

AID
TO THE
IDENTIFICATION
OF
INSECTS



COLLECTION
OF
WILLIAM SCHAUS
◎
PRESENTED
TO THE
NATIONAL MUSEUM
MCMV

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A I D

TO THE

IDENTIFICATION

OF

INSECTS.

EDITED BY

CHARLES OWEN WATERHOUSE.
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PREFACE.

I REGRET that from change of circumstances the publication of 'Aid' must, at least for the present, be discontinued. In my second volume I have as far as possible adhered to my original design. After part 15, however, acting on the suggestion of some of my subscribers, I introduced the system of figuring more than one species on each plate, by which means I was able to give representations of twenty-five species for a subscription up till that time paid for sixteen figures.

Although this plan certainly has its advantages, it increased very greatly my labours as editor, a circumstance which would not in itself have prevented me carrying on the work, but which, when combined with others, has had considerable weight in deciding me to discontinue the publication.

I originally undertook the work on account of the great need which I felt of good figures. Thousands of species are annually described, but few descriptions are accompanied even by a wood-cut, and the difficulty of determining insects without such help is only too well known. I felt therefore that I could scarcely do the cause of systematic entomology greater service than by publishing a work of this kind, and it is with the greatest reluctance that I discontinue it. That I do not believe species can (except in a few cases) be determined with certainty from a figure

only is testified by the title of my book ; a drawing, however, is a great help, and it not only assists in the identification of the species figured, but provides a definite object with which describers may compare new species.

Of the 416 species figured in this second volume, 375 are drawn from actual type specimens ; 29 are from specimens kindly sent to me by Captain Broun from New Zealand, and are mostly species described by him ; and the remaining twelve are from various sources, but are all from specimens the correct determination of which cannot, I think, be questioned.

I tender my best thanks to those Entomologists who have placed their specimens at my disposal, particularly to Messrs. H. W. Bates, W. L. Distant, H. Druce, O. Janson, F. Moore, F. P. Pascoe, the Rev. H. S. Gorham, Captain Broun and Miss Sharpe.

August 16th, 1890.

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OBSERVATIONS.

PSELAPHANAX SETOSUS. Plate 120.

This species, described by Mr. Walker as one of the *Scydmaenidae*, is of course Carabideous, and as has already been pointed out, is the same as *Selinus Westermanni* Mots.

CYCHRUS CONVEXUS. Plate 125.

The figure of this species is taken from an example obtained by Mr. George Lewis in Japan.

HELOTA CEREPUNCTATA & GEMMATA. Plate 133.

As the sexes of these species differ in the form of the apex of the elytra, outlines of this part in the females are represented in figures 1a, and 2a.

TESSERATOMA HORNIMANI. Plate 135.

I have in figures 1b and 1a represented the larva and pupa of this species on the authority of Mr. Distant, who received them at the same time with the imago.

PRIOCNEMIS PASCOEI. Plate 137.

This insect, as will be seen by a reference to the figure, is an Ichneumon. The specimen from which it was described being in a somewhat bad condition, it was, by an oversight, included by Mr. Kirby among the new *Priocnemides* with which it was received.

NOVITAS NIGRANS. Plate 138.

This species is figured from the unique specimen in Captain Broun's collection. It was most kindly sent for that purpose (with a large number of others) by that gentleman.

MACROGLOSSUM CYNNIRIS. Plate 140.

This is figured from a specimen in the Dublin Museum determined by Mr. W. F. Kirby.

ALEURON BUTLERİ. Plate 140.

The type specimen from which this species is figured has unfortunately lost the antennæ.

IDMAIS MAINUNA AND ERIS. Plate 143.

The figures of *I. mainuna* are taken from Mr. Kirby's types in the Dublin Museum. A male example of *I. eris* agreeing perfectly with the figure given by Klug, (Symb. Phys. t. vi. t. 15, 16) was received at the Dublin Museum from Abyssinia, and with it the specimen figured here as the female of this species, and described as such by Mr. Kirby. The specimen had no antennæ.

LOMAPTERA DU BOULAYI. Plate 144.

The specimen figured is in the British Museum, determined from M. Thomson's description by the Editor.

HYLOTOMA FUMIPENNIS. Plate 156.

This species, and many other Hymenoptera, are figured from the type specimens described by the late Mr. F. Smith, in the Second Yarkand Expedition. The specimens appear to have been in spirit, and many of them are in bad condition, which has given the artist much trouble in drawing them. I have figured all the types from this Expedition which were in sufficiently good condition to make a drawing possible.

IMMEDIA OCCULTA. Plate 158.

In order to show the form of the head and thorax, these parts of the insect are represented in the figure in a somewhat unnatural position. The insect is sub-globular, and the head and thorax in their proper position are much deflexed, so that the head is scarcely visible from above.

MELOETYPHLUS FUSCUS. Plate 161.

By an unfortunate oversight this species has been figured with only four instead of five joints to the anterior and intermediate tarsi.

CRYPTUS INSIDIATOR. Plate 162.

See remarks on *Hylotoma*. The side views of the abdomen of this and other species figured on the plate are given in the position in which they are in the types. The abdomen of *Paniscus quadrilineatus* was too much distorted to be figured.

APHNEUS ORCAS. Plate 163.

My figure is taken from a specimen determined by Mr. A. G. Butler, to be referable to this species.

TITHOES PALINII. Plate 167.

Some years ago Prof. Westwood kindly furnished me with a sketch of the type of this species, which is in the University Museum at Oxford. The British Museum example here figured only differs from Prof. Westwood's sketch in being a little smaller. It is quite distinct from *T. yoloensis* with which it is associated in the Munich Catalogue.

DIPLOCLADON HASSELTII. Plate 167.

The antennæ in this species do not appear so broad as they are drawn in the figure, the branches of the joints being represented as expanded but in a natural position they are much deflexed. The punctuation is much more delicate on the thorax than on the elytra.

POMPILUS DIVISUS. Plate 169.

This species, as will be seen by a reference to the figure, is an *Ichneumon*, but by some unaccountable oversight was described by the late Mr. Smith as a *Pompilus*; it is very closely allied to *I. bipustulatus* which I figure on the same plate.

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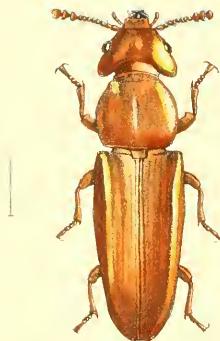
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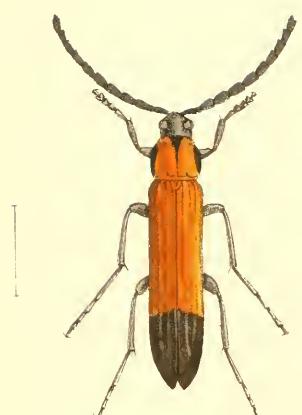
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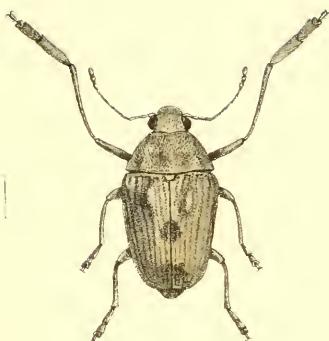
Gempylodes superans,
Pascoe, Ann & Mag. Nat. Hist., IX (1882), v. 26
Siam



Dryocora Howitti
Pascoe, Proc Ent Soc, (1868), p XI
New Zealand



Hylotastes terminatus.
Pascoe, Ann & Mag Nat Hist, IX (1882), p 26
Borneo.



Doticus palmaris,
Pascoe, Ann & Mag. Nat Hist, IX, (1882), p. 27
Queensland



Erebia scoparia,
Butler, Proc. Zool. Soc., (1881), p. 849
Japan.



Vanessa lunigerā,
Butler, Proc. Zool. Soc., 1881, p. 850
Japan.



Thecla orsedice,
Butler; Proc. Zool. Soc., (1881), p. 852



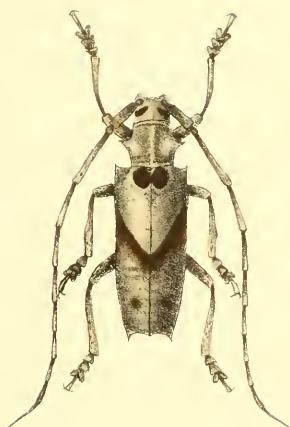
Lycæna iburiensis
Butler, Proc. Zool. Soc., (1881), p. 852



Eulytus nodipennis,
Waterhouse, Ann & Mag. Nat. Hist., IX. (1882), p. 175.
East Africa

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Perilaphidess testator
Ewbank, Trans Ent Soc. Ill. (366), p. 28.
New Guinea



Stigmodera tibialis
Waterhouse, Trans Ent Soc, (1874), p 540
South Australia



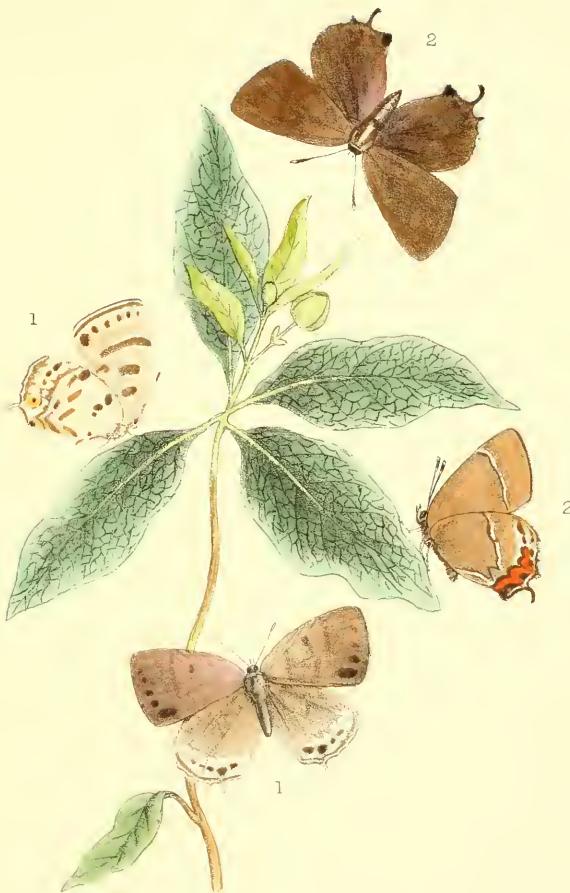
Campylotes Atkinsoni.
Moore, Descrip. of Lepid. Ins in Coll. Atkins. n. I. (1879), p. 17
Darjiling.



Thecla ibara,
Butler, Proc. Zool. Soc., (1881), p. 852.
Japan.



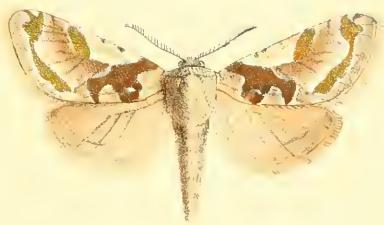
1 *Thecla regina*, 2 *Thecla signata*,
Butler, Proc Zool Soc., (1881), p 853-4
Japan



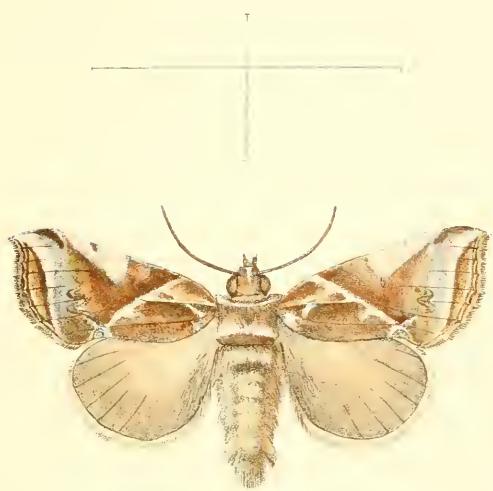
1 *Thecla Butleri*, 2 *Strymon Fentonii*,
Butler & Fenton, Proc. Zool. Soc., (1881), p 853-4.
Japan.

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Unilangiaus ornatus,
Dittrich; *Trans Ent. Soc.*, (1882), p 23
Chili.

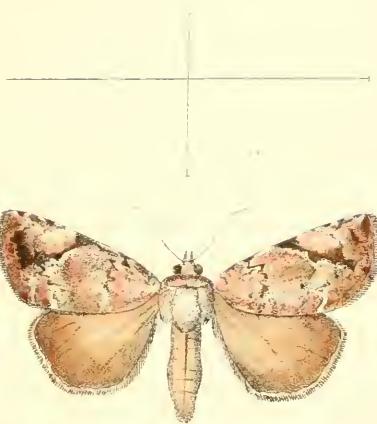


Sphingra *varia* *Moore*
"Sphingra varia" Moore ill. Aborigines of India, p. 26
Khasia Hill.

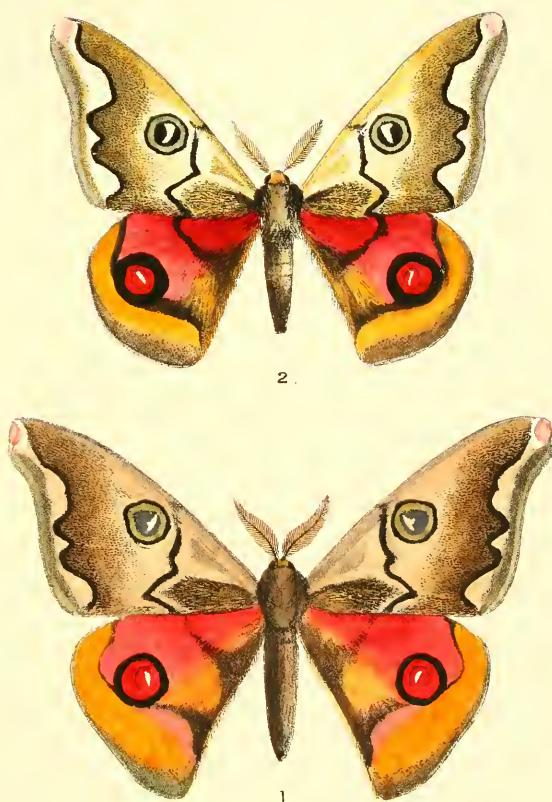


Ald

Gill



Tyraena obliqua.
Nat. Linn. Soc. Ins. Coll. Atkinson, pt. II. 1882, p. 95
Darjeeling



1.
Attacus Andromeda,
Philippi, Linn. Ent., XIV. (1860), p. 280.

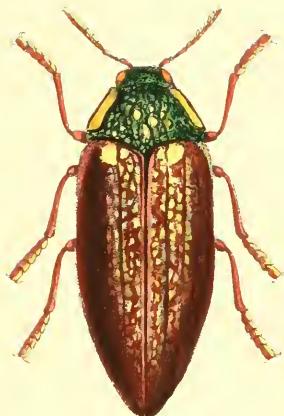
Valdivia

2.
Polythysana Edmonsonii,
Butler, Trans. Ent. Soc. (1882), p. 19.

Chili.



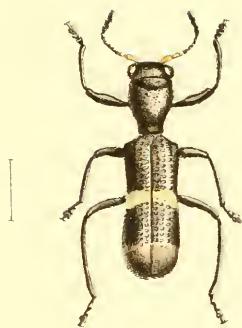
Pselaphanax setosus,
Walker, Ann & Mag Nat Hist, III, (1859), p. 52
Ceylon



Sternocera Syriaca,
Saunders. Cist. Ent., I. (1874), p. 220.
Syria



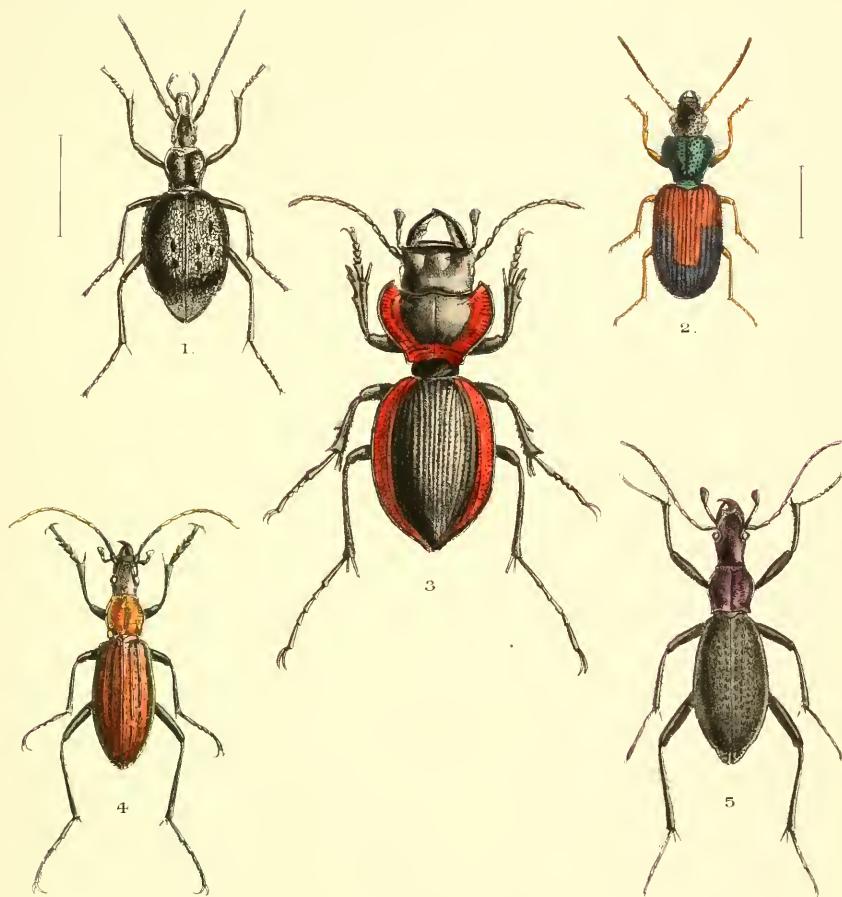
Tenerus flavigollis,
Gorham, Trans. Ent. Soc. Lond., (1877), p 404.
Laos.



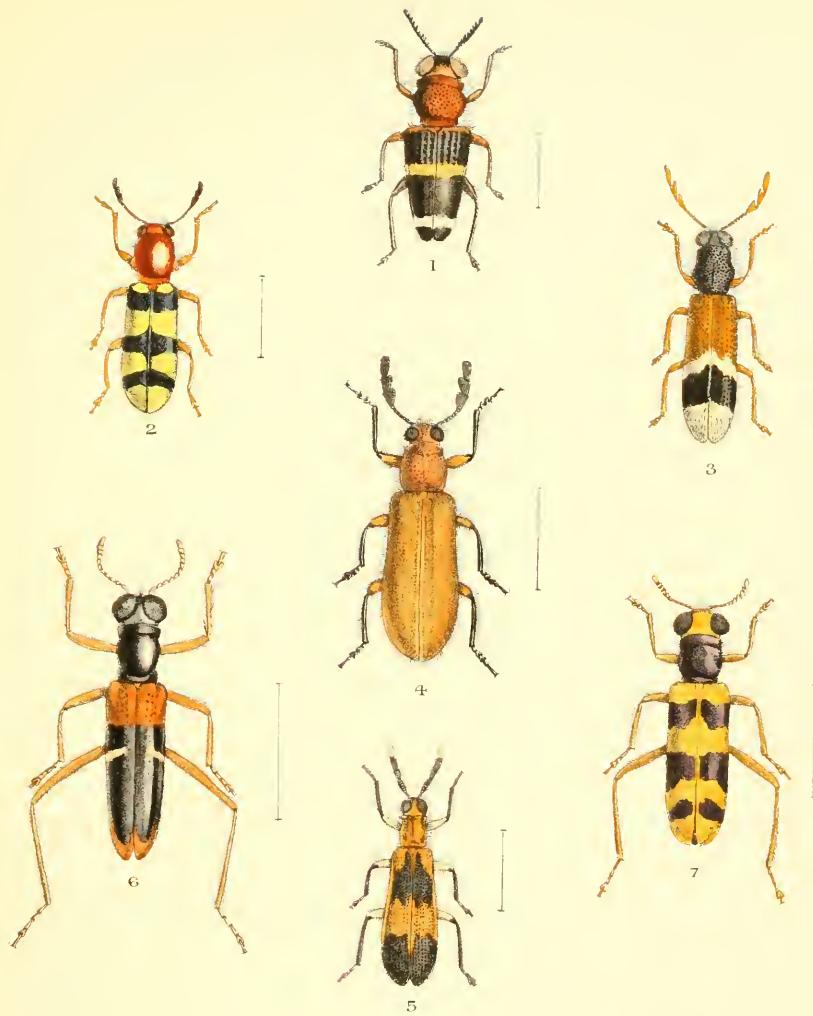
Olesterus gracilis,
Gorham, Cist. Ent., II, (1876), p. 87.
Australia.



