-Schaff. *S. To.* t. 5, f. 34.

## 12. LOZOTÆNIA ROBORANA. The Oak Hook-tipped T. B. M.

*Tortrix Roborana*, *Hüb. To.* t. 20, f. 126, 1801.

*Lozotænia Roborana*, *Step. H.* iv. 77, 1834. *Wood, I. E.* 131, t. 29, f. 864.

*Tortrix piceana*, *Fröl. T. W.* 31, 1828.

*Tortrix Xylosteana*, var., *Treit. S.* viii. 56, 1830.

♂. *Tortrix Roborana*, *Hüb. To.* t. 20, f. 126, 1801.

♀. *Tortrix Cratægana*, *Hüb. To.* t. 17, f. 107, 1801.

*Lozotænia Cratægana*, *Step. H.* iv. 75, 1830.

*Lozotænia Branderiana*, *Step. (C. ii.)* 170, 1829). *Wood, I. E.* 131, t. 29, f. 862.

## 13. LOZOTÆNIA XYLOSTEANA. The Forked Red-bar. B. M.

*Phalæna-To. Xylosteana*, *Lin. S. Nat.* i. 531, 1758.

*Lozotænia Xylosteana*, *Step. H.* iv. 76, 1830. *Wood, I. E.* 131, t. 29, f. 863.

♀. *Tortrix Characterana*, *Hüb. To.* t. 20, f. 125, 1801.

Var. a. *Tortrix obliquana*, *Haw. L. B.* 421, 1812.

*Lozotænia obliquana*, *Step. H.* iv. 27, 1834. *Wood, I. E.* 131, t. 29, f. 865.

*Tortrix cinnamomea*, ♀ ? *Doub. (L.)* 21, 1850).

## 14. LOZOTÆNIA ROSANA. The Rose T. B. M.

*Phalæna-To. Rosana*, *Lin. S. Nat.* i. 530, 1758.

*Tortrix lævigana*, *Schiff. (W. V.)* 129, 1776).

*Lozotænia lævigana*, *Step. H.* iv. 74, 1834. *Wood, I. E.* 130, t. 29, f. 857.

♂. *Phalæna-To. Avellana*, *Lin. ? S. Nat.* i. 531, 1758.

*Pyralis variana*, *Fab. M.* ii. 231, 1787.

*Tortrix Acerana*, *Hüb. To.* t. 19, f. 118, 1801.

♀. *Tortrix Oxyacanthana*, *Hüb. To.* t. 18, f. 117, 1801.

Var. ♂. *Phalæna Ameriana*, *Lin. S. Nat.* i. 531, 1758.

Var. a. *Tortrix Viburnana*, *Haw. L. B.* 435, 1812.

Var. b. *Tortrix Branderiana*, *Haw. L. B.* 424, 1812.

Var. c. *Tortrix fuscana*, *Haw. L. B.* 424, 1812.

Var. d. *Tortrix Rosana*, *Haw. L. B.* 424, 1812.

*Lozotænia nebulana*, *Step. H.* iv. 74, 1834. *Wood, I. E.* 130, t. 29, f. 858.

## 15. LOZOTÆNIA SEMIALBANA. The Scorched Oblique-bar.

*Tortrix semialbana*, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 139, 1845.  
*Id. Mi.* 5.

*Tortrix Modeeriana*, *Haw. L. B.* 423, 1812.

*Lozotænia Modeeriana*, *Step. H.* iv. 78, 1834. *Wood, I. E.* 132, t. 30, f. 868.

*Tortrix consimilana*, *Treit. S.* viii. 75, 1830.

*Tortrix croceana*, *Cur. Ann. & M. Nat. Hist. 2 Ser.* v. 110, 1850.

## c. PHILEDONE.

*Philedone*, p., *Hüb. V.* 389, 1816.

## 16. LOZOTÆNIA COSTANA. The Straw Oblique-bar. B. M.

*Tortrix costana*, *Schiff. (W. V.)* 127, 1776).

*Lozotænia costana*, *Step. H.* iv. 78, 1834. *Wood, I. E.* 132, t. 29, f. 866.

*Tortrix Gnomana*, *Hüb. To.* t. 21, f. 131, 1801.

*Phalæna Betulana*, *Don. B. I.* xi. 26, t. 369, f. 2, 1806.

♀. *Pyralis costana*, *Fab. M.* ii. 227, 1787.

Var. a. *Tortrix vinculana*, *Treit. S.* viii. 74, 1830.

## d. NEPHODESME.

*Nephodesme*, p., *Hüb. V.* 290, 1816.

## 17. LOZOTÆNIA BRANDERIANA. The Branderian T. B. M.

*Phalæna-To. Branderiana*, *Lin. S. Nat.* i. 531, 1758.

*Phalæna-To. fuscana*, *Clerck, Ic.* t. 4, f. 7, 1759.

*Tortrix maurana*, *Hüb. To.* t. 19, f. 122, 1801.

*Pœcilochroma maurana*, *Step. H.* iv. 141, 1834. *Wood, I. E.* 152, t. 34, f. 1033.

Var. a. *Tortrix viduana*, *Dup. L. F.* ix. 493, t. 262, f. 1, 1834.

*Tortrix Donzelana*, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 140, 1845.

*Id. (Mi.)* 6).

## 5, (361). DICHELIA.

Dichelia, *Guén.* (*Ann. E. S. Fr.* 2 Ser. iii. 141, 1845). *Id.*  
(*Mi.* 7).

Epagoge, p., *Hüb. V.* 389, 1816.

## 1. DICHELIA GROTIANA. The Grotian T. B. M.

*Pyralis Grotiana*, *Fab. Sp. I. Sup.* ii. 508, 1781.

*Lozotænia Grotiana*, *Step. H.* iv. 79, 1834. *Wood, I. E.* 132,  
t. 30, f. 871.

*Tortrix flavana*, *Hüb. To.* t. 21, f. 133, 1801.

Var. *a.* *Lozotænia ochreana*, *Step. H.* iv. 80, 1834. *Wood, I. E.*  
132, t. 30, f. 872.

## 6, (362). AMPHISA.

*Amphisa*, *Curt. B. E.* v. fo. 109, 1829.

*Amphysa*, *Guén.* (*Ann. E. S. Fr.* 2 Ser. iii. 141, 1845). *Id.*  
(*Mi.* 7).

*Philedone*, p., *Hüb. V.* 389, 1816. *Step. H.* iv. 81, 1834.

## 1. AMPHISA GERNINGIANA. The Gerningian T. B. M.

*Tortrix Gerningiana*, *Schiff. (W. V.)* 318, 1776).

*Amphisa Gerningiana*, *Step. (C.)* ii. 172, 1829).

*Philedone Gerningiana*, *Step. H.* iv. 82, 1834. *Wood, I. E.*  
133, t. 30, f. 876.

*Tortrix pectinana*, *Hüb. To.* t. 17, f. 108, 1801.

## 2. AMPHISA PRODROMANA. The Early T.

*Tortrix prodromana*, *Hüb. Lar. To.* iv. *Gen. B.* c, f. 2, a—c.

*Amphisa Walkerana*, *Cur. B. E.* v. t. 209, 1828. *Step. H.* iv.  
82, 1834.

*Tortrix lunana*, *Thunb. I. S.* 24, 1784.

## 7, (363). CENECTRA.

*Cenectra*, *Guén.* (*Ann. E. S. Fr.* 2 Ser. iii. 142, 1845). *Id.*  
(*Mi.* 8).

*Sparganothis*, p., *Hüb. V.* 386, 1816.

*Cenophthira*, *Dup. C.* 288, 1846.

*Ænectra*, *Doub. (L.)* 21, 1850).

## I. CENECTRA PILLERIANA.\* The Vine T.

*Tortrix Pilleriana*, *Schiff.* (*W. V.* 126, 1776). *Step. H.* iv. 396, 1835.

*Pyralis Pillerana*, *Fab. E. S.* iii. 2, 251, 1794.

*Pyralis Vitis*, *Bosc. Mem. S. Agri.* 22, t. 4, f. 6, 1786.

*Pyralis Vitana*, *Fab. E. S.* iii. 2, 249, 1794.

*Tortrix luteolana*, *Hüb. To.* t. 21, f. 136, 1801. *Wood, I. E.* 242, t. 52, f. 1677.

*Pyralis Danticana*, *Walkan. Ann. E. S. Fr.* v. 275, 1836.

*Xanthosetia luteolana*, *West. & H. M.* ii. 179, t. 91, f. 16, 1844.

## 8, (364). SARROTHRIPA.

*Sarrothripa*, *Guén.* (*Ann. E. S. Fr. 2 Ser.* iii. 136, 1845.) *Id.* (*Mi.* 2).

*Sarrothripus*, *Curt. B. E.* i. 29, 1825.

*Axia*, *Hüb. V.* 395 (non 249), 1816.

*Penthina A.*, *Treit. E. S.* viii. 22, 1830.

## I. SARROTHRIPA REVAYANA. The Large Marbled T. B. M.

*Tortrix revayana*, *Schiff.* (*W. V.* 130, 1776).

*Pyralis rivagana*, *Fab. M.* ii. 233, 1786.

*Sarrothripa rewayana*, *Guén.* (*Ann. E. S. Fr. 2 Ser.* iii. 136, 1845).

Var. *a.* *Pyralis Ilicana*, *Fab. S. I.* 283, 1781.

*Sarrothripus Ilicanus*, *Step. H.* iv. 147, 1834.

*Sarrothripus Afzelianus*, *Wood, I. E.* 154, t. 35, f. 1045.

Var. *b.* *Tortrix punctana*, *Hüb. To.* t. 2, f. 9, 1801.

Var. *c.* *Tortrix ramosana*, *Hüb. To.* t. 2, f. 10, 1801.

Var. *d.* *Sarrothripus Stonanus*, *Cur.* (*G.* iii. 203, 1837). *West. & H. M.* ii. 152, t. 91, f. 17, 1844.

*Tortrix ramosana*, *Dup. L. F. Sup.* iv. 119, t. 60, f. 5, 1842.

Var. *e.* *Sarrothripus ramulanus*, *Curt. B. E.* i. t. 2, 29, 1824. *Step. H.* iv. 147, 1834.

Var. *f.* *Phalæna-To. Afzeliana*, *Gmel. P. S. N.* v. 2518, 1788.

*Sarrothripus Afzelianus*, *Step. H.* iv. 147, 1834.

*Sarrothripus Ilicanus*, *Wood, I. E.* 154, t. 34, f. 154, 1833.

Var. *g.* *Phalæna-To. Lathamiana*, *Gmel. P. S. N.* v. 2518, 1788.

*Sarrothripus Lathamianus*, *Step. H.* iv. 146, 1834.

*Phalæna Ilicana*, *Don. P. B. I.* x. 85, t. 357, f. 2, 1801.

- Var. *h.* Tortrix dilutana, *Hüb. To.* t. 2, f. 6, 1801.  
 Sarrothripus dilutanus, *Step. H.* iv. 146, 1834.
- Var. *i.* Sarrothripus dilutanus, *Wood, I. E.* 153, t. 34, f. 1043.  
 Sarrothripus Ilicanus, *Wood, I. E.* 153, t. 34, f. 1044.
- Var. *j.* Tortrix undulana, *Hüb. To.* t. 2, f. 7, 1801.  
 Sarrothripus undulanus, *Step. H.* iv. 146, 1834. *Wood, I. E.*  
 153, t. 34, f. 1041.
- Var. *k.* Tortrix degenerana, *Hüb. To.* t. 2, f. 8, 1801.  
 Sarrothripus degeneranus, *Step. H.* iv. 146, 1834. *Wood, I. E.*  
 153, t. 34, f. 1040.
- Var. ? *l.* <sup>?</sup> Phalæna bifasciana, *Don. B. I.* x. 86, t. 357, f. 3, 1801.

## 9, (365). OXIGRAPHA.

- Oxigrapa, *Hüb. V.* 386, 1816.  
 Leptogramma, *Cur. (G.* 173, 1831). *Id. B. E.* x. fo. 440, 1833.

## a. OXIGRAPHA.

- Oxigrapa, *Hüb. V. ut supra.*  
 Glyphiptera, A., *Dup. L. F.* xi. 123, 1834.  
 Phloiophila (*Gen. Coleop.* 1830), *Dup. L. F.* xi. 19, 1834.

1. OXIGRAPHA LITERANA. The Sprigged Green T. B. M.
- Phalæna-To. literana, *Lin. S. Nat.* i. 530, 1758.  
 Tortrix literana, *Hüb. To.* t. 15, f. 89, 90, 1801.  
 Leptogramma literana, *Wood. I. E.* 161, t. 36, f. 1098.
- Var. *a.* Pyralis Romanana, *Fab. M.* ii. 234, 1787.  
 Tortrix literana, *Hüb. To.* t. 15, f. 88, 1801.  
 Oxigrapa notulana, *Hüb. (V.* 386, 1816).  
 Leptogramma literana, var., *Step. H.* iv. 164, 1834.
- Var. *b.* Tortrix asperana, *Schiff. (W. V.* 130, 1776).  
 Pyralis squamana, *Fab. S. E.* 651, 1775.  
 Phalæna squamana, *Don. B. I.* v. 51, t. 157, f. 7, 1796.  
 Leptogramma squamana, *Step. H.* iv. 164, 1834.  
 Tortrix squamulana, *Hüb. To.* t. 15, f. 93, 94, 1801.
- Var. *c.* Tortrix squamulana, *Hüb. To.* t. 15, f. 95, 1801.
- Var. *d.* Tortrix irrorana, *Hüb. To.* t. 15, f. 96, 1801.  
 Leptogramma irrorana, *Step. H.* iv. 165, 1834. *Wood, I. E.*  
 161, t. 36, f. 1100.

- Var. *e.* *Tortrix tricolorana*, *Haw. L. B.* 188, 1812.  
*Leptogramma tricolorana*, *Step. H.* iv. 165, 1834. *Wood, I. E.* 161, t. 36, f. 1101.
- Var. *f.* *Oxigrapa ærugana*, *Hüb. (V.* 386, 1816).  
*Leptogramma fulvomixtana*, *Step. (C.* ii. 188, 1829). *Id. H.* iv. 166, 1834. *Wood, I. E.* 161, t. 36, f. 1102.
- Var. *g.* *Tortrix suavana*, *H.-Schæff. ? S. To.* t. 1, f. 1.

2. OXIGRAPHA SCOTANA. The Scotch T.

*Leptogramma Scotana*, *Guén. MSS. teste Doub.* (*L.* 21, 1850).

3. OXIGRAPHA SCABRANA. The Gray Rough-wing. B. M.

*Pyralis scabrana*, *Fab. Sp. I.* ii. 284, 1781.  
*Acleris scabrana*, *Step. H.* iv. 163, 1834.  
*Leptogramma scabrana*, *Wood, I. E.* 160, t. 36, f. 1097, 1833.  
*Glyphiptera Ulmana*, *Dup. ? L. Fr.* xi. 138, t. 242, f. 7, 1834.  
*Leptogramma Parisiana*, *Guén. ? Ann. E. S. Fr. 2 Ser.* iii. 142, 1845.

b. APHANIA.

*Aphania*, *Hüb. V.* 386, 1816.

4. OXIGRAPHA BOSCANA. The Boscan T. B. M.

- Pyralis Boscana*, *Fab. E. S.* iii. b, 269, 1794.  
*Acleris Cerusana*, *Step. H.* iv. 162, 1834.  
*Paramesia Cerusana*, *Wood, I. E.* 160, t. 36, f. 1096, 1813.
- Var. *a.* *Tortrix Cerusana*, *Hüb. To.* t. 11, f. 63, 1801.

10, (366). PERONEA.

*Peronea*, *Curt. B. E.* i. fo. 16, 1825.  
*Teras †††*, *Guén. (Ann. E. S. Fr. 2 Ser.* iii. 145, 1845). *Id.* (*Mi.* 11).



## a. ECLECTIS.

Eclectis, *Hüb. V.* 385, 1816.

1. PERONEA CRISTANA. The Button T. B. M.

*Tortrix cristana*, *Schiff. (W. V.)* 129, 1776.

Var. *a.* *Pyralis cristana*, *Fab. M.* ii. 233, 1787.

*Peronea cristana*, *Step. H.* iv. 152, 1834. *Wood, I. E.* 156, t. 35, f. 1060.

*Pyralis Ehippana*, *Fab. E. S. Sup.* 479, 1798.

*Peronea Lefeburiana*, *Dup. L. F.* xi. 163, t. 244, f. 6, 1834.

Var. *b.* *Peronea alboflammana*, *Cur. l. c. infra.* *West. & H. M.* ii. 158, t. 94, f. 3, 1844.

Var. *c.* *Tortrix albipunctana*, *Haw. MSS. Step. (C. ii.* 185, 1829).

Var. *d.* *Peronea albipuncta*, *Cur. l. c. infra.*

*Peronea albipunctana*, *Step. H.* iv. 152, 1834. *Wood, I. E.* 156, t. 35, f. 1061.

Var. *e.* *Peronea ruficostana*, *Cur. B. E. i. t. 16,* 1824. *Step. H.* iv. 153, 1834.

Var. *f.* *Peronea subvittana*, *Step. (C. ii.* 185, 1829). *Id. H.* iv. 152, 1834. *Wood, I. E.* 156, t. 35, f. 1059.

Var. *g.* *Peronea Capuzina*,\* *Johns. Ann. N. H.* 1842. *Desv. Zool.* iii. 841, 1845.

*Peronea Capucina*, *West. & H. M.* ii. 162, t. 95, f. 16, 1844.

Var. *h.* *Peronea subcapuzina*, *Desv. Zool.* 842, 1845.

Var. *i.* *Peronea Curtisana*, *Desv. Zool.* 842, 1845.

Var. *j.* *Peronea insulana*, *Cur. l. c. supra.* *Desv. Zool.* 843, 1845. *West. & H. M.* ii. 156, t. 93, f. 6, 1844.

Var. *k.* *Peronea combustana*, *Dup. L. F.* xi. 157, t. 244, f. 2, 1834.

Var. *l.* *Peronea xanthovittana*, *Desv. Zool.* 841, 1845.

Var. *m.* *Pyralis Rossiana*, *Fab. E. S.* iii. b, 259, 1798.

Var. *n.* *Pyralis profanana*, *Fab. E. S.* iii. b, 268, 1798.

*Peronea profanana*, *Step. H.* iv. 149, 1834. *Wood. I. E.* 154, t. 35, f. 1047.

*Peronea unicolorana*, *Desv. Zool.* 841, 1845.

Var. *o.* *Pyralis Desfontianana*, *Fab. E. S.* iii. b, 268, 1798.

*Peronea Desfontianana*, *Step. H.* iv. 150, 1834. *Wood, I. E.* 155, t. 35, f. 1054.

Var. *p.* *Tortrix sericana*, *Hüb. To.* t. 14, f. 83, 1801.

- Var. *q.* *Peronea consimilana*, *Step.* (*C.* ii. 185, 1829). *Id. H.* iv. 150, 1834. *Wood, I. E.* 155, t. 35, f. 1053.
- Var. *r.* *Peronea Lichenana*, *Cur. B. E. l. c. supra.*
- Var. *s.* *Peronea albovittana*, *Step.* (*C.* ii. 185, 1829). *Id. H.* iv. 151, t. 36, f. 2. 1834). *Wood, I. E.* 155, t. 35, f. 1056.
- Var. *t.* *Peronea fulvocristana*, *Step.* (*C.* ii. 185, 1829). *Id. H.* iv. 151, 1834. *Wood, I. E.* 155, t. 35, f. 1055.
- Var. *u.* *Peronea Tolana*, *Desv.* (*Zool.* 842, 1845).
- Var. *v.* *Tortrix spadiceana*, *Haw. L. B.* 412, 1812.  
*Peronea spadiceana*, *Step. H.* iv. 150, 1834. *Wood, I. E.* 155, t. 35, f. 1052.
- Var. *w.* *Peronea substriana*, *Step.* (*C.* ii. 185, 1829). *Id. H.* iv. 149, 1834. *Wood, I. E.* 154, t. 35, f. 1049.
- Var. *x.* *Peronea brunneana*, *Step.* (*C.* 185, 1829). *Id. H.* iv. 149, 1834. *Wood, I. E.* 154, t. 35, f. 1050.  
*Peronea brunnea*, *Cur.* (*G.* ii. *Col.* 203, 1837).
- Var. *y.* *Peronea vittana*, *Step.* (*C.* ii. 185, 1829). *Id. H.* iv. 150, 1834. *Wood, I. E.* 154, t. 35, f. 1051.
- Var. *z.* *Peronea Chantana*, *Cur. B. E. l. c. supra.* *West. & H. M.* ii. 156, t. 93, f. 4, 1844.
- Var. *aa.* *Phalæna cristalana*, *Don. B. I.* iii. t. 77, f. 1, 2, 1794.  
*Peronea cristalana*, *Step. H.* iv. 152, 1834.
- Var. *bb.* *Peronea fulvovittana*, *Step.* (*C.* ii. 185, 1829). *Id. H.* iv. 151, 1834. *Wood, I. E.* 155, t. 35, f. 1055.
- Var. *cc.* *Peronea subcristalana*, *Cur. B. E. l. c. supra.* *West. & H. M.* ii. 155, t. 93, f. 1, 1844.
- Var. *dd.* *Peronea sequana*, *Cur. B. E. l. c. supra.*
- Var. *ee.* *Tortrix striana*, *Haw. L. B.* 413, 1812.  
*Peronea striana*, *Step. H.* iv. 149, 1834. *Wood, I. E.* 154, t. 35, f. 1048.
- Var. *ff.* *Peronea fulvostriana*, *Desv. Zool.* 843, 1845.
- Var. *gg.* *Peronea assimilana*, *Step. MSS.*
- Var. *hh.* *Peronea semiustana*, *Cur. B. E. l. c. supra.*
- Var. *ii.* *Peronea Bentleyana*, *Cur. B. E. l. c. supra.* *West. & H. M.* ii. 14, t. 92, f. 5, 1844.

## 2. PERONEA HASTIANA. The Sham Button T.

B. M.

*Phalæna-To. Hastiana*, *Lin. Clerck, Ic.* t. 2, f. 7, 1759.

Var. *a.* *Tortrix scabrana*, *Schiff. (W. V.)* 130, 1776).

*Pyralis elevana*, *Fab. M.* ii. 234. 1787.

Var. *b.* *Peronea obsoletana*, *Step. H.* iv. 156, 1834. *Wood, I. E.* 157, t. 35, f. 1074.

- Var. *c.* *Tortrix scabrana*, *Hüb. To.* t. 10, f. 58, 1801.  
*Tortrix sparsana*, *Fröl. ? T. W.* 20, 1828.
- Var. *d.* *Tortrix sponsana*, *Schiff. (W. V.)* 129, 1776).  
*Pyralis sponsana*, *Fab. ? M.* ii. 225, 1787.
- Var. *e.* *Tortrix aquilana*, *Hüb. To.* t. 37, f. 235, 1813.
- Var. *f.* *Tortrix radiana*, *Hüb. To.* 28, f. 177, 1801.  
*Peronea radiana*, *Step. H.* iv. 154, 1834. *Wood, I. E.* 156, t. 35, f. 1065.
- Var. *g.* *Peronea strigana*, *Step. (C.)* ii. 185, 1829).
- Var. *h.* *Peronea divisana*, *Step. H.* iv. 153, t. 34, f. 1, 1834.
- Var. *i.* *Peronea ramostriana*, *Step. (C.)* ii. 186, 1829). *Id. H.* iv. 154, 1834. *Wood, I. E.* 156, t. 35, f. 1066.
- Var. *j.* *Tortrix centrovittana*, *Haw. MSS.*  
*Peronea centrovittana*, *Step. H.* iv. 154, 1834. *Wood, I. E.* 156, t. 35, f. 1067.
- Var. *k.* *Tortrix Mayrana*, *Hüb. To.* t. 53, f. 335, 1836.
- Var. *l.* *Tortrix albistriana*, *Haw. L. B.* 412, 1812.  
*Peronea albistriana*, *Step. H.* iv. 155, 1834. *Wood, I. E.* 157, t. 35, f. 1069.
- Var. *m.* *Tortrix combustana*, *Hüb. To.* t. 37, f. 234, 1813.  
*Peronea combustana*, *Step. H.* iv. 154, 1834. *Wood, I. E.* 157, t. 35, f. 1068.
- Var. *n.* *Peronea subcristana*, *Step. (C.)* ii. 186, 1829). *Id. H.* iv. 155, 1834. *Wood, I. E.* 157, t. 35, f. 1071.
- Var. *o.* *Tortrix autumnana*, *Hüb. ? To.* t. 39, f. 247, 1814.  
*Peronea autumnana*, *Step. H.* iv. 155, 1834. *Wood, I. E.* 157, t. 35, f. 1070.
- Var. *p.* *Peronea leucopheana*, *Bentley. West & H. M.* ii. 158, t. 94, f. 7, 1844.
- Var. *q.* *Teras sparsana*, *Treit. S.* viii. 257, 1830.  
*Tortrix Hastiana*, *Fröl. T. W.* 23, 1828.
- Var. *r.* *Tortrix coronana*, *Thunb. I. S.* 18, t. 2, fig. 1791.  
*Peronea coronana*, *Step. H.* iv. 156, 1834. *Wood, I. E.* 157, t. 35, f. 1072.  
*Tortrix eximiana*, *Haw. L. B.* 413, 1812.
- Var. *s.* *Tortrix Byringerana*, *Hüb. To.* t. 10, f. 61, 1801.  
*Eclectis Bollingerana*, *Hüb. (V.)* 385, 1816).
- Var. *t.* *Tortrix Buringerana*, *Hüb. To.* t. 34, f. 216, 1812.
- Var. *u.* *Peronea Byringerana*, *Step. H.* iv. 156, 1834. *Wood, I. E.* t. 35, f. 1073.

## b. LOPAS.

Lopas, *Hüb. V.* 384, 1816.

## 3. PERONEA UMBRANA. The Dark-streaked Button T. B. M.

*Tortrix umbrana*, *Hüb. To.* t. 10, f. 69, 1801.

*Peronea umbrana*, *Step. H.* iv. 353, 1834. *Wood, I. E.* 156, t. 35, f. 1063.

*Glyphiptera radiana*, *Dup. L. F.* xi. 246, t. 243, f. 6, 1834.

## 4. PERONEA MACCANA. The Marbled Button T.

*Tortrix maccana*, *Treit. ? E. S.* x. iii. 133, 1835.

*Peronea marmorana*, *Bentley, MSS.* *West. & H. M.* ii. 159, t. 94, f. 9, 1844.

## 5. PERONEA RUFANA. The Bay-streak T. B. M.

*Tortrix rufana*, *Schiff. (W. V.)* 129, 1776).

*Teras lucidana*, *Treit. E. S.* viii. 260, 1830.

*Tortrix lucidana*, *H.-Schæff. S. To.* t. 3, f. 20.