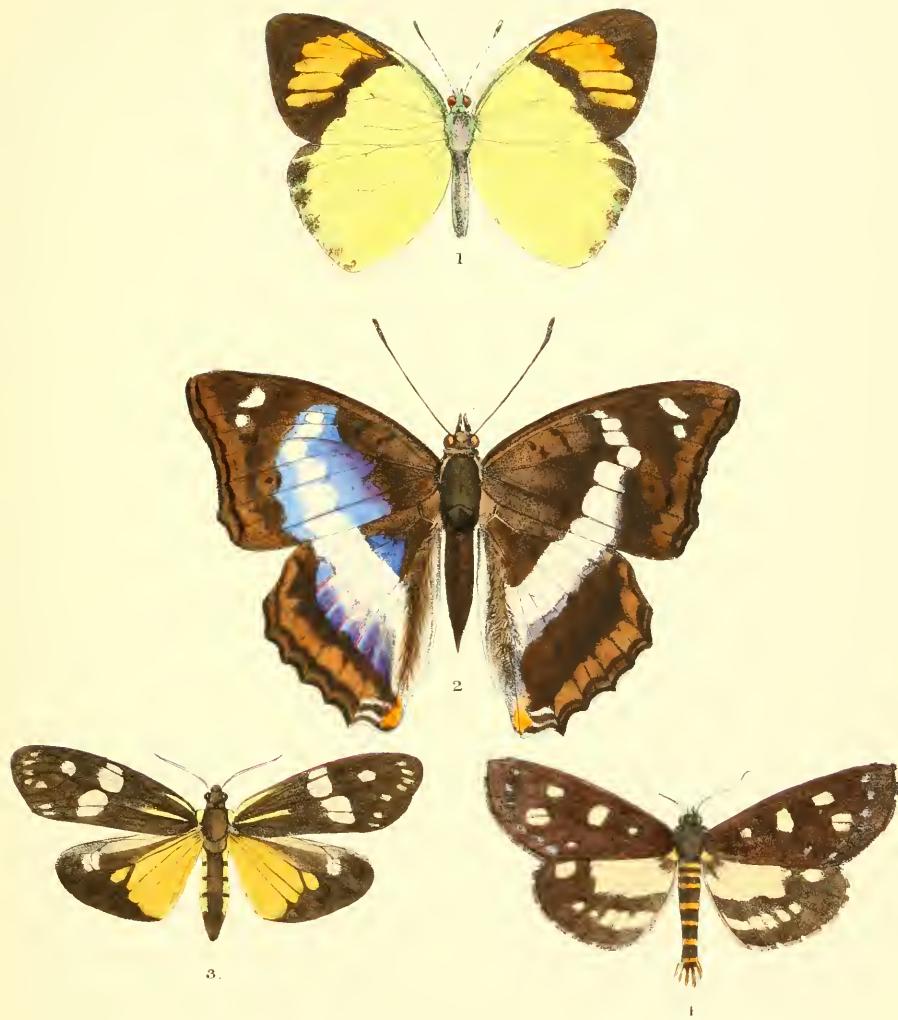
Phellus glaucus,
Walker, *Insecta Saundersiana*, (1850), p. 110
W. Australia



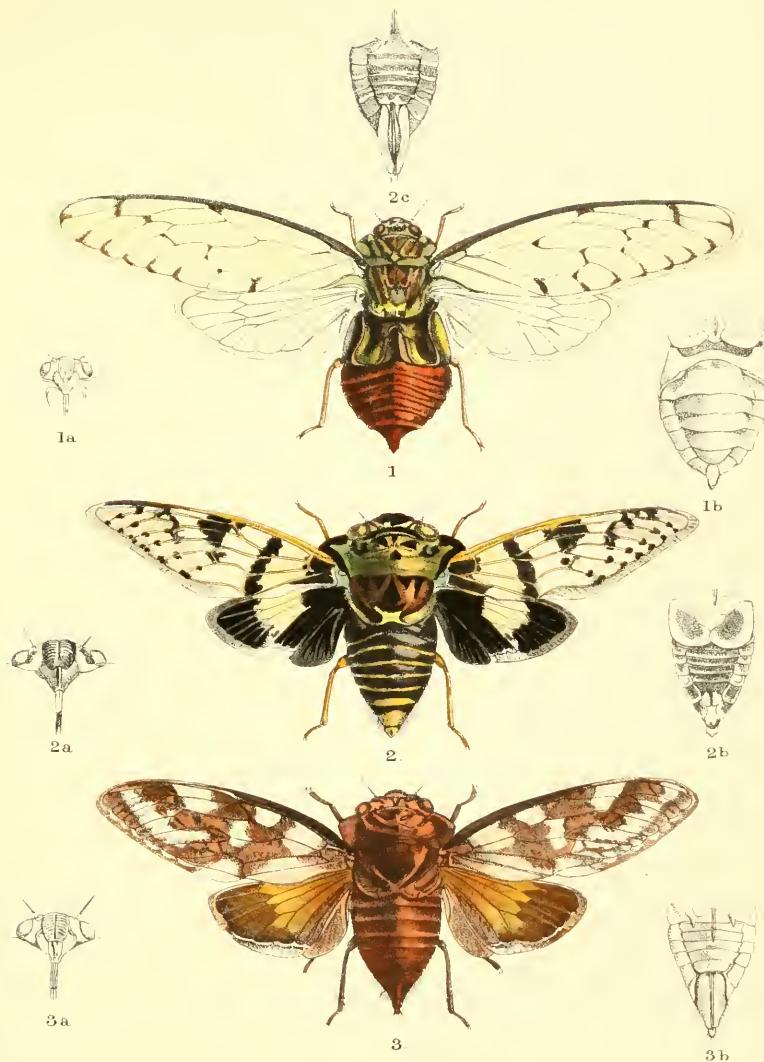
1. *Cychrus convexus*, Morawitz, Mem. Ac. Sci. St Petersb., VI, (1863), p. 7. Japan
 2. *Cymindis damio*, Bates, Trans. Ent. Soc., (1873), p. 310. Japan.
 3. *Mouhotia Batesi*, Lewis, Ent. Mo. Mag., XV, (1879), p. 186. Burmah
 4. *Carabus Gehini*, Fairmaire, Petit Nouvelle Ent., II, (1876), p. 37. Japan
 5. *Damaster capito*, Lewis, Ent. Mo. Mag., XVII, (1881), p. 197. Japan
 Edwin Wilson, del et lith. Mintern Bros. imp.



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|---|----------------|
| 1. <i>Hemitrachys bizonatus</i> , Gorham, <i>Cist Ent., II</i> , (1876), p. 92. | Singapore |
| 2. <i>Pelonium ruficolle</i> , Gorham, <i>Trans Ent. Soc.</i> , (1877), p. 419. | Parana |
| 3. <i>Pelonium Badeni</i> , Gorham, <i>Trans Ent. Soc.</i> , (1877), p. 420. | Brazil. |
| 4. <i>Pelonium extraneum</i> , Gorham, <i>Trans Ent. Soc.</i> , (1877), p. 423. | Laos. |
| 5. <i>Ichnea mitella</i> , Gorham, <i>Trans Ent. Soc.</i> , (1877), p. 411. | Amazons. |
| 6. <i>Omadius abscissus</i> , Gorham, <i>Cist Ent., II</i> , (1876), p. 106. | Batchian. |
| 7. <i>Omadius vespiformis</i> , Gorham, <i>Cist Ent., II</i> , (1876), p. 103. | Phillipine Is. |



1. *Ixias satadra*, ♂, Moore, *Ann. Nat. Hist.*, XX, (1877), p 50. Simla
2. *Apatura Bhavana*, ♂, Moore, *Trans. Ent. Soc.*, (1881), p.307. N.E Bengal.
3. *Eterusia shahama*, ♀, Moore, *Proc. Zool. Soc. Lond.*, (1865), p 801. Darjeeling.
4. *Eusemia funebris*, Moore, *Proc. Zool. Soc. Lond.*, (1872), p 569. Darjeehng.



1. *Zammara columbia*, Distant, *Trans. Ent. Soc.*, (1881), p. 628. Colombia.
2. *Poecilopsaltria leopardina*, Distant, *Trans. Ent. Soc.*, (1881), p. 630. E. Africa.
3. *Platyleura inquinata*, Distant, *Trans. Ent. Soc.*, (1881), p. 631. E. Africa.



3.



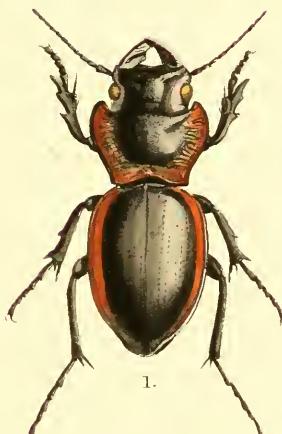
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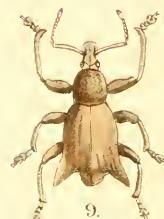
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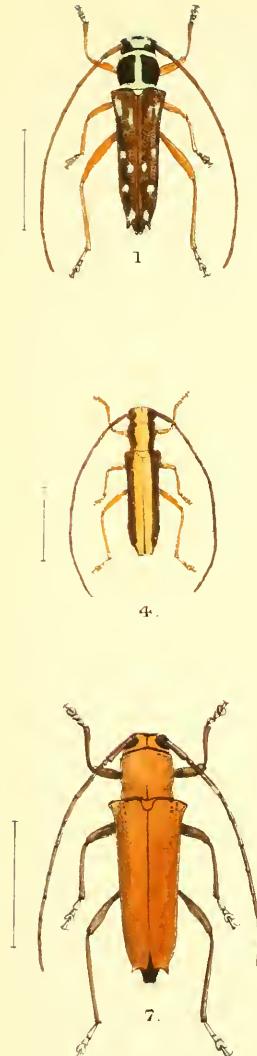


8.



4.

1. *Mouhotia convexa*, Lewis, Ent. Mo. Mag., XIX, (1883.) p. 193. Laos
2. *Parautilus basahs*, Gorham, Trans. Ent. Soc., (1878.) p. 158. Morton Bay
3. *Doryphora militaris*, Jacoby, Proc. Zool. Soc., (1878.) p 991. Colombia
4. *Doryphora insulans*, Jacoby, Proc. Zool. Soc., (1878.) p 147. Peru.
5. *Doryphora fulvicollis*, Jacoby, Cistula Ent., II. (1879.) p. 516. Peru.
6. *Doryphora fulvonotata*, Jacoby, Cistula Ent., II. (1879.) p 519. Peru
7. *Prosternus militaris*, Pascoe, Ann. & Mag. Nat Hist., IX. (1882.) p. 35. Ega.
8. *Pactola variabilis*, Pascoe, Ann. & Mag. Nat Hist., XVII. (1876) p 38. N Zealand.
9. *Apiocalus cornutus*, Pascoe, Cistula Ent., II. (1882.) p. 590. Fiji.



1. *Glenea adelia.*
2. *Glenea coris,*
3. *Glenea detrita,*
4. *Glenea eclectica,*
5. *Glenea concinnata,*
6. *Glenea honora.*
7. *Glenea tringaria,*
8. *Glenea extensa,*

Pascoe, Trans. Ent. Soc., III, (1867), p. 367.
Pascoe, Trans. Ent. Soc., III, (1867), p. 366.
Pascoe, Trans. Ent. Soc., IV, (1858), p. 259.
Pascoe, Trans. Ent. Soc., III, (1867), p. 399.
Pascoe, Trans. Ent. Soc., III, (1867), p. 403.
Pascoe, Trans. Ent. Soc., III, (1867), p. 373.
Pascoe, Trans. Ent. Soc., III, (1867), p. 412.
Pascoe, Trans. Ent. Soc., IV, (1858), p. 258.

Sarawak.
 Singapore.
 Macassar.
 Sarawak.
 Menado.
 Penang.
 Menado
 Singapore



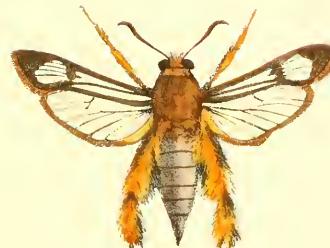
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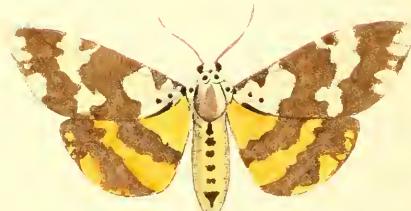
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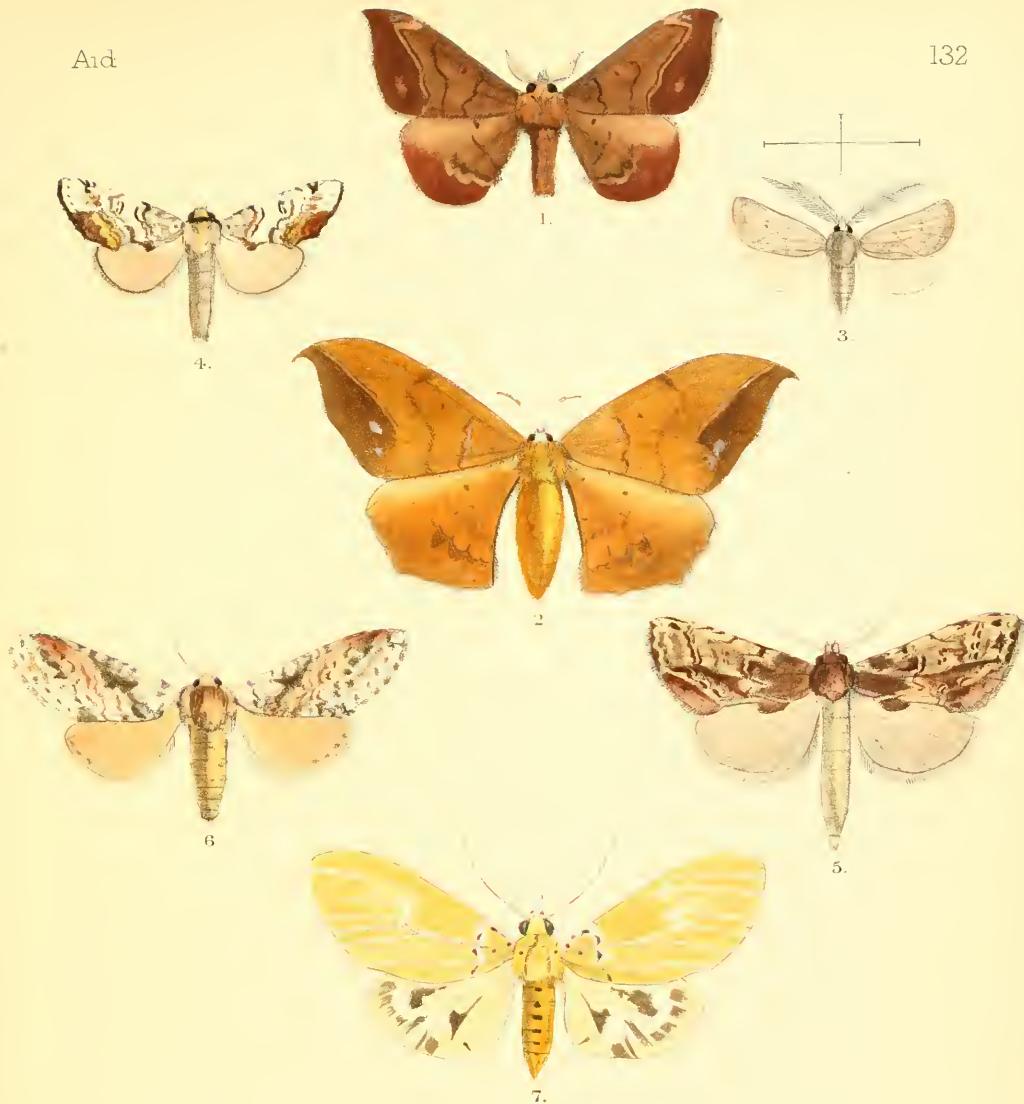


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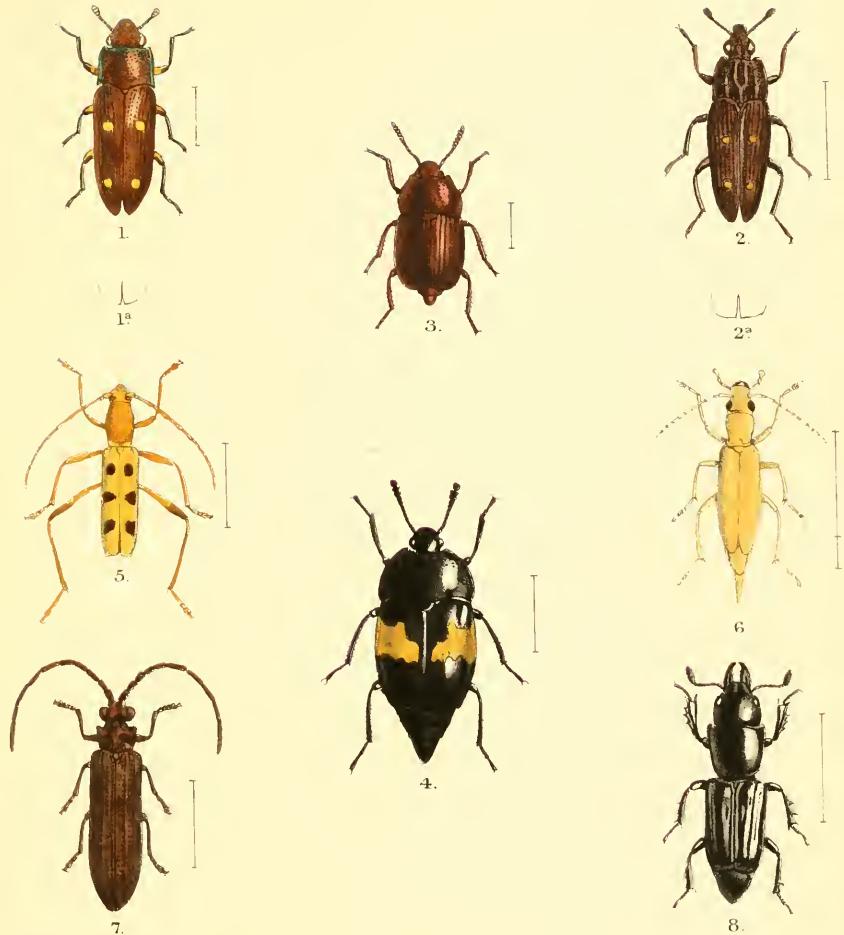


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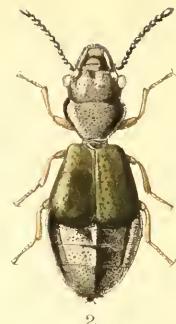
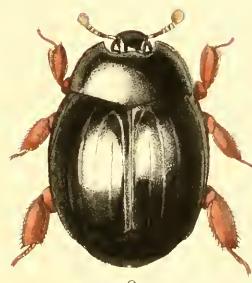
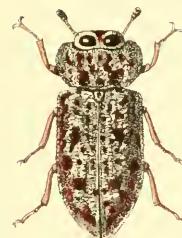
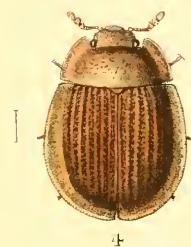
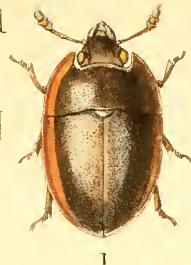
1. *Glanycus tricolor*, Moore, *Descr. of Lepid. in Coll. Atkinson*, I, (1879), p. 38 Darjeeling.
2. *Chalcosia nympha*, Moore, *Proc. Zool. Soc. Lond.*, (1879), p. 704 Hainan
3. *Chelura basiflava*, Moore, *Proc. Zool. Soc. Lond.*, (1879), p. 391 Darjeeling.
4. *Melitia gigantea*, Moore, *Proc. Zool. Soc. Lond.*, (1879), p. 413 Masuri
5. *Seudyra venosa*, Moore, *Proc. Zool. Soc. Lond.*, (1879), p. 389 Darjeeling.
6. *Pangura matherana*, Moore, *Proc. Zool. Soc. Lond.*, (1879), p. 396 Bombay.



12. *Andracea trilochoides*, ♂, ♀, Moore, Proc. Zool. Soc., (1865) p. 820. Darjeeling
 3. *Accusmaticus magnicornis*, Butler, Trans. Ent. Soc., (1882) p. 8. Chih.
 4. *Lophopteryx argentata*, Moore, Desc. Lep. Coll. Atkins, I (1879). Darjeeling
 5. *Lophopteryx ferruginosa*, Moore, Desc. Lep. Coll. Atkins, Darjeeling
 6. *Heterocampa maculata*, ♀, Moore, Proc. Zool. Soc., (1879) p. 61. NW Himalaya
 7. *Danalis concana*, Moore, Proc. Zool. Soc., (1878.) p. 4. S. India.



1. *Helota cereopunctata*, Lewis, Ent. Mo. Mag., XVII. (1881) p. 255. Japan.
2. *Helota gemmata*, Gorham, Trans. Ent. Soc., (1874) p. 447. Japan.
3. *Trygæus princeps*, Sharp, Trans. Ent. Soc., (1874) p. 421. Japan.
4. *Nodinus leucofasciatus*, Lewis, Ann. & Mag. Nat. Hist., IV (1879) p. 460. Japan.
5. *Clytus (Elextira) Balyi*, Pascoe, Trans. Ent. Soc., V. (1859) p. 27. India.
6. *Thelyphassa diaphana*, Pascoe, Ann. & Mag. Nat. Hist., XVIII. (1876) p. 58. N Zealand.
7. *Cupes clathratus*, Solsky, Hor. Soc. Ent. Ross., VII. (1870) p. 370. Japan.
8. *Syntelia histeroides*, Lewis, Ent. Mo. Mag., XIX. (1883) p. 138. Japan.

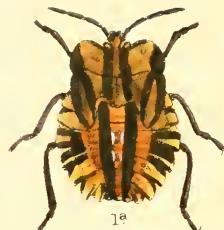


1. *Prometopia rhombus*,
2. *Inopeplus borneensis*,
3. *Narcisa lynceus*,
4. *Ancyrona Pryeri*,
5. *Lasiodactylus notabilis*,
6. *Phylloscelis orbicularis*,
7. *Psammœcus hirsutus*,
8. *Platycotylus inusitatus*,

- Olliff. *Trans. Ent. Soc.*, (1883). p. 176.
 Olliff. *Trans. Ent. Soc.*, (1883). p. 182.
 Olliff. *Trans. Ent. Soc.*, (1883). p. 178.
 Olliff. *Trans. Ent. Soc.*, (1883). p. 179.
 Olliff. *The Entomologist*, (1883). p. 98.
 Olliff. *Trans. Ent. Soc.*, (1883). p. 174.
 Olliff. *Trans. Ent. Soc.*, (1883). p. 183.
 Olliff. *Trans. Ent. Soc.*, (1883). p. 183.
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 Ceram.
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 Borneo.
 Borneo.

1^b

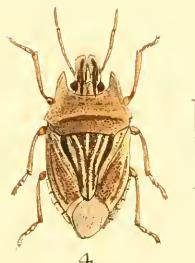
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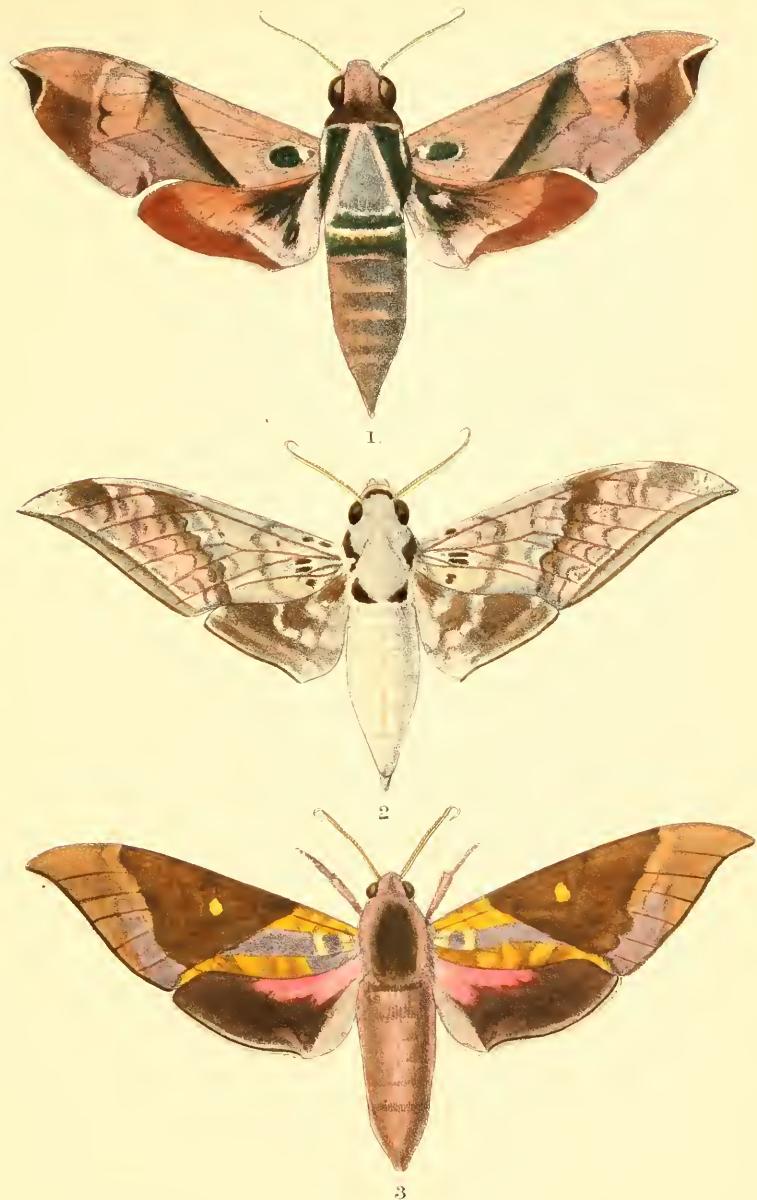


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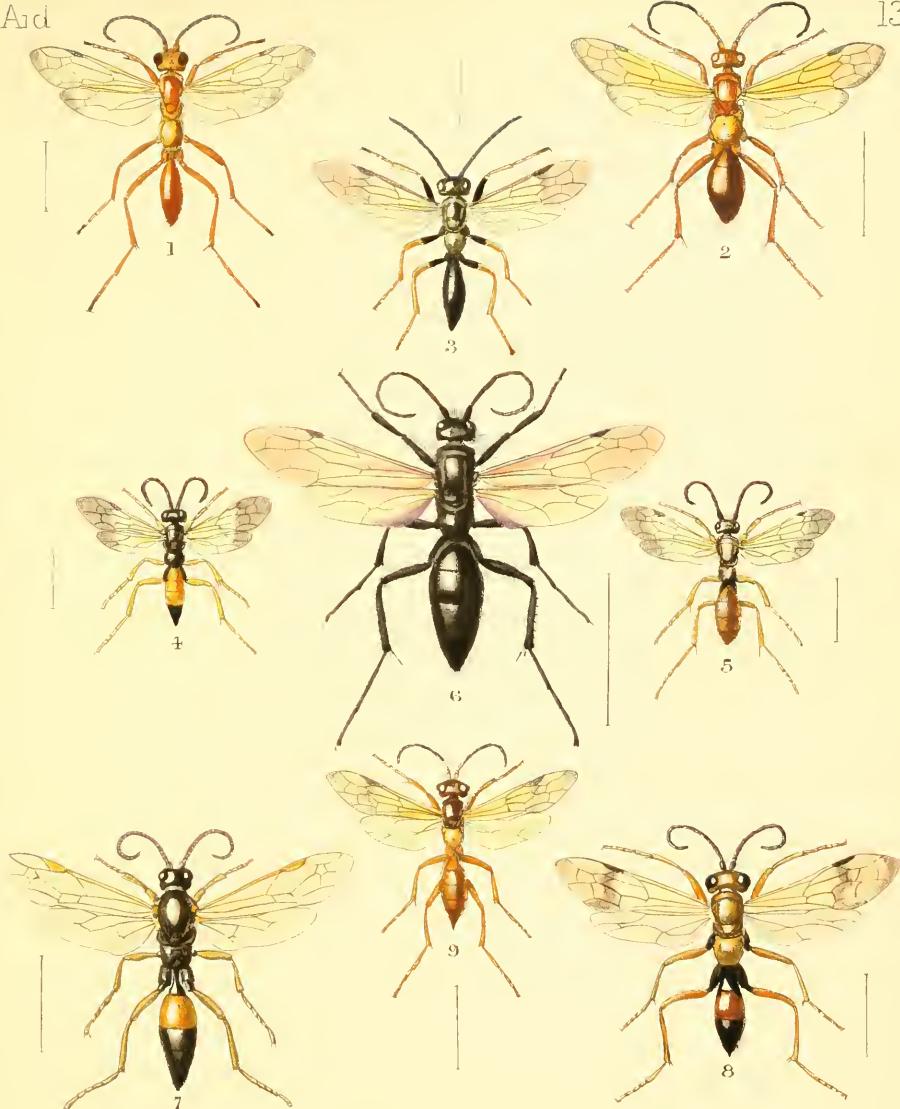
1. *Tesseratoma hornimani*, Distant, Ent. Mo. Mag., XIV. (1877) p. 63. Camaroons.
2. *Neoglypus viridicatus*, Distant, Ann. & Mag. Nat. Hist., VIII. (1881) p. 27. Japan.
3. *Niarus illuminatus*, Distant, Trans. Ent. Soc., (1881) p. 211. Australia.
4. *Cephaloplatus fasciatus*, Distant, Trans. Ent. Soc., (1881) p. 212. Queensland.
5. *Tropicoris japonicus*. Distant, Ent. Mo. Mag., XIX. (1882) p. 76. Japan.



1. *Daphnis torenia*,
2. *Ambulyx argentata*,
3. *Ambulyx Elwesi*,

Druce, Ent. Month. Mag., XIX, (1882), p. 16.
Druce, Ent. Month. Mag., XIX, (1882), p. 17.
Druce, Ent. Month. Mag., XIX, (1882), p. 17.

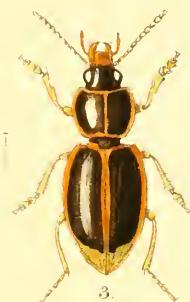
Fiji Is
Coch. China
Darjeeling.



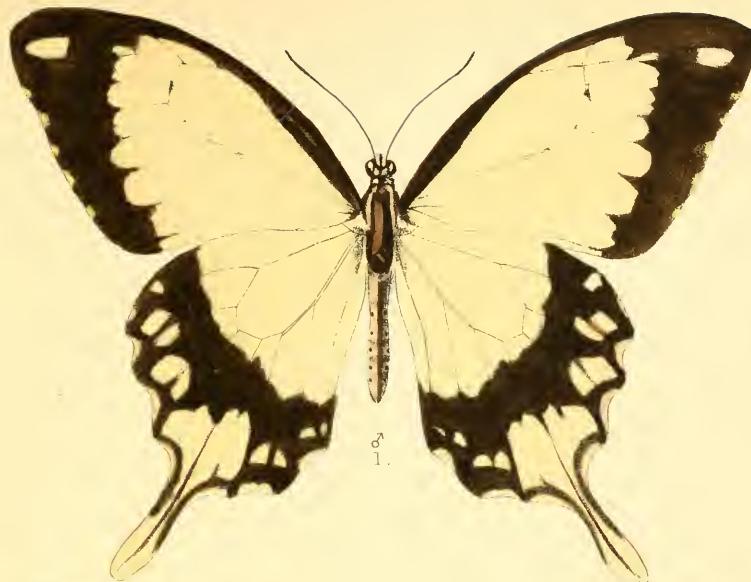
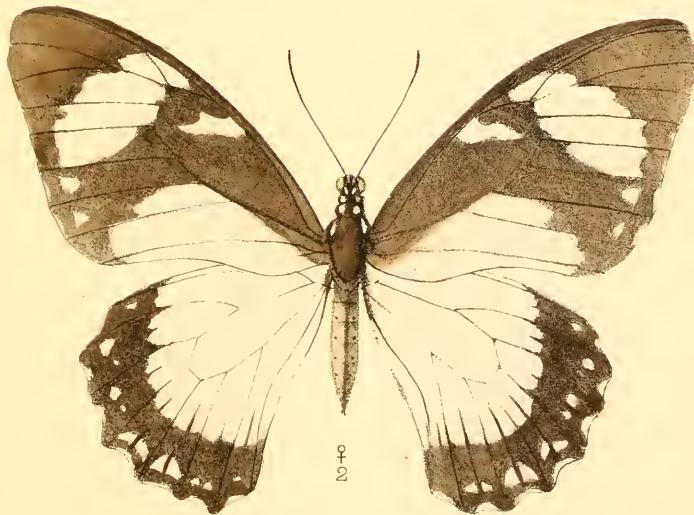
- 1.2. *Priocnemis Wakefieldii*,
 3. *Priocnemis xenos*,
 4.5. *Priocnemis conformis*,
 6. *Priocnemis monachus*
 7. *Priocnemis Pascoei*,
 8. *Priocnemis Huttoni*,
 9. *Priocnemis maculipennis*

- Kirby, *Trans Ent Soc.* (1881) p 39.
 Kirby, *Trans Ent. Soc.* (1883) p 200.
 Smith, *Trans Ent. Soc.* (1876) p 482.
 Smith, *Cat. Hym. Ins., B.M. III.* (1855) p. 164
 Kirby, *Trans Ent. Soc.* (1883) p 200.
 Kirby, *Trans Ent. Soc.* (1883) p 199.
 Smith, *Trans Ent. Soc.* (1876) p 482.

- N. Zealand.
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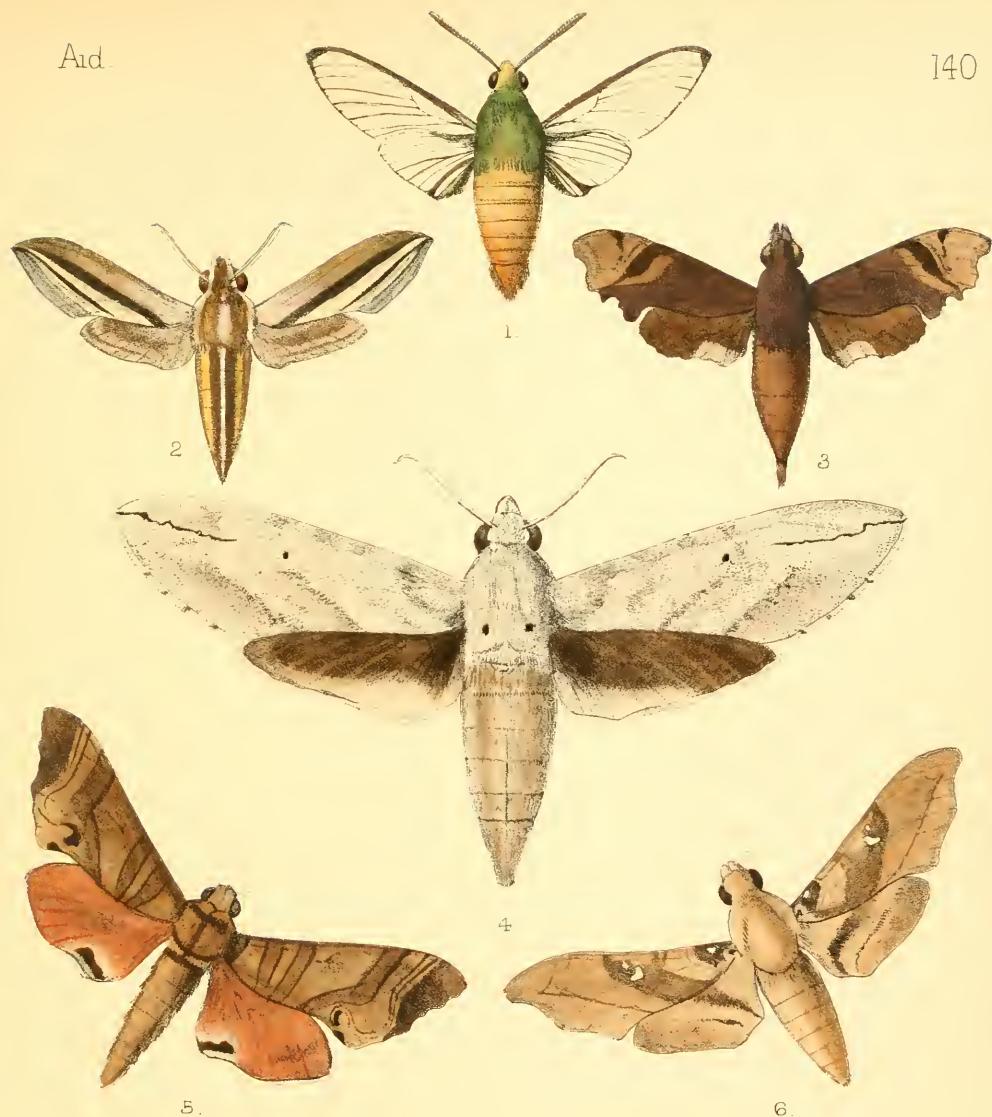


1. *Stephanorhynchus crassus* Broun, Man N. Zeal. Coleopt., (1880) p 464. N. Zealand.
 2. *Pachyura rubicunda*, Broun, Man N. Zeal. Coleopt., (1880) p 469. N. Zealand.
 3. *Lecanomerus fuliginosus*, Broun, Man N. Zeal. Coleopt., (1880) p 48. N. Zealand.
 4. *Novitas migrans*, Broun, Man N. Zeal. Coleopt., (1880) p 528. N. Zealand.
 5. *Peniticus robustus*, Broun, Man N. Zeal. Coleopt., (1880) p 628. N. Zealand.
 6. *Scaphisoma concinna*, Broun, Man N. Zeal. Coleopt., (1880) p 158. N. Zealand.
 7,8. *Exilis spectabilis*, Broun, Man N. Zeal. Coleopt., (1880) p. 558. N. Zealand.

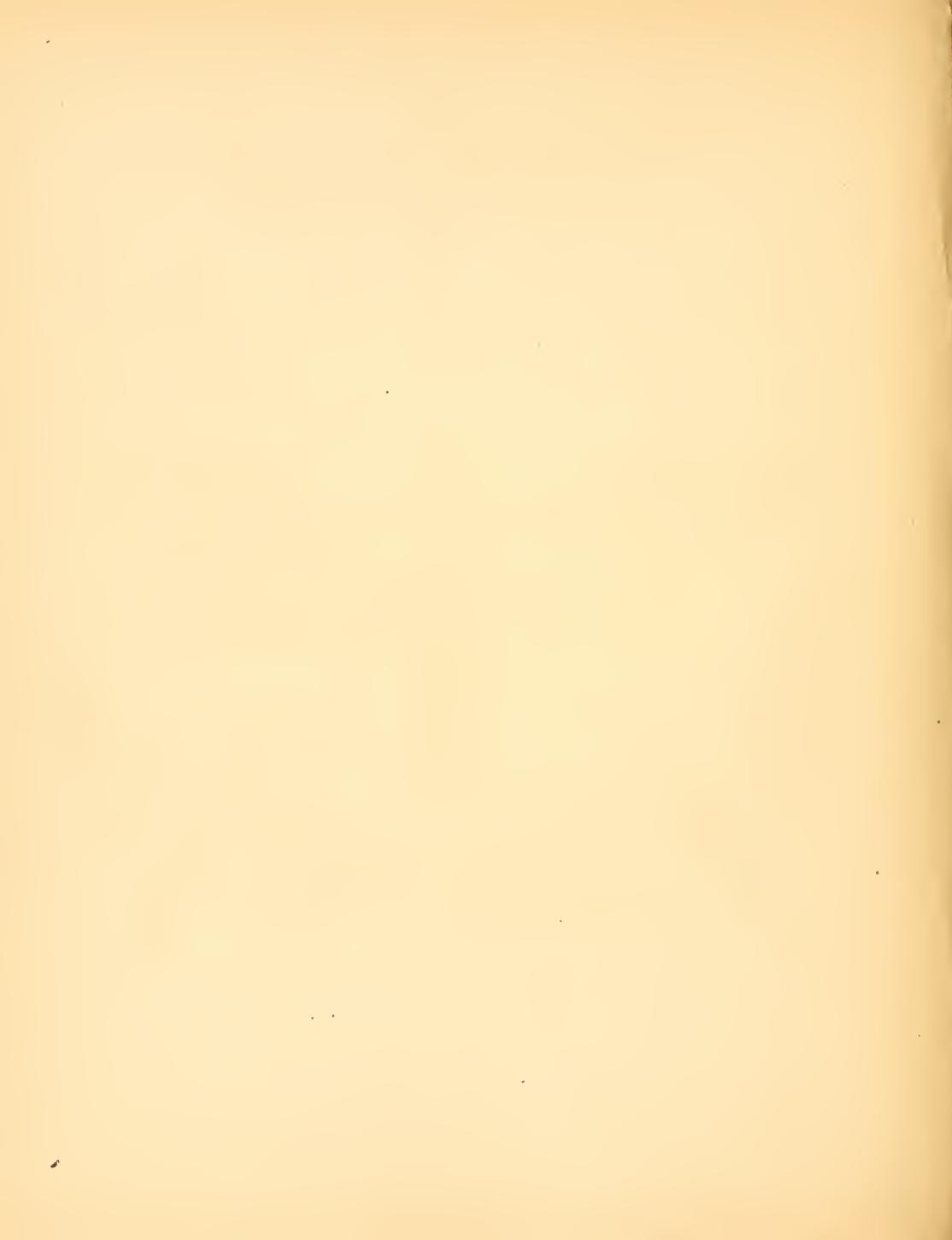
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1.♀
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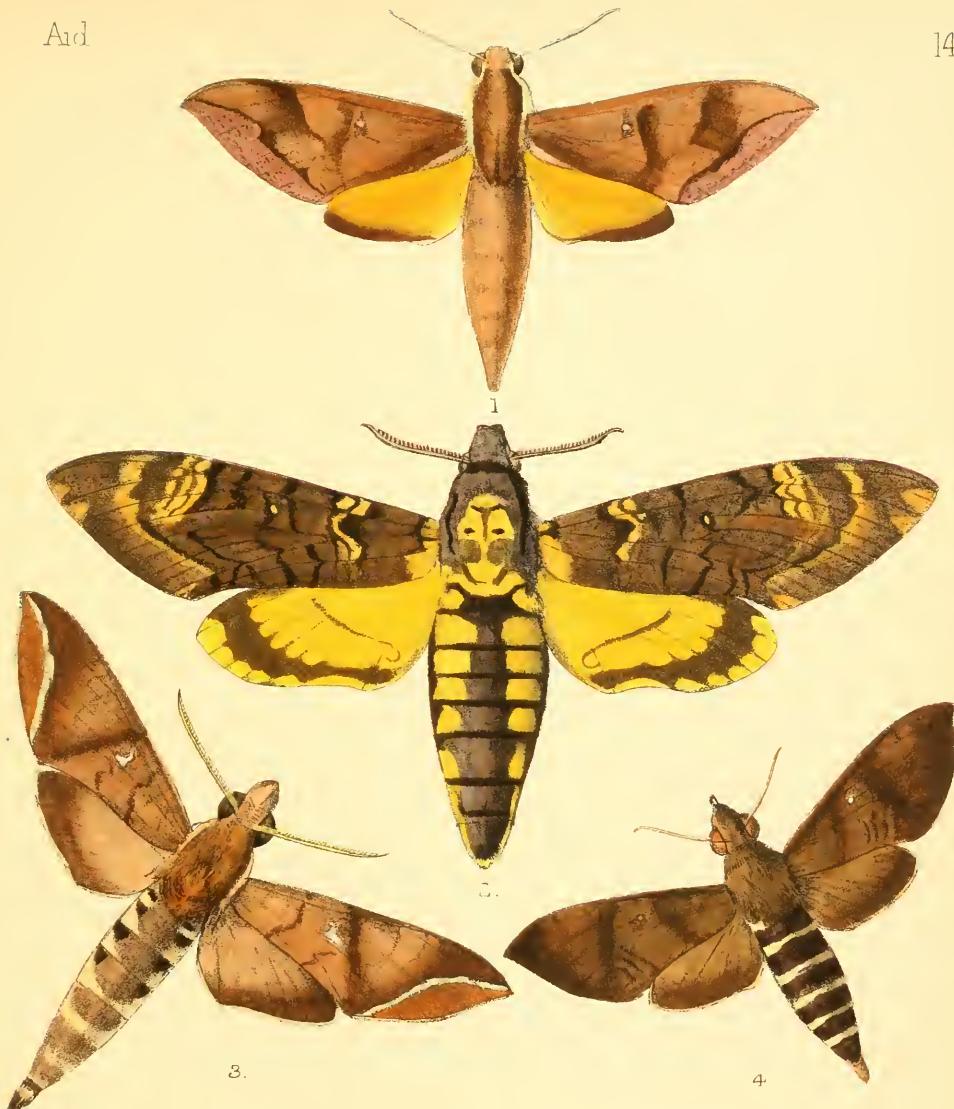
1 2. *Papilio Tibullus*, Kirby, Proc Roy Dublin Soc, II. (1880), p. 339. Zanzibar.
Edwin Wilson del et lith. Mintern Bros. imp.





1. *Macroglossum cynmiris*, Guerin, Iconographie, p 495.
 2. *Chærocampa margarita*, Kirby, Trans. Ent. Soc., (1877), p. 240.
 3. *Enyo excisa*, Walker, List Lep. Het. Brit. Mus. VIII, (1856), p. 119.
 4. *Diludia Bethia*, Kirby, Trans. Ent. Soc., (1877), p. 243.
 5. *Triptogon rectilinea*, Moore, Proc. Zool. Soc., (1879), p. 388.
 6. *Aleuron Butleri*, Kirby, Trans. Ent. Soc., (1877), p. 240.
- Sylhet.
 Queensland.
 Pt Natal.
 Queensland.
 N. India.
 W. Indies.



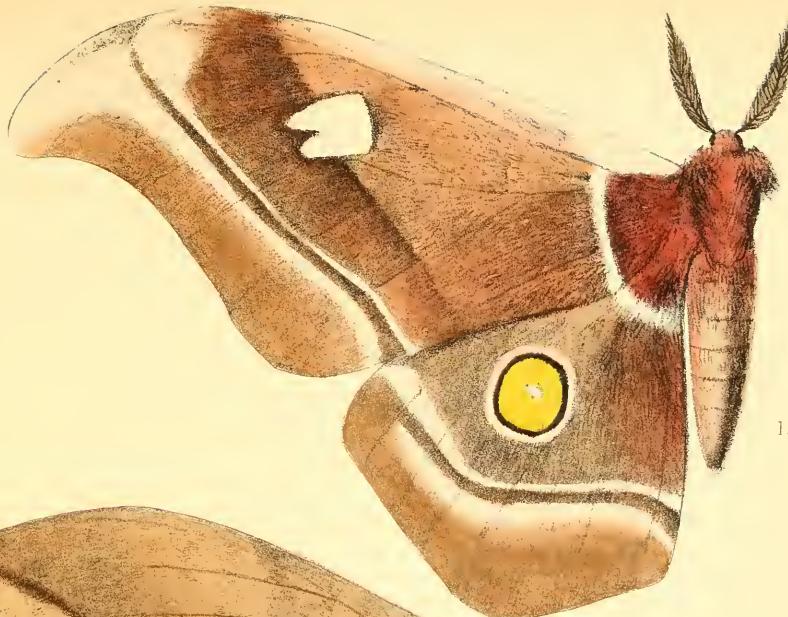


1. *Chærocampa andamanensis*, Kirby, *Trans. Ent. Soc.* (1877), p. 242. Andaman I.
2. *Acherontia Sculda*, Kirby, *Trans. Ent. Soc.* (1877), p. 242. Borneo.
3. *Nephele Charoba*, Kirby, *Trans. Ent. Soc.* (1877), p. 243. Madagascar.
4. *Nephele infernalis*, Kirby, *Trans. Ent. Soc.* (1877), p. 244. Ashantee.



Ad

42.



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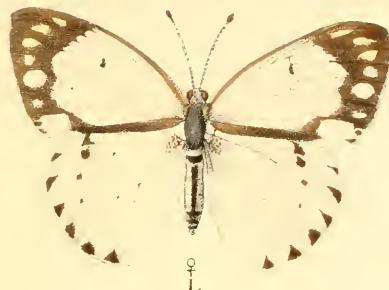


2

1. *Bunaea Aslauga*,
2. *Bunaea Thomsonii*,

Kirby, Trans. Ent. Soc., (1877), p. 18.
Kirby, Trans. Ent. Soc., (1877), p. 19

Madagascar
Camaroons.