*Tortrix densana*, *Frey. N. B.* i. 175, t. 18, f. 4, 1833.

*Peronea crassana*, *Dup. L. F. Supp.* iv. 138, t. 61, f. 9, 10, 1842.

Var. *a.* *Peronea albicostana*, *Step. (C.)* ii. 186, 1829). *Id. H.* iv. 158, 1834. *Wood, I. E.* 158, t. 35, f. 1079.

Var. *b.* *Tortrix bistriana*, *Haw. L. B.* 399, 1812.

*Peronea bistriana*, *Step. H.* iv. 157, 1834. *Wood, I. E.* 158, t. 35, f. 1078.

*Peronea crassana*, *Dup. L. F. l. c.*, t. 61, f. 10.

Var. *c.* *Peronea similana*, *Step. (C.)* ii. 186, 1829). *Id. H.* 158, 1834. *Wood, I. E.* 158, t. 35, f. 1080.

Var. *d.* *Peronea Lorquiniana*, *Dup. ? L. F.* xi. 165, t. 244, f. 7, 1834.

*Depressaria atomella*, *Wood, I. E.* t. 38, f. 1181, 1836.

## c. ACALLA.

Acalla, p., *Hüb. V.* 383, 1816.

## 6. PERONEA LIPSIANA. The Kindred T.

*Tortrix Lipsiana*, *Schiff.* (*W. V.* 129, 1776). *Hüb. ? To.* t. 28, f. 180, 1801.

*Tortrix Lipsiana*, *H.-Schæff. S. To.* t. 3, f. 18.

*Teras Hæmyliana*, *Guén. teste Doub.* (*L.* 21, 1850). (Prec. var. ?)

## d. ACLERIS.

*Acleris*, p., *Hüb. V.* 384, 1816.

## 7. PERONEA? FAVILLACEANA. The Ash-coloured T. B. M.

*Tortrix favillaceana*, *Hüb. To.* t. 11, f. 62, 1801.

*Peronea favillaceana*, *Step. H.* iv. 156, 1834. *Wood, I. E.* 157, t. 35, f. 1075.

Var. *a.* *Tortrix reticulana*, *Haw. L. B.* 409, 1812.

*Peronea reticulana*, *Step. H.* iv. 157, 1834. *Wood, I. E.* 158, t. 35, f. 1077.

Var. *b.* *Tortrix tristana*, *Haw. L. B.* 410, 1812.

*Peronea tristana*, *Step. H.* iv. 157, 1834. *Wood, I. E.* 158, t. 35, f. 1076.

Var. *c.* *Teras lividana*, *Treit. (E. S. x.* 3, 136, 1835).

## 8. PERONEA? SCHALLERIANA. The Schallerian T. B. M.

*Phalæna-To. Schalleriana*, *Lin. F.* ii. No. 1339, 1761.

*Peronea Schalleriana*, *Step. H.* iv. 159, 1834.

*Peronea rufana*, *Wood, I. E.* 159, t. 36, f. 1086.

Var. *a.* *Tortrix Schalleriana*, *Hüb. To.* t. 46, f. 288, 1822.

*Tortrix latifasciana*, *Haw. L. B.* 414, 1812. *West. & H. M.* ii. 159, t. 94, f. 10, 1844.

9. *PERONEA?* *COMPARANA*. The Red Triangle T. B. M.  
*Tortrix comparana*, *Hüb. To.* t. 46, f. 284, 1822.  
*Tortrix rufana*, *Haw. L. B.* 417, 1812.  
*Peronea rufana*, *Step. H.* iv. 160, 1834.  
 Var. *a.* *Peronea costimaculana*, *Step. (C. ii.* 187, 1829). *Id. H.* iv. 160, 1834. *Wood, I. E.* 159, t. 36, f. 1087.  
 Var. *b.* *Acleris costimaculana*, *West. & H. M.* ii. 163, t. 96, f. 1, 1844.  
 Var. *c.* *Pyralis laterana*, *Fab. E. S.* iii. b, 264, 1794.
10. *PERONEA?* *CALEDONIANA*. The Caledonian T.  
*Peronea Caledoniana*, *Bentley, MSS. (teste Doub. L.* 22, 1850).  
*Peronea boreana*, —? *MSS.*
11. *PERONEA?* *PERMUTANA*. The Buff Rough Wing. B. M.  
*Glyphiptera permutana*, *Dup. L. F.* xi. 499, t. 262, f. 4, 1835.
12. *PERONEA?* *VARIEGANA*. The Rough Wing. B. M.  
*Tortrix variegana*, *Schiff. (W. V.* 130, 1776). *Haw. L. B.* 414, 1812.  
*Peronea variegana*, *Step. H.* iv. 160, 1834. *Wood, I. E.* 159, t. 36, f. 1089.  
 Var. *a.* *Tortrix variegana*, *Schiff. l. c. supra.*  
*Tortrix cristana*, *Hüb. To.* t. 10, f. 55. 1801.  
 Var. *b.* *Tortrix Osbeckiana*, *Thunb. I. S.* 19, fig. adj. 1784.  
*Pyralis Abildgaardana*, *Fab. E. S.* iii. b, 274, 1798.  
 Var. *c.* *Pyralis asperana*, *Fab. G. M.* 292, 1777.  
*Peronea asperana*, *Step. H.* iv. 160, 1834. *Wood, I. E.* 159, t. 36, f. 1088.  
*Tortrix nyctemerana*, *Hüb. To.* t. 38, f. 240, 1813.  
*Tortrix variegana*, *Fröl. T. W.* 20, 1828.  
 Var. *d.* *Tortrix Borana*. *Haw. L. B.* 415, 1812.  
*Peronea Borana*, *Step. H.* iv. 161, 1834. *Wood, I. E.* 159, t. 36, f. 1090.  
 Var. *e.* *Peronea cirrana*, *Cur. (G. ii.* 202, 1837).  
*Peronea variegana*, *West. & H. M.* ii. t. 95, f. 12, 1844.  
 Var. *f.* *Peronea albana*,\* *West. & H. M.* ii. 162, t. 95, f. 17, 1844.

13. PERONEA? TRISTANA. The Protean T. B. M.
- Tortrix tristana, *Hüb. To.* t. 9, f. 50, 1801.  
 Acleris Logiana, *Hüb. (V. 384, 1816)*.  
 Teras Proteana, var., *Guén. Ann. E. S. Fr. 2 Ser. iii. 146, 1845*.
- Var. a. Tortrix Logiana, *Hüb. To.* t. 34, f. 217, 1812.  
 Lopas falsana, *Hüb. (V. 384, 1816)*.  
 Tortrix Germarana, *Fröl. ? T. W. 24, 1828*.
- Var. b. Peronea trigonana, *Step. (C. ii. 127, 1829)*. *Id. H. iv. 159, 1834*. *Wood, I. E. 159, t. 36, f. 1084*.
- Var. c. Tortrix Logiana, *Schiff. (W. V. 1776)*. *Hüb. To.* t. 11, f. 64, 1801.  
 Peronea Logiana, *Step. H. iv. 161, 1834*. *Wood, I. E. 160, t. 36, f. 1091*.
- Var. d. Tortrix Boscana, *Haw. L. B. 415, 1812*.  
 Peronea Boscana, *Step. H. iv. 159, 1834*. *Wood, I. E. 158, t. 36, f. 1083*.
- Var. e. Tortrix plumbosana, *Haw. L. B. 415, 1812*.  
 Peronea plumbosana, *Step. H. iv. 158, 1834*. *Wood, I. E. 158, t. 36, f. 1082*.  
 Pyralis plumbeana, *Fab. ? M. ii. 225, 1787*.
- Var. ? f. Peronea semirhombana, *Cur. ? (G. ii. 202, 1837)*.
- Var. g. Peronea fagana, *Cur. ? (G. ii. 202, 1837)*.

## 11, (367). PARAMESIA.

- Paramesia, *Step. (C. ii. 187, 1829)*.  
 Acleris, p., *Hüb. (V. 384, 1816)*.  
 Acleris, *Step. H. iv. 161, 1834*.  
 Glyphiptera, D. p., *Dup. L. F. xi. 135, 1834*.  
 Teras ††††, *Guén. (Ann. E. S. Fr. 2 Ser. iii. 146, 1845)*. *Id. (Mi. 12)*.

## 1. PARAMESIA SHEPHERDANA. The Shepherdian T. B. M.

- Paramesia Shepherdana, *Step. MSS*.  
 Phalæna rufana, *Scop. ? E. C. 235, No. 591, 1763*.

## 2. PARAMESIA FERRUGANA. The Rusty Rough Wing T. B. M.

*Tortrix ferrugana*, Schiff. (*W. V.* 128, 1776).

*Tortrix tripunctana*, Hüb. *To.* t. 20, f. 129, 1801.

*Acleris triana*, Hüb. (*V.* 384, 1816).

*Tortrix gnomana*, Haw. *L. B.* 417, 1812.

*Acleris gnomana*, Step. *H.* iv. 162, 1834.

*Paramesia gnomana*, Step. (*C.* ii. 187, 1829). *Wood, I. E.* 160, t. 36, f. 1093.

*Tortrix ochreana*, Fröl. ? *T. W.* 25, 1828.

*Teras Proteana*, Guén. *Ann. E. S. Fr. 2 Ser.* iii. 145, 1845.

Var. *a.* *Tortrix rufana*, Hüb. *To.* t. 20, f. 127, 1801.

*Tortrix tripunctulana*, Haw. *L. B.* 417, 1812.

*Acleris tripunctulana*, Step. *H.* iv. 163, 1834.

*Paramesia tripunctulana*, Step. (*C.* ii. 187, 1829). *Wood, I. E.* 160, t. 36, f. 1094.

Var. *b.* *Tortrix bifidana*, Haw. *L. B.* 417, 1812.

*Acleris bifidana*, Step. *H.* iv. 163, 1834.

*Paramesia bifidana*, Step. (*C.* iv. 187, 1829). *Wood, I. E.* 160, t. 36, f. 1095.

Var. *c.* *Tortrix brachiana*, Frey. *N. B.* i. 175, t. 18, f. 2, 1833.

*Pyralis approximana*, Fab. ? *E. S. Sup.* 478, 1798.

*Teras æstivana*, Guén. *olim, vide Mi.* 13, 1845.

Var. *d.* *Phalæna notana*, Don. *B. I.* xi. 27, t. 369, f. 3, 1806.

## 3. PARAMESIA ASPERSANA. The Red Rough Wing T.

*Tortrix adpersana*, Hüb. ? *To.* t. 41, f. 259, 1814.

*Acleris aspersana*, West. & H. *M.* ii. 163, t. 96, f. 2, 3, 1844.

*Tortrix ferrugana*, var., Treit. *E. S.* x. 3, 262, 1835.

*Acleris subtripunctulana*, Step. *H.* iv. 162, 1834.

*Parasemia subtripunctulana*, Step. (*C.* ii. 187, 1829). *Wood, I. E.* 160, t. 36, f. 1092.

## 12, (368). CHEIMATOPHILA.

*Cheimatophila*, Step. (*C.* ii. 189, 1822). *Id. H.* iv. 172, 1834.

*Sparganothis*, p., Hüb. (*V.* 386, 1816).

*Teras*†, p., Guén. (*Ann. E. S. Fr. 2 Ser.* iii. 143, 1845). *Id.* (*Mi.* 9).



## 1. CHEIMATOPHILA MIXTANA. The Winter T. B. M.

*Tortrix mixtana*, *Hüb. To.* t. 34, f. 215, 1810.

*Tortrix castaneana*, *Haw. ? L. B.* 410, 1812.

*Cheimatophila castaneana*, *Step. H.* iv. 172, t. 36, f. 3, 1834.

*Wood, I. E.* 163, t. 36, f. 1114, 1835.

Var. *a.* *Tortrix hyemana*, *Haw. L. B.* 412, 1812.

Var. *b.* *Tortrix nigripunctana*, *Step. MSS. olim.*

## 13, (369). TERAS.

*Teras*, *Treit. (E. S.* vii. 233, 1829).

*Teras*, *A., Treit. E. S.* viii. 247, 1830.

*Glyphisia*, *Step. (C.* ii. 188, 1829).

*Phacodia*, t., *Hüb. V.* 384, 1816.

*Peronea*††, *Guén. (Ann. S. E. Fr. 2 Ser.* iii. 140, 1845). *Id.*  
(*Mi.* 14).

## 1. TERAS CAUDANA. The Notch Wing T. B. M.

*Pyralis caudana*, *Fab. S. E.* 651, 1775.

*Tortrix effractana*, *Hüb. To.* t. 28, f. 175, 1801.

Var. *a.* *Teras caudana*, *Step. H.* iv. 168, 1834.

*Glyphisia caudana*, *Wood, I. E.* 162, t. 36, f. 1106, 1836.

Var. *b.* *Teras effractana*, *Step. H.* iv. 168, 1834.

*Glyphisia effractana*, *Wood, I. E.* 162, t. 36, f. 1105.

Var. *c.* *Pyralis effractana*, *Fröl. T. W.* 27, 1828.

*Phalæna emargana*, *Don. B. I.* iii. 91, t. 106, f. 1, 1795.

Var. *d.* *Pyralis emargana*, *Fab. S. E.* 651, 1775.

*Glyphisia emargana*, *Step. (C.* ii. 188, 1829). *Wood, I.*  
*E.* 161, t. 36, f. 1103.

*Teras emargana*, *Step. H.* iv. 167, t. 38, f. 1, 1834.

Var. *e.* *Glyphisia ochracea*, *Step. (C.* ii. 188, 1829).

*Teras ochracea*, *West. & H. M.* ii. 166, t. 97, f. 6, 1844.

Var. *f.* *Tortrix excavana*, *Haw. L. B.* 408, 1812.

*Glyphisia excavana*, *Step. (C.* ii. 188, 1829). *Wood, I. E.* 161,  
t. 36, f. 1104.

*Teras excavana*, *Step. H.* iv. 167, 1834.

## 14, (370). DICTYOPTERYX.

Dictyopteryx, *Step.* (*C.* ii. 189, 1829). *Id.* *H.* iv. 168, 1834.  
 Aleimma, *Hüb. To.* 391, 1816.

## a. PERONEA.

Peronea†, *Guén.* (*Ann. S. E. Fr.* 2 Ser. iii. 198, 1845). *Id.*  
 (*Mi.* 14).

## 1. DICTYOPTERYX CONTAMINANA. The Chequered Pebble T. B.M.

*Tortrix contaminana*, *Hüb. To.* t. 22, f. 142, 1801.

*Dictyopteryx contaminana*, *Step. H.* iv. 169, 1834. *Wood, I.*  
*E.* 162, t. 36, f. 1107.

*Phalæna-Py. Xylostearia*, *Haw. (Pr.* 32, 1802).

Var. *a.* *Tortrix ciliana*, *Hüb. To.* t. 27, f. 171, 1801.

*Dictyopteryx ciliana*, *Step. H.* iv. 169, 1834.

*Phalæna obscurana*, *Don. B. I.* xii. 40, t. 374, f. 2, 1807.

Var. *b.* *Tortrix rhombana*, *Haw. L. B.* 418, 1812.

*Dictyopteryx rhombana*, *Step. H.* iv. 170, 1834. *Wood, I. E.*  
 162, t. 36, f. 1109.

Var. ? *c.* *Tortrix dimidiana*, *Hüb. To.* t. 48, f. 299, 1828.

## 2. DICTYOPTERYX? ULIGINOSANA.\* The Bog T.

*Dictyopteryx uliginosana*, *Doub. (L.* 22, 1850).

*Bactra uliginosana*, *Bentley, MSS. West. & H. M.* ii. 139,  
 t. 87, f. 12, 1844.

*Tortrix atrosignana*, *H.-Schæff. S. To.* t. 51, f. 350.

## b. DICTYOPTERYX.

Dictyopteryx, *Guén.* (*Ann. E. S. Fr.* 2 Ser. iii. 149, 1845).  
*Id.* (*Mi.* 15).

## 3. DICTYOPTERYX LÆFLINGIANA. The Læflingian T. B. M.

Phalæna-To. Læflingiana, *Lin. S. Nat.* i. 531, 1758.

Dictyopteryx Læflingiana, *Step. H.* iv. 170, 1834. *Wood, I. E.* 162, t. 36, f. 1111.

Var. *a.* Tortrix plumbana, *Hüb. To.* t. 9, f. 54, 1801.

Dictyopteryx plumbana, *Step. H.* iv. 170, 1834. *Wood, I. E.* 162, t. 36, f. 1110.

Aleimma Ameriana, *Hüb. (V.)* 391, 1816).

Var. *b.* Tortrix ectypana, *Hüb. To.* t. 30, f. 190, 1801.

## 4. DICTYOPTERYX FORSKALEANA. The Forskalian T. B. M.

Phalæna-To. Forskaleana, *Lin. S. Nat.* i. 531, 1758.

Dictyopteryx Forskaleana, *Step. H.* iv. 171, 1834.

Dictyopteryx Forskaliana, *Wood, I. E.* 163, t. 36, f. 1112, 1836.

## 15, (371). CROESIA.

Croesia, *Hüb. V.* 392, 1816.

Dictyopteryx††, *Guén.* (*Ann. E. S. Fr.* 2 Ser. iii. 149, 1845).  
*Id.* (*Mi.* 15).

## a. LOZOTÆNIA.

Lozotænia, *p., Step. (C.)* ii. 171, 1829).

## 1. CROESIA HOLMIANA. The Holmian T. B. M.

Phalæna-To. Holmiana, *Lin. S. Nat.* i. 532, 1758.

Lozotænia Holmiana, *Step. H.* iv. 81, 1834. *Wood, I. E.* 133, t. 30, f. 874.

## b. ARGYROTOZA.

Argyrotoza, p., *Step.* (C. ii. 189, 1829).

## 2. CROESIA BERGMANNIANA. The Bergmannian T. B. M.

Phalæna-To. Bergmanniana, *Lin. S. Nat.* i. 532, 1758.

Argyrotoza Bergmanniana, *Step. H.* iv. 173, 1834. *Wood, I.*

*E.* 163, t. 36, f. 1115.

Tortrix Boscana, *Hüb. To.* t. 22, f. 137, 1801.

## 16, (372). ARGYROTOZA.

Argyrotoza, *Step.* (C. ii. 189, 1829). *Id. H.* iv. 173, 1834.

Croesia, p., *Hüb. V.* 392, 1816.

## 1. ARGYROTOZA CONWAYANA. The Conwayian T. B. M.

Pyralis Conwayana (Conwagana), *Fab. S. E.* 653, 1775.

Argyrotoza Conwayana, *Step. H.* iv. 174, 1834. *Wood, I. E.*

163, t. 37, f. 1117.

Tortrix Hofmanseggana, *Hüb. To.* t. 24, f. 150, 1801.

Tortrix Spixiana, *Fröhl. T. W.* 76, 1828.

Var. a. Tortrix Hofmanseggiana, *Haw. L. B.* 406, 1812.

Argyrotoza Hoffmanseggiana, *Step. H.* iv. 174, 1834. *Wood,*

*I. E.* 163, t. 36, f. 1116.

Var. b. Argyrotoza subaurantiana, *Step.* (C. ii. 190, 1829). *Id.*

*H.* iv. 175, 1834. *Wood, I. E.* 163, t. 37, f. 1118.

## 17, (373). PTYCHOLOMA.

Ptycholoma, *Step.* (C. ii. 183, 1829). *Id. H.* iv. 141, 1834.

Panoplia, p., *Hüb. V.* 393, 1816.

## 1. PTYCHOLOMA LECHEANA. The Lechean T. B. M.

Phalæna-To. Lecheana, *Lin. S. Nat.* i. 531, 1758.

Ptycholoma Lecheana, *Step. H.* iv. 142, 1834. *Wood, I. E.*

152, t. 34, f. 1034.

Var. a. Ptycholoma obsoletana, *Step. H.* iv. 142, 1834. *Wood, I.*

*E.* 153, t. 34, f. 1035.

## 18, (374). EULIA.

*Eulia*, *Hüb. V.* 392, 1816.

*Lophoderus*, *Step. (C. ii.* 184, 1829). *Id. H.* iv. 143, 1834.

*Rhyacionia*, p., *Hüb. V.* 379, 1816.

*Lozotænia*, p., *Guén. (Mi.* 6, 1845).

## 1. EULIA MINISTRANA. The Yellow-barred Iron T. B. M.

*Phalæna-To. ministrana*, *Lin. S. Nat.* i. 531, 1758.

*Lophoderus ministranus*, *Step. H.* iv. 144, 1834. *Wood, I. E.* 153, t. 34, f. 1038.

*Tortrix ferrugana*, *Hüb. To.* t. 10, f. 56, 1801.

Var. *a.* *Lophoderus subfascianus*, *Step. (C. ii.* 184, 1829). *Id. H.* iv. 144, 1834. *Wood, I. E.* 153, t. 34, f. 1039.

Var. *b.* *Tortrix ferrugana*, *Dup. L. F.* xi. 478, t. 261, f. 2, 1835.

## Sub.-Fam. III. PENTHINIDI.

*Penthinidi*, *Guén. (Ann. E. S. Fr. 2 Ser.* iii. 151, 1845). *Id. (Mi.* 17).

## 19, (375). BRACHYTÆNIA.

*Brachytænia*, *Step. MSS.*

*Ditula*, *Guén. (Ann. E. S. Fr. 2 Ser.* iii. 151, 1845). *Id. (Mi.* 17).

*Pædisca*, p., *Cur. B. E.* xii. fo. 571, 1835.

## a. BRACHYTÆNIA.

*Brachytænia*, *Step. ut supra.*

## 1. BRACHYTÆNIA SEMIFASCIANA. The Short-barred Gray T. B.M.

*Tortrix semifasciana*, *Haw. L. B.* 431, 1812.

*Ditula semifasciana*, *Step. H.* iv. 86, 1834. *Wood, I. E.* 134, t. 30, f. 885.

*Tortrix acutana*, *Treit. E. S. Sup.* x. 3, 68, 1835.

*Sericoris elutana*, *Dup. L. F.* xi. 530, t. 264, f. 1, 1836.

## b. APHANIA.

Aphania, p., *Hüb. V.* 386, 1816.

[B. M.]

## 2. BRACHYTÆNIA HARTMANNIANA. The Short-barred White T.

Phalæna-To. Hartmanniana, *Lin.º F.* ii. 345, No. 1322, 1761.

Tortrix lineana, *Schiff. (W. V.)* 131, 1776).

Tortrix scriptana, *Hüb. To.* t. 17, f. 110, 1801.

Ditula scriptana, *Step. H.* iv. 86, 1834. *Wood, I. E.* 134, t. 30, f. 884.

## 20, (376). ANTITHESIA.

Antithesia, *Step. (C.)* ii. 172, 1829). *Id. H.* iv. 86, 1834.

Penthina B., *Treit. E. S.* viii. 24, 1834.

Penthina, *Guén. (Ann. E. S. Fr. 2 Ser.)* iii. 151, 1845). *Id. (Mi.)* 17).

## a. APOTOMIS.

Apotomis, *Hüb. V.* 380, 1816.

## 1. ANTITHESIA CORTICANA. The Marbled Long-cloak T. B. M.

Tortrix corticana, *Hüb. To.* t. 3, f. 13, 1801.

Antithesia corticana, *Step. H.* iv. 87, 1834. *Wood, I. E.* 135, t. 30, f. 886.

Apotomis turbidana, *Hüb. (V.)* 380, 1816).

Tortrix picana, *Fröl. T. W.* 49, 1828.

Penthina Capræana, *Dup. L. F.* xi. t. 245, f. 4, b, 1834.

Penthina Hartmanniana, var., *Treit. E. S. Sup.* x. 3, 46, 1835.

Penthina picana, *Guén. (Ann. E. S. Fr. 2 Ser.)* iii. 151, 1845).

## 2. ANTITHESIA BETULÆTANA. The Birch Long-cloak T. B. M.

Tortrix Betulætana, *Haw. L. B.* 432, 1812.

Antithesia Betulætana, *Step. H.* iv. 87, 1834. *Wood, I. E.* 134, t. 30, f. 887.

Penthina Capræana, *Dup. L. F.* xi. t. 245, f. 4, a, 1834.

Penthina leucomelana, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 152, 1845. *Id. Mi.* 18.

3. ANTITHESIA CAPRÆANA. The Sallow Long-cloak T. B. M.  
 Tortrix Capræana, *Hüb. To.* t. 40, f. 250, 1814.
4. ANTITHESIA OCHROLEUCANA. The Ochreous Long-cloak T. [B. M.]  
 Tortrix ochroleucana, *Hüb. To.* t. 48, f. 304, 1828.  
 Penthina Gentianana, ♂, *Dup. L. F.* xi. t. 245, f. 7, 1834.  
 Antithesia tripunctata, *Wood, I. E.* 134, t. 30, f. 888.
5. ANTITHESIA PRÆLONGANA. The Narrow-winged Long-cloak T.  
 Penthina prælongana, *Guén. Ann. E. S. Fr.* 2 Ser. iii. 152, 1845. *Id. Mi.* 18.  
 Tortrix Betulætana, *H.-Schæff. S. To.* t. 35, f. 251.
6. ANTITHESIA SORORCULANA. The Allied Long-cloak T.  
 Penthina sororculana, *Zett. F. L.* 977, 1840.
7. ANTITHESIA CYNOSBATELLA. The Rose Long-cloak T. B. M.  
 Phalæna-Ti. Cynosbatella, *Lin. S. Nat.* i. 536, 1758. *Don. B. I.* x. t. 355, f. 3, 1801.  
 Tortrix tripunctana, *Haw. L. B.* 432, 1812.  
 Antithesia tripunctana, *Step. H.* iv. 88, 1835.  
 Tortrix pæcilana, *Fröl. T. W.* 49, 1828.  
 Tortrix variegana, *Hüb. To.* t. 3, f. 14, 1801.  
 Penthina variegana, *Guén. Ann. E. S. Fr.* 2 Ser. iii. 152, 1845. *Id. Mi.* 18. (*non W. V.*)  
 Var. a. Tortrix nubiferana, *Haw. L. B.* 431, 1812.  
 Spilonota nubiferana, *Step. H.* iv. 91, 1834. *Wood, I. E.* 135, t. 30, f. 896.
8. ANTITHESIA PRUNIANA. The Lesser Long-cloak T. B. M.  
 Tortrix Pruniana, *Hüb. To.* t. 3, f. 15, 1801.  
 Antithesia Pruniana, *Step. H.* iv. 88, 1834. *Wood, I. E.* 135, t. 30, f. 890.  
 Phalæna-To. fasciana, *Lin. F.* ii. 342, No. 1304, 1761.  
 Var. a. Antithesia pullana, *Wood, I. E.* 135, t. 30, f. 891, 1835.

## 9. ANTITHESIA DIMIDIANA. The Dotted Long-cloak T. B. M.

*Penthina dimidiana*, *Treit. E. S. Sup.* x. 3, 46, 1835.