♀
1.♂
2.

3.a



3



1a



2a.

1, 2. *Idmais maumuna*, Kirby, Proc. Roy. Dublin Soc. II, (1880), p. 337. Africa
 3. *Idmais eris*, Klug; Kirby, Proc. Roy. Dublin Soc. II, (1880), p. 336. Abyssinia
 Edwin Wilson, del et lith.

Minter Bros. imp.



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2.



3.



4.



5.

1. *Helota lœvigata*,*Oberthür, Coleopt. Novit. I. (1883), p. 59.*

Darjeeling.

2. *Helota pusilla*,*Oberthür, Coleopt. Novit. I. (1883), p. 60.*

Darjeeling.

3. *Lomaptera DuBoulayi*,*Thomson, Bull. Soc. Ent. Fr. (1878), p. CXXXVIII.*

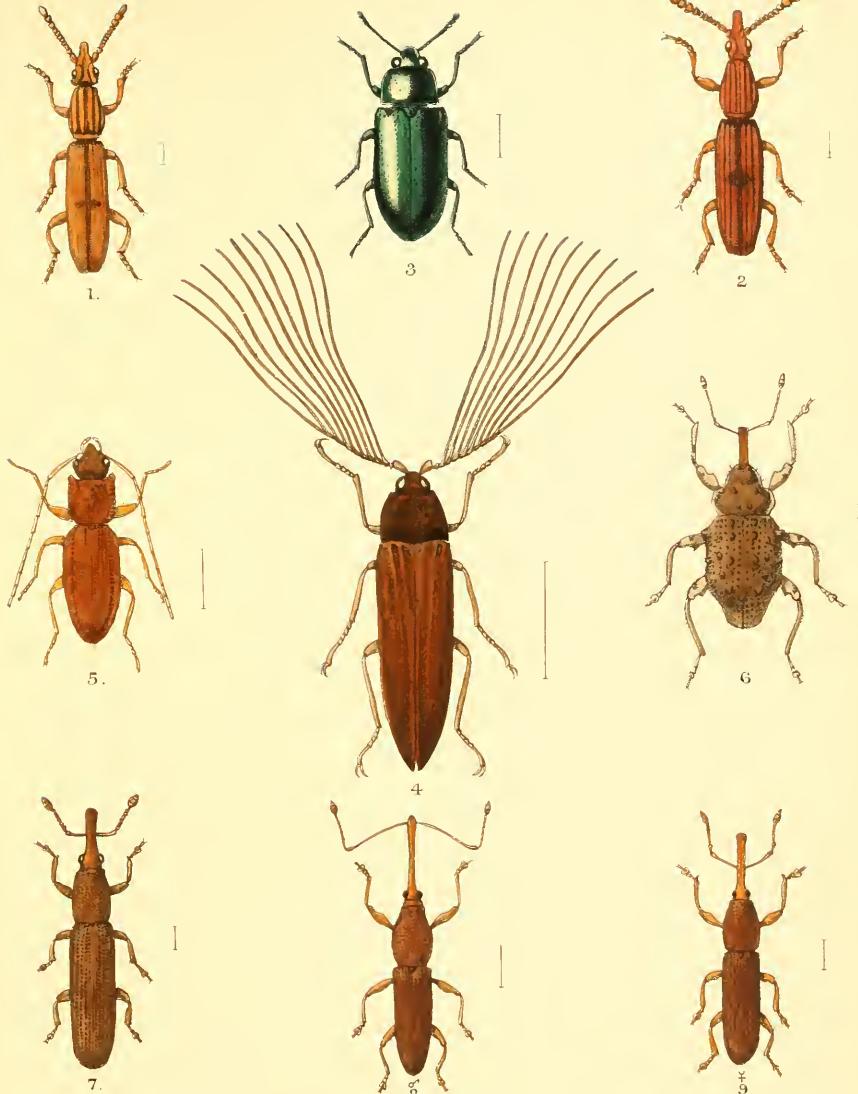
E. Australia.

4. *Rhytiphora caprina*,*Newman, The Entomologist, (1842), p. 362.*

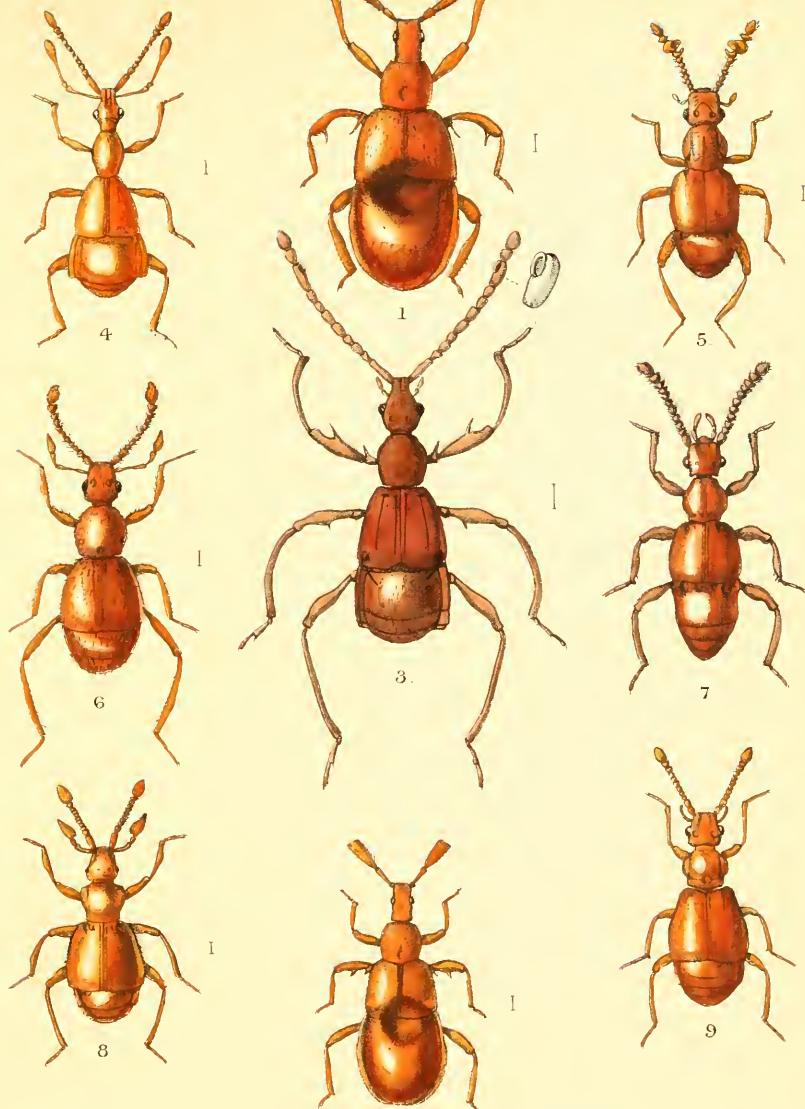
E. Australia.

5. *Penthea pardalis*,*Newman, The Entomologist, (1842), p. 414.*

S. Australia.



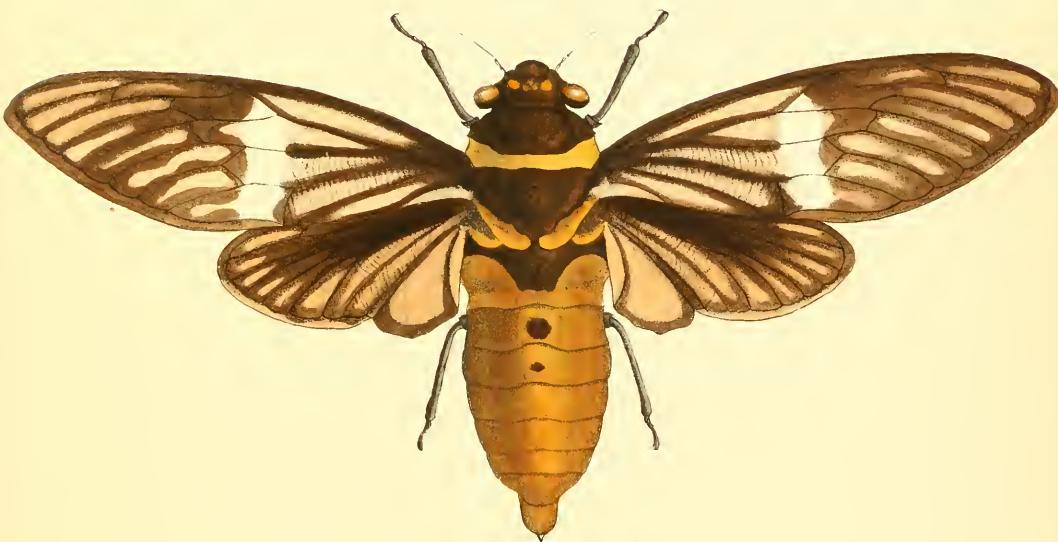
1. *Higinus Poweri*, Lewis, Journ. Linn. Soc. XVII, (1883), p. 299
 2. *Higinus crux*, Olliff, Journ. Linn. Soc. XVII, (1883), p. 300.
 3. *Arthopuss Brouni*, Sharp, Ent. Mo. Mag. XIII, (1876), p. 76.
 4. *Callirhipis longicornis*, Waterhouse, Trans Ent. Soc. (1877), p. 385.
 5. *Brontius pleuralis*, Sharp, Ent. Mo. Mag. XIII, (1877), p. 270.
 6. *Crisius variegatus*, Broun, Man. N. Zeal. Coleopt., (1880), p. 501.
 7. *Agrilochilus prolixus*, Broun, Man. N. Zeal. Coleopt., (1880), p. 521.
 8. 9. *Canthorhynchus bellus*, Broun, Man. N. Zeal. Coleopt., (1880), p. 526
- Penang.
 Andaman Is.
 N Zealand.
 Andaman Is.
 N Zealand.
 N Zealand.
 N Zealand.
 N Zealand.
 N Zealand.



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|------------------------------|--|------------|
| 1. Diartiger spinipes, | Sharp, Trans. Ent. Soc., (1883), p. 331. | Japan |
| 2. Diartiger fossulatus | Sharp, Trans. Ent. Soc., (1883), p. 330 | Japan |
| 3. Lasinus spinosus, | Sharp, Trans. Ent. Soc., (1874), p. 106. | Japan |
| 4. Pselaphus Lewisi, | Sharp, Trans. Ent. Soc., (1883), p. 329. | Japan |
| 5. Batrisus antennatus, | Weise, Deutsche Ent. Zeit., (1877), p. 97. | Japan |
| 6. Triomicrus simplex, | Sharp, Trans. Ent. Soc., (1883), p. 326 | Japan |
| 7. Batrisus pilosus, | Sharp, Trans. Ent. Soc., (1883), p. 310. | Japan |
| 8. Bythinus glabratus, | Rye, Ent. Mo. Mag., VII, (1870), p. 33. | England |
| 9. Euplectus trisulcicollis, | Broun, Man. N. Zeal. Coleopt., (1880), p. 140. | N. Zealand |



1.



2

1 *Tosena splendida*,
2 *Tosena albata*,
M. Norman-Fisher, del et lith.

Distant, Ent. Mo. Mag. XV, (1878), p 76
Distant, Trans Ent. Soc., (1878), p.175

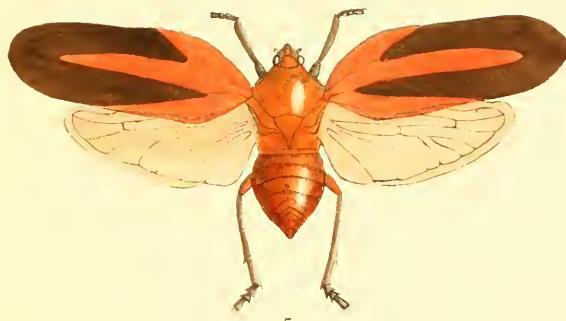
Assam.
N. W. Himalaya
Mintern Bros. imp.



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2.



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3.



4.

1. *Tomaspis binotata*, *Distant, Trans Ent Soc., (1878), p 177.* W Africa
 2. *Tomaspis conspicua*, *Distant, Trans Ent Soc., (1878), p 176.* Lake Nyassa
 3. *Tomaspis modesta*, *Distant, Trans Ent Soc., (1878), p 176.* W Africa.
 4. *Tomaspis Monteironis*, *Distant, Trans Ent Soc., (1878), p 176.* Delagoa Bay.
 5. *Sphenorhina grandis*, *Distant, Trans Ent Soc., (1878), p 179.* New Grenada

A-D



1.



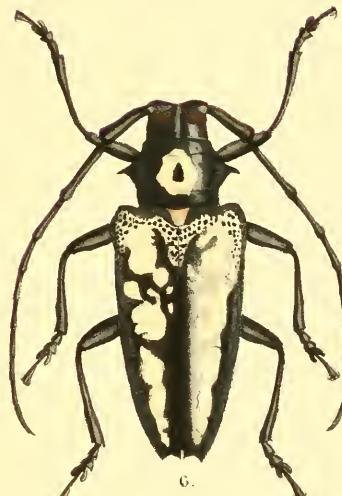
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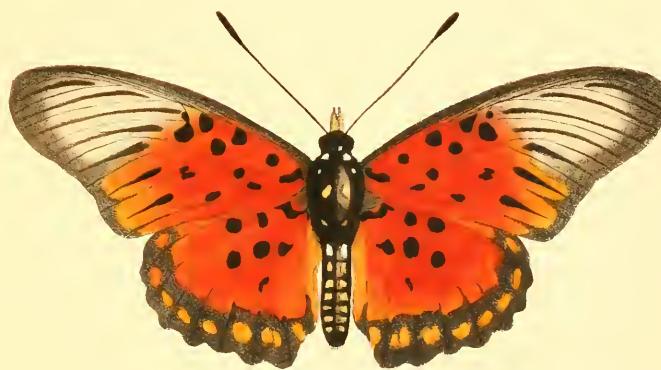
1. Chærodes lœtus, Broun, Ann. New Zeal. Coleopt., I, (1880), p. 358.
 2. Ulonotus aberrans, Broun, Ann. New Zeal. Coleopt., I, (1880), p. 189.
 3. Calliphenges cuprascens, Waterhouse, Ann. & Mag. Nat. Hist. V, (1880), p. 296.
 4. Clytus podagricus, White, Cat. Coleopt. in Brit. Mus. VIII, (1855), p. 254.
 5. Clytus protogenes, Newman, The Entomologist, I, (1842), p. 246.
 6. Megaceriodes Forbesii, Waterhouse, Ann. & Mag. Nat. Hist. VII, (1881), p. 408.
 7. Anchomenus Batesi, Broun, Ann. New Zeal. Coleopt., I, (1880), p. 21.
 8. Anchomenus parabilis, Broun, Ann. New Zeal. Coleopt., I, (1880), p. 20.
 9. Calathus? deformipes, Broun, Ann. New Zeal. Coleopt., I, (1880), p. 19.
- New Zealand
New Zealand
Ecuador
St Domingo.
Philippine Is.
Sumatra.
New Zealand.
New Zealand.
New Zealand.



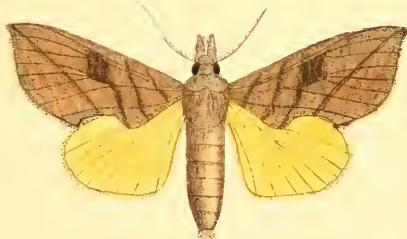
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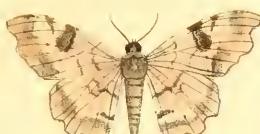
4.



5.

1. *Pseudacræa Colvillei*, Butler; *Ann. & Mag. Nat. Hist.*, XIV, (1884), p. 123.
2. *Rusicada diversalis*, Moore, *Proc. Zool. Soc.*, (1883), p. 21.
3. *Arthisma scissuralis*, Moore, *Proc. Zool. Soc.*, (1883), p. 20.
4. *Calpe bicolor*, Moore, ♂, *Proc. Zool. Soc.*, (1883), p. 19.
5. *Cleosiris fasciata*, Moore, *Proc. Zool. Soc.*, (1883), p. 15.
M. Norman Fisher, del et lith.

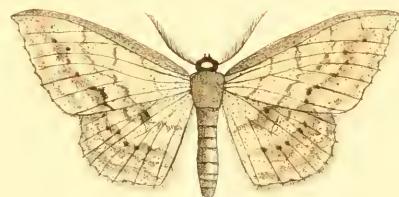
Natal.
Singapore.
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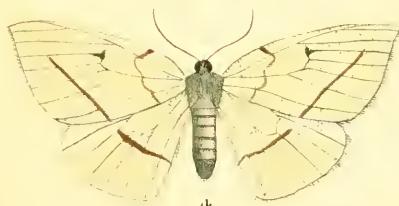
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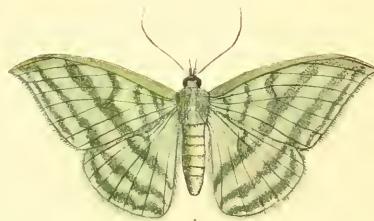
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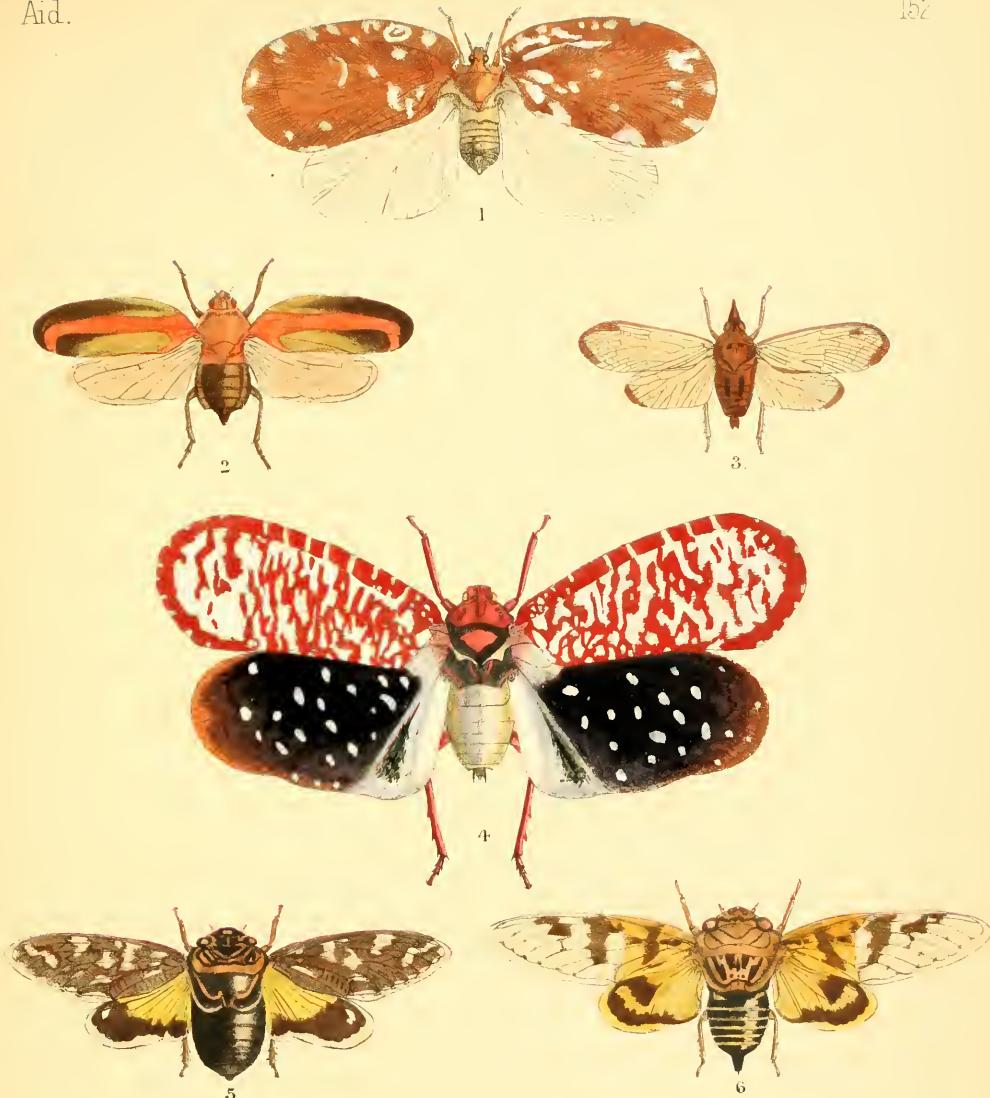


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1. *Lagyra megaspila*, Moore, Proc. Zool. Soc., (1867), p. 616. Bengal.
2. *Anisodes semilaria*, Moore; Proc. Zool. Soc., (1867), p. 641. Bengal.
3. *Anisodes pallivittata*, Moore, Proc. Zool. Soc., (1867), p. 641. Bengal.
4. *Geometra dentisignata*, Moore, Proc. Zool. Soc., (1867), p. 636. Darjeeling.
5. *Geometra vittata*, Moore, Proc. Zool. Soc. (1867), p. 636. Bengal.
6. *Cimicodes cruentaria*, Moore, Proc. Zool. Soc., (1867), p. 616. Bengal.



1. *Phromnia rubicunda*, Distant, Ann. & Mag. Nat. Hist., XI, (1883), p. 171. Tenasserim
2. *Sphenorhina bogatana*, Distant, Trans. Ent. Soc., (1878), p. 179. Bogota.
3. *Clonia lurida*, Walker, List, Hom. Ins. Brit. Mus. Suppl., (1858), p. 60. Ceram.
4. *Aphæna chionæma*, Butler, Ann. & Mag. Nat. Hist., IX, (1832), p. 127. Sumatra
5. *Platyleura signifera*, Walker, List, Hom. Ins. Brit. Mus., I, (1850), p. 7. S. Africa
6. *Platyleura fulvigera*, Walker, List, Hom. Ins. Brit. Mus., I, (1850), p. 9. Philippine Is.



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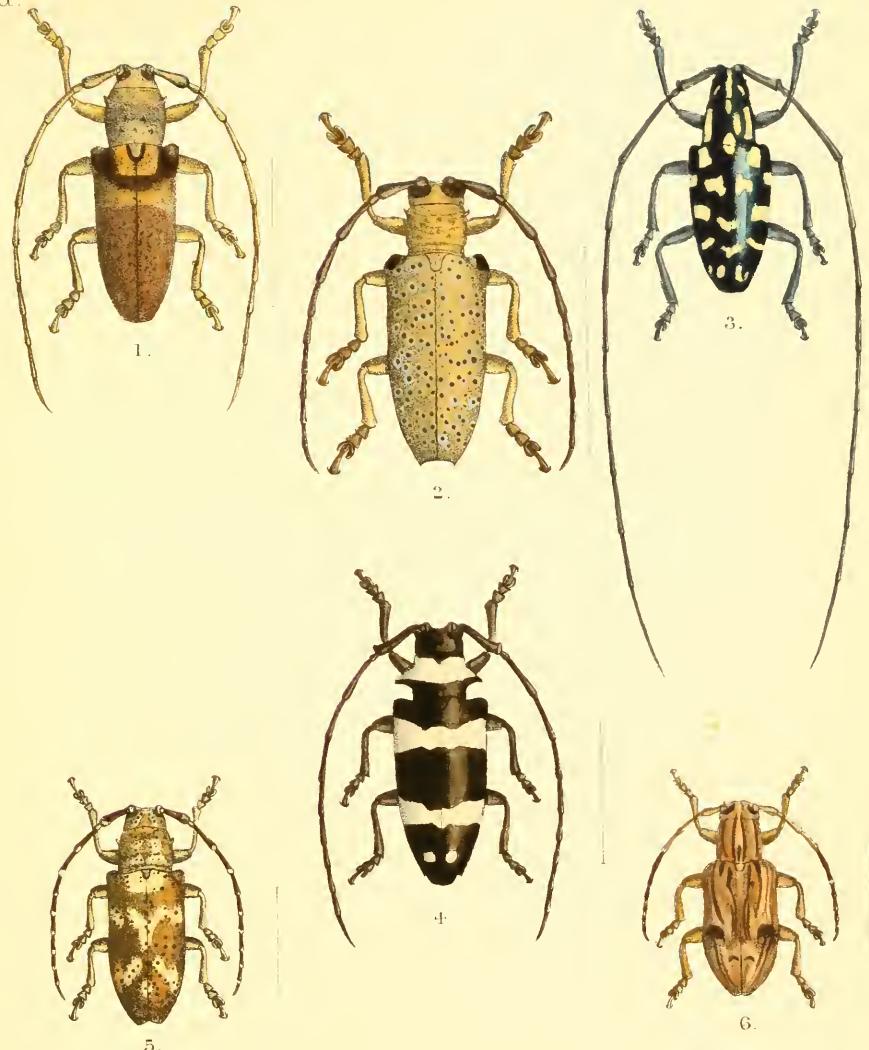


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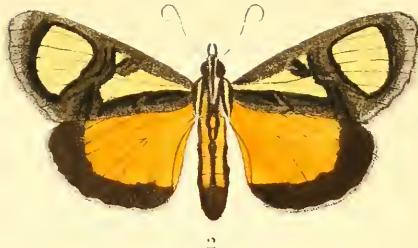


8.

1. *Adoxia vulgaris*, Broun, *Man. N. Zeal. Coleopt.*, (1880), p. 632.
 2. *Paraphylax squamiger*, Broun, *Man. N. Zeal. Coleopt.*, (1880), p. 355.
 3. *Helota africana*, Olliff, *Ann. & Mag. Nat. Hist. XIII.*, (1854), p. 479.
 4. *Helota semifulva*, Ritsema, *Notes Leyden. Mus. III.*, (1881), p. 80.
 5. *Heterorhina malayana*, Wallace, *Trans. Ent. Soc. IV.*, (1868), p. 525.
 6. *Chrysodema Lambii*, Saunders, *Trans. Ent. Soc. V.*, (1867), p. 510.
 7. *Gonophora Wallacei*, Baly, *Cat. Hisp. Brit. Mus.*, (1858), p. 109.
 8. *Coroebus Pascoei*, Saunders, *Trans. Ent. Soc. V.*, (1867), p. 518.
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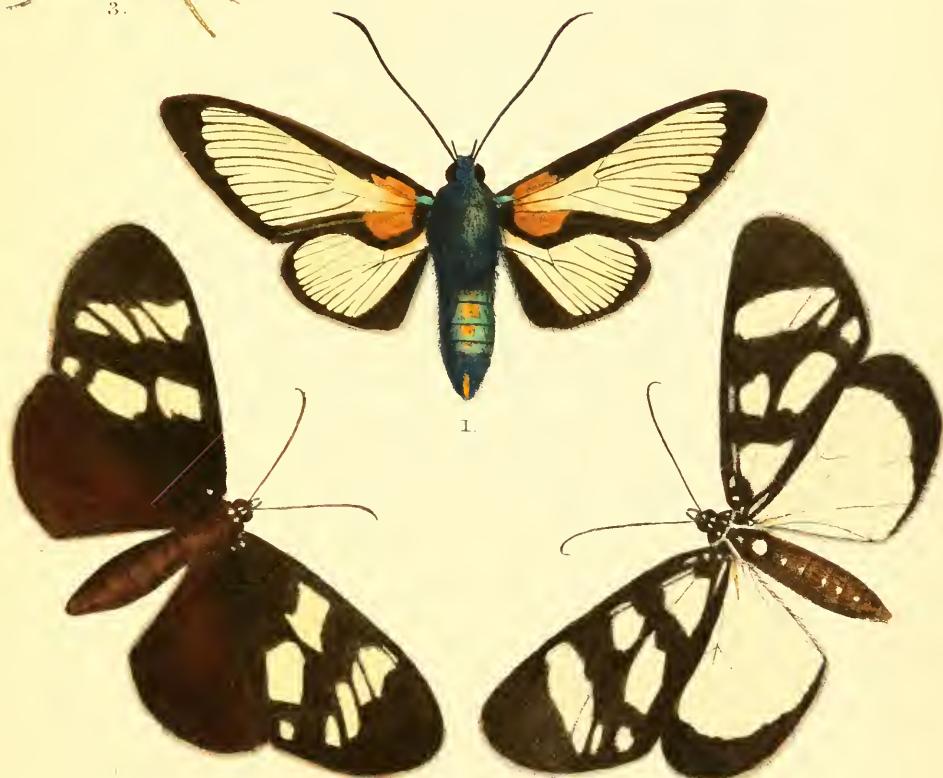


1. *Sympyletes torquatus*, Pascoe, Ann. & Mag. Nat. Hist., XV, (1875), p. 71. Queensland.
2. *Rhytiphora argus*, Pascoe, Journ. Linn. Soc. Lond., IX, (1867), p. 302. Australia.
3. *Agnia eximia*, Pascoe, Ann. & Mag. Nat. Hist., V, (1860), p. 120. Molucca.
4. *Cereopsius tricinctus*, Pascoe, Trans. Ent. Soc., 3, III, (1866), p. 239. Batchian.
5. *Penthea scenica*, Pascoe, Trans. Ent. Soc., 3, I, (1863), p. 540. Australia.
6. *Xynenon larvatus*, Pascoe, Ann. & Mag. Nat. Hist., II, (1878), p. 376. Andaman Is.



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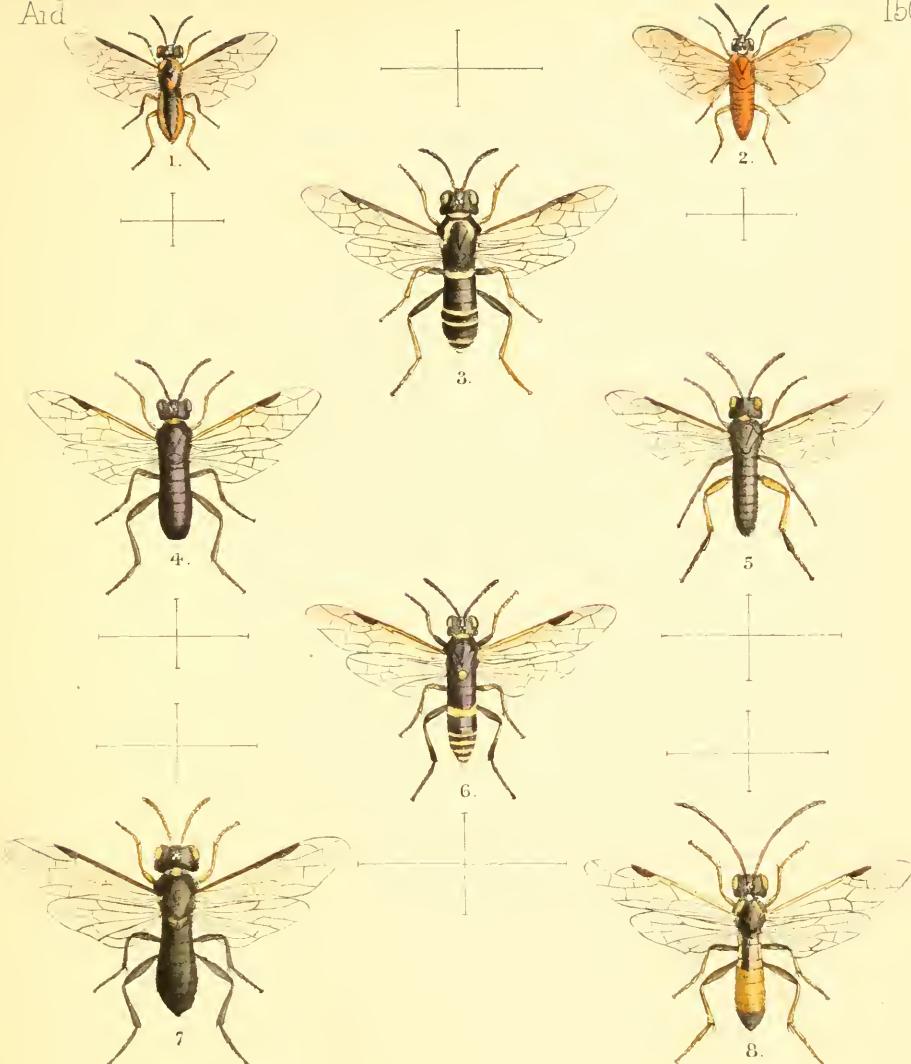


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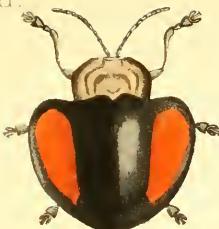
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1. *Coccyta veitchii*, Butler, *Trans. Ent. Soc.*, (1884), p. 352. Batchuan.
 2. *Ægocera tricolor*, Druce, *Ent. Mo. Mag.*, XX. (1883), p. 155. E. Africa.
 - 3, 4. *Emesia grandis*, Druce, *Ent. Mo. Mag.*, XVI. (1880), p. 268. W. Africa.
 5. *Eusemia Hornimani*. Druce, *Ent. Mo. Mag.*, XVI. (1880), p. 269. W. Africa.
- M. Horner-Fisher del et lith
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1. *Athalia maritima*, Kirby, Ent. Month. Mag., XX, (1884), p.215. Greece.
2. *Hylotoma fumipennis*, Smith, 2nd Yarkand Miss. Hymen., (1878), p.18. Punjab.
3. *Allantus similimus*, Smith, 2nd Yarkand Miss. Hymen., (1878), p.19. Punjab.
4. *Allantus terminalis*, Smith, 2nd Yarkand Miss. Hymen., (1878), p. 19. Kashmir.
5. *Allantus providus*, Smith, 2nd Yarkand Miss. Hymen., (1878), p. 18. Punjab.
6. *Allantus multicolor*, Smith, 2nd Yarkand Miss. Hymen., (1878), p. 18. Punjab.
7. *Macrophya opposita*, Smith, 2nd Yarkand Miss. Hymen., (1878), p. 19. Kashmir.
8. *Tenthredo simulata*, Smith, 2nd Yarkand Miss. Hymen., (1878), p. 19. Kashmir.



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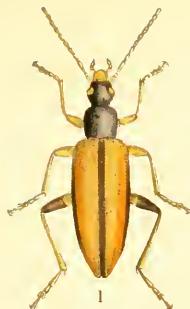


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8.

- 1 *Mesomphalia latissima*, Baly, *Trans. Ent. Soc.*, (1872), p. 68. Ecuador.
- 2 *Ites plagiatus*, Waterhouse, *Ann. & Mag. Nat. Hist.*, V, (1880), p. 298. Ecuador.
- 3 *Tmesisternus lotor*, Pascoe, *Proc. Ent. Soc. Lond.*, (1859), p. 84. Batchian.
- 4 *Rhytiphora Dallasi*, Pascoe, *Ann. & Mag. Nat. Hist.* IV, (1869), p. 207. W. Australia.
- 5 *Dioristus albilateralis*, Waterhouse, *Ann. & Mag. Nat. Hist.*, X, (1882), p. 47. Madagascar.
- 6 *Lysizone alternata*, Pascoe, *Journ. Linn. Soc. Lond.*, X, (1870), p. 486. Nicols Bay.
- 7 *Lipothyreia chloris*, Pascoe, *Ann. & Mag. Nat. Hist.*, IX, (1882), p. 375. E. Australia.
- 8 *Amphialus turgidus*, Pascoe, *Ann. & Mag. Nat. Hist.* XI, (1883), p. 127. Ceylon.

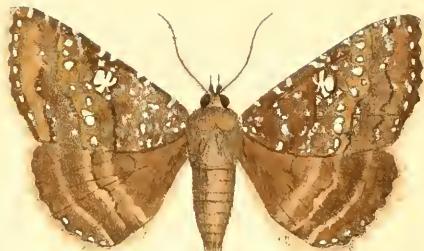


1. *Chromomæa picta*, Pascoe, Journ. of Ent., II, (1866), p. 491. Queensland.
2. *Immedia occulta*, Pascoe, Ann. & Mag. Nat. Hist., IX, (1882), p. 33. Bahia.
3. *Diopethes arachnoides*, Pascoe, Ann. & Mag. Nat. Hist., IX, (1882), p. 33. Bahia.
4. *Phymæus pustulosus*, Pascoe, Ann. & Mag. Nat. Hist., XI, (1883), p. 440. Ceylon.
5. *Enomia femorata*, Pascoe, Ann. & Mag. Nat. Hist., XI, (1883), p. 441. Para.
6. *Gnesis helopiooides*, Pascoe, Journ. of Ent., II, (1865), p. 478. Mantchuria.
7. *Calydonis refulgens*, Pascoe, Ann. & Mag. Nat. Hist., IX, (1882), p. 51. Para.
8. *Alymon prolatus*, Pascoe, Journ. of Ent., II, (1865), p. 484. Natal.
9. *Diestica viridipennis*, Pascoe, Proc. Ent. Soc. Lond., (1868), p. 12. Amazons.





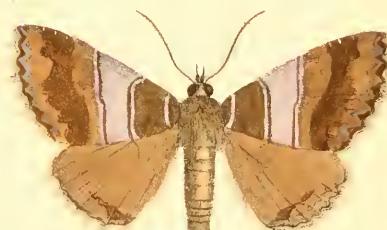
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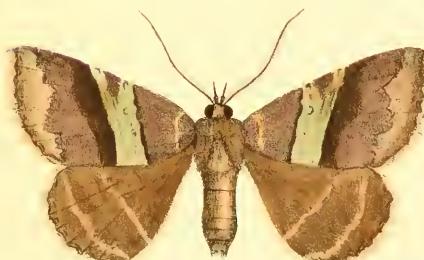
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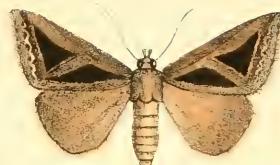


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1. *Synna complicata*, Butler. Ann. & Mag. Nat. Hist., V. (1880), p. 389. Madagascar.
 2. *Synna constellata*, Moore, Proc. Zool. Soc. Lond., (1883), p. 24. N.W. India.
 3. *Synna brunnea*, Moore, Descr. Lep. Coll. Atkinson, (1882), p. 167. Darjeeling.
 4. *Synna cyanivitta*, Moore, Proc. Zool. Soc. Lond., (1867), p. 70. Bengal.
 5. *Synna Kirbyi*, Butler, Trans. Ent. Soc., (1881), p. 209. Darjeeling.
 6. *Synna prunosa*, ♂, Moore, Proc. Zool. Soc. Lond., (1883), p. 25. Darjeeling.
- M. Norman Fisher del et lith.



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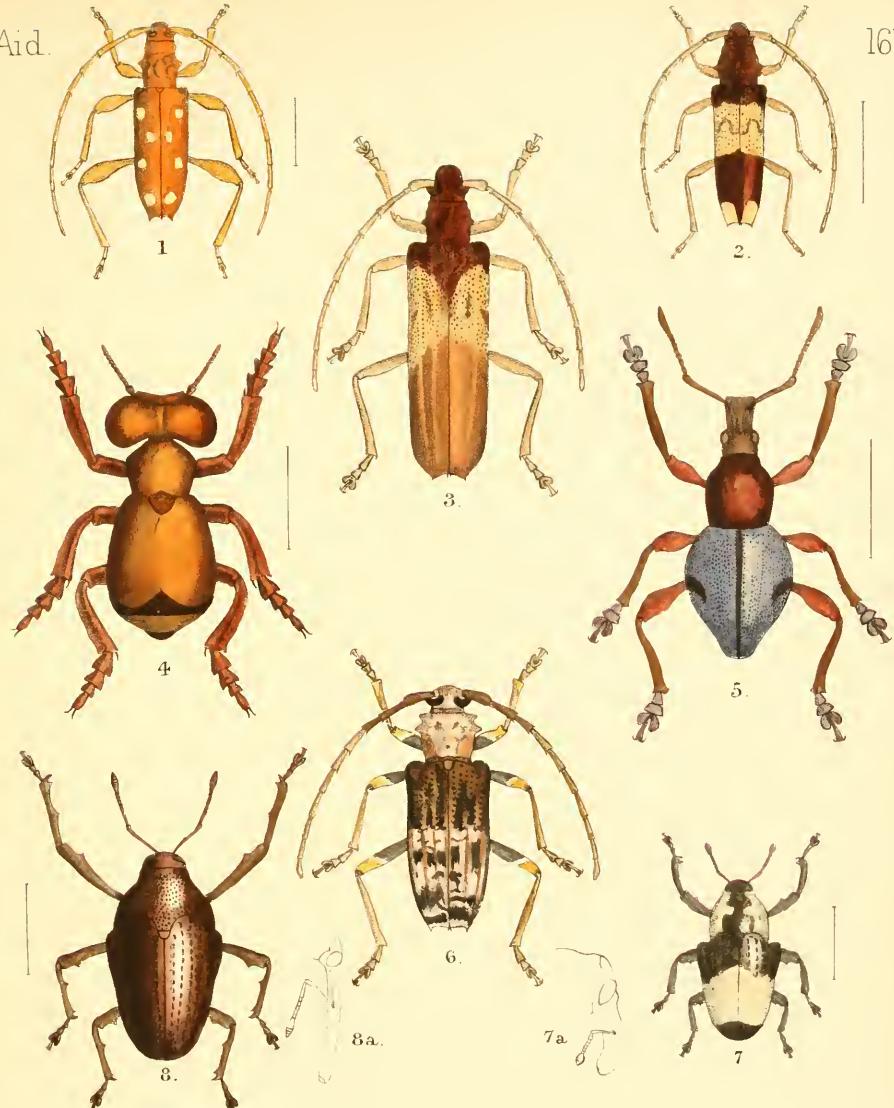


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1. *Toxocampa cucullata*, Moore, Descr. of Lep. in Coll. Atkinson, II (1882), p. 159. N.W. Himalayas.
 2. *Chalciope disjuncta*, Moore, Descr. of Lep. in Coll. Atkinson, III (1882), p. 171. Bengal.
 3. *Callyna semivitta*, Moore, Descr. of Lep. in Coll. Atkinson, II (1882), p. 161. Darjeeling.
 4. *Sypna renisigna*, ♂, Moore, Proc. Zool. Soc. Lond., (1883), p. 25. Khasia Hills.
 5. *Daddala quadrisignata*, Walker, Cat. Lep. Het. Brit. Mus., XXXIII, (1865), p. 974. India.

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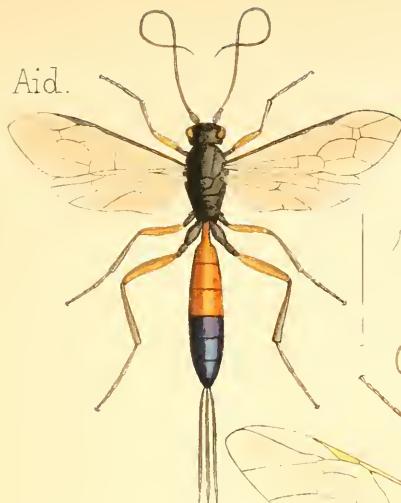
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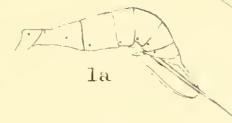
1. *Thoris eburifera*, Pascoe, Ann. & Mag. Nat. Hist., XIX, (1867), p. 317. E. Australia.
2. *Phoracantha hospita*, Pascoe, Journ. of Ent., II, (1864), p. 232. Queensland.
3. *Tryphocaria Mastersii*, Pascoe, Ann. & Mag. Nat. Hist., XV, (1875), p. 61. Melbourne.
4. *Meloëtyphlus fuscus*, Waterh., Ent. Mo. Mag., IX, (1872), p. 32. E. Peru.
5. *Siteutes cæruleatus*, Pascoe, Cistula Ent., II, (1881), p. 594. New Guinea.
6. *Demelius semirugosus*, Waterh., Ent. Mo. Mag., XI, (1874), p. 127. Queensland.
7. *Alcides trifidus*, Pascoe, Journ. Linn. Soc. Lond., X, (1870), p. 460. Cambodia.
8. *Alcides crassus*, Pascoe, Ann. & Mag. Nat. Hist., X, (1882), p. 450. Andaman Is.