*Penthina ochromelana*, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 152, 1845. *Id. Mi.* 18.

Var. *a.* *Penthina atropunctana*, *Zett. ? F. L.* 977, 1840.

*Penthina ? Weaverana*, *Dale, MSS. (Zool.* iii. 847, 1845).

## 10. ANTITHESIA SAUCIANA.\* The Dark Long-cloak T.

*Tortrix sauciana*, *Hüb. To.* t. 48, f. 305, 1828.

## 11. ANTITHESIA GREVILLANA. The Grevillian Long-cloak T.

*Penthina Grevillana*, *Cur. B. E.* xii. t. 567, 1835.

## b. ENDOTHENIA.

*Endothenia*, *Step. MSS.*

## 12. ANTITHESIA SELLANANA. The Dingy-marbled T.

*Tortrix sellana*, *Hüb. To.* t. 52, f. 331, 1835.

*Tortrix pullana*, *Haw. ? L. B.* 434, 1812.

*Antithesia pullana*, *Step. H.* iv. 88, 1834.

## 13. ANTITHESIA GENTIANANA. The Gentian T. B. M.

*Tortrix Gentianæana*, *Hüb. ? To.* t. 3, f. 12, 1801.

*Tortrix Gentianæana*, *Step. H.* iv. 89, 1834. *Wood, I. E.* 135, t. 30, f. 894.

*Penthina Gentianana*, *Hüb. (V.* 380, 1816).

## 14. ANTITHESIA MARGINANA. The Bordered Long-cloak T. B. M.

*Penthina sellana*, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 153, 1845.

*Penthina sauciana*, *Dup. L. F.* xi. 501, t. 262, f. 5, 1835.

♂. *Tortrix marginana*, *Haw. L. B.* 433, 1812.

*Antithesia marginana*, *Step. H.* iv. 89, 1834. *Wood, I. E.* 135, t. 30, f. 892.

♀. *Tortrix oblongana*, *Haw. L. B.* 433, 1812.

*Antithesia oblongana*, *Step. H.* iv. 89, 1834. *Wood, I. E.* 135, t. 40, f. 893.



## c. SPILONOTA.

Spilonota, *Step. H.* iv. 96, 1834.

## 15. ANTITHESIA USTULANA. The Scorched Blunt-wing T.

*Tortrix ustulana*, *Haw. L. B.* 467, 1812.

*Spilonota ustulana*, *Step. H.* iv. 96, 1834. *Wood, I. E.* 137.  
t. 31, f. 912.

## 21, (377). PENTHINA.

*Penthina*, *Treit. E. S.* vii. 227, 1829.

*Pendina* (*Penthina*) t. *Treit. l. c. supra.*

*Hedya*, p., *Hüb. V.* 380, 1816.

*Antithesia B.*, *Step. H.* iv. 89, 1834.

*Antithesia*, *Guén. (Ann. E. S. Fr. 2 Ser. iii.* 153, 1845). *Id.*  
(*Mi.* 19).

## 1. PENTHINA SALICELLA. The White-back T.

B. M.

*Phalæna-Ti. Salicella*, *Lin. S. Nat.* i. 536, 1758.

*Antithesia Salicella*, *Step. H.* iv. 89, 1834. *Wood, I. E.* 135,  
t. 30, f. 895.

## Sub-Fam. IV. SPILONOTIDI.

*Spilonotidi*, *Guén. (Ann. E. S. Fr. 2 Ser. iii.* 154, 1845). *Id.*  
(*Mi.* 20).

## 22, (378). PARDIA.

*Pardia*, *Guén. (Ann. E. S. Fr. 2 Ser. iii.* 155, 1845). *Id.*  
(*Mi.* 21).

*Epiblema*, p., *Hüb. V.* 376, 1816.

## 1. PARDIA TRIPUNCTANA. The Black-cloaked T. B. M.

*Tortrix tripunctana*, *Schiff.* (*W. V.* 131, 1776).

*Tortrix ocellana*, *Hüb. To.* t. 4, f. 18, 1801.

*Tortrix Cynosbana*, *Haw. L. B.* 430, 1812.

*Spilonota Cynosbatella*, *Step. H.* iv. 91, 1834. *Wood, I. E.* 136, t. 30, f. 897.

## 23, (379). SPILONOTA.

*Spilonota*, *Step. (C.)* 173, 1829). *Id. H.* iv. 90, 1834.

*Penthina B.*, p., *Treit. S.* viii. 24, 1830.

## a. HEDYA.

*Hedya*, p., *Hüb. V.* 380, 1816.

## 1. SPILONOTA ROBORANA. The Brown-cloaked T. B. M.

*Tortrix Roborana*, *Schiff.* (*W. V.* 131, 1776).

*Tortrix aquana*, *Hüb. To.* t. 4, f. 17, 1801.

*Spilonota aquana*, *Step. H.* iv. 91, 1834. *Wood, I. E.* 136, t. 30, f. 898.

*Spilonota Cynosbana*, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 155, 1845. *Id. Mi.* 21.

## 2. SPILONOTA ROSÆCOLANA. The Rose Brown-cloak T.

*Spilonota Rosæcolana*, *Doub. (L.)* 23, 1850). *Id. Zool.* viii. *App.* 106, 1850.

## 3. SPILONOTA TRIMACULANA. The Triple Blotched T. B. M.

*Tortrix trimaculana*, *Haw. L. B.* 442, 1812.

*Spilonota trimaculana*, *Step. H.* iv. 91, 1834. *Wood, I. E.* 136, t. 30, f. 899.

*Aspidia Cynosbana*, *Dup. L. F.* xi. t. 245, f. 1, 1834.

*Penthina suffusana*, *Köllar, Isis*, 211, 1846.

*Tortrix suffusana*, *H.-Schäff. S. To.* t. 25, f. 178.

## 4. SPILONOTA AMÆNANA. The Pretty Short-cloak T.

*Penthina amænana*, *Dup. L. F. Sup.* iv. 422, t. 84, f. 3, 1843.

*Tortrix amænana*, *Hüb. ? To.* t. 39, f. 248, 1814.

*Spilonota amænana*, *Doub. (L. 23, 1850)*.

## 5. SPILONOTA NEGLECTANA. The Neglected Short-cloak T. B. M.

*Penthina neglectana*, *Dup. L. F. Sup.* xi. 509, t. 89, f. 3, 1845.

*Tortrix sociana*,  $\beta$ ., *Haw. L. B.* 434, 1812.

*Spilonota dealbana*, var., *Guén. (Ann. E. S. Fr. 2 Ser. iii. 155, 1845)*. *Id. (Mi. 21)*.

## 6. SPILONOTA DEALBANA. The White Short-cloak T. B. M.

*Tortrix dealbana*, *Fröl. T. W.* 51, 1828.

*Penthina minorana*, *Treit. E. S.* viii. 43, 1830.

*Tortrix incarnana*, *Haw. L. B.* 435, 1812.

*Anticlea sociana*, *Step. H.* iv. 115, 1834. *Wood, I. E.* 144, t. 32, f. 965.

Var. *a.* *Anticlea incarnana*, *Step. H.* iv. 115, 1834. *Wood, I. E.* 144, t. 32, f. 966.

Var. *b.* *Anticlea Paykulliana*, *Wood, I. E.* 144, t. 32, f. 967, 1835.

## 7. SPILONOTA ALNETANA? The Alder Short-cloak T.

*Spilonota Alnetana*, *Guén. ? Ann. E. S. Fr. 2 Ser. iii. 154, 1845*. *Id. Mi. 20*.

## 8. SPILONOTA ACERIANA. The Maple Short-cloak T.

*Pædisca Aceriana*, *Mann, C. 3.* *Dup. L. F. Sup.* iv. 418, t. 83, f. 12, 1843 (non *Fisch.-v.-R.*).

*Tortrix sociana*, *a.*, *Haw. L. B.* 434, 1812.

## b. NOTOCELIA.

Notocelia, p., *Hüb. V.* 380, 1816.

## 9. SPILONOTA OCELLANA. The Cream Short-cloak T. B. M.

*Tortrix ocellana*, *Schiff. (W. V.)* 130, 1776).

*Pyralis luscana*, *Fab. E. S. iii. b.* 255, 1794.

*Tortrix comitana*, *Hüb. To. t. 3, f.* 16, 1801. *Haw. L. B.* 434, 1812.

*Spilonota comitana*, *Step. H. iv.* 92, 1834. *Wood, I. E.* 136, t. 30, f. 900.

## c. PHANETA.

*Phaneta*, *Step. MSS.*

## 10. SPILONOTA PAUPERANA. The Early Short-cloak T.

*Tortrix pauperana*, *Parreys, C. H.-Schæff. S. To. t.* 53, f. 374 (non *Fisch.-v.-R.*).

*Tortrix Paykulliana?* *Haw. L. B.* 435, 1812.

*Anticlea Paykulliana?* *Step. H. iv.* 116, 1834.

## Sub-Fam. V. GRAPHOLITHIDI.

*Grapholithidi*, *Guén. (Ann. E. S. Fr. 2 Ser. iii.)* 169, 1845). *Id. (Mi.)* 35).

## 24, (380). LITHOGRAPHIA.

*Lithographia*, *Step. MSS.*

*Grapholitha*, *Guén. (Ann. E. S. Fr. 2 Ser. iii.)* 171, 1845). *Id. (Mi.)* 37).

*Grapholitha A.*, p., *Treit. E. S. viii.* 203, 1830.

*Phoxopteris*, *Cur. (G.)* 170, 1831).

*Anticlea*, *Step. H. iv.* 113, 1834.

## a. NOTOCELIA.

Notocelia, p., *Hüb. V.* 380, 1816.

## 1. LITHOGRAPHIA PAYKULLIANA. The Paykullian T. B. M.

*Pyralis Paykulliana*, *Fab. M.* ii. 237, 1787.

*Tortrix fimbriana*, *Thunb. I. S.* 44, t. 2, f. 3, 1791.

*Anticlea fimbriana*, *Step. H.* iv. 116, 1834. *Wood, I. E.* 144, t. 32, f. 968, 1835.

*Tortrix sesquilunana*, *Haw. L. B.* 435, 1812.

Var. a. *Tortrix triquetrana*, *Hüb. To.* t. 45, f. 280, 1816. *Id.* t. 53, f. 336, ♀, 1836.

Var. b. *Grapholitha costana*, *Dup. L. F.* xi. 510, t. 263, f. 1, 1836.

## 2. LITHOGRAPHIA NISELLA. The Poplar Blotch-back T. B. M.

*Phalæna-Ti. nisella*, *Clerck, Ic.* t. 12, f. 6, 1759.

*Pyralis Bæberana*, *Fab. M.* ii. 239, 1787.

Var. a. *Phalæna Pavonana*, *Don. B. I.* ii. 59, 61, t. 58, f. 3, 1793.

*Steganoptycha Pavonana*, *Step. H.* iv. 107, 1834. *Wood, I. E.* 141, t. 32, f. 941.

*Tortrix Rubiana?* *Haw. L. B.* 450, 1812.

Var. b. *Tortrix silaceana*, *Hüb. To.* t. 31, f. 196, 1801.

Var. c. *Tortrix rhombifasciana*, *Haw. L. B.* 451, 1812.

*Steganoptycha rhombifasciana*, *Step. H.* iv. 108, 1834. *Wood, I. E.* 141, t. 32, f. 944.

Var. d. *Tortrix Bæberana*, *Haw. L. B.* 450, 1812.

*Steganoptycha Bæberana*, *Step. H.* iv. 107, 1834. *Wood, I. E.* 141, t. 32, f. 942.

Var. e. *Tortrix petrana*, *Hüb. To.* t. 33, f. 210, 1805?

*Tortrix cuspidana*, *Haw. L. B.* 451, 1812.

*Steganoptycha cuspidana*, *Step. H.* iv. 107, 1834. *Wood, I. E.* 141, t. 32, f. 943.

Var. f. *Tortrix decorana*, *Hüb. To.* t. 42, f. 265, 1814.

Var. g. *Tortrix stictana*, *Haw. L. B.* 451, 1812.

*Steganoptycha stictana*, *Step. H.* iv. 108, 1834. *Wood, I. E.* 142, t. 32, f. 945.

3. LITHOGRAPHIA CINERANA. The Mottled Gray T. B. M.  
*Tortrix cinerana*, *Haw. L. B.* 451, 1812.  
*Steganoptycha cinerana*, *Step. H.* iv. 108, 1834. *Wood, I. E.*  
 142, t. 32, f. 946.

- [B. M.]  
 4. LITHOGRAPHIA NIGROMACULANA. The Beautiful Marbled T.  
*Tortrix nigromaculana*, *Haw. To.* 436, 1812.  
*Anticlea nigromaculana*, *Step. H.* iv. 114, 1834. *Wood, I. E.*  
 144, t. 32, f. 962.  
*Tortrix Freyerana*, *Fisch.-v.-R.* 135, t. 51, f. 3, a—c, 1838.  
 Var. a. *Tortrix albana*, *Haw. L. B.* 436, 1812.  
*Anticlea albana*, *Step. H.* iv. 114, 1834. *Wood, I. E.* 144, t.  
 32, f. 963.

5. LITHOGRAPHIA CAMPOLILIANA. The Retuse Marbled T. B. & M.  
*Tortrix Campoliliana*, *Schiff. (W. V.)* 318, 1776).  
*Phalæna subocellana*, *Don. B. I.* xi. 59, t. 380, f. 1, 1806.  
*Anticlea subocellana*, *Step. H.* iv. 116, 1834. *Wood, I. E.*  
 145, t. 32, f. 970.  
 Var. a. *Tortrix decorana*, *Haw. L. B.* 437, 1812.  
*Anticlea asseclana*, *Step. H.* iv. 117, 1834. *Wood, I. E.* 145,  
 t. 32, f. 971.

#### b. ASTHENIA.

*Asthenia*, p., *Hüb. V.* 381, 1816.

6. LITHOGRAPHIA MINUTANA? The Brindled Marbled T.  
*Tortrix minutana*, *Hüb.?* *To.* t. 12, f. 73, 1801.

#### c. PHIARIS.

*Phiaris*, *Hüb. V.* 381, 1816.

7. LITHOGRAPHIA TRIMACULANA. The Elm Marbled T. B. M.  
*Phalæna trimaculana*, *Don. B. I.* xi. 25, f. 369, f. 1, 1806.  
*Tortrix Mitterbachiana*, *Haw. L. B.* 463, 1812.  
*Anticlea Mitterbachiana*, *Step. H.* iv. 117, 1834.

Grapholitha lithoxylana, *Dup. L. Fr.* xi. 291, t. 250, f. 7, 1835.

Grapholita Ulmariana, *Zeller, teste Guén. Ann. E. S. Fr.* 2. Ser. iii. 171, 1845. *Id. (Mi.)* 37).

Var. a. Grapholitha Stannana, *Guén. olim, vide Mi.* 37.

8. LITHOGRAPHIA EXCRUCIANA. The Dingy Red T.

Lithographia excruciana, *Step. MSS.* (An. Pr. var. ?)

9. LITHOGRAPHIA PENKLERIANA. The Variable Red T. B. M.

Tortrix Penkleriana, *Schiff. (W. V.)* 126, 1776.

Tortrix Mitterbacheriana, *Pz. F.* 81, f. 23, 1799.

Tortrix retusana, *Haw. L. B.* 453, 1812.

Anchylopera retusana, *Step. H.* iv. 108, 1834. *Wood, I. E.* 142, t. 32, f. 947.

[B. M.]

10. LITHOGRAPHIA OBTUSANA. The Blunt-winged Blotch-back T.

Tortrix obtusana, *Haw. L. B.* 453, 1812.

Anchylopera obtusana, *Step. H.* iv. 110, 1834. *Wood, I. E.* 142, t. 32, f. 949.

Phoxopteria derasana, *Dup. L. F.* xi. 514, t. 263, f. 3, 1836.

Grapholita distortana, *Guén. Ann. E. S. Fr.* 2 Ser. iii. 172, 1845. *Id. Mi.* 38.

♀. Anchylopera consobrinana, *Cur. (G.)* 169, 1831).

d. EUDEMIS.

Eudemis, p., *Hüb. V.* 382, 1816.

11. LITHOGRAPHIA NÆVANA. The Marbled Single Dot T. B. M.

Tortrix nævana, *Hüb. To.* t. 41, f. 261, 1814.

Tortrix unipunctana, *Haw. L. B.* 454, 1812.

Steganoptycha unipunctana, *Step. H.* iv. 106, 1834. *Wood, I. E.* 141, t. 32, f. 939.

12. LITHOGRAPHIA GEMINANA. The Twin-spot Single Dot T.

Lithographia geminana, *Step. MSS.*

Grapholita dorsivittana, *Zeller?*

## 25, (381). PHLÆODES.

Phlæodes, *Guén. (Ann. E. S. Fr. 2 Ser. iii. 172, 1845). Id. (Mi. 38).*

Epinotia, p. ? *Hüb. V. 377, 1816.*

Steganoptycha, p., *Step. (C. iv. 176, 1829). Id. H. iv. 105, 1834.*

## 1. PHLÆODES TETRAQUETRANA. The Single Dot T. B. M.

*Tortrix tetraquetra*, *Haw. L. B. 454, 1812.*

*Steganoptycha tetraquetra*, *Step. H. iv. 105, 1834. Wood, I. E. 141, t. 31, f. 937.*

*Tortrix frutetana*, *Hüb. To. t. 47, f. 393, 394, 1823.*

Var. a. *Tortrix angulana*, *Haw. L. B. 455, 1812.*

*Steganoptycha angulana*, *Step. H. iv. 106, 1834. Wood, I. E. 141, t. 37, f. 938.*

## 2. PHLÆODES IMMUNDANA. The Angle-barred Single Dot T. [B. M.]

*Tortrix immundana*, *Fisch.-v.-R. Mi. 138, t. 53, f. 2, a—d, 1839.*

Var. a. *Tortrix triquetra*, *Haw. L. B. 454, 1812.*

*Steganoptycha triquetra*, *Step. H. iv. 106, 1834. Wood, I. E. 141, t. 32, f. 940.*

## 3. PHLÆODES DEMARNIANA. The Blotched Single Dot T. B. M.

*Tortrix Demarniana*, *Fisch.-v.-R. M. 106, t. 65, f. 3, a b, 1839.*

*Anticlea nævana*, *Step. H. iv. 115, 1834. Wood, I. E. 144, t. 32, f. 964.*

## 4. PHLÆODES CRENANA? The Notched Single Dot T.

*Tortrix crenana*, *Hüb. ? To. t. 38, f. 242, 1812.*

*Pædisca monachana*, *Fisch.-v.-R. ? M. 139, t. 53, f. 3, a—d, 1834.*



## 26, (382). ANCHYLOPERA.

- Anchylopera, *Step.* (*C.* ii. 177, 1829). *Id. H.* iv. 109, 1834.  
 Ancylys, p., *Hüb.* V. 376, 1816.  
 Epicharis, *Hüb.* V. 376, 1816.  
 Phoxopteris, p., *Treit.* (*E. S.* vii. 232, 1829).  
 Phoxopteryx, *Sodoff.* (*Bull. S. I. Mosc.* 20, 1837). *Guén.*  
*Mi.* 35, 1845.

## a. PHILALCEA.

- Philalcea, t., *Cur. B. E.* xiii. fo. 583, 1836.  
 Anticlea, t., *Step. olim.* (*Vide H.* iv. 113 and 396, 1834).

## 1. ANCHYLOPERA RAMELLA. The Hooked Marble T. B. M.

- Phalæna-Ti. ramella, *Lin. ? S. Nat.* i. 540, 1758.  
 Pyralis lactana, *Fab. M.* ii. 229, 1787.  
 Pyralis lætana, *Fab. E. S.* iii. b, 258, 1794.  
 Tortrix harpana, *Hüb. To.* t. 13, f. 77, 1801.  
 Anticlea harpana, *Step. H.* iv. 114, t. 39, f. 1, 1834.

## b. ANCHYLOPERA.

- Anchylopera, *Cur. B. E.* viii. fo. 376, 1831.

## 2. ANCHYLOPERA UPUPANA.\* The Dark Hook-tip T.

- Phoxopteris Upupana, *Treit. E. S. Sup.* x. 3, 127, 1835.  
 Grapholitha ustulana, *Treit. E. S.* viii. 219, 1830.  
 Tortrix ustulana, *H.-Schaff. S. To.* t. 28, f. 5.

## 3. ANCHYLOPERA MITTERBACHERIANA. The Red Hook-tip T. [B. M.]

- Tortrix Mitterbacheriana, *Schiff. (W. V.)* 129, 1776).  
 Tortrix subuncana, *Haw. L. B.* 453, 1812.  
 Anchylopera subuncana, *Step. H.* iv. 109, 1834. *Wood, I. E.*  
 142, t. 32, f. 948.  
 Phoxopteris Penkleriana, *Treit. E. S.* viii. 241, 1830.

## 4. ANCHYLOPERA DIMINUTANA. The Festoon T.

*Tortrix diminutana*, *Haw. L. B.* 452, 1812.

*Anchylopera diminutana*, *Step. H.* iv. 112, 1834. *Wood, I. E.* 143, t. 32, f. 955.

*Phoxopterus cuspidana*, *Treit. E. S.* viii. 236, 1830.

[B. M.]

## 5. ANCHYLOPERA DERASANA. The Hook-tipped Blotch-back T.

*Tortrix derasana*, *Hüb. To.* t. 32, f. 206, 1802?

*Tortrix unculana*, *Haw. L. B.* 453, 1812.

*Anchylopera unculana*, *Step. H.* iv. 110, 1834. *Wood, I. E.* 142, t. 32, f. 950.

## 6. ANCHYLOPERA LUNDANA. The Lundian T.

B. M.]

*Pyralis Lundana*, *Fab. G. I. M.* 294, 1777.

*Anchylopera Lundana*, *Step. H.* iv. 110, 1834. *Wood, I. E.* 142, t. 32, f. 951.

*Tortrix Corylana*, *Hüb. To.* t. 9, f. 53, 1801.

*Phoxopterus badiana*, *Treit. E. S.* viii. 243, 1830.

## 7. ANCHYLOPERA MYRTILLANA. The Myrtle T.

B. M.]

*Phoxopterus Myrtillana*, *Treit. E. S.* viii. 245, 1830. *Dup. L. F.* xi. 345, t. 253, f. 4, 1834.

*Anchylopera Lyellana*, *Cur. B. E.* viii. fo. 376, 1831. *Step. H.* iv. 111, 1834.

*Anchylopera derasana*, *Step. H.* iv. 111, 1834.

## 8. ANCHYLOPERA COMPTANA. The Delicate Hook-tip T.

*Tortrix comptana*, *Fröl. T. W.* 99, 1828.

*Phoxopterus comptana*, *Dup. L. F. Sup.* iv. 187, t. 66, f. 3, 1843.

## 9. ANCHYLOPERA BIARCUANA. The Double Arched T. B. M.

*Anchylopera biarcuana*, *Step.* (*C.* ii. 178, 1829).

*Anchylopera cuspidana*, *Step. H.* iv. 113, 1834. *Wood, I. E.* 143, t. 32, f. 959.

*Phoxopterix crenana*, *Dup. L. F.* xi. 334, t. 252, f. 7, 1835.

Var. ? *a. Anchylopera subarucana*, *Doug. Trans. Ent. So.* v. 21, 1847.

## 10. ANCHYLOPERA UNCANA. The Bridge T. B. M.

*Tortrix uncana*, *Hüb. To.* t. 13, f. 76, 1801.

*Anchylopera uncana*, *Step. H.* iv. 112, 1834.

*Phalæna geminana*, *Don. B. I.* xi. 29, t. 370, f. 1, 1806.

## 11. ANCHYLOPERA UNGUICELLA. The Heath Hook-tip T. B. M.

*Phalæna-Ti. unguicella*, *Lin. S. Nat.* i. 536, 1758.

*Tortrix falcana*, *Hüb. ? To.* t. 13, f. 78, 1801.

*Anchylopera fractifasciana*, *Step.* (*C.* ii. 178, 1829). *Id. H.* iv. 111, t. 34, f. 3, 1834. *Cur. l. c. supra.* *Wood, I. E.* 143, t. 32, f. 953.

*Phoxopterix ericeana*, *Dup. L. F.* xi. t. 252, f. 9, 1835.

## 12. ANCHYLOPERA SICULANA. The Hook-tipped Streak T. B. M.

*Tortrix siculana*, *Hüb. To.* t. 13, f. 79, 1801.

*Anchylopera siculana*, *Step. H.* iv. 111, 1834. *Wood, I. E.* 143, t. 32, f. 954.

## 27, (383). BACTRA.

*Bactra*, *Step. H.* iv. 125, 1834.

*Aphelia*, *Step.* (*C.* ii. 180, 1829).

*Leptia* (Gen. Coleop. 1833). *Guén. (Ann. E. S. Fr. 2 Ser.* iii. 169, 1845). *Id. (Mi.* 35).

*Ancylis*, p., *Hüb. V.* 376, 1816.

1. *BACTRA LANCEOLANA*. The Marsh Drab T. B. M.

*Tortrix lanceolana*, *Hüb. To.* t. 13, f. 80, 1801.

Var. *a.* *Tortrix egenana*, *Haw. L. B.* 469, 1812.

*Bactra egenana*, *Step. H.* iv. 124, 1834.

*Aphelia egenana*, *Wood, I. E.* 147, t. 33, f. 990, 1835.

Var. *b.* *Tortrix pauperana*, *Haw. L. B.* 469, 1812.

*Bactra pauperana*, *Step. H.* iv. 125, 1834.

*Aphelia pauperana*, *Wood, I. E.* 147, t. 33, f. 991, 1835.

Var. *c.* *Tortrix egestana*, *Haw. L. B.* 470, 1812.

*Bactra egestana*, *Step. H.* iv. 125, 1834.

*Aphelia egestana*, *Wood, I. E.* 147, t. 33, f. 992, 1835.

Var. *d.* *Tortrix plagana*, *Haw. L. B.* 125, 1812.

*Bactra plagana*, *Step. H.* iv. 125, 1834.

*Aphelia plagana*, *Wood, I. E.* 147, t. 33, f. 993, 1835.

2. *BACTRA NIGROVITTANA*. The Scotch Drab T.

*Bactra nigrovittana*, *Step. MSS.* (Pr. var. ?)

3. *BACTRA FURFURANA*. The Mottled Bran T. B. M.

*Tortrix furfurana*, *Haw. L. B.* 466, 1812.

*Orthotænia furfurana*, *Step. H.* iv. 137, 1834. *Wood, I. E.* 151, t. 34, f. 1024.

*Ablabia fuscana*, *Chant, MSS.*

*Bactra fuscana*, *West. & H. M.* ii. 139, 1844.

*Leptia? Juncana*, *Guén. MSS. teste Doub.* (*L.* 24, 1850).

## 28, (384). CARTELLA.

*Cartella*, *Guén. olim. Vide (Mi.* 40, 1845).

*Pædisca†*, *Guén. (Ann. E. S. Fr. 2 Ser. iii.* 174, 1845).

1. *CARTELLA BILUNANA*. The Double Crescent T. B. M.

*Tortrix bilunana*, *Haw. L. B.* 436, 1812.

*Anticlea bilunana*, *Step. H.* iv. 116, 1834.

*Eupœcilia bilunana*, *Step. (C.* ii. 191, 1829). *Wood, I. E.* 144, t. 32, f. 969.

*Tortrix Cretaceana*, *Fröl. T. W.* 42, 1828.

## 29, (385). HYPERMECTIA.

Hypermezia, *Guén. (Ann. S. E. Fr. 2 Ser. iii. 173, 1845).*

*Id. (Mi. 39).*

Panoplia, t., *Hüb. V. 393, 1816.*

## 1. HYPERMECTIA AUGUSTANA. The Red Cross T. B. M.

*Tortrix augustana, Hüb. To. t. 32, f. 205, 1810.*

*Tortrix cruciana, Haw. L. B. 426, 1812.*

*Phalæna-To. cruciana, Lin. ? F. ii. 347, No. 1333, 1761.*

*Lozotænia ? cruciana, Step. H. iv. 80, 1834. Wood, I. E. 133, t. 30, f. 873.*

*Tortrix excæcana, H.-Schæff. S. t. 51, f. 363.*

Var. a. *Hypermezia Viminana, Guén. Ann. E. S. Fr. 2 Ser. iii. 173, 1845. Id. Mi. 39.*

Var. b. *Tortrix cruciana, β., Haw. L. B. 426, 1812.*

*Lozotænia cinerana, Step. (C. ii. 171, 1829).*

Var. c. *Tortrix Gyllenhahliana, Thunb. ? I. S. 22, t. adj. 1784.*

## 30, (386). DITULA.

*Ditula, Step. (C. ii. 172, 1829). Id. H. iv. 83, 1834.*

*Batodes, Guén. (Ann. E. S. Fr. 2 Ser. iii. 174, 1845). Id. (Mi. 40).*

*Amphisa, p., vide Cur. B. E. xvi. fo. 763, 1839.*

## 1. DITULA ANGUSTIORANA. The Red-bar T. B. M.

*Tortrix angustiorana, Haw. L. B. 429, 1812.*

*Ditula angustiorana, Step. H. iv. 83, 1834. Wood, I. E. 133, t. 30, f. 379, ♀.*

*Batodes Dumeriliana, Guén. Ann. E. S. Fr. 2 Ser. iii. 176, 1845. Id. Mi. 40.*

Var. ♂. *Tortrix rotundana, Haw. L. B. 429, 1812.*

*Ditula rotundana, Step. H. iv. 84, 1834. Wood, I. E. 133, t. 30, f. 378.*

## 31, (387). PÆCILOCHROMA.

- Pæcilochroma, *Step.* (C. ii. 182, 1829). *Id.* H. iv. 138, 1834.  
 Thirates, (Therates, *Gen. Coleop.* 1817). *Treit.* (E. S. vii. 233, 1829).  
 Pædisca, p., *Treit.* (E. S. viii. 188, 1830).  
 Paragrapha, *Sodoff.* (*Bull. S. I. Mosc.* 20, 1837).  
 Pædisca††, *Guén.* (*Ann. E. S. Fr.* 2 Ser. iii. 174, 1845). *Id.* (Mi. 40).

## a. DITULA.

- Ditula, A, b., *Step.* H. iv. 84, 1834.  
 Epinotia, p, *Hüb.* V. 377, 1816.

## 1. PÆCILOCHROMA PROFUNDANA. The Oblique-barred T. B. M.

- Tortrix profundana*, *Schiff.* (*W. V.* 132, 1776).  
*Tortrix Wellensiana*, *Hüb. To.* t. 37, f. 237, 1812.  
*Ditula Wellensiana*, *Step.* H. iv. 85, 1834.  
*Ditula Asselana*, *Step.* (C. ii. 172, 1829).  
 Var. a. *Tortrix Porphyra*, *Hüb. To.* t. 5, f. 26, 1801.  
*Tortrix Porphyriana*, *Haw. L. B.* 461, 1812.  
*Ditula Porphyra*, *Step.* H. iv. 84, 1834.  
*Pædisca profundana*, *Treit.* E. S. viii. 192, 1830.  
 Var. b. *Phalæna nebulana*, *Don. B. I.* xi. 13, t. 364, f. 3, 1806.  
 Var. c. *Ditula nebulana*, *Step.* H. iv. 85, 1834.  
 Var. c. *Tortrix Æthiopana*, *Haw. L. B.* 462, 1812.  
*Ditula Æthiopana*, *Step.* H. iv. 85, 1834. *Wood, I. E.* 134, t. 30, f. 883.  
 Var. d. *Pædisca Porphyra*, *Dup. L. F.* xi. 548, t. 264, f. 9, 1835.  
 Var. e. *Tortrix aseclana*, *Haw. L. B.* 462, 1812.  
*Ditula Porphyra*, *Wood, I. E.* 133, t. 30, f. 882, 1835.  
 Var. f. *Tortrix sylvana*, *Haw. L. B.* 462, 1812.  
*Ditula sylvana*, *Step.* H. iv. 84, 1834.  
 Var. g. *Ditula nebulana*, *Wood, I. E.* 134, t. 30, f. 881, 1835.  
 Var. h. *Tortrix Alphonsiana*, *Dup. L. F.* xi. 93, t. 239, f. 9, 1834.  
 Var. i. *Glyphiptera nebulna*, *Dup. L. F.* xi. 137, t. 242, f. 6. 1834.

## b. ZEIRAPHERA.

Zeiraphera, t., *Cur. B. E.* xv. fo. 711, 1833.

## 2. PÆCILOCHROMA CORTICANA. The Cock's Head T. B. M.

*Tortrix corticana*, *Schiff.* (*W. V.* 131, 1776).

*Pyralis communana*, *Fab. ? E. S.* iii. b, 259, 1794.

*Zeiraphera Lichenana*, *Treit.* (*E. S.* vii. 231, 1829).

*Pæcilochroma communana*, *Step. H.* iv 139, 1834. *Wood, I. E.* 152, t. 34, f. 1029.

Var. a. *Pyralis Isertana*, *Fab. ? E. S.* iii. b, 281, 1794.

## c. ACALLA.

*Acalla*, t., *Hüb. V.* 383, 1816.

## 3. PÆCILOCHROMA OPHTHALMICANA. The Black Double-blotched [T. B. M.]

*Tortrix ophthalmicana*, *Hüb. To.* t. 9, f. 51, 1801.

*Pyralis maculana*, *Fab. ? E. S.* iii. b, 251, 1794.

*Pæcilochroma maculana*, *Step. H.* iv. 141, 1834. *Wood, I. E.* 152, t. 34, f. 1032.

## 4. PÆCILOCHROMA OPPRESSANA.\* The Obscure Blotch-back T.

*Pædisca oppressana*, *Treit. E. S. Sup.* x. 3, 95, 1835.

*Tortrix oppressana*, *H.-Schæff. S. To.* t. 29, f. 242.

## 5. PÆCILOCHROMA OCCULTANA. The Dingy Blotch-back T.

*Pæcilochroma occultana*, *Dougl. Zool.* iv. 1267, 1268, f. 2, 1846, 3.

*Grapholita Pinicolana*, *Zell. Isis*, 243, 1846, 4.

## 6. PÆCILOCHROMA ? SIGNATANA. The Black-blotched T.

*Sericoris signatana*, *Dougl. Zool.* iii. 844, 1845.

*Grapholita Padana*, *Leinig, teste Zell. Isis*, 243, 1846.

*Tortrix Padana*, *H.-Schæff. S. To.* t. 54, f. 383.

## d. ASTATIA.

Astatia, *Hüb. V.* 377, 1816.

## 7. PÆCILOCHROMA SOLANDRIANA. The Solandrian T. B. M.

Phalæna-To. Solandriana, *Lin. S. Nat.* i. 532, 1758.

Pæcilochroma Solandriana, *Step. H.* iv. 139, 1834. *Wood, I. E.* 152, t. 34, f. 1027.

Tortrix semilunana, *Fröl. T. W.* 43, 1828.

Tortrix Parmatana, var., *Fisch.-v.-R.* t. 4, f. u—z, 1834.

Var. a. Pædisca semimaculana, *Dup. L. F.* xi. 371, t. 254, f. 5, 1835.

Var. b. Tortrix semimaculana, *Hüb. To.* t. 9, f. 48, 1801.

## 8. PÆCILOCHROMA BRUNNICHANA. The Brunnichian T. B. M.

Phalæna-To. Brunnichana, *Lin. S. Nat.* ii. 880, 1767.

Tortrix trapezana, *Haw. L. B.* 441, 1812.

Pæcilochroma trapezana, *Step. H.* iv. 139, 1834. *Wood. I. E.* 152, t. 34, f. 1028, ♂ et ♀.

Pædisca Parmatana, *Fisch.-v.-R.* t. 2, 3, fig. omn. 1834.

Var. a. Pyralis trapezana, *Fab. M.* ii. 228, 1787.

Pæcilochroma trapezana, *Wood, l. c.* ♂.

Var. b. Tortrix Sparmanniana, *Haw. L. B.* 440, 1812.

Pædisca Sparmanniana, *Step. (C.)* ii. 183, 1829).

Var. c. Tortrix Parmatana, *Hüb. To.* t. 40, f. 253, 1814.

Var. d. Tortrix Parmatana, *Hüb. To.* t. 40, f. 254, 1814.

Var. e. Tortrix ratana, *Hüb. To.* t. 37, f. 236, 1812.

Var. f. Pædisca ratana, *Dup. L. F.* xi. 372, t. 254, f. E, 1835.

Var. g. Pædisca sylvana, *Dup. L. F.* xi. 372, t. 254, f. F, 1835.

Var. h. Tortrix sinuana, *Schiff. ? (W. V.)* 131, 1766). *Hüb. To.* t. 33, f. 212, 1810.

Var. i. Tortrix vittana, *Cur. ? (C.)* 168, 1831).

Var. k. Anchylopera funalana, *Step. (C.)* ii. 178, 1829). *Id. H.* iv. 112, 1834. *Wood, I. E.* 143, t. 32, f. 956.

Var. l. Pædisca Parmatana, var., *Dup. L. F.* xi. 372, t. 254, f. 2, B, 1835.



## 9. PÆCILOCHROMA STABILANA. The Clouded Willow T.

*Pæcilochroma stabilana*, *Step. MSS.* (Præc. var.?)

## 10. PÆCILOCHROMA PICEANA. The Shining Pitch T. B. M.

*Tortrix piceana*, *Haw. L. B.* 440, 1812.

*Pæcilochroma piceana*, *Step. H.* iv. 140, 1834. *Wood, I. E.* 152, t. 34, f. 1030.

*Tortrix sordidana*, *Hüb. To.* t. 47, f. 292, 1829.

*Pæcilochroma sordidana*, *Step. H.* iv. 397, 1835.

Var. *a.* *Pæcilochroma sordidana*, var. *Step. l. c.*

Var. *b.* *Tortrix semifuscana*, *Haw. MSS.*

*Pæcilochroma semifuscana*, *Step. H.* iv. 140, t. 36, f. 1, 1834.

*Pædisca melaleucana*, *Dup. L. F.* xi. 375, t. 255, f. 2, 1835.

## 32, (388). HALONOTA.

*Halonota*, *Step. MSS.*

*Pædisca*, p., *Treit. E. S.* viii. 189, 1830.

*Ephippiphora*, *Guén. (Ann. E. S. Fr. 2 Ser. iii. 176, 1845).*

*Id. (Mi. 42).* (non *Dup.*)

## a. EPINOTIA.

*Epinotia*, p., *Hüb. V.* 377, 1816.

## 1. HALONOTA BIMACULANA. The Double Blotched T. B. M.

*Phalæna bimaculana*, *Don. B. I.* xiii. 55, t. 459, 1808.

*Tortrix similana*, *Hüb. To.* t. 7, f. 41, 1801.

*Tortrix Stræmiaana*, *Haw. L. B.* 441, 1812.

*Spilonota Stræmiaana*, *Step. H.* iv. 93, 1834. *Wood, I. E.* 136, t. 31, f. 903.

*Tortrix dissimilana*, *Fisch.-v.-R. Mi.* 170, t. 62, f. 2, *a, b*, 1839.

## 2. HALONOTA CIRSIANA. The Lesser Double Blotched T. B. M.

*Pædisca*? *Cirsiana*, *Zell. teste Doub. (L. 25, 1850).*

*Tortrix Cirsiana*, *H.-Schæff. S. To.* t. 31, f. 225.

*Ephippiphora mortuana*, *Guén. in litt. Doub. l. c.*

♀. *Tortrix stictana*, var. *β.*, *Haw. L. B.* 442, 1812.

## b. EPIBLEMA.

Epiblema, p., *Hüb.* (V. 375, 1816).

## 3. HALONOTA SCUTULANA. The Single Blotched T. B. M.

*Tortrix scutulana*, *Schiff.* (*W. V.* 131, 1776).

*Tortrix profundana*, *Hüb. ? To.* t. 4, f. 21, 1801.

♂. *Tortrix Pflugiana*, *Haw. L. B.* 441, 1812.

*Spilonota Pflugiana*, *Step. H.* iv. 93, 1834. *Wood, I. E.* 136, t. 30, f. 902.

♀. *Tortrix stictana*, var. *a.*, *Haw. L. B.* 442, 1812.

*Pyralis sticticana*, *Fab. ? E. S.* iii. b, 270, 1794.

*Spilonota sticticana*, *Step. H.* iv. 94, 1834. *Wood, I. E.* 137, t. 31, f. 906.

## 4. HALONOTA NOVANA. The Smaller Single Blotched T.

*Ephippiphora novana*, *Guén. (Ann. E. S. Fr. 2 Ser.* iii. 176, 1845), *teste Doub. (L.* 25, 1850).

## 5. HALONOTA BRUNNICHIANA. The Tawny Blotch-back T. B. M.

*Tortrix Brunnichiana*, *Schiff.* (*W. V.* 132, 1776).

*Tortrix rusticana*, *Haw. L. B.* 442, 1812.

*Spilonota rusticana*, *Step. H.* iv. 93, 1834. *Wood, I. E.* 137, t. 31, f. 904.

Var. *a.* *Spilonota quadrana*, *Step. H.* iv. 95, 1834. *Wood, I. E.* 137, t. 31, f. 910.

## 6. HALONOTA TURBIDANA. The Hippopotamus T.

*Pædisca turbidana*, *Treit. E. S. Sup.* x. 3, 98, 1835.

*Ephippiphora turbidana*, *Logan, Zool.* vi. 2034, fig. *a, b*, 1848.

*Tortrix turbidana*, *H.-Schæff. S. To.* t. 31, f. 229.

## 7. HALONOTA FÆNELLA. The White-foot T. B. M.

Phalæna-Ti. fænella, *Lin. S. Nat.* ii. 536, 1758.

Spilonota fænella, *Step. H.* iv. 92, 1834.

Tortrix Scopoliana, *Schiff. (W. V.* 129, 1776).

Phalæna interrogationana, *Don. B. I.* ii. 75, t. 65, f. 1, 1792.

Tortrix tibialana, *Hüb. To.* t. 7, f. 40, 1801.

Ephippiphora fæneana, *Guén. (Mi.* 42, 1845).

## 8. HALONOTA TRIGEMINANA. The Triple-streaked Blotch-back T. [B. M.]

Spilonota trigeminana, *Step. (C.* ii. 174, 1829). *Id. H.* iv. 94, t. 37, f. 3, 1834. *Wood, I. E.* 137, t. 31, f. 905.

Ephippiphora pœcilana, *Guén. MSS. (teste Doub. L.* 25, 1850).

♀. Spilonota argyrana, *Step. H.* iv. 95, 1834. *Wood, I. E.* 137, t. 31, f. 908.

## 9. HALONOTA COSTIPUNCTANA. The Lesser Blotch-back T.

Tortrix costipunctana, *Haw. L. B.* 443, 1812.

Spilonota costipunctana, *Step. H.* iv. 95, 1834. *Wood, I. E.* 137, t. 31, f. 907.

Grapholitha Gallicolana, *Heyden, MSS. Zeller, Isis,* 1846.

Tortrix Gallicolana, *H.-Schæff. S. To.* t. 24, f. 172.

## 10. HALONOTA TETRAGONANA. The Quadrangular Blotch-back T.

Spilonota tetragonana, *Step. (C.* ii. 174, 1829). *Id. H.* iv. 96, 1834. *Wood, I. E.* 137, t. 31, f. 910.

Ephippiphora luctuosana, *Dup. L. F.* xi. 326, t. 252, f. 4, 1835.

## c. HEMIMENE.

Hemimene, p., *Hüb. (V.* 378, 1816).

## 11. HALONOTA POPULANA. The Pygmy Y T.

Pyralis Populana, *Fab. M.* ii. *App.* 382, 1787.

Pseudotomia Populana, *Step. H.* iv. 102, 1834. *Wood, I. E.* 139, t. 31, f. 928.

Tortrix ehippana, *Hüb. To.* t. 39, f. 246, 1814.

## 12. HALONOTA NIGRICOSTANA. The Black-edged Marble T.

*Tortrix nigricostana*, *Haw. L. B.* 438, 1812.

*Spilnota nigricostana*, *Step. H.* iv. 96, 1834. *Wood, I. E.* 137, t. 31, f. 911.

*Pædisca Remyana*, *Kollar, teste Guén. Mi.* 43.

*Pædisca squalidana*, *Treit. MSS. (teste Guén. l. c.)*.

## 13. HALONOTA OBSCURANA. The Faint Blotch-back T.

*Pseudotomia obscurana*, *Step. (C. ii. 175, 1829). Id. H.* iv. 98, 1834. *Wood, I. E.* iv. 138, t. 31, f. 914.

## 33, (389). ANISOTÆNIA.

*Anisotænia*, *Step. MSS.*

*Olindia (Olinda, Gen. Dipt.)*, *Guén. (Ann. S. E. Fr. 2 Ser. iii. 178, 1845). Id. (Mi. 44).*

*Eudemis*, p., *Hüb. V.* 382, 1816.

## 1. ANISOTÆNIA ULMANA. The White-barred Elm T.

B. M.

*Tortrix Ulmana*, *Hüb. To.* t. 45, f. 278, 1816.

*Pyralis Schumacherana*, *Fab. ? M.* ii. 236, 1787.

♀. *Tortrix areolana*, *Hüb. To.* 45, f. 279, 1816.

*Tortrix hastiana*, *Haw. ? L. B.* 462, 1812.

*Orthotænia Hastiana*, *Step. (C. ii. 182, 1829).*

*Rhyaconia ? Hastiana*, *Step. H.* iv. 180, 1834.

*Zeiraphila Hastiana*, *Cur. B. E.* xv. t. 711, 1838.

*Tortrix ? Miltonana*, — *MSS.*

## 34, (390). SEMASIA.

*Semasia*, *Step. (C. ii. 179, 1829). Guén. (Ann. E. S. Fr. 2 Ser. iii. 178, 1845). Id. (Mi. 45.)*

*Zeiraphia*, p., *Cur. (G. 168, 1831).*

## a. SEMASIA.

Semasia, *Step. ut supra*.

## 1. SEMASIA SPINIANA. The White Triangle T. B. M.

Grapholitha spiniana, *Fisch.-v.-R. MSS. Dup. L. F. Sup.* iv. 192, t. 66, f. 7, 1842.

Pseudotomia trigonana, *Step. (C. ii. 176, 1829)*.

Pseudotomia Ephippana? *Step. H. iv. 102, 1834. Wood, I. E.* 140, t. 31, f. 929.

## b. ASPILA.

Aspila, *Step. H. iv. 104, 1834*.

## 2. SEMASIA JANTHINANA. The Purple-shades T. B. M.

Coccyx Janthinana, *Dup. L. F. xi. 245, t. 248, f. 1, 1834*.

Tortrix Lediana, *Haw. L. B. 459, 1812*.

Pseudotomia Lediana, *Step. H. iv. 104, 1834. Wood, I. E.* 140, t. 31, f. 934.

Grapholitha incisana, *Fisch.-v.-R. MSS. ? (non Mi.)*

## 3. SEMASIA RUFILLANA. The Dark Purple-shades T.

Grapholitha? rufillana, *Zell. in litt. (teste Doub. L. 25, 1850)*.

Tortrix Lediana, var., *Haw. L. B. 459, 1812*.

## c. ENARMONIA.

Enarmonia, t., *Hüb. (V. 375, 1816)*.

## 4. SEMASIA WÆBERANA. The Wæberian T. B. M.

Tortrix Wæberana, *Schiff. (W. V. 126, 1776)*.

Semasia Wæberana, *Step. H. iv. 120, 1834. Wood, I. E. 145,* t. 33, f. 977.

Tortrix ornatana, *Hüb. To. t. 6, f. 32, 1801*.

Tortrix unguicana, *Haw. ? (Pr. 33, 1802)*.

## 35, (391). COCCYX.

Coccyx, *Treit.* (*E. S.* vii. 230, 1829).

Strobila, *Sodoff.* *Bull.* (*S. I. Mosc.* 19, 1837).

## a. HEMIMENE.

Hemimene, p., *Hüb. V.* 377, 1816.

## 1. COCCYX COSMOPHORANA. The Obscure Silver-striped T.

*Grapholitha cosmophorana*, *Treit. E. S. App.* x. 3, 124, 1835.

*Tortrix cosmophorana*, *Ratz. F. I.* ii. 212, t. 14, f. 2, 1840.

## 2. COCCYX STROBILELLA. The Large Dark Silver-striped T. B. M.

*Phalæna-To. Strobilella*, *Lin. S. Nat.* i. 539, 1758.

*Tortrix Strobilana*, *Ratz. F. I.* ii. 218, t. 12, f. 8; t. 13, f. 1,  
*metam.* 1840.

## 3. COCCYX SPLENDIDULANA. The Cinereous Silver-barred T. B. M.

*Coccyx splendidulana*, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 179,  
1845. *Id. Mi.* 45.

*Tortrix Strobilana*, *Haw. L. B.* 448, 1812.

*Pseudotomia Fraternalana*, *Step. (C.* ii. 175, 1829). *Wood, I.*  
*E.* 138, t. 31, f. 915, 1835.

## 4. COCCYX ARGYRANA. The Light Silver-striped T. B. M.

*Tortrix argyrana*, *Hüb. To.* t. 8, f. 46, 1801.

*Tortrix atromargana*, *Haw. L. B.* 446, 1812.

*Pseudotomia atromargana*, *Step. H.* iv. 99, 1834. *Wood, I. E.*  
138, t. 31, f. 916.

♀. *Pseudotomia Strobilella*, *Step. H.* iv. 99, 1834.

## 5. COCCYX FINITIMANA. The Bright Silver-barred T.

*Coccyx finitimana*, *Guén. MSS. teste Doub.* (*L.* 25, 1850).

## b. ASTHENIA.

Asthenia, p., *Hüb. P. V.* 381, 1816.

## 6. COCCYX PYGMÆANA.\* The Dwarf Silver-striped T.

*Tortrix pygmæana*, *Hüb. P. To.* t. 12, f. 69, 1801.

*Tortrix subsequana*, *Haw. L. B.* 448, 1812

## c. EVETRIA.

Evetria, p., *Hüb. V.* 378, 1816.

## 7. COCCYX HYRCINIANA. The Pine Silver-barred T. B. M.

*Pyralis Hyrciniana*, *Uslar. P. H.* 1798.

*Tortrix comitana*, *Schiff. P. (W. V.)* 131, 1776).

*Orthotænia comitana*, *Step. H.* iv. 180, 1834. *Wood, I. E.* 165, t. 37, f. 1131.

*Tortrix piceana*, *Hüb. To.* t. 12, f. 72, 1801.

*Evetria Cembrana*, *Hüb. (V.)* 379, 1816).

*Tortrix Abietana*, *Step. MSS. olim. (Cat. ii.)* 176, 1829).

Var. *a.* *Tortrix Clausthaliana*, *Ratz. F. I.* ii. 223, t. 12, f. 2, 1840.

Var. *b.* *Orthotænia distinctana*, *Bentley, Mus.*

*Orthotænia piceana*, *West. & H. M.* ii. 172, t. 99, f. 14, 1844.

## 8. COCCYX USTOMACULANA. The Loch Rannoch T.

*Anchylopera ustomaculana*, *Cur. B. E.* viii. t. 376, 1831.

*Step. H.* iv. 112, 1834.

*Coccyx pellicana*, *Guén. in litt. teste Doub. (L.)* 25, 1850).

## 9. COCCYX NANANA. The Dwarf Pine T.

*Coccyx nanana*, *Kuhlw. teste Treit. E. S. Sup.* x. 3, 80, 1835.

*Sericoris tenebrosana*, *Dougl. Zool.* iv. 1267, f. 3, 1846.

*Coccyx Douglasana*, *Guén. in litt. teste Doub. (L.)* 25, 1850).

## 10. COCCYX VACCINIANA. The Whortleberry T.

*Coccyx Vacciniana*, *Fisch. Man. C.* 2, 1843?

*Sericoris Myrtillana*, *Chant, MSS. (teste West. l. c.)*

*Cnephasia Myrtillana*, *W. P. & H. M.* ii. 146, t. 89, f. 15, 1844.

## 36, (392). HEUSIMENE.

Heusimene, *Step. H.* iv. 96, 1834.

## 1. HEUSIMENE FIMBRIANA. The Brown-bordered T.

*Tortrix fimbriana*, *Haw. L. B.* 446, 1812.

*Heusimene fimbriana*, *Step. H.* iv. 97, 1834. *Wood, I. E.* 138, t. 31, f. 913.

## 37, (393). PAMPLUSIA.

*Pamplusia*, *Guén. (Ann. E. S. Fr. 2 Ser. iii.* 180, 1845).  
*Id. (Mi.* 46).

*Sericoris*, p., *Step. H.* iv. 136, 1834.

## 1. PAMPLUSIA MONTICOLANA. The Faint Silver-striped T.

*Grapholitha Monticolana*, *Mann. V. M. L.* 3, (1843 ?).

*Sericoris?* *subsequana*, *Step. H.* iv. 136, 1834. *Wood, I. E.* 151, t. 34, f. 1021.

## 2. PAMPLUSIA ALTICOLANA. The Mountain Silver-striped T.

*Pamplusia Alticolana*, *Step. MSS.* (Pr. var. ?)

## 38, (394). RETINIA.

*Retinia*, *Guén. (Ann. E. S. Fr. 2 Ser. iii.* 180, 1845). *Id.*  
*(Mi.* 46).

*Orthotænia*, *Cur. B. E.* iii. fo. 364, 1831.