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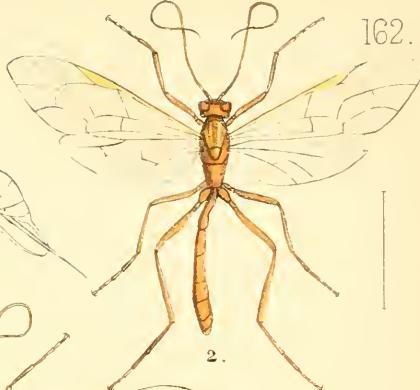
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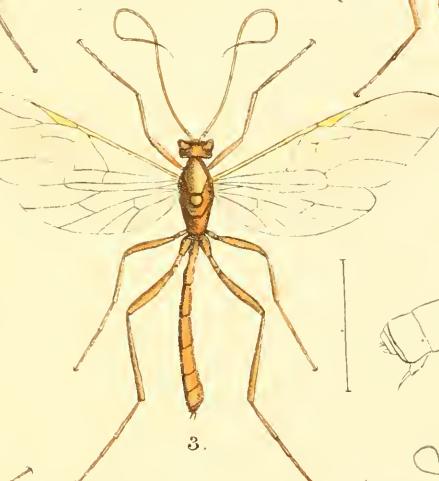
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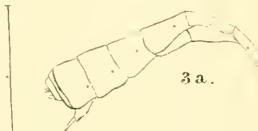
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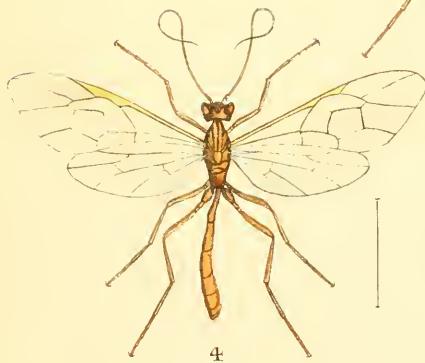
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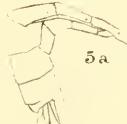
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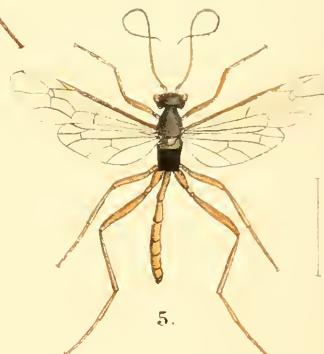
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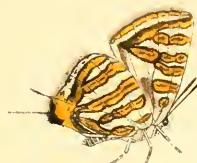
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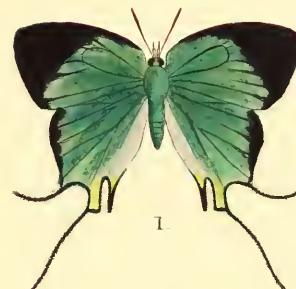
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1. *Cryptus insidiator*, Smith, 2nd Yarkand Mission; Hymen., (1878), p. 21. Kashmir
2. *Paniscus quadrilineatus*, Smith, 2nd Yarkand Mission; Hymen., (1878), p. 21. Yarkand
3. *Ophion dentatus*, Smith, 2nd Yarkand Mission; Hymen., (1878), p. 22. Kashmir
4. *Ophion albopictus*, Smith, 2nd Yarkand Mission; Hymen., (1878), p. 22. Yarkand
5. *Campoplex longipes*, Smith, 2nd Yarkand Mission; Hymen., (1878), p. 21. Kashmir





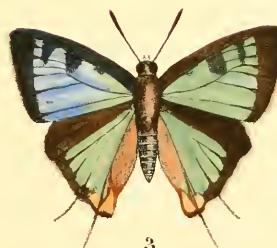
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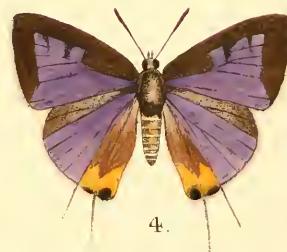
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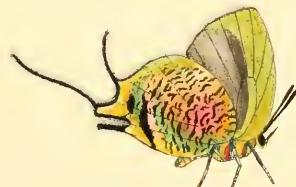
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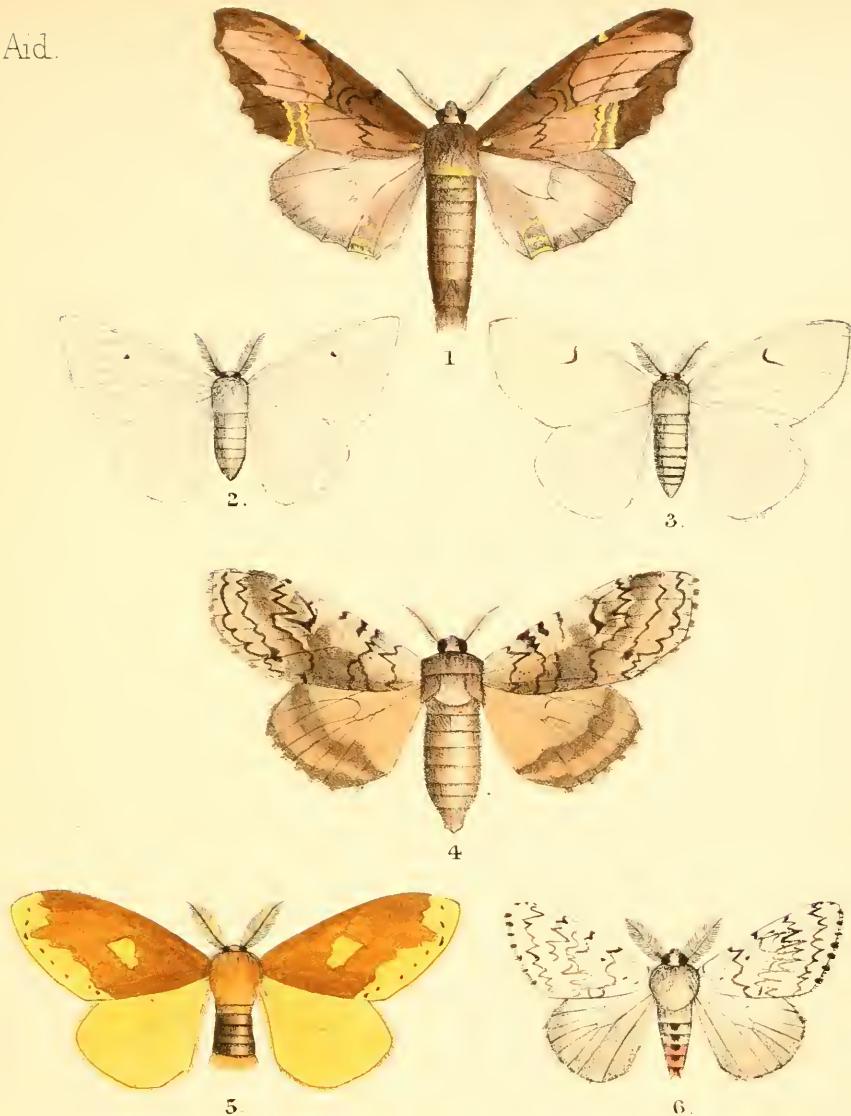


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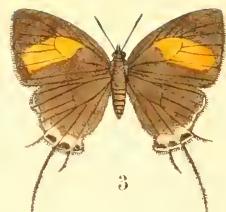
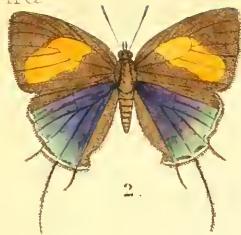


1 a..

1. Theritas Oakesii, Butler; Ann. & Mag. Nat. Hist., XIV, (1884), p.267. Colombia.
2. Aphnaeus tigrinus, Moore, Journ. Asiatic Soc. Beng., LIII, (1884), p.25. Bengal
3. Aphnaeus orcas, Drury, Illustrations, III, (1782), p. 46. W. Africa
4. Aphnaeus himalayana, Moore, Journ. Asiatic Soc. Beng., LIII, (1884), p.26. Nepal.



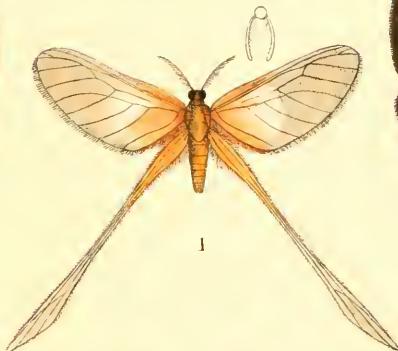
1. *Zaranga pannosa*, Moore, *Trans. Ent. Soc. Lond.*, (1884), p. 357. Umballa.
 2. *Redoa cygna*, ♀, Moore, *Proc. Zool. Soc. Lond.*, (1879), p. 401. Bengal.
 3. *Ocinara comma*, Hutton, *Trans. Ent. Soc. Lond.*, (1865), p. 330. Darjiling.
 4. *Dasychira strigata*, ♀, Moore, *Desc. Lepid. in Coll. Atkinson*, I (1879), p. 58. Simla.
 5. *Chærotrochia marginata*, ♀, Moore, *Desc. Lepid. in Coll. Atkinson*, II (1879), p. 49. Darjiling.
 6. *Lymantria similis*, ♂, Moore, *Proc. Zool. Soc. Lond.*, (1879), p. 402. Calcutta.



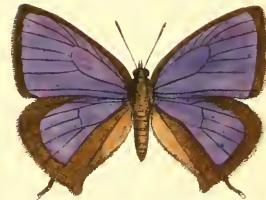
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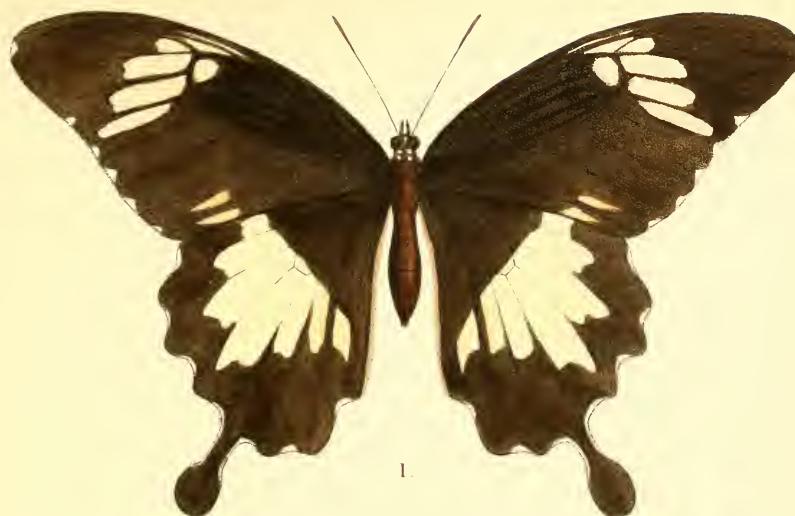


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5a.

- 1 *Pedoptila nemopterides*, Bull., Ann. & Mag. Nat. Hist. XV, (1885), p. 341. Cape Coast.
 2, 3 *Drupadia lisias*, Fabricius, Mantissa Ins. II, (1787), v. 65. Pulo Condor.
 4 *Darasans newara*, Jivre, Journ. Asiat. Soc. Beng., LIII, (1884), v. 42. Nepal
 5 *Sataura canaraica*, Moore, Journ. Asiat. Soc. Beng., LIII, (1884), p. 29. S. India
 6 *Lamprodes Goodeneyi*, Butler, Proc. Zool. Soc. Lond., (1876), p. 252. New Hebrides

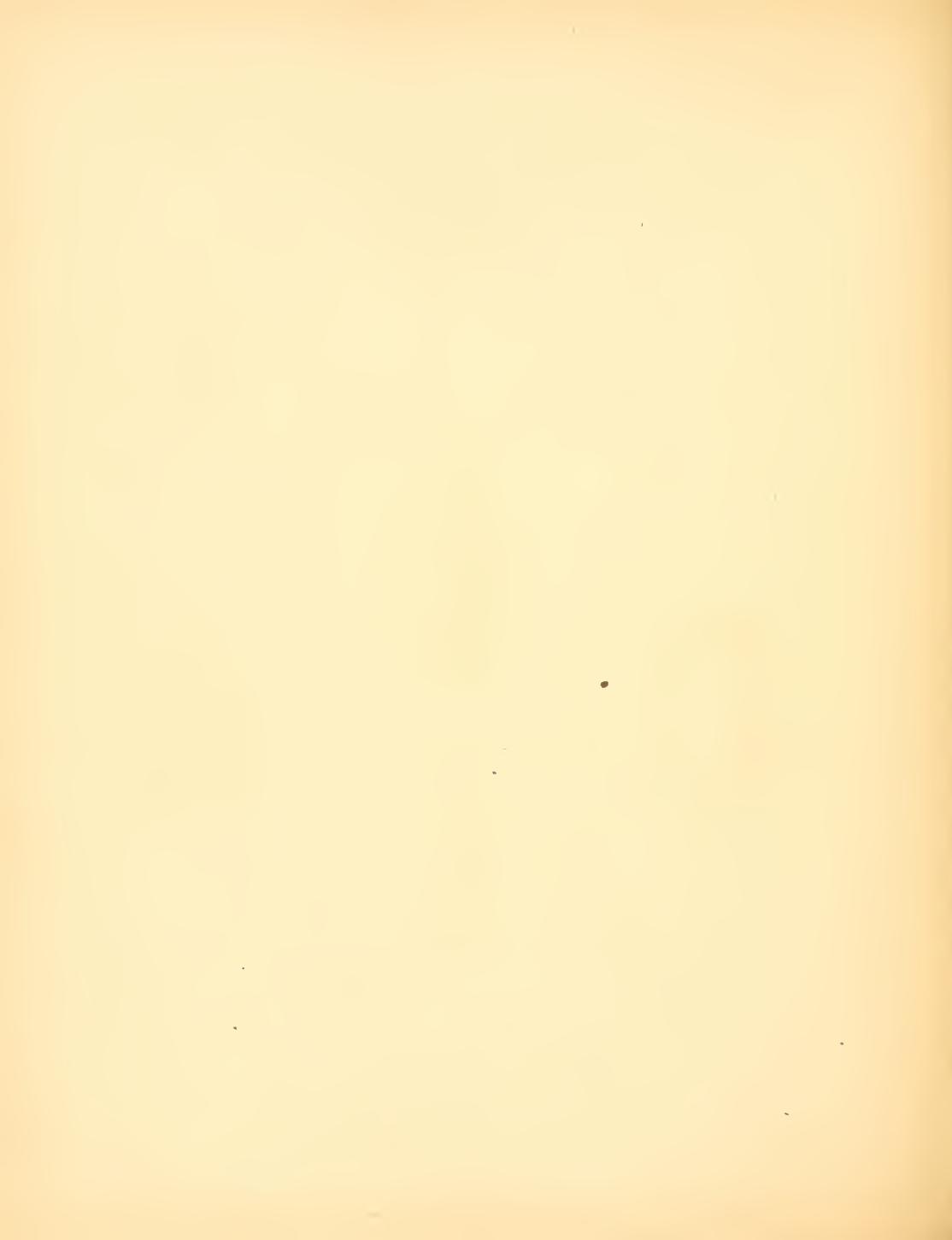


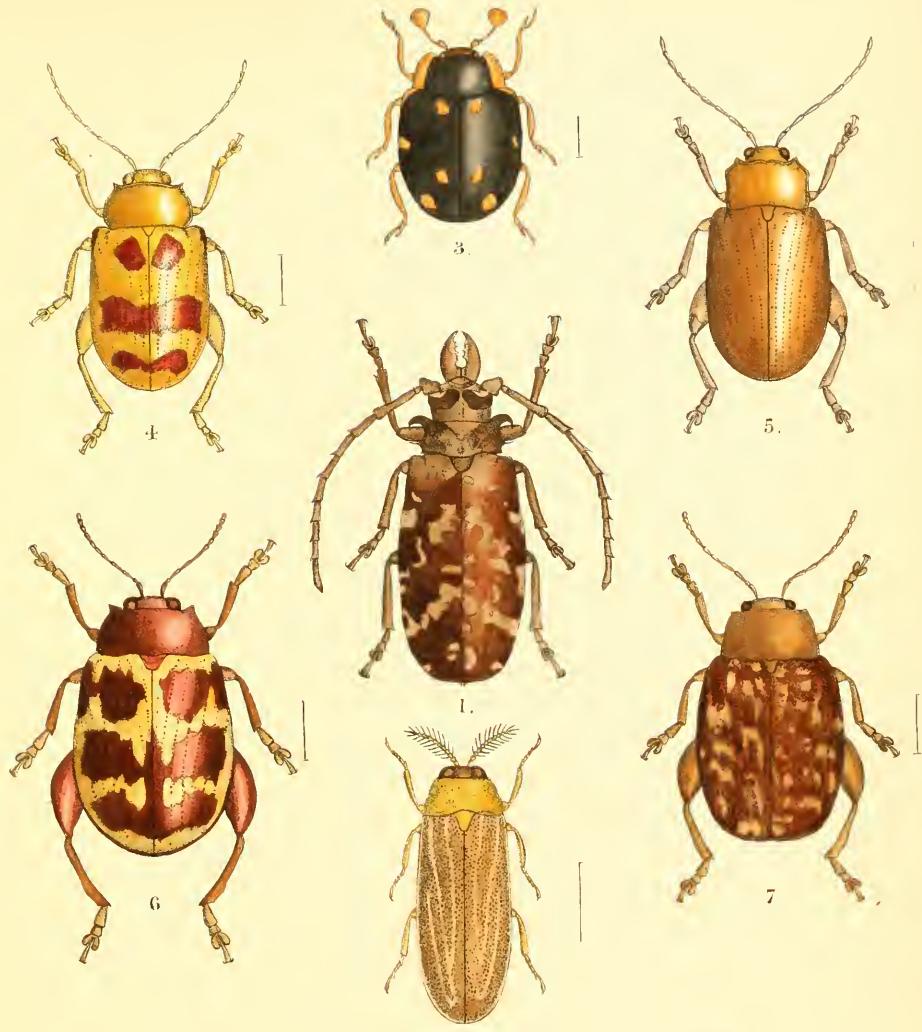
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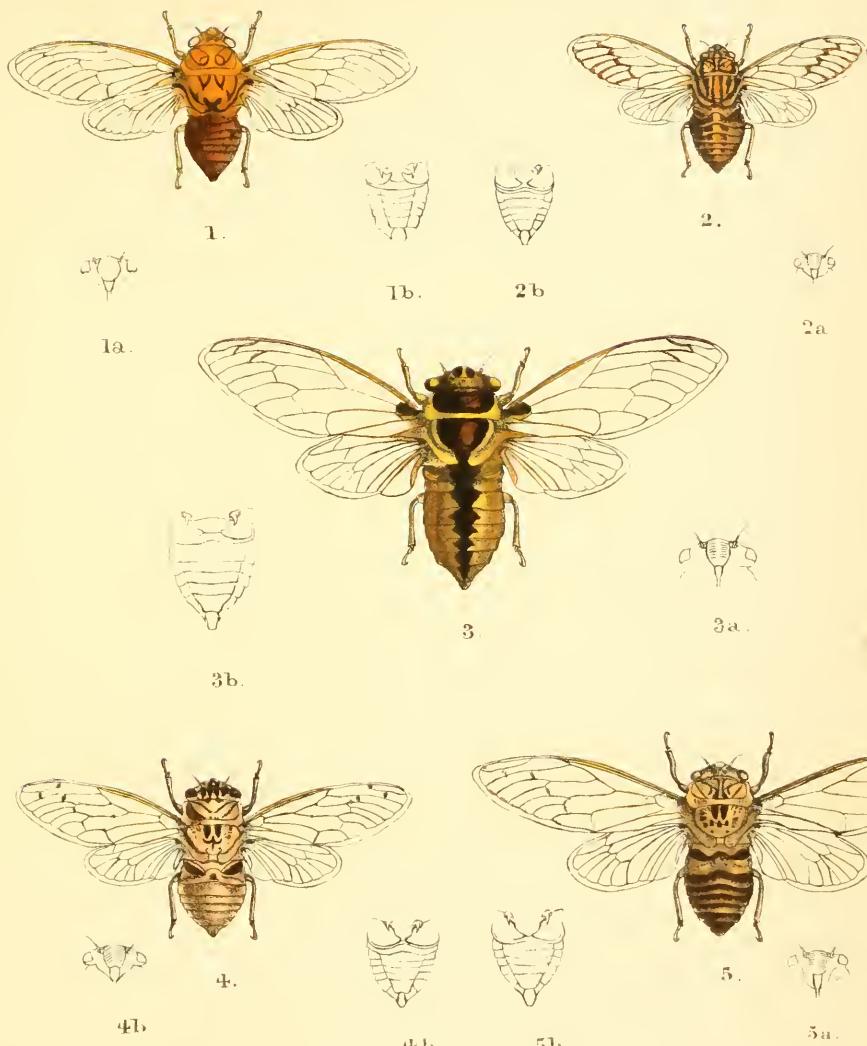
1. *Papilio albolineatus*, Forbes, Nat. Wand in F. Archipel., 1885, p. 275. Lepid.
2. *Tenaris buruensis*, Forbes, Nat. Wand in E. Archipel., 1885, p. 311. Barnes





1. *Tritoxes Palmaris*, Hope., *Ann. & Mag. Nat. Hist.* XI (1843), p. 305. Sierra Leone.
 2. *Diplocladon Hasseltii*, Gorham, *Votes from the Leyden Mus.* V (1883), p. 6. Sumatra.
 3. *Monocoryna decempunctata*, Gorham, *Ann. Mus. C. & S. N. Genova* II, (1885), p. 529. Sumatra.
 4. *Notozona elegans*, Clark, *Journ. of Ent.*, II, (1865), p. 411. Mexico.
 5. *Notozona humilis*, Clark, *Journ. of Ent.*, II, (1865), p. 412. Mexico.
 6. *Notozona rufifusca*, Clark, *Journ. of Ent.*, II, (1865), p. 412. Honduras.
 7. *Notozona sparsa*, Clark, *Journ. of Ent.*, II, (1865), p. 411. Mexico.
 M. Herman-Fisher del et lith.

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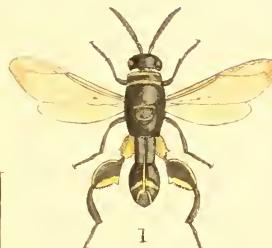
1. *Carineta obtusa*, Walker, Insecta Saundersiana, Homopt., 1858, p. 14. Brazil.
2. *Tympanoterpes elegans*, Berg, Anal. Soc. Ent. Argent., 1881, p. 41. Argentine Republic.
3. *Tympanoterpes arechavaletae*, Berg, Mem. Acad. Nac. Cienc., 1884, p. 194. Uruguay.
4. *Proarna capistrata*, Distant, Ent. Mag. XXII, 1885, p. 60. Buenos Ayres.
5. *Proarna pulvrea*, Oliv., Berg, Anal. Soc. Ent. Arg., XVI, 1882, p. 42. Brazil.



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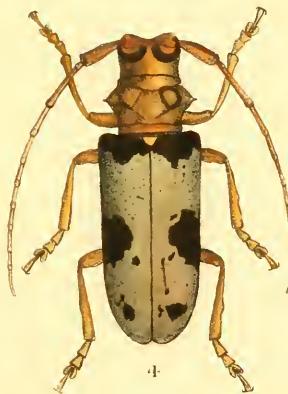
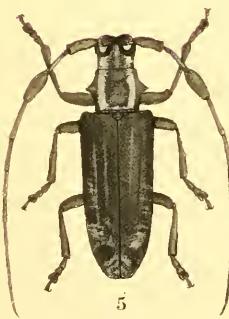
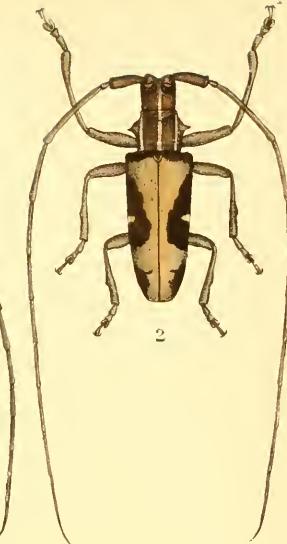


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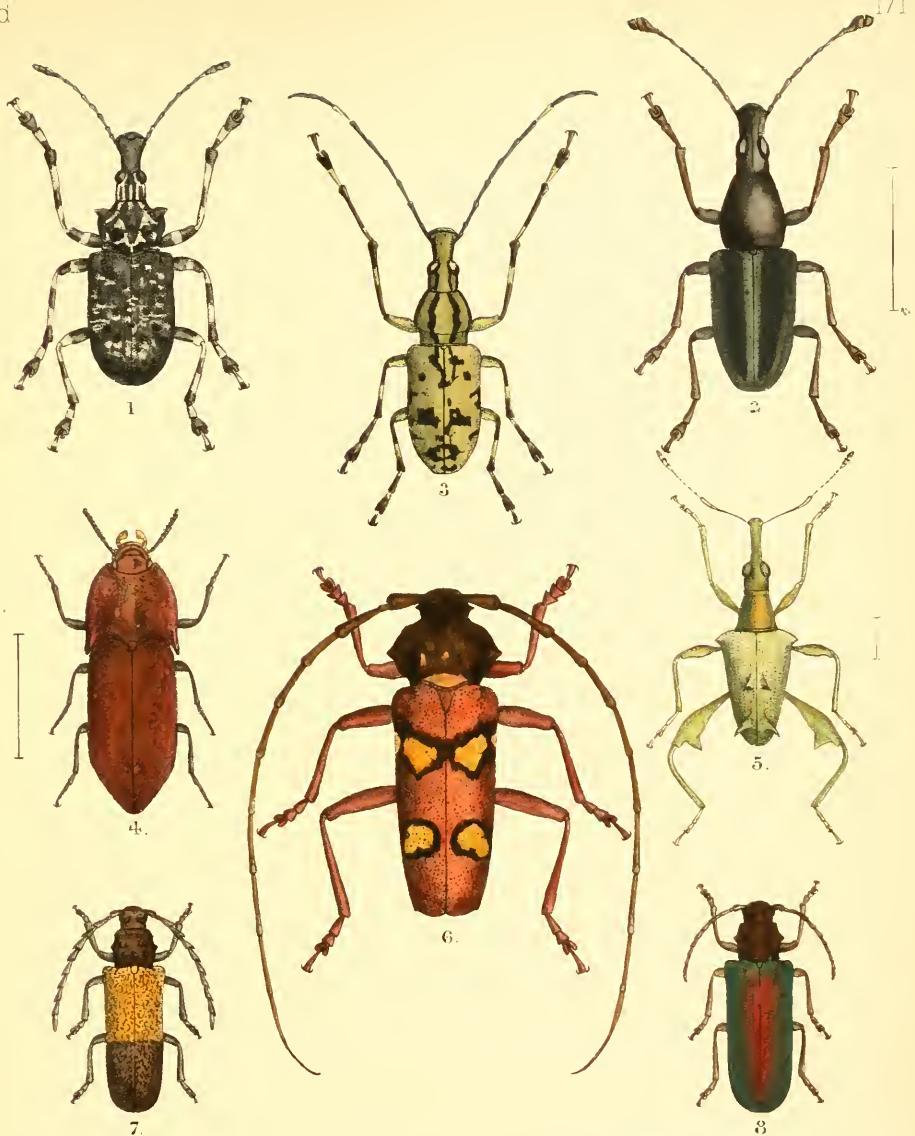


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1. *Leucospis coxalis*, Kirby, Ann. & Mag. Nat. Hist., XV, (1885), p. 243. Faunos Ayres.
 2. *Pompilus divisus*, Smith, 2nd Yarkand Mission, Hym., (1878), p. 15. Sind Valley.
 3. *Ichneumon bipustulatus*, Smith, 2nd Yarkand Mission, Hym., (1878), p. 20. Murree.
 4. 5. *Mutilla aurifex*, ♂. ♀, Smith, Descr. New Sp. of Hym. in Brit. Mus. (1879), p. 198. Bombay.
 6. *Mutilla rufitarsis*, Smith, Descr. New Sp. of Hym. in Brit. Mus. (1879), p. 199. India.
 7. *Megachile fulva*, Smith, 2nd Yarkand Mission, Hym., (1878). p. 4. Yarkand.