## a. RHYACIONIA.

*Rhyacionia*, p., *Hüb. V.* 379, 1816.

## 1. RETINIA BUOLIANA. The Silver-striped Orange Spot T. B. M.

*Tortrix Buoliana*, *Schiff. (W. V.* 128, 1776).

*Tortrix Turionana*, *Haw. L. B.* 399, 1812.

*Tortrix gemmana*, *Hüb. To.* t. 43, f. 269, 1816.

*Orthotænia gemmana*, *Step. H.* iv. 178, 1834. *Wood, I. E.* 165, t. 37, f. 1127.

*Tortrix Pallasana*, *Bull. S. I. Mosc.* ii. 72, t. 1, f. 4, 1830, *teste*  
*Treit. E. S.* x. 3, 250, 1835.



2. **RETINIA PINICOLANA.** The Orange-spot T. B. M.  
*Retinia Pinicolana*, *Doub.* (*L.* 25, 1850). *Id. Zool.* viii. *App.*  
 106, 1850.  
*Orthotænia Turionella*, *Cur. B. E.* viii. t. 364, 1831. *Step.*  
*H.* iv. 178, 1834.  
 Var.? *a.* *Tortrix Xylostæana*, *Hüb. To.* t. 24, f. 154, 1801.

3. **RETINIA TURIONELLA.\*** The Pale Orange-spot T.  
*Phalæna-Ti. Turionella*, *Lin. S. Nat.* i. 539, 1758.  
*Tortrix Turionana*, *Ratz. F. I.* ii. 209, t. 14, f. 3, 1840.

4. **RETINIA PINIVORANA.** The Dingy Red-spot T. B. M.  
*Coccyx?* *Pinivorana*, *Zell. Isis*, 1846, p. 226.  
*Cnephasia Resinellæ*, *Step. (C.* ii. 181, 1829). *Wood, I. E.*  
 165, t. 37, f. 1130.  
*Orthotænia Resinellæ*, *Cur. B. E.* viii. fo. 364, 1831. *Step.*  
*H.* iv. 179, 1834.  
*Retinia Albionana*, *Guén. in litt. teste Doub.* (*L.* 25, 1850).

#### b. EVETRIA.

*Evetria*, p., *Hüb. V.* 378, 1816.

5. **RETINIA SYLVESTRANA.** The Wood Pine T. B. M.  
*Orthotænia?* *sylvestrana*, *Cur. A. & M. Nat. Hist.* 2 Ser. v. 111,  
 1850.  
*Tortrix duplana*, *Hüb.? To.* t. 36, f. 229, 30, 1812.

#### 39, (395). CARPOCAPSA.

*Carpocapsa*, *Treit. (E. S.* vii. 231, 1829). *Id.* viii. 160, 1830.

#### a. ENARMONIA.

*Enarmonia*, p., *Hüb. V.* 375, 1816.

1. **CARPOCAPSA SPLENDANA.** The Bright Marble T. B. M.  
*Tortrix splendana*, *Hüb. To.* t. 6, f. 31, 1801.  
*Carpocapsa splendana*, *Step. H.* iv. 119, 1834. *Wood, I. E.*  
 145, t. 33, f. 975.

## 2. CARPOCAPSA GROSSANA. The Smoky Marble T. B. M.

*Tortrix grossana*, *Haw. L. B.* 438, 1812.

*Carpocapsa grossana*, *Step. H.* iv. 120, 1834. *Wood, I. E.* 145, t. 33, f. 976.

*Tortrix Fagiglandana*, *Heyd.?* *H.-Schæff.?* *S. To.* t. 22, f. 157—160.

## b. CYDIA.

*Cydia*, *Hüb. V.* 375, 1816.

## 3. CARPOCAPSA POMONELLA. The Codling T. B. M.

*Phalæna-Ti. Pomonella*, *Lin. S. Nat.* i. 538, 1758.

*Carpocapsa Pomonella*, *Step. H.* iv. 119, 1834. *Wood, I. E.* 145, t. 33, f. 974.

## 40, (396). OPADIA.

*Opadia*, *Guén. (Ann. E. S. Fr. 2 Ser. iii. 182, 1845). Id. (Mi. 48).*

## 1. OPADIA FUNEBRANA.\* The Plum-tree T.

*Grapholitha funebrana*, *Treit. E. S. Sup.* x. 3, 116, 1835.

*Dup, L. F, Sup.* iv. 193, t. 66. f. 8, 1842.

*Carpocapsa nigricana*, *Köllar, Land. Tr.* 232, 1840.

## 41, (397). ENDOPISA.

*Endopisa*, *Guén. (Ann. E. S. Fr. 2 Ser. iii. 182, 1845). Id. (Mi. 48).*

## 1. ENDOPISA NIGRICANA. The Black Striped-edge T. B. M.

*Pyralis nigricana*, *Fab. E. S. iii. b, 276, 1794.*

*Pseudotomia nigricana*, *Step. H.* iv. 101, 1834. *Wood, I. E.* 139, t. 31, f. 925.

*Grapholitha nebritana*, *Treit. E. S. viii. 209, 1830.*

## 2. ENDOPIISA PROXIMANA. Pale-brown Striped-edge T.

*Tortrix proximana*, *Haw. L. B.* 458, 1812, *et ejus Mus.*

*Eudopisa Pisana*, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 182, 1845. *Id. Mi.* 48.

## 41, (398). EPHIPPIPHORA.

*Ephippiphora*, *Dup. L. F.* xi. 22, 1834.

*Stigmonota*, *Guén. (Ann. E. S. Fr. 2 Ser.* iii. 132, 1845).  
*Id. (Mi.* 48).

## a. EPIBLEMA.

*Epiblema*, p., *Hüb. V.* 375, 1816.

## 1. EPHIPPIPHORA GERMARANA. The Germarian T.

*Tortrix Germmana*, *Hüb. To.* t. 8, f. 47, 1801.

*Epiblema Germarana*, *Hüb. (V.* 376, 1816).

*Tortrix atropurpurana*, *Haw. L. B.* 467, 1812.

*Pseudotomia proximana*, *Step. H.* iv. 101, 1834. *Wood, I. E.* 139, t. 31, f. 926.

*Grapholitha Tenebrosana*, *Dup. L. F. Supp.* iv. 190, t. 66, f. 5, 1842.

## 2. EPHIPPIPHORA PUNCTICOSTANA. The Dotted Border T. B. M.

*Pseudotomia puncticostana*, *Step. (C.* ii. 175, 1829). *Id. H.* iv. 102, 1834. *Wood, I. E.* 139, t. 31, f. 927.

*Stigmonota immaculana*, *Guén. Ann. E. S. Fr. 2 Ser.* iii, 184, 1845. *Id. Mi.* 50.

## b. PAMMENE.

*Pammene*, t., *Hüb. V.* 378, 1816.

## 3. EPHIPPIPHORA TRAUNIANA. The Traunian T. B. M.

*Tortrix Trauniana*, *Schiff. (W. V.* 132, 1776).

*Tortrix floricolana*, *Fröl. T. W.* 83, 1828. *Hüb. To.* t. 51, f. 325, 1835.

*Pseudotomia notata*, *West. & H. M.* ii. 126, t. 83, f. 20, 1834.

4. *EPHIPPIPHORA REGIANA*. The Yellow Blotch-backed T. B. M.  
*Grapholitha regiana*, *Zell. Ent. Zeit.* ix. 279, 1849.  
*Tortrix Trauniana*, *Haw. L. B.* 444, 1812.  
*Pseudotomia Trauniana*, *Step. H.* iv. 103, 1834. *Wood, I. E.*  
 140, t. 31, f. 930.  
 Var. *a.* *Tortrix Trauniana*, *Hüb. ? To.* t. 7, f. 38, 1801.

### c. ASPILA.

*Aspila*, *p.*, *Step. H.* iv. 104, 1834.

5. *EPHIPPIPHORA NITIDANA*. The Small Dark Silver-striped T. [B. M.]  
*Pyralis nitidana*, *Fab. E. S.* iii. b, 276, 1794.  
*Pseudotomia nitidana*, *Step. H.* iv. 104, 1834. *Wood, I. E.*  
 140, t. 31, f. 935.  
*Stigmonota redimitana*, *Guén. Ann. E. S. Fr.* 2 Ser. iii. 184,  
 1845. *Id. Mi.* 50.  
*Tortrix parvulana*, *Fröl. ? T. W.* 80, 1828.

6. *EPHIPPIPHORA WEIRANA*\* The Weirian T.

*Grapholitha Weirana*, *Doug. Zool.* viii. 2806, 1850. *Id. Tr.*  
*Ent. Soc.* 2. Ser. Proc. i. 8, 1850.

### d. HEMIMENE.

*Hemimene*, *p.*, *Hüb. V.* 378, 1816.  
*Euspila*, *Step. H.* iv. 103, 1834.

7. *EPHIPPIPHORA LATHYRANA*? The Dull Blotch-back T.

*Tortrix Lathyrana*, *Hüb. ? To.* t. 33, f. 207, 1810.  
*Pseudotomia Strobilella*, *Wood, I. E.* 138, t. 31, f. 917.

8. *EPHIPPIPHORA COMPOSITELLA*. The Triple-striped Blotch-back [T. B. M.]  
*Tinea compositella*, *Fab. S. E.* 663, 1775.  
*Pseudotomia compositella*, *Step. H.* iv. 103, t. 37, f. 2, 1834.  
*Tortrix composana*, *Haw. L. B.* 447, 1812.

- ♀. *Tortrix Gundiana*, *Hüb. To.* t. 8, f. 42, 1801.  
*Pseudotomia Gundiana*, *Step. H.* iv. 103, 1834. *Wood, I. E.*  
 140, t. 31, f. 932.
- Var. *a.* *Tortrix dorsana*, *Haw. L. B.* 447, 1812.  
*Pseudotomia dorsana*, *Step. H.* iv. 103, 1834. *Wood, I. E.*  
 140, t. 31, f. 933.

9. EPHIPPIPHORA INTERNANA. The Dark Crescent T.

*Stigmonota internana*, *Guén. Ann. E. S. Fr.* 2 Ser. iii. 183,  
 1845. *Id. Mi.* 49.

10. EPHIPPIPHORA PERLEPIDANA. The Beautiful Crescent T. B.M.

*Tortrix perlepidana*, *Haw. L. B.* 458, 1812.

*Carpocapsa perlepidana*, *Step. H.* iv. 122, 1834. *Wood, I. E.*  
 146, t. 33, f. 983.

*Tortrix Schrankiana*, *Fröl. T. W.* 86, 1828.

*Ephippiphora dorsana*, *Dup. L. F.* xi. 310, t. 151, f. 7, 1834.

*Grapholitha? Loderana*, *Köllur, B. Oe.* ii. 84, 1832.

- ♀ ? *Ephippiphora Loderana*, *Dup. L. F. Sup.* iv. 411, t. 83, f. 6,  
 1842.

d. SELANIA.

*Selania*, *Step. H.* iv. 121, 1834.

11. EPHIPPIPHORA LEPLASTRIANA. The Dover T.

*Carpocapsa Leplastriana*, *Cur. B. E.* viii. 2, t. 352, 1831. *Step.*  
*H.* iv. 121, 1834.

*Ephippiphora Gueriniana*, *Dup. L. Fr.* xi. 512, t. 263, f. 4,  
 1836.

12. EPHIPPIPHORA HEEGERANA ? \* The Heegerian T.

*Ephippiphora Heegerana*, *Dup.? L. F. Supp.* iv. 195, t. 66,  
 f. 10, 1833.

13. EPHIPPIPHORA CONIFERANA. The Small Crescent T.

*Grapholitha coniferana*, *Saxs.; Ratz. F. I.* ii. 217, t. 12, f. 1,  
 1840.

## 14. EPHIPPIPHORA FISSANA. The Dinky Crescent T.

*Tortrix dorsana*, *Hüb. To.* t. 7, f. 36, 1801.

*Ephippiphora fissana*, *Dup. L. F.* xi. 542, 1836.

*Ephippiphora divisana*, *Dup. L. F.* xi. t. 264, f. 7, 1836.

## 15. EPHIPPIPHORA DORSANA. The Scarce Crescent T.

*Tortrix dorsana*, *Fab. S. E.* 654, 1775.

*Tortrix lunulana*, *Schiff. (W. V.)* 127, 1776).

*Tortrix Jungiana*, *Fröl. T. W.* 84, 1828.

*Ephippiphora Jungiana*, *Dup. L. F.* xi. 544, t. 264, f. 8, 1836.

*Pseudotomia concinnana*, *Step. (C. ii.)* 135, 1829).

## 42, (399). DICHRORAMPHA.

*Dichrorampha*, *Guén. (Ann. E. S. Fr. 2 Ser. iii.)* 185, 1845).  
*Id. (Mi.)* 51).

*Hemimene*, p., *Hüb. V.* 377, 1816.

## 1. DICHRORAMPHA PETIVERELLA. The Petiverian T. B. M.

*Phalæna-Ti. Petiverella*, *Lin. S. N.* i. 540, 1758.

*Pseudotomia Petiverella*, *Step. H.* iv. 100, 1834. *Wood, I. E.*  
138, t. 31, f. 919.

*Tortrix montana*, *Hüb. ? To.* t. 7, f. 37, 1801.

Var. *a.* *Pseudotomia lunulana*, *Wood, I. E.* 138, t. 31, f. 920.

Var. *b.* *Pseudotomia sequana*, *Wood, I. E.* 138, t. 31, f. 918.

Var. *c.* *Carpocapsa Stelliferana*, *Cur. B. E.* viii. fo. 352, 1831. *Step.*  
*H.* iv. 122, 1834.

## 2. DICHRORAMPHA SEQUANA. The Silver Blotch-back T. B. M.

*Tortrix sequana*, *Hüb. To.* t. 8, f. 44, 1831.

*Pseudotomia sequana*, *Step. H.* iv. 99, 1834. *West. & H. M.*  
ii. 123, t. 83, f. 6, 1844.

*Tortrix Jacquiniiana*, *Schiff. ? (W. V.)* 132, 1776).

## 3. DICHRORAMPHA POLITANA. The Shining Blotch-back T. B. M.

*Tortrix politana*, *Schiff. (W. V.)* 129, 1776).

*Ephippiphora alpinana*, *Dup. L. F.* xi. 322, t. 252, f. 2, 1836.

*Pseudotomia simpliciana*, *Wood, I. E.* 139, t. 31, f. 921.

4. *DICHRORAMPHA ALPINANA*. The Gold-fringed T.

*Grapholitha alpinana*, *Treit. E. S.* viii. 230, 1830.

*Tortrix Jacquiana*, *Haw. L. B.* 444, 1812.

*Pseudotomia Jacquiana*, *Step. H.* iv. 100, 1834. *Wood? I. E.* 139, t. 31, f. 922.

*Grapholitha Questionis*, *Zeller, MSS.*

Var. *a.* *Tortrix strigana*, *Haw. L. B.* 444, 1812.

*Pseudotomia strigana*, *Step. H.* iv. 101, 1834. *Wood, I. E.* 139, t. 31, f. 923.

5. *DICHRORAMPHA SIMPLICIANA*. The Plain Silver-fringed T. B.M.

*Tortrix simpliciana*, *Haw. L. B.* 444, 1812.

*Pseudotomia simpliciana*, *Step. H.* iv. 100, 1834.

*Grapholitha caliginosana*, *Treit. E. S. Sup.* x. 3, 119, 1835.

*Pseudotomia atropurpurana*, *Wood, I. E.* 139, t. 31, f. 924.

*Tortrix Artemisiana*, *Bentley, Zool.* ii. 774, 1844.

*Pseudotomia obscurana*, *West. & H. M.* ii. 125, t. 83, f. 14, 1844.

*Tortrix caliginosana*, *H.-Schæff. S. To.* t. 37, f. 263.

6. *DICHRORAMPHA SENECTANA*. The Dark Silver-fringed T.

*Dichrorampha senectana*, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 185, 1845. *Id. Mi.* 50.

7. *DICHRORAMPHA ACUMINATANA*. The Sharp-winged T.

*Grapholitha acuminatana*, *Zell.? Isis*, 1847.

*Grapholitha caliginosana*, *Dup.? L. F. Sup.* iv. 155, t. 63, f. 4, a, 1842.

*Dichrorampha caliginosana*, *Doub. (L.* 26, 1850).

8. *DICHRORAMPHA SATURNANA*. The Dingy T.

*Dichrorampha saturnana*, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 186, 1845. *Id. Mi.* 52.

9. *DICHRORAMPHA PLUMBAGANA*. The Leaden Fringed T.

*Grapholitha plumbagana*, *Treit. E. S.* viii. 218, 1830.

*Ephippiphora Strobilana*, *Dup. L. F.* xi. 284, t. 250, f. 4, 1835.

10. *DICHRORAMPHA ULICANA*. The Furze T. B. M.  
*Dichrorampha Ulicana*, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 185, 1845. *Id. Mi.* 50.  
*Grapholitha Zachana*, *Treit. E. S.* viii. 217, 1830. *Dup. L. F.* xi. 282, t. 250, f. 3, 1835.

11. *DICHRORAMPHA CONSORTANA*.\* The Dwarf T.  
*Dichrorampha consortana*, *Step. MSS.*

43, (400). EUCELIS.

- Eucelis*, *Hüb. V.* 394, 1816.  
*Trycheris*, *Guén. (Ann. E. S. Fr. 2 Ser.* iii. 190, 1845). *Id. (Mi.* 56).  
*Pammene*, p., *Hüb. V.* 378, 1816.

1. *EUCELIS AURANA*. The Double Orange Spot T. B. M.  
*Pyrallis aurana*, *Fab. S. E.* 653, 1775.  
*Pseudotomia aurana*, *Step. H.* iv. 105, 1834. *Wood, I. E.* 140, t. 31, f. 936.  
*Tortrix mediana*, *Schiff. (W. V.* 128, 1776).  
*Tinea fulvella*, *Fab.? E. S.* iii. b. 317, 1794.  
*Grapholitha aurantiana*, *Köll. Beyt. & L. Oe.* ii. 84, 1829? *teste Treit. Sup.* x. 3, 256.

44, (401). HEMEROSIA.

- Hemerrosia*, *Step. MSS.*  
*Pyrodes* (*Gen. Coleop.* 1832), *Guén. (Ann. E. S. Fr. 2 Ser.* iii. 187, 1845). *Id. (Mi.* 53).  
*Argyrotoza*, p., *Step. (C.* ii. 190, 1829).

1. *HEMEROSIA RHEEDIELLA*. The Rheedian T. B. M.  
*Phalæna-Ti. Rheediella*, *Clerck, Ic.* t. 12, f. 12, 1759.  
*Pyrallis Daldorfiana*, *Fab. M.* ii. 235, 1787.  
*Argyrotoza Daldorfiana*, *Step. H.* iv. 175, 1834. *Wood, I. E.* 164, t. 37, f. 1119.  
*Phalæna dimidiana*, *Don. B. I.* xi. 12, t. 364, f. 2, 1806.  
*Tortrix aurana*, *Hüb. To.* t. 4, f. 22, 1801.



## 45, (402). GRAPHOLITA.

Grapholita, *Step.*

Grapholitha A., *Treit.* (*E. S.* vii. 232, 1829).

Semasia, p., *Step. olim: vide* (*Cat.* ii. 179, 1829).

Catoptria (Gen. Lepid. 1816), *Guén.* (*Ann. E. S. Fr.* 2 Ser. iii. 187, 1845). *Id.* (*Mi.* 53).

## 1. GRAPHOLITA ALBERSANA. The Brown-cloaked T. B. M.

*Tortrix* Albersana, *Hüb. To.* t. 35, f. 224, 1812.

*Tortrix* Rhediana, *Haw. L. B.* 405, 1812.

*Semasia* Rhediella, *Step. H.* iv. 121, 1834. *Wood, I. E.* 146, t. 33, f. 979.

## 2. GRAPHOLITA ULICETANA. The Light Striped-edge T. B. M.

*Tortrix* Ulicetana, *Haw. L. B.* 458, 1812.

*Grapholitha* succedana, *Treit. E. S.* viii. 211, 1830.

*Semasia* lanceolana, *Step. H.* iv. 121, 1834. *Wood, I. E.* 146, t. 33, f. 980.

## 3. GRAPHOLITA ASSECLANA. The Banded Striped-edged T.

*Tortrix* asseclana, *Hüb. To.* t. 30, f. 194, 1801.

## 4. GRAPHOLITA JULIANA. Bentley's Marble T. B. M.

*Phoxopterus?* Juliana, *Bent. MSS. teste Cur.* (*G.* 170, 1831).

*Philalcea* Juliana, *Cur. B. E.* xiii. t. 583, 1836.

*Grapholitha* nimbana, *Fisch.-v.-R. MSS.?* (non *Mi.*) *Mann.* C. 3, 1842? *H.-Schæff. S. To.* t. 37, f. 266, 1847?

## 5. GRAPHOLITA HYPERICANA. The Yellow Striped-edge T. B. M.

*Tortrix* Hypericana, *Hüb. To.* t. 4, f. 23, 1801.

*Carpocapsa* Hypericana, *Step. (C.* ii. 179, 1829).

*Semasia* Hypericana, *Step. H.* iv. 121, 1834. *Wood, I. F.* 146, t. 33, f. 981.

*Tinea* Petiverella, *Schiff.?* (*W. V.* 136, 1776).

*Pyralis* strigana, *Fab.?* *M.* ii. 238, 1787.

6. **GRAPHOLITA WIMMERANA.** The Wimmerian T. B. M.  
 Grapholitha Wimmerana, *Treit. E. S. Sup.* x. 3, 111, 1835.  
 Carpocapsa? maritimana, *Dale, MSS. teste Doub.* (L. 26, 1850).  
 Carpocapsa ———, *Doug. Ent.* 384, 1842.
7. **GRAPHOLITA LACTEANA.** The Cream Sealed T.  
 Grapholitha lacteana, *Treit. E. S. Sup.* x. 3, 113, 1835.
8. **GRAPHOLITA SCOPOLIANA.** The Scopolian T. B. M.  
 Tortrix Scopoliana, *Haw. L. B.* 456, 1812.  
 Semasia Scopoliana, *Step. (C. ii.* 180, 1829).  
 Carpocapsa Scopoliana, *Step. H.* iv. 123, 1834. *Wood, I. E.*  
 t. 33, f. 988?  
 Catoptria Carduana, *Guén. Ann. E. S. Fr.* 2 Ser. iii. 188,  
 1845. *Id. Mi.* 54.
9. **GRAPHOLITA HOHENWARTHANA.** The Fulvous Sealed T. B. M.  
 Tortrix Hohenwarthiana, *Schiff. (W. V.* 129, 1776).  
 Tortrix pupillana, *Haw. L. B.* 455, 1812.  
 Semasia fulvana, *Step. (C. ii.* 180, 1829).  
 Carpocapsa fulvana, *Step. H.* iv. 123, 1834. *Wood, I. E.* 146,  
 t. 33, f. 986.  
 Carpocapsa strigana, *Cur. (G.* 170, 1831). *Id. B. E.* viii.  
 fo. 352, 1831.
- Var. *a.* Tortrix cana, *Haw. L. B.* 456, 1812.  
 Semasia cana, *Step. (C. ii.* 180, 1829).  
 Carpocapsa cana, *Step. H.* iv. 123, 1834. *Wood, I. E.* 147, t.  
 33, f. 987.
10. **GRAPHOLITA ÆMULANA.\*** The Obscure Sealed T.  
 Semasia æmulana, *Schlag. teste H.-Schæff. S.* vi. 248, 1850?  
 Tortrix latiorana, *H.-Schæff. To.* t. 44, f. 312, 1849?
11. **GRAPHOLITA CÆCIMACULANA.** The False Sealed T.  
 Tortrix cæcimaculana, *Hüb. To.* t. 5, f. 27, 1801.  
 Grapholitha Kollariana, *Mann. Fisch.-v.-R. MSS. teste*  
*Guén. Mi.* 55.  
 Semasia? neglectana, *Bent. MSS. teste Doub.* (L. 26, 1850).

## 12. GRAPHOLITA EXPALLIDANA. The Red Sealed T. B. M.

*Tortrix expallidana*, *Haw. L. B.* 469, 1812.

*Bactra expallidana*, *Step. H.* iv. 125, 1834. *Wood, I. E.* 147, t. 33, f. 992.

*Semasia rufana*, *Step. (C. ii.* 180, 1829).

*Carpocapsa rufana*, *Step. H.* iv. 124, 1834. *Wood, I. E.* 147, t. 33, f. 989.

*Catoptria Westwoodiana*, *Guén. in litt. Doub. (L.* 26, 1850).

## 13. GRAPHOLITA PUPILLANA. The Wormwood T. B. M.

*Phalæna-To. pupillana*, *Lin. F.* ii. 349, No. 1340, 1761.

*Semasia pupillana*, *Step. (C. ii.* 179, 1829).

*Carpocapsa pupillana*, *Step. H.* iv. 122, t. 34, f. 2, 1834.

*Tortrix Absinthiana*, *Hüb. To.* t. 6, f. 34, 1801.

## 46, (403). THIODIA.

*Thiodia*, *Hüb. V.* 391, 1816.

*Cochylis*, *Treit. E. S.* vii. 233, 1830.

*Catoptria*, p., *Guén. Ann. E. S. Fr. 2. Ser.* iii. 187, 1845.  
*Id. (Mi.* 55).

## 1. THIODIA CITRANA. The Lemon T. B. M.

*Tortrix citrana*, *Hüb. To.* t. 29, f. 185, 1801.

## Sub.-Fam. VI. SCIAPHILIDI.

*Sciaphilidi*, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 163, 1845. *Id.*  
*Mi.* 29.

## 47, (404). SPHALEROPTERA.

*Sphaleroptera*, *Guén. (Ann. E. S. Fr. 2 Ser.* iii. 167, 1845).  
*Id. (Mi.* 33).

*Dolophora*, *Hüb. ? V.* 387, 1816.

## 1. SPHALEROPTERA ICTERICANA. The Jaundiced Drab T. B. M.

- ♂. *Tortrix ictericana*, *Haw. L. B.* 469, 1812.  
*Cnephasia ictericana*, *Step. H.* iv. 128, 1834. *Wood, I. E.* 148, t. 33, f. 998.
- ♀. *Tortrix longana*, *Haw. L. B.* 463, 1812.  
*Cnephasia longana*, *Step. H.* iv. 127, 1834. *Wood, I. E.* 148, t. 33, f. 997.  
*Sphaleroptera capillana*, *Guén. Ann. E. S. Fr. 2 Ser.* iii. 167, 1845.

## 48, (405). CNEPHASIA.

- Cnephasia*, *Cur. B. E.* iii. fo. 100, 1826.  
*Sciaphila* (Gen. Coleopt. 1826), *Treit. (E. S.* vii. 233, 1829).  
*Eana*, *Billb. Zett. F. L.* 984, 1840.

## a. SYNDEMIS.

*Syndemis*, p., *Hüb. V.* 382, 1816.

## 1. CNEPHASIA DECOLORANA.\* The Coast Gray T.

- Cnephasia decolorana*, *Step. MSS.*  
*Cnephasia conspersana*, *Doug. Zool.* iv. 1267, f. 1, 1846.

## 2. CNEPHASIA PERTERANA.\* The Dover Gray T.

*Sciaphila perterana*, *Guén. Doub. (L. 24,* 1850). (Pr. var. ?)

## 3. CNEPHASIA OBSOLETANA. The Obscure Gray T.

- Cnephasia obsoletana*, *Step. (C. ii.* 181, 1829). *Id. H.* iv. 129, 1834.  
*Cnephasia sinuana*, *Wood, I. E.* 148, t. 33, f. 999.

## 4. CNEPHASIA PASSIVANA. The Meadow Gray T.

- Tortrix pascivana* (*pascuana* ?), *Hüb. To.* t. 16, f. 99, 1801.  
*Syndemis pascuana*, *Hüb. (V.* 382, 1816).  
*Cnephasia passivana*, *Doub. (L. 24,* 1850).

5. *CNEPHASIA SUBJECTANA*. The Gray Elm T. B. M.  
*Cnephasia subjectana*, *Guén. Ann. E. S. Fr.* 2 Ser. iii. 165, 1845.  
*Tortrix Logiana*, *Haw. L. B.* 464, 1812: (*vix Lin.*)  
*Cnephasia Logiana?* *Step. H.* iv. 129, 1834. *Wood. I. E.* 148, t. 33, f. 1002.
6. *CNEPHASIA VIRGAUREANA*. The Lesser Gray Elm T. B. M.  
*Sciaphila Virgaureana*, *Treit. E. S. Sup.* x. 3, 89, 1835.  
 Var. *a.* *Tortrix interjectana*, *Haw. L. B.* 464, 1812.  
*Cnephasia interjectana*, *Step. H.* iv. 129, 1834. *Wood, I. E.* 148, t. 33, f. 1001.
7. *CNEPHASIA ALTERNELLA*. The Large Gray Elm T. B. M.  
*Tortrix alternella*, *Schiff. (W. V.)* 135, 1776).  
*Tortrix asinana*, *Haw. L. B.* 464, 1812.  
*Cnephasia asinana*, *Step. H.* iv. 128, 1834. *Wood, I. E.* 148, t. 33, f. 1000.  
*Sciaphila Chrysantheana*, *Dup. L. F. Sup.* iv. 410, t. 83, f. 5, 1842.
8. *CNEPHASIA PERPLEXANA*. The Allied Gray T.  
*Cnephasia perplexana*, *Step. MSS.*
9. *CNEPHASIA SINUANA*. The Waved Gray T.  
*Cnephasia sinuana*, *Step. H.* iv. 128, 1834.  
*Cnephasia obsoletana*, *Wood, I. E.* 148, t. 33, f. 1003, 1835.  
*Cnephasia cinerana*, *Bent. MSS.* *West. & H. M.* ii. 143, 1844.  
*Sciaphila Stephensiana*, *Doub. (L.)* 24, 1850).
10. *CNEPHASIA CRETACEANA*.\* The Chalk Gray T.  
*Cnephasia cretaceana*, *Cur. A & M. Nat. Hist.* 2 Ser. v. 112, 1850.

11. **CNEPHASIA OCTOMACULANA.** The Eight-spotted T.  
*Cnephasia octomaculana*, *Haw. MSS. Cur. A. & M. Nat. Hist.* 2 Ser. v. 112, 1850.  
*Tortrix Penziana*, *Hüb. ? To.* t. 14, f. 85, 1801.  
*Cnephasia Penziana* ?  $\beta$ , *Step. H.* iv. 127, 1834.
12. **CNEPHASIA INCANANA.** The Scotch Gray T.  
*Cnephasia incanana*, *Step. MSS.*
13. **CNEPHASIA PENZIANA.** The Penzian T.  
*Phalæna-To. Penziana*, *Thunb. I. S.* 43, t. 2, f. 1, 1791.  
*Cnephasia Penziana* ? *Step. H.* iv. 127, 1834. *Id. Zool.* viii. 2755, 1850.  
*Cnephasia bellana*, *Cur. B. E.* iii. t. 100, 1827.  
*Sciaphila diurneana*, *Guén. Ann. E. S. Fr.* 2 Ser. iii. 166, 1845. *Id. Mi.* 32.
14. **CNEPHASIA HYBRIDANA.** The Straight-barred Gray T. B. M.  
*Tortrix hybridana*, *Hüb. To.* t. 38, f. 238, 1812.  
*Sciaphila albulana*, *Treit. ? E. S.* x. 3, 85, 1835.  
 $\delta$ . *Tortrix rectifasciana*, *Haw. L. B.* 465, 1812.  
*Cnephasia rectifasciana*, *Step. H.* iv. 130, 1834. *Wood, I. E.* 148, t. 33, f. 1004.  
 $\text{♀}$ . *Cnephasia aurifasciana*, *Step. (C.* ii. 181, 1829): (*curvifasciana*), *Step. H.* iv. 130, 1834. *Wood, I. E.* 149, t. 33, f. 1005.  
*Orthotænia aurofasciana*, *Renn. Cons.* 172, 1832.

#### b. EUDEMIS.

*Eudemis*, p., *Hüb. V.* 382, 1816.

15. **CNEPHASIA ? NUBILANA.** The Smoky Gray T. B. M.  
*Tortrix nubilana*, *Haw. L. B.* 467, 1812.  
*Cnephasia nubilana*, *Step. H.* iv. 130, 1834. *Wood, I. E.* 149, t. 33, f. 1006.  
*Tortrix glareana*, *Fröl. ? T. W.* 55, 1828.  
 $\delta$ . *Tortrix perfuscana*, *Haw. L. B.* 467, 1812.  
*Cnephasia perfuscana*, *Step. H.* iv. 131, 1834. *Wood, I. E.* 149, t. 33, f. 1007.

## 49, (406). SYNDEMIS.

Syndemis, *Hüb. V.* 382, 1816.

Cnephasia††, *Guén. (Ann. E. S. Fr. 2 Ser. iii. 165, 1845). Id. (Mi. 30).*

## 1. SYNDEMIS MUSCULANA. The Afternoon T.

B. M.

*Tortrix musculana, Hüb. To. t. 16, f. 98, 1801.*

*Tortrix trifasciana, Haw. L. B. 426, 1812.*

*Lozotania trifasciana, Step. H. iv. 79, 1834. Wood, I. E. 132, t. 30, f. 870.*

## 50, (407). PHTHEOCHROA.

*Phtheochroa, Step. (C. ii. 191. 1829). Id. H. iv. 184, 1834.*

*Phtheochroa, Guén. (Ann. E. S. Fr. 2 Ser. iii. 163, 1845).*

*Oporinia, p., Hüb. V. 387, 1816.*

## 1. PHTHEOCHROA RUGOSANA. The Beautiful Rough-wing T. B.M.

*Tortrix rugosana, Hüb. To. t. 14, f. 82, 1801.*

*Phtheochroa rugosana, Step. H. iv. 184, 1834.*

*Phalæna V-albana, Don. B. I. xi. 31, t. 371, f. 1, 1806.*

## 51, (408). ARGYROTÆNIA.

*Argyrotaenia, Step. MSS.*

*Cnephasia, t., Doub. (L. 23, 1850).*

*Cnephasia†, Guén.? (Ann. E. S. Fr. 2 Ser. iii. 165, 1845). Id.? (Mi. 30).*

## 1. ARGYROTÆNIA POLITANA. The Red-barred Gray T.

B. M.

*Tortrix politana, Haw. L. B. 465, 1812.*

*Sericoris politana, Step. H. iv. 135, 1834.*

*Cnephasia lepidana, Cur. (G. 171, 1831).*

Var. *a.* *Tortrix pulchellana, Haw. L. B. 110, 1812.*

*Sericoris pulchellana, Step. H. iv. 135, 1834, Wood, I. E. 150, t. 34, f. 1019.*

Var. *b.* *Tortrix Mercuriana, Hüb.? To. t. 51, f. 322, 1835.*

2. ARGYROTÆNIA COGNATANA.\* The Cognate Gray T.  
Argyrotænia cognatana, *Step. MSS.*

3. ARGYROTÆNIA FUSCOCILIANA. The Brown-fringed T.  
Argyrotænia fuscociliana, *Step. MSS.*

52, (409). ERIOPSELA.

Eriopsela, *Guén. (Ann. E. S. Fr. 2 Ser. iii. 163, 1845). Id. (Mi. 29).*

1. ERIOPSELA FRACTIFASCIANA. The Broken-barred T.

*Tortrix fractifasciana, Haw. L. B. 466, 1812.*

*Grapholitha Cuphana, Tisch. 1846. Fisch.-v.-R. MSS. (non Mi.)*

*Cnephasia Queketana, Dale. Cur. (An. & M. N. H. 2 Ser. v. 112, 1850).*

Var. a. *Eriopsela Caricana, Guén. Ann. E. S. Fr. 2 Ser. iii. 163, 1845. Id. Mi. 29.*

2. ERIOPSELA QUADRANA. The Brindled T.

*Tortrix quadrana, Hüb. To. t. 35, f. 223, 1812.*

Var. a. *Sciaphila? Hübneriana, Lien. in litt. teste Guén. (Ann. E. S. Fr. 2 Ser. iii. 163, 1845). Id. (Mi. 29).*

Var. ? b. *Sericoris flexulana, Dup. L. F. xi. 575, t. 265, f. 8, 1836.*

53, (410). CAPUA.

*Capua, Step. H. iv. 171, 1834.*

*Teratodes, Guén. (Ann. E. S. Fr. 2 Ser. iii. 168, 1845). Id. (Mi. 34).*

1. CAPUA OCHRACEANA. The Pale Clay T.

B. M.

*N. G. ochraceana, Step. (C. ii. 189, 1829).*

*Capua ochraceana, Step. H. iv. 172, 1834. Wood, I. E. 163, t. 36, f. 1113.*

*Sciaphila terreana, Treit.? E. S. Sup. x. 3, 88, 1835. Dup.? L. F. Sup. iv. 142, t. 62, f. 4, 1842.*

*Tortrix vulgana, Fröhl.? T. W. 63, 1828.*



## 54, (411). CLEPSIS.

Clepsis, *Guén.* (*Ann. E. S. Fr. 2 Ser.* iii. 168, 1845). *Id.* (*Mi.* 34).

## 1. CLEPSIS RUSTICANA. The Rustic T.

*Tortrix rusticana*, *Treit.?* *E. S.* viii. 95, 1830. *Dup.?* *L. F.* xi. 104, t. 240, f. 7, 1834. *Fisch.-v.-R. Mi.* t. 10, f. 2, a, b, 1834.

## Sub-Fam. VII. APHELIDI.

Aphelidi, *Guén.* (*Ann. E. S. Fr. 2 Ser.* iii. 305, 1845). *Id.* (*Mi.* 67).

## 55, (412). ABLABIA.

*Ablabia*, *Hüb. V.* 383, 1816. *Step. H.* iv. 126, 1834.

*Argyroptera*, t., *Dup. Cat.* 310, 1844.

*Aphelia*††, *Guén.* (*Ann. E. S. Fr. 2 Ser.* iii. 305, 1845). *Id.* (*Mi.* 67).

## 1. ABLABIA PRATANA. The Dotted Drab T.

B. M.

*Tortrix pratana*, *Hüb. To.* t. 36, f. 227-28, 1812.

*Tortrix quadripunctana*, *Haw. L. B.* 468, 1812.

*Ablabia quadripunctana*, *Step. H.* iv. 126, 1834. *Wood, I. E.* 147, t. 33, f. 995.

Var. a. *Cnephasia cantiana*, *Cur. B. E.* iii. fo. 100, 1827.

## 56, (413). TORTRICODES.

*Tortricodes*, *Guén.* (*Ann. E. S. Fr. 2 Ser.* iii. 305, 1845). *Id.* (*Mi.* 67).

*Oporinia* (*non Oporinia*, *H. V.* 321), *Hüb. V.* 387, 1816.

## 1. TORTRICODES HYEMANA. The Clouded Winter T.

B. M.

*Tortrix hyemana*, *Hüb. To.* t. 42, f. 267, 1814.

*Diurnea nubilea*, *Haw. L. B.* 503, 1812.

*Oporinia nubilea*, *Step. H.* iv. 234, 1834. *Wood, I. E.* 184, t. 41, f. 1269.

♀. *Tinea Tortricella*, *Hüb. Ti.* t. 2, f. 11, 1801.

*Oporinia Tortricella*, *Step. H.* iv. 234, 1834.

*Epigraphia alternella*, *Dup. (C.* 333, 1846).

Var. *a.* *Oporinia Tortricella*, *Wood, I. E.* 184, t. 41, f. 1268, 1834.

### Sub-Fam. VIII. SERICORIDI.

Sericoridi, *Guén. (Ann. E. S. Fr. 2 Ser.* iii. 156, 1845). *Id. (Mi.* 22).

#### 57, (414). EUCHROMIA.

*Euchromia*, *Step. (C.* ii. 183, 1829). *Id. H.* iv. 143, 1834.

*Stictea* (*Stictia*, Genus *Hymenop.* 1807), *Guén. (Ann. E. S. Fr. 2 Ser.* iii. 161, 1845). *Id. (Mi.* 27).

#### a. ARGYROPLOCE.

*Argyroploce*, *Hüb. V.* 379, 1816.

#### 1. EUCHROMIA ARBUTELLA. The Mountain Strawberry T.

*Phalæna-Ti. Arbutella*, *Linn. S. Nat.* i. 538, 1758.

*Tortrix Arbutana*, *Hüb. To.* t. 31, f. 195, 1802.

*Orthotænia ornata*, *Bentley? West. & H. M.* ii. 172, 1844.

#### b. EUCHROMIA.

*Euchromia*, *Step. (C. l. c.)*

#### 2. EUCHROMIA FULVIPUNCTANA. The Tawny Dotted T.

*Tortrix fulvipunctana*, *Haw. L. B.* 400, 1812.

*Euchromia fulvipunctana*, *Step. H.* iv. 143, 1834. *Wood, I. E.* 153, t. 34, f. 1037.

*Tortrix flammeana*, *Fröl. T. W.* 72, 1828. *Hüb.? To.* t. 51, f. 321, 1830?

*Orthotænia formosana*, *Cur. (G.* 171, 1831). *Id. B. E.* viii. fo. 364, 1831.

Var. *a.* *Coccyx Turionana*, *Dup. L. F.* xi. t. 247, f. 4, 1834.

## 3. EUCHROMIA PURPURANA. The Purple T.

*Tortrix purpurana*, *Haw. L. B.* 400, 1812.

*Euchromia purpurana*, *Step. H.* iv. 143, 1834. *Wood, I. E.* 153, t. 34, f. 1036.

*Coccyx? rosaceana*, *Schlæger, teste Doub.* (*L.* 23, 1850).

## 58, (415). ORTHOTÆNIA.

*Orthotænia*, *Step. (C. ii.* 181, 1829). *Guén. (Mi.* 28, 1845).

*Sericoris*, p., *Step. H.* iv. 131, 1834.

*Celypha*, p., *Hüb. V.* 382, 1816.

## 1. ORTHOTÆNIA ERICETANA. The Heath T.

*Euchromia Ericetana*, *Bentley. West. & H. M.* ii. 150, t. 93, f. 3, 4, 1844.

*Sericoris? Trifoliana*, *Zell. in litt. teste Doub.* (*L.* 23, 1850).

## 2. ORTHOTÆNIA STRIANA. The Straight-barred T.

B. M.

*Tortrix striana*, *Schiff. (W. V.* 129, 1776).

*Sericoris striana*, *Step. H.* iv. 132, 1834.

*Tortrix rusticana*, *Hüb. To.* t. 11, f. 66, 1801.

*Tortrix fasciana*, *Haw. L. B.* 460, 1812.

*Orthotænia fasciana*, *Step. (C. ii.* 181, 1829).

*Phalæna biliturana*, *Don. B. I.* xi. 32, t. 371, f. 2, 1806.

Var. *a.* *Tortrix fasciolana*, *Haw. MSS.*

*Orthotænia fasciolana*, *Step. H.* iv. 132, 1834. *Wood, I. E.* 149, t. 34, f. 1010.

## 3. ORTHOTÆNIA ANTIQUANA. The Blotched Drab T.

*Tortrix antiquana*, *Hüb. To.* t. 34, f. 213-14, 1810.

*Tortrix quadrimaculana*, *Haw. L. B.* 468, 1812.

*Orthotænia quadrimaculana*, *Step. H.* iv. 131, 1834. *Wood, I. E.* 149, t. 34, f. 1008.

## 59, (416). NOTOCELIA.

*Notocelia*, *Hüb. V.* 379, 1816. *Step. H.* iv. 136, 1834.

*Aspis*, *Treit. (E. S.* vii. 231, 1829). *Id.* viii. 156, 1834.

*Aspidia*, *Dup. L. F.* xi. 20, 1834.

## 1. NOTOCELIA UDMANNIANA. The Udmannian T. B. M.

Phalæna-To. Udmanniana, *Lin. F.* ii. 347, No. 1332, 1761.

*Don. B. I.* v. 33, t. 153, f. 2—4, 1796.

Notocelia Udmanniana, *Step. H.* iv. 138, 1834.

Phalæna Rubiana, *Scop. C.* 233, No. 585, 1764.

Tortrix Achatana, *Hüb. To.* t. 9, f. 49, 1801.

## 60, (417). SIDERIA.

Sideria, *Guén. (Ann. E. S. L. Fr. 2 Ser. iii.* 156, 1845). *Id.*  
(*Mi.* 22).

Aspis, p., *Cur. (G.* 168, 1831).

Spilonota, p., *Cur. B. E.* xii. fo. 551, 1835.

Eudemis, t., *Hüb. V.* 382, 1816.

## 1. SIDERIA ACHATANA. The Marbled Dog's-tooth T. B. M.

Tortrix Achatana, *Schiff. (W. V.* 131, 1776).

Tortrix marmorana, *Hüb. To.* t. 5, f. 25, 1801.

Sericoris marmorana, *Step. H.* iv. 137, 1834.

Spilonota marmorana, *Cur. B. E.* xii. t. 551, 1835.

Aspis similana, *Cur. (G.* 168, 1831).

## 61, (418). SERICORIS.

Sericoris, *Treit. E. S.* viii. 142, 1830. *Step. H.* iv. 131, 1834.

Orthotænia, p., *Step. (C.* ii. 181, 1829).

## a. CELYPHA.

Celypha, *Hüb. V.* 382, 1816.

## 1. SERICORIS CONCHANA. The Silver-striped T. B. M.

Tortrix conchana, *Hüb. To.* t. 17, f. 106, 1801.

Phalæna rivulana, *Scop. ? C.* 237, No. 600, 1764.

Pyralis rivellana, *Fab. ? M.* ii. 237, 1787.

Tortrix undulana, *Schiff. ? (W. V.* 131, 1776).

Sericoris undulana, *Step. H.* iv. 133, 1834. *Wood, I. E.* 150,  
t. 34, f. 1014.

## 2. SERICORIS HERBANA. The Dark Silver-dotted T.

*Sericoris herbana*, Guén. *Ann. E. S. Fr.* 2 Ser iii. 157, 1845.  
*Id. Mi.* 23.

## 3. SERICORIS LACUNANA. The Silver-dotted T.

B. M.

*Tortrix lacunana*, Schiff. (*W. V.* 131, 1776).

*Tortrix micana*, Haw. *L. B.* 460, 1812.

*Sericoris micana*, Step. *H.* iv. 134, 1834. *Wood, I. E.* 150, t. 34, f. 1016.

Var. *a.* *Sericoris obsoletana*, Step. (*C.* ii. 182, 1829). *Id. H.* iv. 133, 1834.

## 4. SERICORIS URTICANA. The Barred Nettle T.

B. M.

*Tortrix Urticana*, Hüb. *To.* t. 11, f. 65, 1801.

*Sericoris Urticana*, Step. *H.* iv. 132, 1834. *Wood, I. E.* 149, t. 34, f. 1011.

*Tortrix rivulana*, Schiff. ? (*W. V.* 131, 1776).

*Celypha æmulana*, Hüb. (*V.* 382, 1816).

## 5. SERICORIS ALTERNANA. The Daleian T.

*Orthotænia alternana*, Cur. *B. E.* viii. f. 564, 1831.

*Sericoris alternana*, Step. *H.* iv. 133, 1824. *Wood, I. E.* 150, t. 34, f. 1013.

*Sericoris Daleana*, Doub. (*L.* 23, 1850).

## b. PHIARIS.

*Phiaris*, Hüb. *V.* 380, 1816.

## 6. SERICORIS MICANA. The Silver Marbled T.

*Tortrix micana*, Hüb. *To.* t. 5, f. 28, 1801.

*Tortrix Pinetana*, Haw. *L. B.* 461, 1812.

*Orthotænia Pinetana*, Step. (*C.* ii. 182, 1829).

*Orthotænia Haworthana*, Step. *H.* iv. 179, 1834. *Wood, I. E.* 165, t. 37, f. 1129.

## 7. SERICORIS BISTRIGANA. The Double Silver-striped T.

*Sericoris bistrigana*, *Step. (C. ii. 182, 1829).*

*Argyrolepia bistrigana*, *Step. H. iv. 177, 1834. Wood, I. E. 164, t. 37, f. 1123.*

## c. EUDEMIS.

*Eudemis*, *p., Hüb. V. 382, 1816.*

## 8. SERICORIS FULIGANA. The Dark-barred Gray T.

*Tortrix fuligana*, *Haw. L. B. 465, 1812.*

*Sericoris fuligana*, *Step. H. iv. 135, 1834. Wood? I. E. 151, t. 34, f. 1120.*

*Sericoris abscissana*, *Guén. in litt. (Doub. L. 23, 1850).*

## 9. SERICORIS LATIFASCIANA. The Gold-barred T.

*Tortrix latifasciana*, *Haw. Ent. Tr. i. 337, 1813.*

*Tortrix aurofasciana*, *Haw.? L. B. 468, 1812.*

*Sericoris aurofasciana*, *Step. H. iv. 136, t. 38, f. 3, 1834. Wood, I. E. 151, t. 34, f. 1022.*

*Sericoris Grapholitana*, *Guén. Ann. E. S. Fr. 2 Ser. iii. 156, 1845.*

Var.? *a. Tortrix venustana*, *Hüb. To. t. 51, f. 326, 1836.*

## 10. SERICORIS DORMOYANA.\* The Dormoyian T.

*Grapholitha Dormoyana*, *Dup. L. F. xi. 297, t. 250, f. 10 1835.*

## 11. SERICORIS EUPHORBIANA.\* The Spurge T.

*Sericoris? Euphorbiana*, *Zell. teste Dup. L. F. Sup. iv. 152, t. 62, f. 2. 1842.*

## 12. SERICORIS BIFASCIANA. The Double-barred Orange T.

*Tortrix bifasciana*, *Haw. L. B.* 468, 1812.

*Sericoris bifasciana*, *Step. H.* iv. 136, 1834. *Wood, I. E.* 151, t. 34, f. 1023.

*Sericoris?* *decrepitana*, *Fisch.-v.-R. MSS. ?* (non *Mi.*). *Mann.* (C. 2, 1843).

## 13. SERICORIS LITORALIS. The Shore T.

*Cnephasia litoralis*, *Cur. (G.* 171, 1831).

*Eupæcilia dubitana*, *Wood, I. E.* 166, t. 37, f. 1138, 1835.

*Orthotænia venustana*, *Doug. Zool.* iv. 1268, f. 6, 1846.

*Sericoris morbidana*, *Guén. MSS. teste Doub.* (L. 23, 1850).

## 14. SERICORIS CESPITANA. The Clouded Rustic T.

*Tortrix cespitana*, *Hüb. To.* t. 39, f. 244—5, 1814.

*Sericoris cespitana*, *Step. H.* iv. 134, 1834.

Var. ? *a.* *Orthotænia gramineana*, *Cur. B. E.* viii. fo. 364, 1831.

*Sericoris gramineana*, *Step. H.* iv. 134, 1834. *Wood, I. E.* 150, t. 37, f. 1015.

## 62, (419). MIXODIA.

*Mixodia*, *Guén. (Ann. E. S. Fr. 2 Ser. iii.* 160, 1845). *Id.* (*Mi.* 26).

*Evetria*, p., *Hüb. V.* 378, 1816.

## 1. MIXODIA SCHULZIANA. The Schulzian T.

B. M.

*Pyralis Schulziana*, *Fab. G. I. M.* 293, 1777.

*Tortrix Pinetana*, *Hüb. To.* t. 10, f. 57, 1801.

*Phalæna Bentleyana*, *Don. B. I.* x. 85, t. 357, f. 1, 1801.

*Orthotænia Bentleyana*, *Step. H.* iv. 179, 1834.

*Sericoris Zinckenana*, *Treit. E. S.* viii. 143, 1830.

Var. ? *a.* *Tortrix Ahrensiana*, *Hüb. To.* t. 53, f. 337, 1836.

## 2. MIXODIA PALUSTRANA. The Marsh Silver-striped T.

*Sericoris palustrana*, *Lienig. Isis*, 1846, p. 230.

*Orthotænia cespitana*, *Cur. (G. 171, 1831)*.

*Mixodia Juvenculana*, *Guén. in litt. Doub. (L. 23, 1850)*.

## 3. MIXODIA? TENERANA. The Ratzeburgian T.

B. M.

*Pædisca tenerana*, *Dup. L. F. xi. 568, t. 266, f. 4, 1836*.

*Pædisca Ratzeburgiana*, *Saxse. Ratz. F. I. ii. 227, t. 12, f. 3, 1840*.

*Orthotænia Pinetana*, *West. & H. M. ii. 172, t. 99, f. 10, 1844*.

*Mixodia errana*, *Guén. (Ann. S. E. Fr. 2 Ser. iii. 160, 1845)*.

## 63, (420). ROXANA.

*Roxana*, *Step. H. iv. 118, 1834*.

*Melodes (Gen. Avium)*, *Guén. (Ann. E. S. Fr. 2 Ser. iii. 161, 1845). Id. (Mi. 27)*.

*Eucosma*, p., *Hüb. V. 374, 1816*.

## 1. ROXANA ARCUANA. The Arched T.

B. M.

*Phalæna arcuana*, *Clerck, Ic. i. t. 10, f. 8, 1759*.

*Roxana arcuana*, *Step. H. iv. 118, 1834. Wood, I. E. 145, t. 32, f. 973*.

*Phalæna Lambergiana*, *Scop. C. 534, No. 589, 1764*.

*Pyralis Edleriana*, *Cram. ? K. t. 396, f. K. teste Hüb. V. l. c.*

## Sub-Fam. IX. COCHYLIDI.

*Cochylidi*, *Guén. (Ann. E. S. Fr. 2 Ser. iii. 297, 1845). Id. (Mi. 59)*.