1. *Monohammus xanthomelas*, Bates, Ent. Mo. Mag., XXI, (1884), p. 18. Gaboon.
2. *Monohammus pictor*, Bates, Ent. Mo. Mag., XXI, (1884), p. 17. Mt. Cameroons.
3. *Batomena multispinis*, Bates, Ent. Mo. Mag., XXI, (1884), p. 15. Mt. Cameroons.
4. *Tricholamia plagiata*, Bates, Ent. Mo. Mag., XXI, (1884), p. 15. Mt. Cameroons.
5. *Melanopolia farinosa*, Bates, Ent. Mo. Mag., XXI, (1884), p. 16. Gabon.
6. *Noserocera tuberosa*, Bates, Ent. Mo. Mag., XXI, (1884), p. 17. Mt. Cameroons.



1. *Tophoderes annulatus*, Waterh. Ann. & Mag. Nat. Hist. (1875), p. 412. Madagascar.
2. *Diastatropis olivaceus*, Waterh. Trans. Ent. Soc. Lond. (1877), p. 11. Madagascar.
3. *Mecocerus sulphureus*, Waterh. Trans. Ent. Soc. Lond. (1876), p. 24. Andaman Is.
4. *Psorochroa granulata*, Broun, Man. N. Zeal. Coleopt., II, (1881), p. 32. New Zealand.
5. *Ancistropterus prasinus*, Broun, Man. N. Zeal. Coleopt., II, (1881), p. 58. New Zealand.
6. *Stenaspis plagiatus*, Waterh. Trans. Ent. Soc. Lond. (1877), p. 12. Guatemala.
7. *Opsamates dimidiatus*, Waterh. Trans. Ent. Soc. Lond. (1879), p. 265. Madagascar.
8. *Opsamates purpureipennis*, Waterh. Trans. Ent. Soc. Lond. (1880), p. 60. Madagascar.

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1. *Bizone rubrifasciata*, Druce, Ent. Mo. Mag., XX, (1883), p. 156. N. Celebes.
2. *Aletis Monteironis*, Druce, Ent. Mo. Mag., XX, (1883), p. 156. Delagoa Bay.
3. *Amesia hyala*, Druce, Proc. Zool. Soc. Lond., (1885), p. 518. Darjeeling.
4. *Eusemia medeba*, Druce, Ent. Mo. Mag., XVI, (1880), p. 269. Old Calabar.
5. *Eusemia opheltes*, Druce, Proc. Zool. Soc. Lond., (1885), p. 518. N. Burmah.

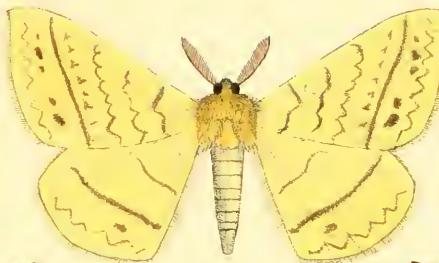




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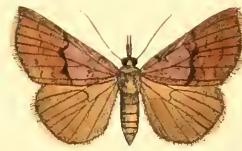
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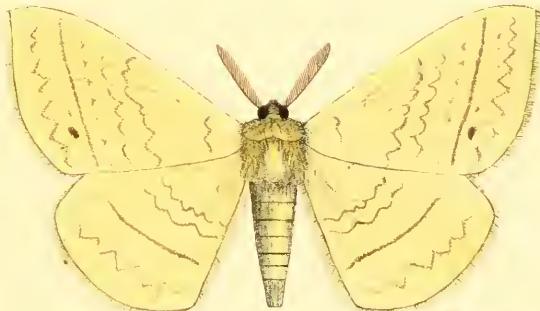
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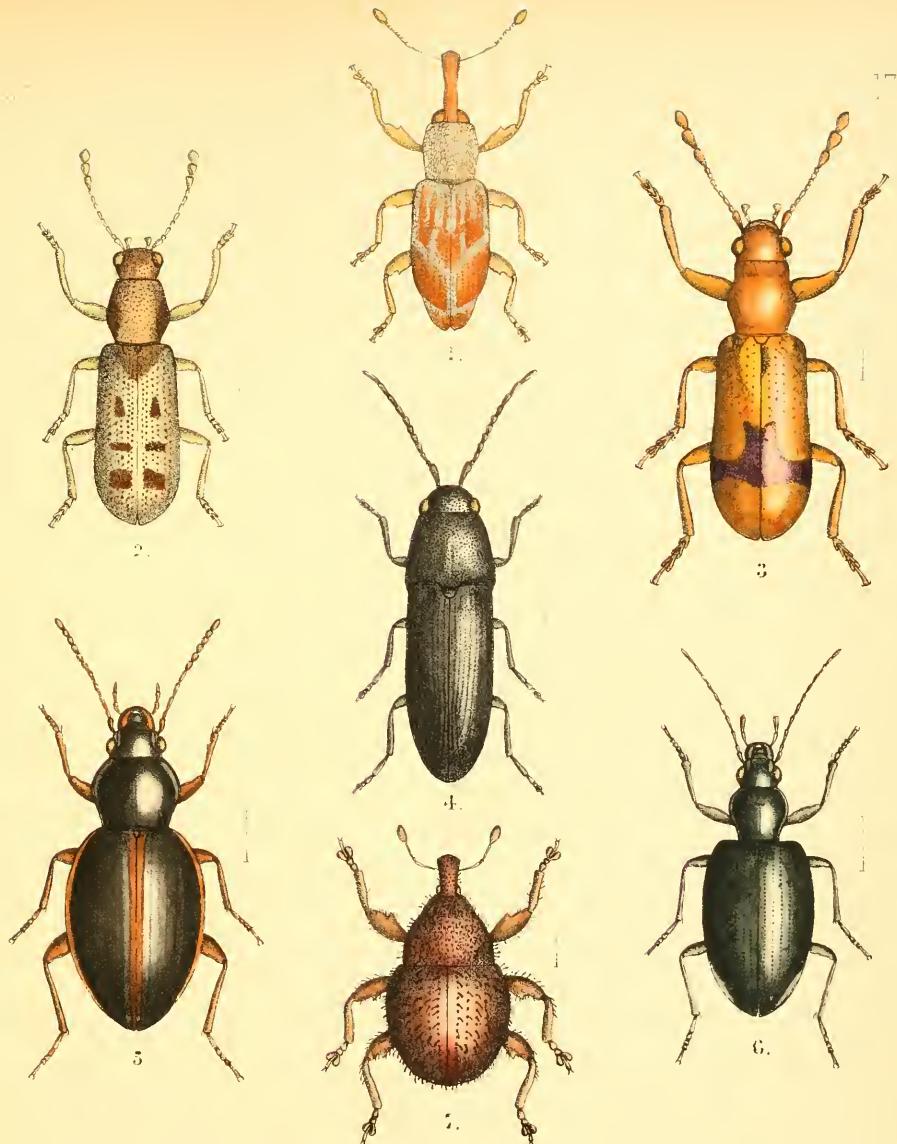
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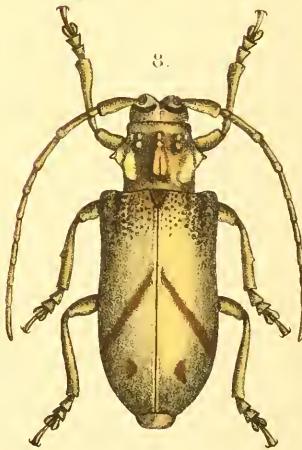
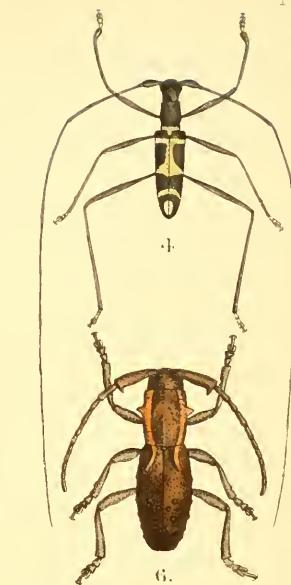
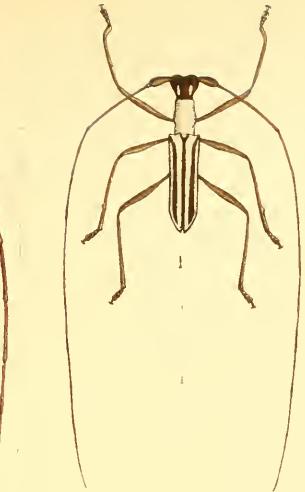
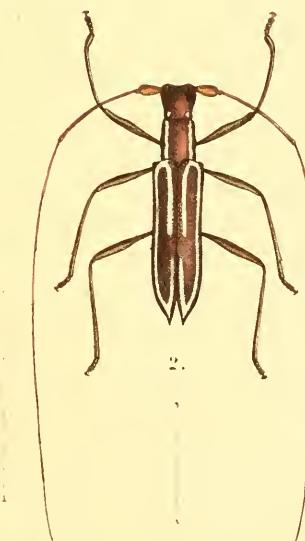
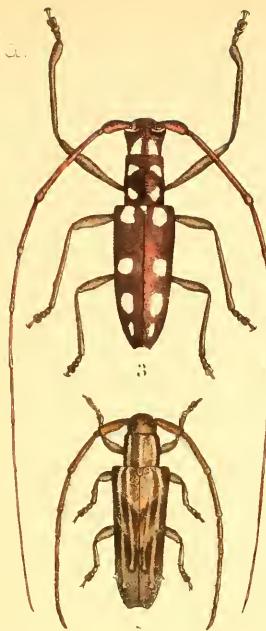
1. *Muriida fraterna*, ♂, Moore, *Trans. Ent. Soc.*, (1884), p. 371. Darjeeling.
2. *Muriida lineosa*, Walker, *Cal. Lep. Het. Brit. Mus.*, VI, (1855), p. 1440. Nepal.
3. *Mastygophora scopigeralis*, Moore, *Proc. Zool. Soc. Lond.*, (1867), p. 56. N. E. Bengal.
4. *Egnasia castanea*, Moore, *Lep. in Coll. Atkinson*, II, (1882), p. 184. Khasia Hills.
5. *Hypena umbripennis*, Moore, *Lep. in Coll. Atkinson*, II, (1882), p. 192. Khasia Hills.
6. *Hypena ophioides*, Moore, *Lep. in Coll. Atkinson*, II, (1882), p. 189. Khasia Hills.
7. *Rhynchnia angulifascia*, Moore, *Lep. in Coll. Atkinson*, II, (1882), p. 188. N. W. Himalaya.
8. *Saraca pannosa*, Moore, *Lep. in Coll. Atkinson*, II, (1882), p. 182. Darjeeling.





1. *Pachydon lineatus*, Brown, Man. N. Zeal. Coleopt., (1881), p. 705. N. Zealand.
 2. *Phymatophaea testacea*, Dr. J. M. Man. N. Zeal. Coleopt., (1881), p. 686. N. Zealand.
 3. *Phymatophaea spinosa*, Brown, N. Zeal. Journ. of Science, (1883), p. 375. N. Zealand.
 4. *Melanus sculptus*, Brown, Man. N. Zeal. Coleopt., (1881), p. 677. N. Zealand.
 5. *Tropopterus patulus*, Brown, Man. N. Zeal. Coleopt., (1881), p. 655. N. Zealand.
 6. *Bembidium latiusculum*, Brown, N. Zeal. Journ. of Science, (1883), p. 225. N. Zealand.
 7. *Paromalia vestita*, Brown, Man. N. Zeal. Coleopt., (1880), p. 497. N. Zealand.
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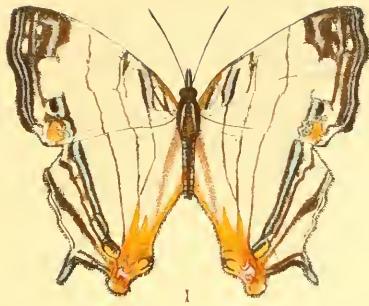




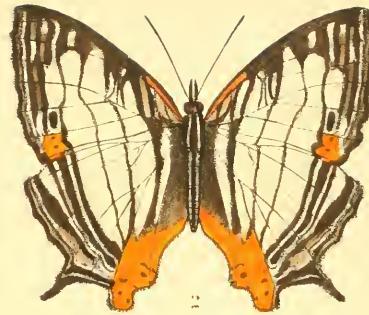
- 1,2. *Cylindrepomus grammicus*, ♂, ♀, Ann. & Mag. N. Hist. V., (1860), p 721. Waigou.
 3. *Olenecamptus optatus*, Pascoe, Proc. Zool. Soc., (1860), p 253. Penang.
 4. *Cylindrepomus laetus*, Pascoe, Trans Ent. Soc. IV, (1858), p. 241. Singapore.
 5. *Tanylamia melanura*, Pascoe, Ann. & Mag. N. Hist. XVII, (1886), p. 244. Madagascar.
 6. *Anexodus aquilus*, Pascoe, Ann. & Mag. N. Hist. XVII, (1886), p. 242. Borneo.
 7. *Thylactus longipennis*, Pascoe, Ann. & Mag. N. Hist. XVII, (1886), p 242. W Africa.
 8. *Chreostes Oberthuri*, Pascoe, Ann. & Mag. N. Hist. XVII, (1886), p 243. Zambezi.

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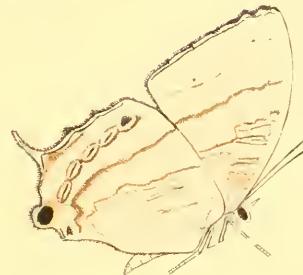
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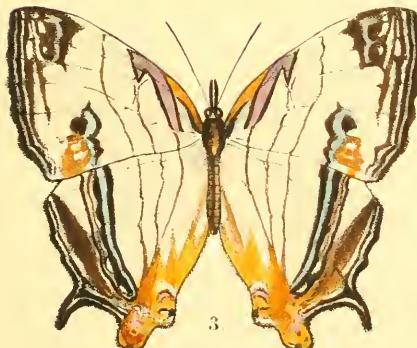
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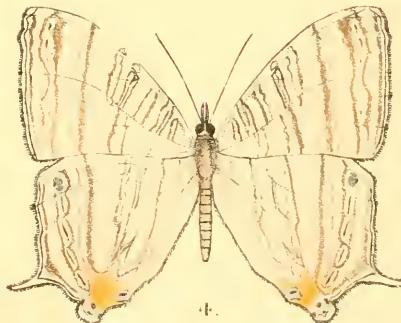
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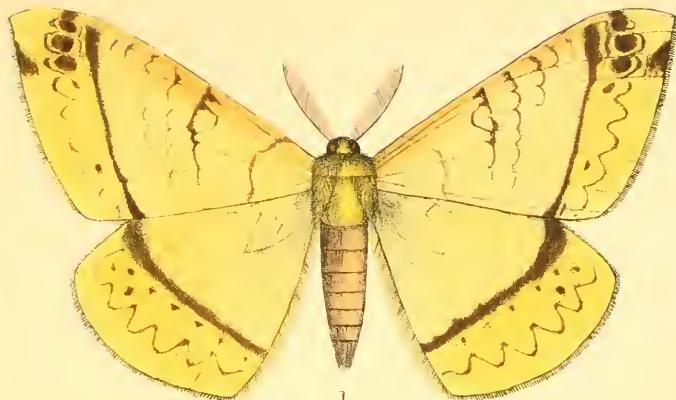


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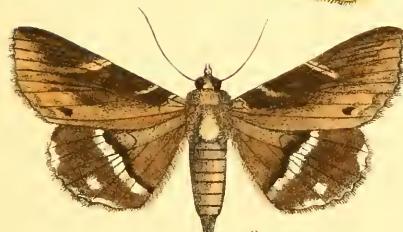


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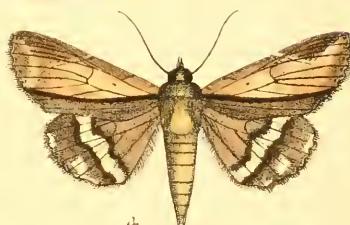
1. *Cyrestis Whitmei*, Butler, Ann & Mag. Nat. Hist. XX, (1837), p. 352 Lifu.
2. *Cyrestis irmæ*, Forbes, Nat. Wanu in F. Archipel. (1885), p. 274 Sumatra
3. *Cyrestis achates*, Butler, Proc. Zool. Soc. Lond. (1835), p. 481 Mysol
4. *Cyrestis sericeus*, Butler, Proc. Zool. Soc. Lond., (1865), p. 482 Borneo



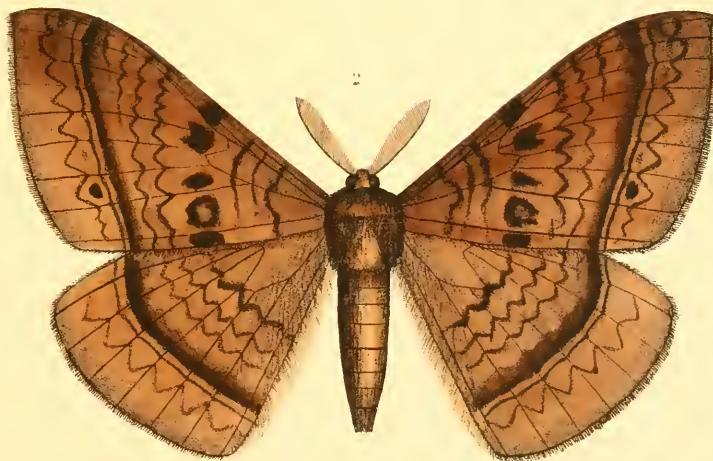
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1. *Eupterote gyra*, Swinhoe, Proc. Zool. Soc. Lond. (1885), p. 412. Belgaum
 2. *Eupterote diabolica*, Swinhoe, Proc. Zool. Soc. Lond., 1885, p. 503. Belgaum
 3. *Ercheia zygia*, Swinhoe, Proc. Zool. Soc. Lond., 1885, p. 465. Poona
 4. *Ercheia zura*, Swinhoe, Proc. Zool. Soc. Lond., 1885, p. 465. Bombyg



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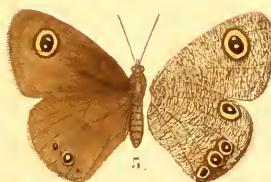
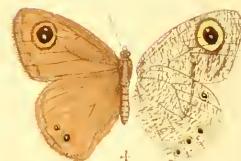
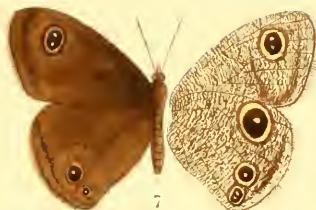
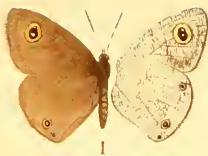
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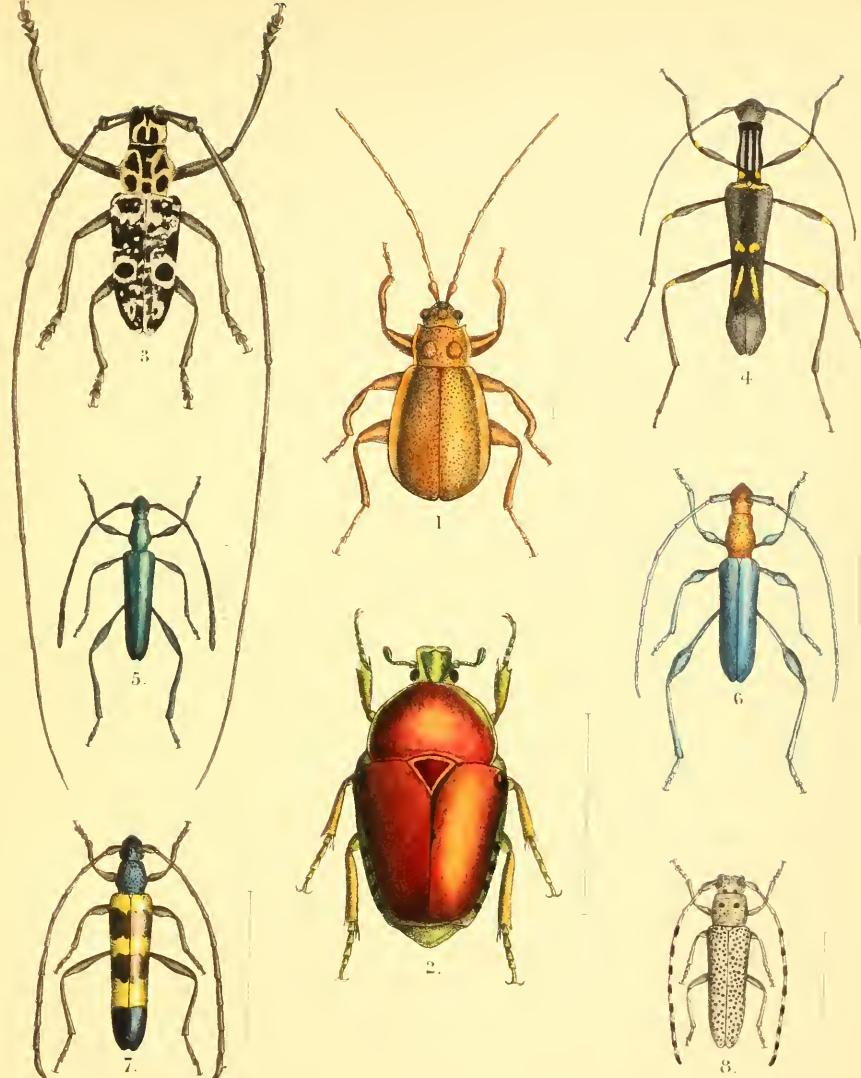
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- 1 *Vanessa Thomisoni*, Butler, Ann. & Mag. Nat. Hist., LX, (1881), p. 104. Brit. Honduras?
 2 *Remigia congregata*, Walker, Cat. Lep. Het. Brit. Mus., XV, (1858), p. 1847. W. Africa
 3 *Briarda conturbata*, Walker, Proc. Nat. Hist. Soc. Glasgow, I, (1869), p. 354. Congo.
 4 *Hyceteniera apicalis*, Walker, Cat. Lep. Het. Brit. Mus., II, (1854), p. 395. W. Africa.
 5 *Aroa discalis*, Walker, Cat. Lep. Het. Brit. Mus., IV, (1855), p. 792. Natal.
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1. *Ypthima natalia*, ♂, Moore, Journ. Asiatic Soc. Bengal., (1884), p. 14. Decr.
 2. *Ypthima apicalis*, ♂, Moore, Journ. Asiatic Soc. Bengal., (1884), p. 17. Deyra Dooar.
 3. *Ypthima florisfieldii*, ♂, Moore, Journ. Asiatic Soc. Bengal., (1884), p. 18. Java.
 4. *Ypthima howra*, ♂, Moore, Journ. Asiatic Soc. Bengal., (1884), p. 19. Calcutta.
 5. *Ypthima kasmira*, ♀, Moore, Journ. Asiatic Soc. Bengal., (1884), p. 17. Cashmire.
 6. *Ypthima avanta*, ♂, Moore, Proc. Zool. Soc. Lond., (1884), p. 56. Cashmire.
 7. *Ypthima newara*, ♂, Moore, Proc. Zool. Soc. Lond., (1884), p. 56. Nepal.
 8. *Ypthima nikaea*, ♀, Moore, Proc. Zool. Soc. Lond., (1884), p. 56. N.W. Himalaya.