## 64, (421), LOBESIA.

*Lobesia*, *Guén. (Ann. E. S. Fr. 2 Ser. iii. 297, 1845). Id. (Mi. 59)*.

*Argyrotoza*, p., *Step. (C. ii. 190, 1829)*.

*Syricoris*, *Treit. (E. S. vii. 230, 1829)*.



## 1. LOBESIA RELIQUANA. The Orange and Black T. B. M.

*Asthenia reliquana*, *Hüb.* (V. 381, 1816).

*Tortrix permixtana*, *Hüb. To.* t. 12, f. 75, 1801.

*Argyrotoza permixtana*, *Step.* (C. ii. 190, 1829).

*Eupœcilia permixtana*, *Step. H.* iv. 183, 1834. *Wood, I. E.* 166, t. 37, f. 1137.

♀. *Cochylis Fischerana*, *Treit.? E. S. Sup.* x. 3, 145, 1835.

## 65, (422). CERATA.

*Cerata*, *Step. MSS.*

*Lobesia*, p., *Guén.* (*Ann. S. E. Fr.* 2 Ser iii. 297, 1845). *Id.* (*Mi.* 59).

## 1. CERATA SERVILLANA. The Servillian T. B. M.

*Penthina Servillana*, *Dup. L. F.* xi. 503, t. 262, f. 6, 1835.

*Philalcea Paykulliana*, *West. & H. M.* ii. t. 85, f. 22, 1844.

## 2. CERATA? SIMPLANA.\* The Least Short-cloak T.

*Cochylis? simplana*, *Fisch.-v.-R. Mi.* 38, t. 22, f. 2, 1837.

*Cochylis ambiguana*, *Dup. L. F.* xi. 505, t. 362, f. 7, 1835.

## 66, (423). CHROSIS.

*Chrosis*, *Guén.* (*Ann. E. S. Fr.* 2 Ser. iii. 306, 1845). *Id.* (*Mi.* 62).

*Phalonia*, *Hüb. V.* 393, 1816.

## 1. CHROSIS TESSERANA. The Tessellated T. B. M.

*Tortrix tesserana*, *Schiff.* (W. V. 120, 1776).

*Argyrolepia tesserana*, *Step. H.* iv. 177, 1834. *Wood, I. E.* 164, t. 37, f. 1124.

*Tortrix tessellana*, *Hüb. To.* t. 23, f. 144, 1801.

*Tinea alcella*, — *Naturf.* ix. 106, t. 2, 1783.

*Pyralis Heiseana*, *Fab. M.* ii. 231, 1787.

*Tortrix Grœndaliana*, *Thun. I. S.* 45, t. 2, f. 2, 1791.

Var. a. *Argyrolepia decimana*, *Step.* (C. ii. 190, 1829). *Id. H.* iv. 177, 1834. *Wood. I. E.* 164, t. 37, f. 1125.

## 2. CHROSIS AUDOUINANA.\* The Audouinian T. B. M.

Argyrolepia Audouinana, *Dup. L. F.* xi. 569, t. 266, f. 5, 1836.  
Argyrotoza apicalis, *West. P. & H. M.* ii. 169, t. 98, f. 8, 1844.

## 67, (424). DAPSILIA.

Dapsilia, *Hüb. V.* 394, 1816.

Chrosis, p., *Guén. (Ann. E. S. Fr. 2 Ser. iii. 306, 1845). Id.*  
(*Mi.* 62).

## 1. DAPSILIA RUTILANA. The Scarlet-barred Gold T. B. M.

Tortrix rutilana, *Hüb. To.* t. 39, f. 249, 1814.

Var. a. Tinea sanguinella, *Haw. L. B.* 572, 1829.

## 68, (425). ARGYROLEPIA.

Argyrolepia, *Step. Guén. (Mi. 63).*

Argyrolepia, p., *Step. (C. ii. 176, 1829).*

## a. COMMOPHILA.

Commophila, *Hüb. (V. 392, 1816).*

## 1. ARGYROLEPIA ÆNEANA. The Silvery Broad-bar T. B. M.

Tortrix æneana, *Hüb. To.* t. 30, f. 188, 1801.

Argyrolepia æneana, *Step. H.* iv. 176, 1834. *Wood, I. E.*  
164, t. 37, f. 1122.

## 2. ARGYROLEPIA SCHREBERSIANA.\* The Schrebersian T.

Tortrix Schrebersiana, *Fröl. T. W.* 53, 1823. *Hüb. To.* t. 49,  
f. 306, 1833.

Tortrix Lediana, *Hüb. To.* t. 24, f. 151, 1801.

## b. CHLIDONIA.

Chlidonia, *Hüb. V.* 393, 1816.

## 3. ARGYROLEPIA MUSSEHLIANA.\* The Mussehlian T.

Cochylis Musseliana, *Treit. E. S. Sup.* x. 3, 141, 1835.

## c. LOZOPERA.

Lozopera, p., *Step. H.* iv. 187, 1834.

## 4. ARGYROLEPIA BAUMANNIANA. The Baumannian T. B. M.

Tortrix Baumanniana, *Schiff. (W. V.)* 126, 1776.

Lozopera Baumanniana, *Step. H.* iv. 190, 1834. *Wood, I. E.* 168, t. 38, f. 1154.

Phalæna Hartmanniana, *Clerck ? teste Guén. Mi.* 63.

## 5. ARGYROLEPIA BADIANA. The Burdock T. B. M.

Tortrix badiana, *Hüb. To.* t. 23, f. 147, 1801.

Lozopera badiana, *Step. H.* iv. 189, 1834. *Wood, I. E.* 168, t. 38, f. 1153.

Tortrix Smeathmanniana, *Haw. L. B.* 400, 1812.

N. G. Smeathmanniana, *Step. (C.)* ii. 191, 1829.

Tortrix rubigana, *Treit. E. S.* viii. 117, 1830.

## 6. ARGYROLEPIA CNICANA. The Barred Thistle T.

Argyrolepia Cnicana, *Doub. (L.)* 27, 1850.

## 7. ARGYROLEPIA? DUBRISANA. The Marbled Dover T. B. M.

Cochylis Dubrisana, *Cur. B. E.* xi. fo. 491, 1834.

Lozopera Dubrisana, *Step. H.* iv. 188, 1834. *Wood, I. E.* 167, t. 37, f. 1148.

- Argyrolepia virginana*, *Guén. Ann. E. S. Fr. 2 Ser. iii.* 301, 1845. *Id. Mi.* 63.
- Var. *a.* *Cochylis marmoratana*, *Cur. B. E.* xi. fo. 491, 1834.  
*Lozopera marmoratana*, *Step. H.* iv. 188, 1834. *Wood, I. E.* 167, t. 37, f. 1149.
- Var. *b.* *Eupœcilia luteolana*, *Step. (C. ii.* 191, 1829). *Id. H.* iv. 184, 1834. *Wood, I. E.* 166, t. 37, f. 1140.

## 69, (426). EUPŒCILIA.

*Eupœcilia*, *Step. (C. ii.* 190, 1829). *Id. H.* iv. 181, 1834.

## a. NOTOCELIA.

*Notocelia*, p., *Hüb. V.* 380, 1816.

## 1. EUPŒCILIA ATRICAPITANA. The Black-headed T.

*Eupœcilia atricapitana*, *Step. MSS.*

## 2. EUPŒCILIA DUBITANA. The Doubtful T.

*Tortrix dubitana*, *Hüb. To.* t. 183, f. 71, 1801.

*Eupœcilia dubitana*, *Step. (C. ii.* 191, 1829). *Id. H.* iv. 183, 1834.

## b. ASTHENIA.

*Asthenia*, p., *Hüb. V.* 381, 1816.

## 3. EUPŒCILIA NANA. The Barred Dwarf T.

B. M.

*Tortrix nana*, *Hav. L. B.* 439, 1812.

*Eupœcilia nana*, *Step. H.* iv. 182, 1834. *Wood, I. E.* 166, t. 37, f. 1135.

*Eupœcilia carneana*, *Guén. Ann. E. S. Fr. 2 Ser. iii.* 298, 1845.

## c. EUPÆCILIA.

Eupæcilia, *Step.* (C. ii. 190, 1829).

4. EUPÆCILIA MACULOSANA. The Small Black-spotted T. B. M.  
*Tortrix maculosana*, *Haw. L. B.* 438, 1812.  
*Eupæcilia maculosana*, *Step. H.* iv. 181, 1834. *Wood, I. E.*  
 165, t. 37, f. 1133.
5. EUPÆCILIA SODALIANA. The Sodalian T.  
*Tortrix Sodaliana*, *Haw. L. B.* 436, 1812.  
*Eupæcilia Sodaliana*, *Step. H.* iv. 183, 1834. *Wood, I. E.*  
 166, t. 37, f. 1139.
6. EUPÆCILIA CARDUANA? The Thistle T. B. M.  
*Cochylis? Carduana*, *Zell.? Isis, teste Doub.* (L. 26, 1850).
7. EUPÆCILIA AMBIGUELLA. The Ambiguous T. B. M.  
*Tinea ambiguella*, *Hüb. Ti.* t. 24, f. 153, 1801.  
*Telea ambiguella*, *Step. H.* iv. 245, 1834. *Wood, I. E.* 187,  
 t. 41, f. 1288.
8. EUPÆCILIA ANGUSTANA. The Barred Marble T. B. M.  
*Tortrix angustana*, *Hüb. To.* t. 12, f. 74, 1801.  
*Eupæcilia angustana*, *Step. H.* iv. 182, 1834. *Wood, I. E.*  
 166, t. 37, f. 1134.  
*Tortrix ambiguana*, *Fröl. ? T. W.* 53, 1828.  
*Phalæna fasciella*, *Don. B. I.* xiii. 41, t. 452, 1808.  
*Asthenia variegana*, *Hüb. (V.)* 381, 1816).

## 9. EUPÆCILIA AFFINITANA. The Allied Marble T.

*Cochylis affinitana*, *Doug. Zool.* iv. 1268, f. 7, 1846.

## 10. EUPÆCILIA VECTISANA.\* The Isle of Wight T.

*Cochylis Vectisana*, *West. & H. M.* ii. 176, t. 100, f. 15, 1844.  
(Pr. var.?)

## 11. EUPÆCILIA GRISEANA. The Oblique-barred Gray T. B. M.

*Tortrix griseana*, *Haw. L. B.* 402, 1812.

*Eupæcilia griseana*, *Step. H.* iv. 186, 1834. *Wood, I. E.*  
167, t. 37, f. 1145.

Var.? *a.* *Eupæcilia udana*, *Guén. Ann. E. S. Fr.* 2 Ser. iii. 299, 1845.  
*Id. Mi.* 61.

## 12. EUPÆCILIA NOTULANA. The Clouded Oblique-barred T.

*Cochylis?* *notulana*, *Zell. ? teste Doub.* (*L.* 27, 1850).

Var.? *a.* *Eupæcilia cænösana*, *Step. MSS.* (Pr. var.?)

## d. COCHYLIS.

*Cochylis*, *Treit.* (*E. S.* vii. 233, 1829).

*Conchylis*, *Sodoff. Bull. S. I. Mosc.* 20, 1837.

## 13. EUPÆCILIA RUPICOLA. The Chalk-cliff T.

*Cochylis Rupicola*, *Cur. B. E.* x. t. 491, 1834, 3.

*N. G. marginana*, *Step.* (*C.* ii. 191, 1829).

*Cochylis marginana*, *Step. H.* iv. 187, 1834, 9.

*Cochylis humidana*, *Fisch. ?-v.-R. MSS.?* (non *Mi.*)

## 14. EUPÆCILIA FLAVICILIANA. The Yellow-fringed T.

*Eupæcilia flaviciliana*, *Doub.* (*L.* 27, 1850).

15. *EUPÆCILIA ROSEANA*. The Rosy T. B. M.

*Tortrix roseana*, *Haw. L. B.* 401, 1812.

*Cochylis roseana*, *Step. H.* iv. 185, t. 35, f. 1, 1834.

*Tortrix rubellana*, *Hüb. ? To.* t. 46, f. 286—7, 1828.

*Cochylis dipsaceana*, *Mann. ? (C.* 1843?)

Var. *a.* *Cochylis subroseana*, *Wood, I. E.* 167, t. 37, f. 1143.

16. *EUPÆCILIA SUBROSEANA*. The Dingy Rosy T.

*Tortrix subroseana*, *Haw. L. B.* 402, 1812.

*Cochylis subroseana*, *Step. H.* iv. 186, 1834.

*Cochylis rubroseana*, *Step. (C.* ii. 191, 1829).

*Cochylis ruficiliana*, *Wood, I. E.* 167, t. 37, f. 1144.

17. *EUPÆCILIA RUFICILIANA*. The Red Fringe T.

*Tortrix ruficiliana*, *Haw. L. B.* 402, 1812.

*Cochylis ruficiliella*, *Step. H.* iv. 186, 1834.

*Tinea ciliella*, *Hüb. ? Ti.* t. 26, f. 180, 1801.

*Tortrix rubellana*, *Hüb. ? To.* t. 46, f. 288 (285), 1828.

*Cochylis rubellana*, *Zell. teste Doub. (L.* 27, 1850).

## 70, (427). ARGYRIDIA.

*Argyridia*, *Step. MSS.*

*Cochylis*, t., *Guén. (Ann. E. S. Fr. 2 Ser. iii. 303, 1845). Id.*  
(*Mi.* 65).

1. *ARGYRIDIA DIPOLTELLA*. The Orange-barred Pearl T. B. M.

*Tinea dipoltella*, *Hüb. Ti.* t. 50, f. 345, 1834.

*Tortrix margaritana*, *Haw. L. B.* 401, 1812.

*Argyrolepis margaritana*, *Step. H.* iv. 176, 1834. *Wood, I. E.*  
164, t. 37, f. 1121.

Var. *a.* *Argyroptera Zebrana*, *Dup. L. F.* xi. 454, t. 260, f. 3,  
1835.

## 71, (428). LOZOPERA.

Lozopera, *Step.* (C. ii. 191, 1829). *Id.* H. iv. 187, 1834.  
 Cochyliis, p., *Guén.* (*Ann. E. S. Fr.* 2 Ser. iii. 303, 1845). *Id.*  
 (*Mi.* 65).  
 Aethes, *Billb.* *teste Zett.* F. L. 990, 1840.

1. LOZOPERA FRANCILLANA. The Francillonian T. B. M.  
*Pyralis Francillana*, *Fab. E. S.* iii. b, 264, 1794.  
*Lozopera Francillana*, *Step. H.* iv. 189, 1834. *Wood, I. E.*  
 168, t. 37, f. 1152.  
*Argyrolepia flagellana*, *Dup. L. F.* xi. 441, t. 259, f. 6, 1835.
2. LOZOPERA DILUCIDANA. The Short-barred Yellow T. B. M.  
*Lozopera dilucidana*, *Step. MSS.*  
*Lozopera Francillana*, var., *Step. H.* iv. 189, 1834.  
*Tortrix flagellana*, *H.-Schaff. S. To.* t. 14, f. 95.
3. LOZOPERA SMEATHMANNIANA. The Smeathmannian T. B. M.  
*Pyralis Smeathmanniana*, *Fab. S. I.* ii. 278, 1781.  
*Lozopera Smeathmanniana*, *Step. H.* iv. 189, 1834. *Wood,*  
*I. E.* 168, t. 37, f. 1151.  
*Tortrix Fabriciana*, *Hüb. To.* t. 23, f. 149, 1801.  
*Lozopera Fabriciana*, *Step.* (C. ii. 192, 1829).
4. LOZOPERA STRAMINEA. The Short-barred Straw T. B. M.  
*Tortrix straminea*, *Haw. L. B.* 401, 1812.  
*Lozopera straminea*, *Step. H.* iv. 188, 1834. *Wood, I. E.*  
 168, t. 37, f. 1150.  
*Cochylis Tischerana*, *Treit. E. S.* viii. 275, 1830.  
*Cochylis sudana*, *Dup. L. F.* xi. 571, t. 266, f. 7, 1836.
5. LOZOPERA ALTERNANA. The Littoral Straw T.  
*Lozopera alternana*, *Step.* (C. ii. 191, 1829). *Id.* H. iv. 187,  
 t. 35, f. 2, 1834.  
*Tortrix Stephensiana*, *Blunt, MSS.* *Step.* (C. l. c.).  
*Cochylis gigantana*, *Guén. MSS.* *Doub.* (L. 27, 1850).



## 72, (428), XANTHOSETIA.

Xanthosetia, *Step.* (*C.* ii. 192, 1829). *Id. H.* iv. 190, 1834.

## a. EUXANTHIS.

Euxanthis, *Hüb. V.* 391, 1816.

## 1. XANTHOSETIA HAMANA. The Hook-marked Straw T. B. M.

Phalæna-To. hamana, *Lin. S. Nat.* i. 530, 1758.

Xanthosetia hamana, *Step. H.* iv. 191, 1834. *Wood, I. E.* 169, t. 38, f. 1157.

Pyralis Zægana, var.  $\beta.$ , *Fab. S. E.* 648, 1775.

Var. a. Tortrix diversana, *Hüb. To.* t. 22, f. 139, 1801.

Xanthosetia diversana, *Step. H.* iv. 192, 1834. *Wood, I. E.* 169, t. 38, f. 1158.

Euxanthis trigonana, *Hüb. (V.* 391, 1816).

## 2. XANTHOSETIA ZÆGANA. The Zægian T. B. M.

Phalæna-To. Zægana, *Lin. S. Nat.* ii. 876, 1767.

Xanthosetia Zægana, *Step. H.* iv. 191, 1834. *Wood, I. E.* 168, t. 38, f. 1155.

Phalæna hamana, *Clerck? Ic.* t. 4, f. 4, 1759.

Var. a. Tortrix ferrugana, *Haw. L. B.* 398, 1812.

Xanthosetia ferrugana, *Step. H.* iv. 191, 1834. *Wood, I. E.* 169, t. 38, f. 1156.

## b. HYSTEROSIA.

Hysterosia, *Step. MSS.*

## 3. XANTHOSETIA? INOPIANA. The Plain Drab T.

Tortrix inopiana, *Haw. L. B.* 469, 1812.

Xanthosetia inopiana, *Step. H.* iv. 192, 1834. *Wood, I. E.* 169, t. 38, f. 1159.



# REPUTED BRITISH TORTRICES.

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Page 1.

Family I. TORTRICIDÆ.

Sub-Family II. TORTRICIDI.

Page 4.

Genus 4. LOZOTÆNIA.

Page 5.

a. PANDEMIS.

9a. LOZOTÆNIA CROCEANA.\* The Large Saffron T. B. M.

*Tortrix croceana*, *Hüb. To. t.* 19, f. 120, 1801. *Haw. L. B.* 424, 1812.

Var. *a.* *Tortrix ochreana*, var., *Dup. L. F.* xi. 561, t. 265, f. 6, 1836.

(*Lozotænia Modeeriana*, *Cur. Ann. & M. N. H.* 2 Ser. v. 110, 1850).

(*Haw. L. B. l. c.* 1812!)

S. France.

Page 7.

b. CACOEZIA.

14a. LOZOTÆNIA SUBOCELLANA. The Eyelet T.

*Lozotænia subocellana*, *Step. (C. ii.* 170, 1829). *Id. H.* iv. 75, 1834. *Wood, I. E.* 131, t. 29, f. 859.

(*Step. C. l. c.* 1829!)

N. America?

Page 8.

## b, 2. EPAGOGÆ.

Epagoge, *Hüb. V.* 389, 1816.

15 a. LOZOTÆNIA OCHREANA.\* The Ochreous Oblique-bar T. B.M.

Tortrix ochreana, *Hüb. To. t.* 21, f. 134, 1801.Lozotænia ochreana, *Step. H.* iv. 80, 1834.*(Step. H. l. c.* 1834 !)

Germany.

16 a. LOZOTÆNIA GNOMANA.\* The Dial T.

B. M.

Phalæna-To. gnomana, *Lin. F. S.* ii. 348, No. 1377, 1761.Tortrix gnomana, *Dup. L. F.* xi. 89, t. 239, f. 7, 1834.*(Haw. Pr.* 32, 1802 !)

Hungary, France.

16 b. LOZOTÆNIA? TRIFASCIANA.\* The Triple Oblique-barred T.

Pyralis trifasciana, *Fab. E. S.* iii. b, 248, 1794.*(Haw. L. B.* 426, 1812 !)

Italy.

16 c. LOZOTÆNIA? BIUSTULANA. The Scorched T.

Lozotænia biustulana, *Step. (C.* ii. 171, 1829). *Id. H.* iv. 78, 1834. *Wood, I. E.* 132, t. 30, f. 867.*(Step. C. l. c.* 1829 !)

N. America ?

16 d. LOZOTÆNIA? OBLIQUANA.\* The Doubtful Oblique-bar T.

Pyralis obliquana, *Fab. S. I.* ii. 281, 1781. *Id. M.* ii. 229, 1787. *Id. E. S.* iii. b, 257, 1794.*(Fab. l. c. Habitat in Anglia,* 1781—94 !)

England ?

Page 11—12.

9. OXIGRAPHA.

c. NEPHODESMA.

Nephodesma, p., *Hüb. V.* 390, 1816.

5. OXIGRAPHA LEACHEANA.\* The Leachian T. B. M.

Peronea Leacheana, *Cur. (G. ii. 202, 1837). West. & H. M.*  
ii. 162, t. 95, f. 15, 1844.

(*Cur. l. c.* 1837!) N. America.

Page 12—16.

10. PERONEA.

b. LOPAS.

2a. PERONEA DIVISANA.\* The White Pinioned T.

Tortrix divisana, *Hüb. To. t. 31, f. 198, 1802.*

(*Step. H. iv. 153, 1834!*) S. France.

13a. PERONEA? BORANA.\* The Doubtful Button T.

Pyralis borana, *Fab. E. S. iii. b, 270, 1794.*

(*Haw. L. B. 415, 1812!*) Sweden?

Page 19.

PARAMESIA.

2a. PARAMESIA MODEERIANA.\* The Modeerian T.

Phalæna-To. Modeeriana, *Lin. F. S. ii. 347, No. 1331, 1761.*

Tortrix Modeeriana, *Zett. I. L. 979, 1840.*

(*Haw. L. B. 423, 1812!*) N. Europe.

2b. *PARAMESIA PEREGRINANA*.\* The Peregrine T.

*Lozotænia obliquana*, *Bent. Zool.* iii. 1001, 1845. *West. & H. M.* ii. t. 80, f. 8, 1845.

(*Bent. l. c.* 1845!)

N. America?

b. *AMELIA*.

*Amelia*, *Hüb. V.* 390, 1816.

3a. *PARAMESIA*? *STEINERIANA*.\* The Steinerian T.

B. M.

*Tortrix Steineriana*, *Schiff. (W. V.* 16, 1776). *Hüb. To.* t. 27, f. 170, 1801.

(*Haw. L. B.* 417, 1812!)

S. Europe?

Page 23.

15. *CROESIA*.a. *LOZOTÆNIA*.

*Lozotænia*, p., *Steph, H.* iv. 81, 1834.

1a. *CROESIA*? *TRILEUCANA*. The Triple Blotched T.

*Tortrix*? *trileucana*, *Gm. (Guén. ?)*. *Doub. (Zool.* v. 1729, 1847).

*Lozotænia*? *Schreberiana*? *Panz. ? F. G.* vii. f. 19, 1792. *Step. (C.* ii. 172, 1829). *Id. H.* iv. 81, 1834. *Wood, I. E.* 133, t. 30, f. 875.

(*Step. C. l. c.* 1829!)

N. America?

Page 30—31.

Sub-Fam. IV. *SPILONOTIDI*.23. *SPILONOTA*.a. *HEDYA*.4a. *SPILONOTA INCARNATANA*.\* The Rosy Short-cloak T. B. M.

*Tortrix incarnatana*, *Hüb. To.* t. 30, f. 191, 1801.

(*Haw. L. B.* 435. 1812!)

Austria, &c.

Page 45.

Sub-Fam. V. GRAPHOLITHIDI.

31. PÆCILOCHROMA.

e. EPISAGMA.

Episagma, *Hüb. V.* 383, 1816.

11. PÆCILOCHROMA? SCHREBERIANA.\* The Schreberian T.

Phalæna-To. Schreberiana, *Lin. F. S.* ii. 348, No. 1338, 1761.

Tortrix Schreberiana, *Hüb. To.* t. 8, f. 45, 1801.

Phalæna dimidiaua, *Clerck ? Ic. teste Guén. (Mi. 41)*, 1845.

(*Step. C.* ii. 172, 1829!)

Germany.

Page 45—46.

32. HALONOTA.

a. EPINOTIA.

1 a. HALONOTA SIMILANA.\* The Middle Double-blotched T. B. M.

Tortrix similana, *Schiff. (W. V.* 131, 1776).

Pyralis Strœmiana, *Fab. ? E. S.* ii. 280, 1781.

Pædisca scutulana, *Dup. L. F.* xi. 351, t. 253, f. 6, 1835.

♀. Tortrix fluidana, *Schiff. (W. V.* 318, 1776).

Tortrix asseclana, *Hüb. To.* t. 4, f. 19, 1801.

(*Haw. L. B.* 462, 1812!)

Germany, Austria.

5 a. HALONOTA? RUSTICANA.\* The Rustic Blotch-back T.

Pyralis rusticana, *Fab. E. S.* iii. b, 254, 1794.

(*Haw. L. B.* 442, 1812!)

France.

Page 53.

38. RETINIA.

4 a. RETINIA RESINELLA.\* The Resin T.

Phalæna-Ti. Resinella, *Lin. S. N.* i. 539, 1758.

Coccyx Resinella, *Dup. L. F.* xi. 232, t. 247, f. 6, 1834.

(*Step. C.* ii. 181, 1829!)

Germany.

Page 53—54.

39. CARPOCAPSA.

c. HEMIMENE.

4. CARPOCAPSA AMPLANA. The Full T.

B. M.

*Tortrix amplana*, *Hüb. To.* t. 5, f. 24, 1801.

*Spilonota amplana?* *Cur. (G.* 168, 1831).

(*Cur. G. l. c.* 1831!)

France.

Page 58.

42. DICHRORAMPHA.

2 a. DICHRORAMPHA INQUINITANA.\* The Large Gold-fringed T.

*Tortrix inquitana*, *Hüb. To.* t. 8, f. 43, 1801.

*Pseudotomia Jacquiana*, var., *Step. (C.* ii. 175, 1829).

(*Haw. L. B.* 444, 1812!)

Austria.

Page 61.

45. GRAPHOLITA.

a. RHYACIONIA.

*Rhyacionia*, *Hüb. V.* 379, 1816.



## 1 a. GRAPHOLITA? HASTANA.\* The Hastian T.

Tortrix Hastana, *Hüb. To.* t. 29, f. 186, 1801.Rhyacionia Hastana, *Step. H.* iv. 419, 1834. *Wood, I. E.*  
t. 37, f. 1132, 1834.*(Wood, I. E. l. c. 1834!)*

## b. CYDIA.

Cydia, *Hüb. V.* 375, 1816.

## 1 b. GRAPHOLITA ASPIDISCANA. The Bright Sealed T. B. M.

Tortrix aspidiscana, *Hüb. To.* t. 41, f. 256, 1814.Carpocapsa aspidiscana, *Step. H.* iv. 120, 1834. *Wood, ? I. E.*  
146, t. 33 f. 978.Var. a. Tortrix Zachana, *Hüb. To.* t. 38, f. 243, 1812.Var. ? b. Tortrix Monetulana, *Hüb. To.* t. 41, f. 257, 1814.*(Cur. G. 170, 1831!)*

France.

Page 63.

## c. ANCYLIS.

Ancyliis, *Hüb. V.* 376, 1816.

## 13 a. GRAPHOLITA VAPPANA.\* The Dubious T.

Tortrix Vappana, *Hüb. To.* t. 38, f. 241, 1812.*(Cur. G. 169, 1831!)*

S. Europe?

## Sub-Fam. VI. SCIAPHILIDI.

Page 64—66.

## 48. CNEPHASIA.

## a. SYNDEMIS.

Syndemis, p., *Hüb. V.* 382, 1816.

## 7 a. CNEPHASIA WAHLBOMIANA.\* The Wahlbomian T.

Phalæna-To. Wahlbomiana, *Lin. S. N.* i. 533, 1758.Tortrix Wahlbomiana, *Hüb. To.* t. 32, f. 203, 1810.*(Haw. L. B.* 431, 1812!)

Europe.

## 14 a. CNEPHASIA? FULIGANA.\* The Dark-barred Gray T.

Tortrix fuligana, *Hüb. To.* t. 17, f. 109, 1801.*(Haw. L. B.* 465, 1812!)

Germany?

Page 67.

## 49. SYNDEMIS.

## b. NEPHODESMA.

Nephodesma, p., *Hüb. V.* 390, 1816.

## 2. SYNDEMIS? ASINANA.\* The Large Gray T.

Phalæna asinana, *Clerck, Ic.* t. 2, f. 4, 1759; *teste Guén. Mi.* 30, 1845.Tortrix asinana, *Hüb. To.* t. 16, f. 101, 1801.*(Haw. L. B.* 464, 1812!)

England?

## c. PHILEDONE.

Philedone, p., *Hüb. V.* 389, 1816.

## 3. SYNDEMIS? CINCTANA.\* The Chalk-hill T.

Tortrix cinctana, *Schiff. (W. V.)* 129, 1776).Pyralis cretana, *Fab. P. E. S.* iii. b, 250, 1794.Tortrix albidana, *Hüb. To.* t. 21, f. 132, 1801.*(Haw. L. B.* 464, 1812!)

Central France.

Page 70—71.

Sub-Fam. VIII. SERICORIDI.

58. ORTHOTÆNIA.

2a. ORTHOTÆNIA FASCIOLANA.\* The Small Straight-barred T.

*Tortrix fasciolana*, *Hüb. To.* t. 41, f. 260, 1814.

*Orthotænia fasciolana*, *Step. H.* iv. 132, 1834.

(*Step. H. l. c.* 1834!)

Germany.

Page 72.

61. SERICORIS.

a. CELYPHA?

5a. SERICORIS FLAVOFASCIANA.\* The Yellow-barred T.

*Rhyacionia flavofasciana*, *West. & H. M.* ii. 173, t. 99, f. 16,  
1844.

(*West. & H. M. l. c.* 1844!)

N. America?

c. EUDEMIS.

12a. SERICORIS BIPUNCTANA.\* The Double-spotted T. B. M.

*Pyralis bipunctana*, *Fab. E. S.* iii. b, 250, 1794.

*Tortrix Charpentierana*, *Hüb. To.* t. 45, f. 281, 1816.

(*Cur. G.* 171, 1831!)

Austria, Italy.

15. SERICORIS? LEDIANA.\* The Ledian T.

*Phalæna-To. Lediana*, *Lin. S. Nat.* i. 532, 1758.

(*Haw. L. B.* 459, 1812!)

Sweden.

16. SERICORIS PENTHINANA.\* The Cloaked Likeness T.

*Sericoris penthinana*, *Guén. Ann. E. S. Fr.* 2 Ser. iii. 159,  
1845.

(*Guén. l. c.* 1845!)

England?

## Sub-Fam. IX. COCHYLIDI.

Page 77.

## 66. CHROSIS.

## 1 a. CHROSIS DECIMANA.\* The Ten-spotted T.

*Tortrix decimana*, *Schiff.* (*W. V.* 300, 1776), *Hüb. To.* t. 23, f. 145, 1801.

*Argyrolepia decimana*, *Step. H.* iv. 177, 1834.

(*Step. C.* ii. 190, 1829!)

Austria.

Page 83.

## EUPÆCILIA.

## e. EUDEMIS.

## 18 EUPÆCILIA? PUSTULANA.\* The Dull-blotched T.

*Tortrix pustulana*, *Hüb. To.* t. 33, f. 208, 1812.

*Zeiraphera pustulana*, *Cur.* (*G.* 168, 1831).

(*Cur. G. l. c.* 1831!)

S. Europe ?

## 70a. ARGYROPTERA.

*Argyroptera*, *Dup. L. F.* xi. 24, 1834.

*Eugnosta*, p., *Hüb. V.* 394, 1816.

## 1. ARGYROPTERA LATHONIANA.\* The Lathonian T.

*Tortrix Lathoniana*, *Hüb. To.* t. 30, f. 189, 1801.

*Argyrolepia Lathoniana*, *Step.* (*C.* ii. 190, 1829). *Id. H.* iv. 176, 1834. *Wood, I. E.* 164, t. 37, f. 1120.

(*Haw. L. B.* 402, 1812!).

Hungary.

## APPENDIX.

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Page 12.

OXIGRAPHA SCOTANA, Guén. MSS.

OXI. *Alis anticis albidis, atomis fuscis substrigulatis, lituraque media brunnea; posticis fuscis apicibus strigulis saturatioribus; ciliis albidis.* (Exp. Alar. 10 lin.)

Head, thorax, and anterior wings whitish, with a faint greenish tinge, the latter sprinkled with numerous fuscous dots, somewhat dispersed in irregular transverse interrupted streaks, and forming by their confluence in the costa five or six fuscous spots: on the disk is a short longitudinal brown stripe, and at the base of the cilia, towards the anterior edge of the wings, a few distinct brown dots: posterior wings fuscous, with some darker streaks towards the apex; fringe whitish.

Black Forest, Perthshire; Scotland.

Page 13—14.

PERONEA CRISTANA.

Var. *jj.* *Peronea semistriana*, Desv. Zool. iii. 843, 1845.

Var. *kk.* *Peronea profundana*, Desv. Zool. iii. 843, 1845.

Page 18.

PERONEA? CALEDONIANA, Bentley, MSS.

PER.? *Alis anticis subacutis, rufo-brunneis fusco subreticulatis, macula obliqua costali obscuriore, posticis fuscescentibus.* (Exp. Alar. 6 lin.)

Head, thorax, and anterior wings red-brown, the latter rather narrow and somewhat acute at the tip, obscurely reticulated with

fuscous, with an oblique dusky spot towards the middle of the costa, and a faint rounded one near the tip; fringe ochreous brown: posterior wings pale brownish; fringe brownish at the base, the tip ochreous.

Some examples have a distinct black dot near the inner margin, towards the base; and others have the oblique costal spot more distinct than usual.

Near Edinburgh.

Page 19.

PARAMESIA SHEPHERDANA, *Step. MSS.*

*Tortrix gnomana*, var.  $\epsilon$ . *Haw. ? L. B.* 418, 1812.

PAR. *Alis anticis scabris, subretusis rufo-ferrugineis reticulatis, nebulis tribus fuscescentibus costalibus, ciliis rufis; posticis albicantibus.* (Exp. Alar. 8—9 lin.)

Head, thorax, and anterior wings — which are somewhat retuse — deep red-brown; the latter reticulated with fuscous, especially towards the apex; on the costa are two indistinct brown clouds, and a third on the disk darker, and united by an obscure dash to the hinder costal one; the hinder margin with a distinct red-brown line; fringe glossy-red: posterior wings whitish, clouded and slightly reticulated with fuscous towards the tip; fringe reddish.

Near Shepherd's Bush, Middlesex.

Page 35.

LITHOGRAPHIA EXCRUCIANA, *Step. MSS.*

LITH. *Alis anticis rufo-testaceis, obsoletissime fusco strigatis; posticis fuscis basi pallescente.* (Exp. Alar. 7 lin.)

Closely allied to var. *a.* of the foregoing species, but with the anterior wings of a brighter red, and very obscurely streaked with oblique brown strigæ; the costa with a few whitish spots, divided by a dusky line, towards the apex: hinder wings dull brown, with the base pale; fringe tawny-brown.

It is possible that this unique male specimen may be only a singular var. of *L. trimaculana*. It was found in Devonshire, in June.

LITHOGRAPHIA GEMINANA, *Step. MSS.*

LITH. *Alis anticis purpureo-brunneis nebulosis, fascia basi triangulari punctoque apice fuscis, costa strigis geminatis albidis.* (Exp. Alar.  $\frac{7}{8}$  lin.)

Front pale; thorax and anterior wings purplish-brown and shining; the latter with a large triangular fuscous patch at the base, and an oblique indeterminate streak of the same passing from about the middle of the costa nearly to the anal angle; the apical portion of the costa itself with eight pale silvery-white streaks, placed obliquely, and each divided by indistinct brown lines, the tip of the wing fuscous; cilia brown, with darker clouds: posterior wings fuscous, with brown fringes.

Whittlesea Mere and Yorkshire.

Page 36.

## PHLEODES TETRAQUETRANA.

*Grapholitha recondana*, *Becker, in B. M. coll. exot.*

Page 40.

BACTRA NIGROVITTANA, *Step. MSS.*

BAC. *Alis anticis luteo-albidis, plaga longitudinali nigra, in qua vitta angulata atra.* (Exp. Alar.  $7-7\frac{1}{2}$  lin.)

Probably a local variety of *B. lanceolana*: head, thorax, and anterior wings of a pale luteous-white, the latter with a broad, irregularly defined, longitudinal black streak, extending from the base to the apex, having a darker angulated patch in the middle on the disk, and a spot of similar hue between it and the base; towards the apex of the wings are a few indistinct yellowish oblique streaks; fringe ochreous: posterior wings fuscous; fringe pale.

Scotland.

2 a. BACTRA DIBELIANA. The Dark Drab T.

*Tortrix dibeliana*, *Hüb. To. t. 43, f. 272, 1816.*

Page 45.

PÆCILOCHROMA STABILANA, *Step. MSS.*

This supposed species, which occurred during the past summer, in considerable plenty, with scarcely any variation, at Whittlesea Mere, appears upon a maturer examination, to be too closely allied to some of the numerous varieties of *P. Brunnichana*, especially to var. *e*, to be considered as a distinct species, the name must therefore be expunged from our lists. The Tortrices are peculiarly disposed to vary, and in no genus more so than in the present, hence the supposition that the so-called *stabilana* was distinct from the general uniformity of the specimens; but instances do occur, where, from some unknown cause, an insect varies less in one locality than another.

Page 52.

PAMPLUSIA ALTICOLANA, *Step. MSS.*

PAMP. *Alis anticis castaneo-brunneis, strigis argenteis, marginibus internis et posticis nigro variegatis.* (Exp. Alar.  $7\frac{1}{2}$  lin.)

Front pale reddish; crown, thorax, and anterior wings deep shining chestnut brown; the latter with three silvery streaks, placed obliquely, the first about the middle of the costa, the other two equidistant from each other and the tip of the wing; on the costa itself are a few snowy-white spots, and some blackish streaks at the tip; the inner margin of the wing and a portion of the disk towards the hinder margin clouded with black; fringe deep brown, with the apical portion paler: hinder wings deep fuscous; fringe reddish brown, slightly clouded.

Scotland.

Page 60.

DICHRORAMPHA CONSORTANA, *Step. MSS.*

DICH. *Alis anticis subpurpureo-fuscis, strigis interruptis atris, costa albo nigroque punctata.* (Exp. Alar. 5 lin.)

Head, thorax, and anterior wings fuscous, with a slight purplish tinge, the latter with numerous transverse deep black streaks dis-



posed irregularly, but forming two or three prominent angles pointing towards the apex of the wing, the hinder margin with about eight black dots; and the costa with alternate black and white spots, from the former of which some of the transverse streaks originate; on the disk are a few white scales, and on the inner margin an indistinct triangular patch of the same, traversed with two brown streaks; fringe leaden brown: posterior wings fuscous, fringe pale fuscous, with a darker line.

Near London.

Page 65.

CNEPHASIA PERPLEXANA, *Step. MSS.*

CNEP. *Alis anticis albido-cinereis, macula basali unangulata, fascia obliqua, nebulisque duabus posticis, fuscis; posticis luteo-cinereis.* (Exp. Alar. 8 lin.)

Head and thorax yellowish ash-colour; anterior wings dull whitish ash, thickly sprinkled with brownish scales, with a large angulated brown fascia at the base, not extending to the inner margin; a broad, nearly straight one from the middle of the costa to the anal angle, a rounded spot on the costa between the fascia and the tip, and a border on the hinder margin; fringe ashy, with brown scales: posterior wings luteous ash; fringe ochreous: anal tuft lutescent.

Near London; distinguished by its pale under wings.

Page 66.

CNEPHASIA INCANANA, *Step. MSS.*

CNEP. *Alis anticis cinereo-albidis, fascia basali rotundata, secunda obliqua media, margineque postico nigro-fuscis.* (Exp. Alar. 7—8 lin.)

Head hoary; thorax and anterior wings pale ashy-white, or hoary, with a few dusky scales; near the base is a distinct deep fuscous bar, rounded externally, and not reaching to the inner margin; on the costa towards the middle is a similarly coloured bar, extending across the wing, but not to the anal angle, this bar is well-defined

and bi-angulated on the basal edge, but on the hinder one it is gradually shaded off to the ground colour; the hinder margin is also fuscous, with a curved black transverse streak, reaching from the costa to nearly the anal angle; fringe ashy: posterior wings and fringe pale fuscous.

Scotland; Perthshire.

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ARGYROTÆNIA COGNATANA, *Step. MSS.*

ARG. *Alis anticis argenteo-cinereis, macula angulata basali nebulisque brunneis, posticis fuscis.* (Exp. Alar. 7 lin.)

Head and thorax red-brown; anterior wings silvery-ash, with an angulated red-brown fascia at the base, some large spots of the same, forming an interrupted, oblique band from the costal to the anal angle, and some smaller spots of the same on the hinder margin; fringe red-brown: posterior wings fuscous, the apex darkest: fringe ochreous-brown.

In the specimen described, the only one I have seen, the anterior wings appear to be narrowed, from the insect having been killed too soon after exclusion from the pupa.—*J. F. S.*

Scotland.

ARGYROTENIA FUSCOCILIANA, *Step. MSS.*

ARG. *Alis anticis brunneis fasciis duabus, maculisque apicibus argenteo-albis, ciliis nigro-fuscis.* (Exp. Alar. 7 lin.)

Head and thorax fuscous: anterior wings deep dusky-brown, with an oblique irregular silvery-white band towards the base, and another placed slantingly to the inner marginal spot of the anal angle (in *A. politana* it tends to the hinder margin), both these bands are divided throughout their length, by a waved brown line, the apical portion of the wing is spotted with silvery-white; fringe entirely deep blackish-brown: posterior wings fuscous; fringe paler.

Near London.

Page 80.

*EUPECILIA ATRICAPITANA*, *Step. MSS.*

EUP. *Alis anticis albis, basi, fascia obscura media apiceque fusco-nigris; capite palisque nigris.* (Exp. Alar. 6 lin.)

Head and palpi black; anterior wings dirty-white, clouded with dusky, the base and apex black, and an obscure irregular fascia of the same in the middle; costa with some black dots; fringe dusky: posterior wings fuscous, with paler fringe.

Near Bristol.



## SYNOPSIS OF SPECIES.

\* *Indicates doubtful natives : ( — ) doubtful species.*

<p>Hylophila              prasinana              Quercana</p> <p>Earias              clorana</p> <p>Tortrix              viridana              palleana              icterana              Viburnana</p> <p>Lozotænia              Forsterana              Sorbiana              dumetana              transitana              cinuamomeana              heparana              Ribeana              Corylana              unifasciana              * croceana              piceana              fulvana              Roborana              Xylostæna              Rosana              * subocellana              semialbana              * ochreana</p>	<p>Lozotænia              costana              * gnomana              * trifasciana              * biustulana              *? obliquana              Branderiana</p> <p>Dichelia              Grotiana</p> <p>Amphisa              Gerningiana              prodromana</p> <p>Ænectra              Pilleriana</p> <p>Sarrothripa              Revayana</p> <p>Oxigrapha              literana              Scotana              scabrana              Boscana              * Leacheana</p> <p>Peronea              cristana              Hastiana              * divisana              umbrana              maccana              rufana</p>
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## Peronea

(Lipsiana)  
 favillaceana  
 Schalleriana  
 comparana  
 Caledoniana  
 permutana  
 variegana  
 tristana  
 \* borana

## Paramesia

Shepherdana  
 ferrugana  
 \* Modeeriana  
 \* peregrinana  
 aspersana  
 \* Steineriana

## Cheimatophila

mixtana

## Teras

caudana

## Dictyopteryx

contaminana  
 uliginosana  
 Lœflingiana  
 Forskahliana

## Crœsia

Holmiana  
 \* trileucana  
 Bergmanniana

## Argyrotoza

Conwayana

## Ptycholoma

Lecheana

## Eulia

ministrana

## Brachytænia

semifasciana  
 Hartmanniana

## Antithesia

corticana  
 Betulætana  
 Capræana  
 ochroleucana

## Antithesia

prælongana  
 Sororculana  
 Cynosbatella  
 Pruniana  
 dimidiana  
 sauciana  
 Grevillana  
 sellana  
 Gentianana  
 marginana  
 ustulana

## Penthina

Salicella

## Pardia

tripunctana

## Spilonota

Roborana  
 Rosæcolana  
 trimaculana  
 amœnana  
 \* incarnatana  
 neglectana  
 dealbana  
 Alnetana?  
 Aceriana  
 ocellana  
 pauperana

## Lithographia

Paykulliana  
 nisella  
 cinerana  
 nigromaculana  
 Campoliliana  
 minutana  
 trimaculana  
 excruciana  
 Penkleriana  
 obtusana  
 nævana  
 geminana

## Phlæodes

tetraquetrana  
 immundana

- Phlæodes  
 Demarniana  
 crenana ?
- Anchylopera  
 ramella  
 Upupana  
 Mitterbacheriana  
 diminutana  
 derasana  
 Lundana  
 Myrtillana  
 comptana  
 biarcuana  
 uncana  
 unguicella  
 siculana
- Bactra  
 lanceolana  
 (nigrovittana)  
 dibeliana  
 furfurana
- Cartella  
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- Hypermezia  
 angustana
- Ditula  
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 piceana  
 \* Schreberiana
- Halonota  
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 \* similana  
 Cirsiana  
 scutulana
- Halonota  
 (novana)  
 Brunnichiana  
 \* rusticana  
 turbidana  
 fœnella  
 trigeminana  
 costipunctana  
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 Populana  
 nigricostana  
 obscurana
- Anisotænia  
 Ulmana
- Semasia  
 spiniana  
 Janthinana  
 rufillana  
 Wœberana
- Coccyx  
 cosmophorana  
 Strobilella  
 splendidulana  
 argyrana  
 finitimana  
 Hyrciniana  
 ustomaculana  
 nanana  
 Vaciniana
- Heusimene  
 fimbriana
- Pamplusia  
 subsequana  
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 Buoliana  
 Pinicolana  
 Turionella  
 Pinivorana  
 \* Resinella  
 sylvestrana
- Carpocapsa  
 splendana  
 grossana

- Carpocapsa  
     Pomonella  
     \* amplana  
 Opadia  
     funebrana  
 Endopisa  
     nigricana  
     proximana  
 Ehippiphora  
     Germarana  
     puncticostana  
     Trauniana  
     regiana  
     nitidana  
     Weirana  
     Lathyrana?  
     compositella  
     internana  
     perlepidana  
     Leplastriana  
     Heegerana?  
     coniferana  
     fissana  
     dorsana  
 Dichrorampha  
     Petiverella  
     \* inquinatana  
     sequana  
     politana  
     Alpinana  
     simpliciana  
     senectana  
     acuminatana  
     saturnana  
     plumbagana  
     Ulicana  
     consortana  
 Eucelis  
     aurana  
 Hemerosia  
     Rheediella  
 Grapholita  
     \* Hastana  
     aspidiscana  
 Grapholita  
     Albersana  
     Ulicetana  
     (asseclana)  
     Juliana  
     Hypericana  
     Wimmerana  
     lacteana?  
     Scopoliana  
     Hohenwarthiana  
     æmulana  
     cœcimaculana  
     expallidana  
     \* Vappana  
 Thiodia  
     citrana  
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     ictericana  
 Cnephasia  
     decolorana  
     perterana  
     obsoletana  
     passivana  
     subjectana  
     Virgaureana  
     alternella  
     \* Wahlbomiana  
     perplexana  
     sinuana  
     cretaceana  
     octomaculana  
     incanana  
     Penziana  
     hybridana  
     \* fuligana  
     nubilana  
 Syndemis  
     musculana  
     \* asinana  
     \* cinctana  
 Phtheochroa  
     rugosana  
 Argyrotaenia  
     politana



- Eupæcilia  
     rupicola  
 Argyrotænia  
     cognatana  
     fuscociliana  
 Eriopsela  
     fractifasciana  
     quadrana  
 Capua  
     ochraceana  
 Clepsis  
     rusticana  
 Ablabia  
     pratana  
 Tortricodes  
     hyemana  
 Argyroplcece  
     Arbutella  
     fulvipunctana  
     purpurana  
 Orthotænia  
     Ericetana  
     striana  
     \* fasciolana  
     antiquana  
 Notocelia  
     Udmanniana  
 Sideria  
     Achatana  
 Sericoris  
     conchana  
     herbana  
     lacunana  
     Urticana  
     alternana  
     \* flavofasciana  
     uncana  
     bistrigana  
     fuligana  
     latifasciana  
     Euphorbiana  
     bifasciana  
     \* bipunctana  
     littorana
- Sericoris  
     cespitana  
     \* Lediana  
     \* penthinana  
 Mixodia  
     Schulziana  
     palustrana  
     tenerana  
 Roxana  
     arcuana  
 Lobesia  
     reliquana  
 Cerata  
     Servillana  
     simplana  
 Chrosis  
     tesserana  
     \* decimana  
     Audouinana  
 Dapsilia  
     rutilana  
 Argyrolepia  
     æneana  
     Schrebersiana  
     Mussehliana  
     Baumanniana  
     badiana  
     Cnicana  
     Dubrisana  
 Eupæcilia  
     atricapitana  
     dubitana  
     nana  
     maculosana  
     Sodaliana  
     Carduana  
     ambiguella  
     angustana  
     affinitana  
     (Vectisana)  
     griseana  
     notulana

Eupæcilia	flaviciliana	Lozopera	Francillana
	roseana		dilucidana
	subroseana		Smeathmanniana
	ruficiliana		straminea
	* pustulana		alternana
Argyridia	dipoltella	Xanthosetia	hamana
Argyroptera	* Lathoniana		Zægana
			inopiana

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*Add* Coccyx pygmæana.

„ Pamplusia Monticolana.

*Dele* „ subsequana.

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## E R R A T A .

- Page. Line.  
 70. 11. For EUCHROMIA, read ARGYROPOLOCE.  
 " 17. " EUCH. ARBUTELLA, read ARGYROPOLOCE ARBUTELLA.  
 " 23. " EUCH. FULVIPUNCTANA, read ARGYROPOLOCE FULVI-  
 PUNCTANA.  
 71. 2. " EUCH. PURPURANA, read ARGYROPOLOCE PURPURANA.





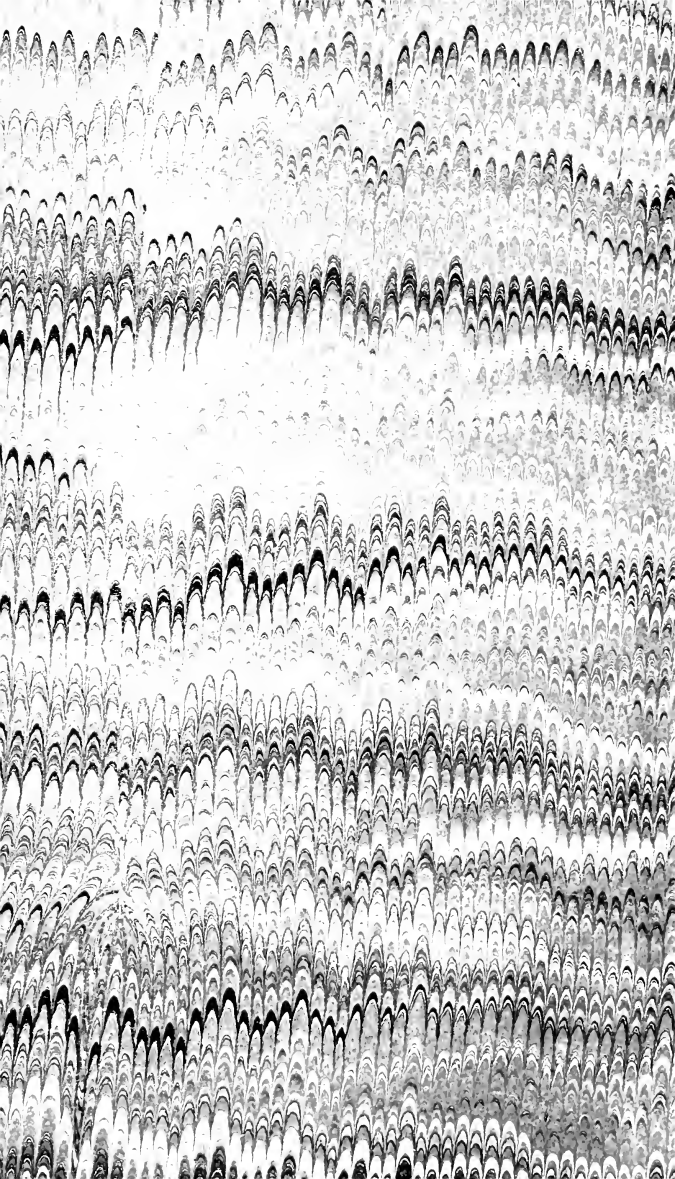


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