1. *Rhopalotoma tuberculata*, Clark, Journ. of Ent., II, 1863, p. 194. New Grenada
 2. *Celidota splendens*, Waterh., Trans. Ent. Soc. Lond., 1850, p. 59. Madagascar.
 3. *Pelagoderus meleagris*, Pascoe, Trans. Ent. Soc. Lond., III, 1860, p. 279. Tondano.
 4. *Chlidones lineolatus*, Waterh., Trans. Ent. Soc. Lond., (1879), p. 321. Madagascar.
 5. *Promeces viridis*, Pascoe, Journ. of Ent., II, (1863), p. 53. Natal.
 6. *Euporus ignicollis*, Pascoe, Journ. of Ent., II, (1864), p. 237. Natal.
 7. *Polyzonus scalaris*, Pascoe, Journ. of Ent., II, (1863), p. 53. Grahamstown.
 8. *Blepinianis Bohemani*, Pascoe, Trans. Ent. Soc. Lond., II, IV, (1858), p. 257. Nata.



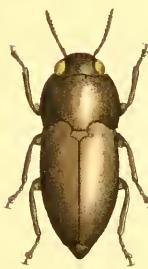
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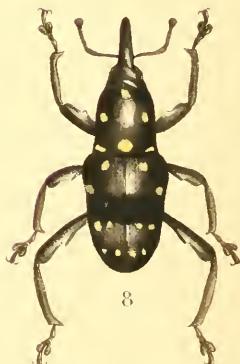
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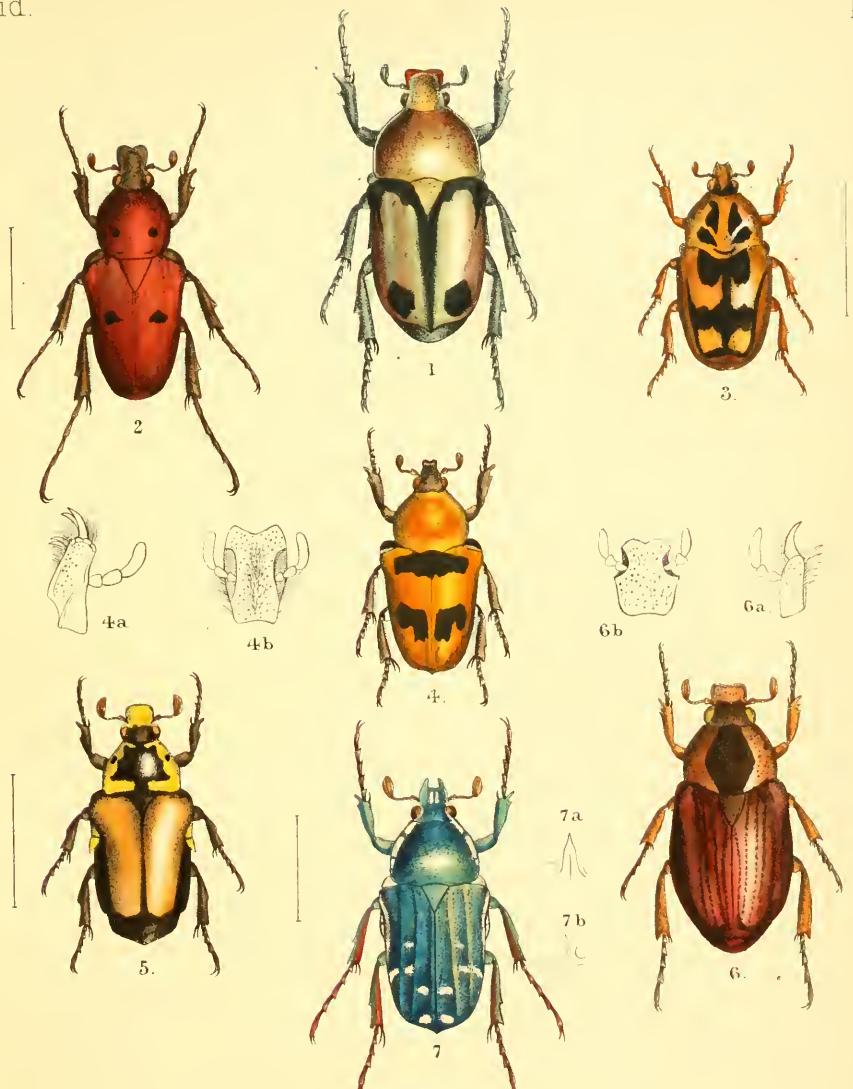
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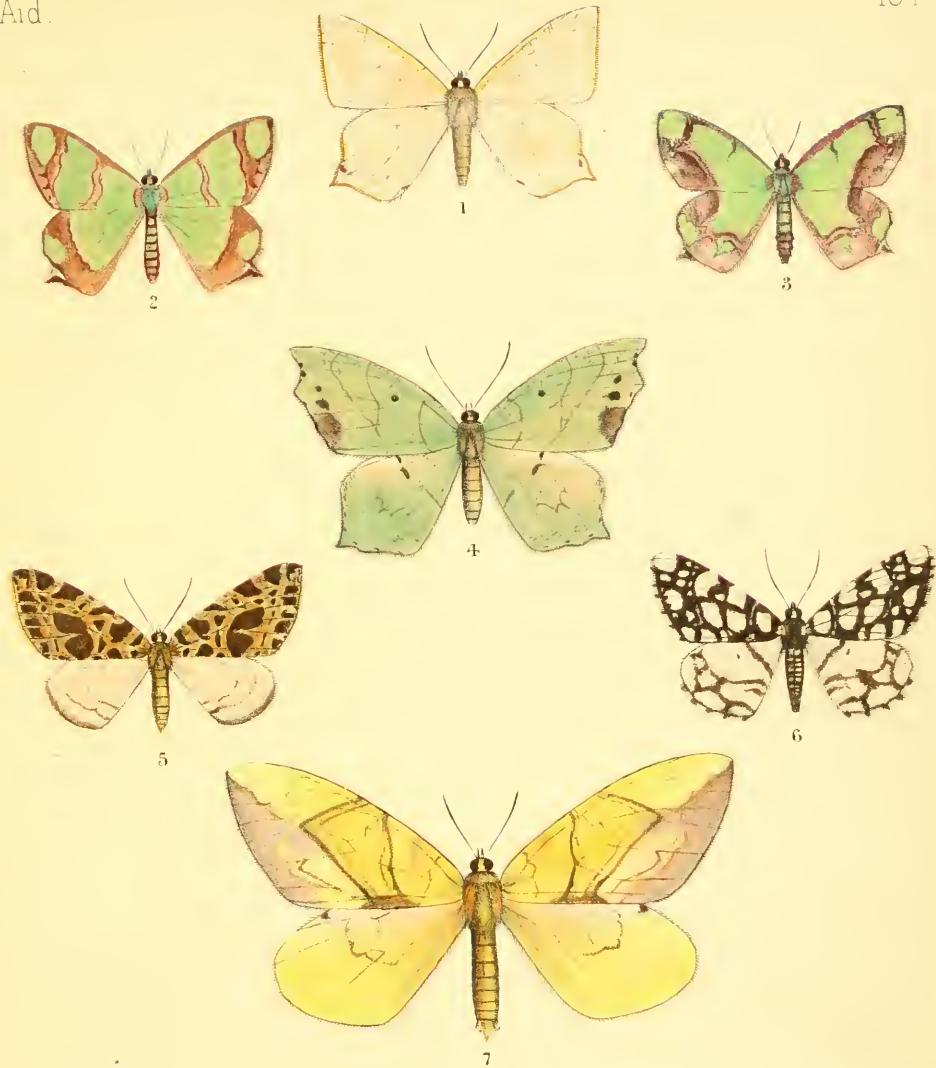
1. *Auxicerus platyceps*, Waterh., Ann. & Mag. Nat. Hist., III (1883) p. 25 Peru.
2. *Glenida suffusa*, Gahan, Ann. & Mag. Nat. Hist., II (1888) p. 20 China.
3. *Glenida cyaneipennis*, Gahan, Ann. & Mag. Nat. Hist., II (1888) p. 66 China.
4. *Callipyndax cupreiventris*, Waterh., Ann. & Mag. Nat. Hist., XIX (1887) p. 295 Brazil.
5. *Armenosoma atrum*, Waterh., Ann. & Mag. Nat. Hist., XIX (1887) p. 293. Cape of Good Hope.
6. *Maschalix latipennis*, Waterh., Ann. & Mag. Nat. Hist., XIX (1887) p. 294. Queensland.
7. *Cænophrada anobiooides*, Waterh., Ann. & Mag. Nat. Hist., I (1888) p. 350. India.
8. *Sphenophorus Cumingii*, Waterh., Ann. & Mag. Nat. Hist., XVIII (1886) p. 318. Philippine Is.



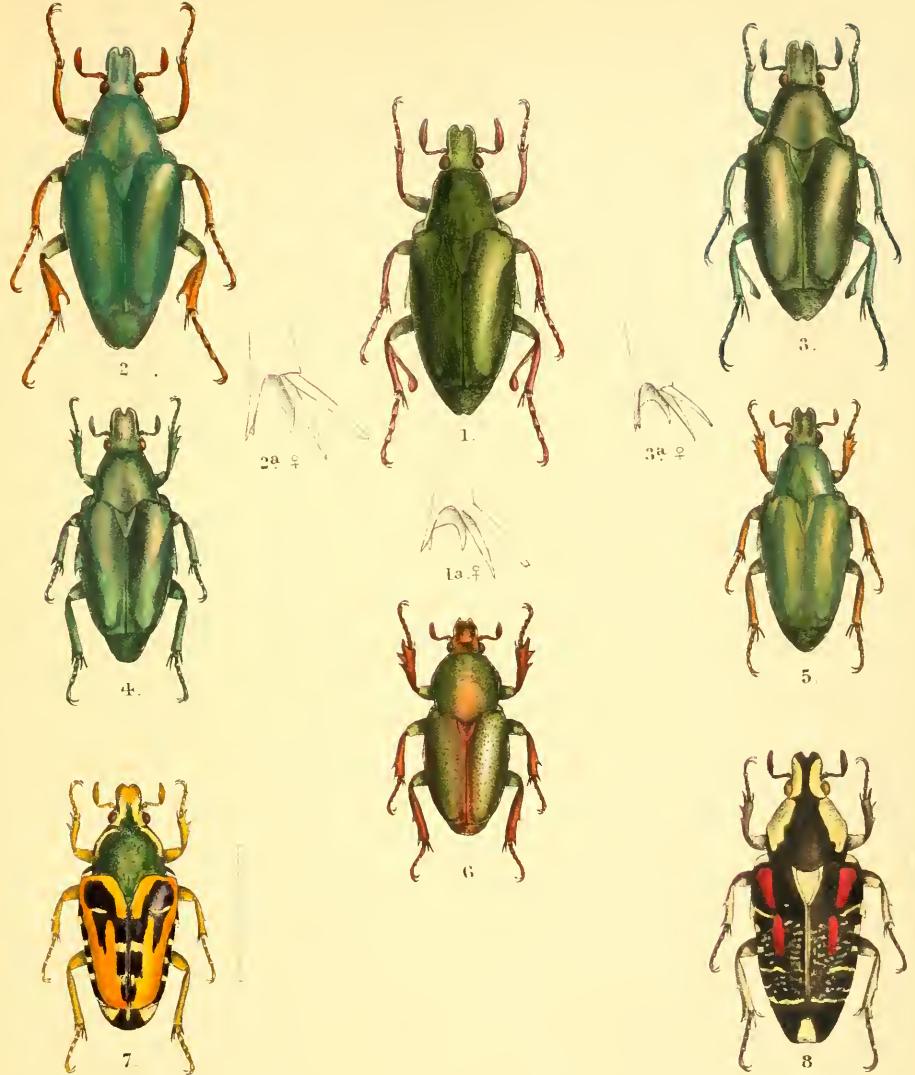
1. *Eudicella Trimeni*, *O. Janson*, *Cist. Ent.*, III (1884), p. 103. Natal.
 2. *Stenotarsia punctiventris*, *Waterh.*, *Ann. & Mag. Nat. Hist.*, XIV (1884), p. 348. Madagascar.
 3. *Charadronota curvata*, *O. Janson*, *Notes Leyden Mus.*, X (1888), p. 110. W. Africa.
 4. *Simorrhina Staudingeri*, *Kraatz*, *Deutsch. ent. Zeit.*, XXX (1886), p. 443. Africa.
 5. *Macroma Oberthuri*, *O. Janson*, *Notes Leyden Mus.*, X (1888), p. 112. Thibet.
 6. *Polyplastus assarius*, *O. Janson*, *Notes Leyden Mus.*, X (1888), p. 115. W. Africa.
 7. *Gnathocera hyacinthina*, *O. Janson*, *Cist. Ent.*, III (1885), p. 143. E. Africa.
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1. *Milionia Güntheri*, Butler, Ann. & Mag. Nat. Hist., VIII (1881) p. 381 Sumatra.
 2. *Milionia pyrozonis*, Butler, Ann. & Mag. Nat. Hist., X (1882) p. 375. Tenasserim.
 3. *Milionia iatifasciata*, Butler, Ann. & Mag. Nat. Hist., VIII (1881) p. 381 Malacca.
 4. *Milionia basalis*, Walker, List. Lep. Brit. Mus., II (1854) p. 365. Java.
 5. *Milionia Drucei*, Butler, Ann. & Mag. Nat. Hist., XII (1883) p. 107 Celebes.
 6. *Milionia Snelleni*, Butler, Ann. & Mag. Nat. Hist., XII (1883) p. 108 Celebes.



1. *Urapteryx margaritata*, Moore, Proc Zool Soc Lond., (1867), p. 612. Bengal.
 2. *Agathia quinaria*, Moore, Proc Zool Soc. Lond., (1867), p. 630. Bengal.
 3. *Agathia arcuata*, Moore, Proc Zool. Soc Lond., (1867), p. 640. Bengal.
 4. *Ennomos viridata*, Moore, Proc Zool Soc. Lond., (1867), p. 623. Bengal.
 5. *Cidaria reticulata*, Moore, Proc Zool Soc. Lond., (1867), p. 662. Bengal.
 6. *Ariachanna maculata*, Moore, Proc Zool Soc. Lond., (1867), p. 658. Bengal.
 7. *Gandaritis flavata*, Moore, Proc Zool. Soc. Lond., (1867), p. 660. Bengal.



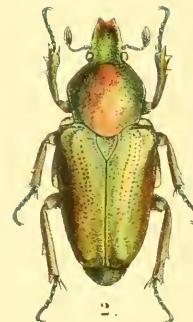
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 2. *Plectrone auripes*, Westwood, Bates, Proc. Zool. Soc. Lond., (1889), p. 387. Kini Balu.
 3. *Plectrone viridipes*, Bates, Proc. Zool. Soc. Lond., (1889), p. 388. Kini Balu.
 4. *Chalcothea pomacea*, Bates, Proc. Zool. Soc. Lond., (1889), p. 389. Kini Balu.
 5. *Chalcothea planiuscula*, Bates, Proc. Zool. Soc. Lond., (1889), p. 389. Kini Balu.
 6. *Prigenia viridiaurata*, Bates, Proc. Zool. Soc. Lond., (1889), p. 385. Kini Balu.
 7. *Xenoloba speciosa*, Bates, Proc. Zool. Soc. Lond., (1889), p. 387. Kini Balu.
 8. *Tæniddera ditissima*, Bates, Proc. Zool. Soc. Lond., (1889), p. 390. Kini Balu.



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1b.



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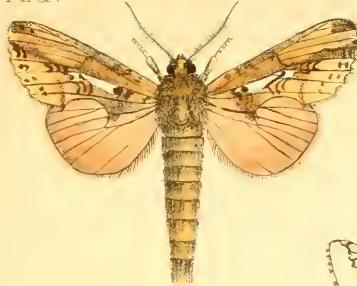


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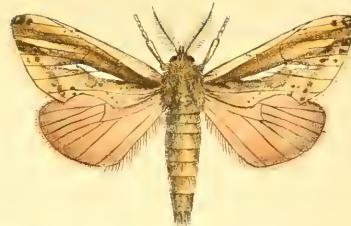


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1,2. *Mycterus telifer*, Bates, Proc. Zool. Soc. Lond., (1889), p. 386. Kini Balu
 3. *Glyptothea Whiteheadi*, Bates, Proc. Zool. Soc. Lond., (1889) v 390. Kini Balu
 4,5 *Lucanus laminifer*, ♂, ♀, Waterh. Ann. & Mag. Nat. Hist., V (1890), p 33. Assam
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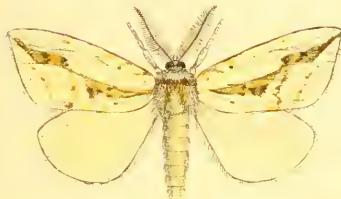
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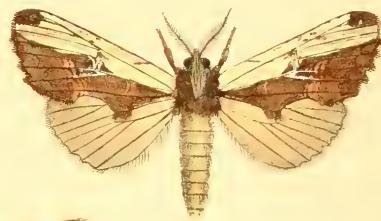
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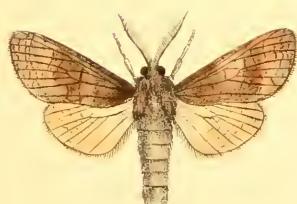
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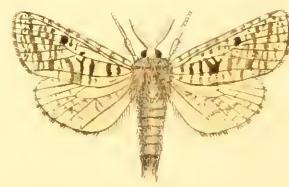
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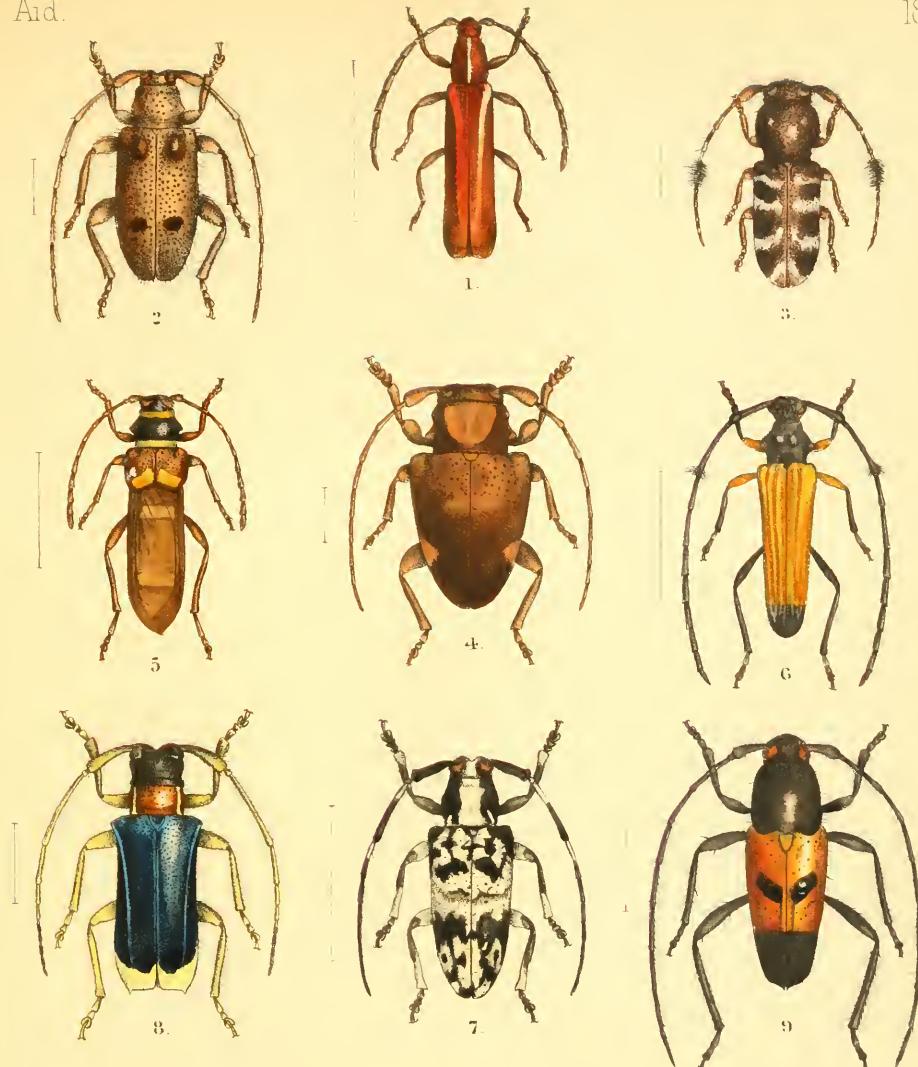


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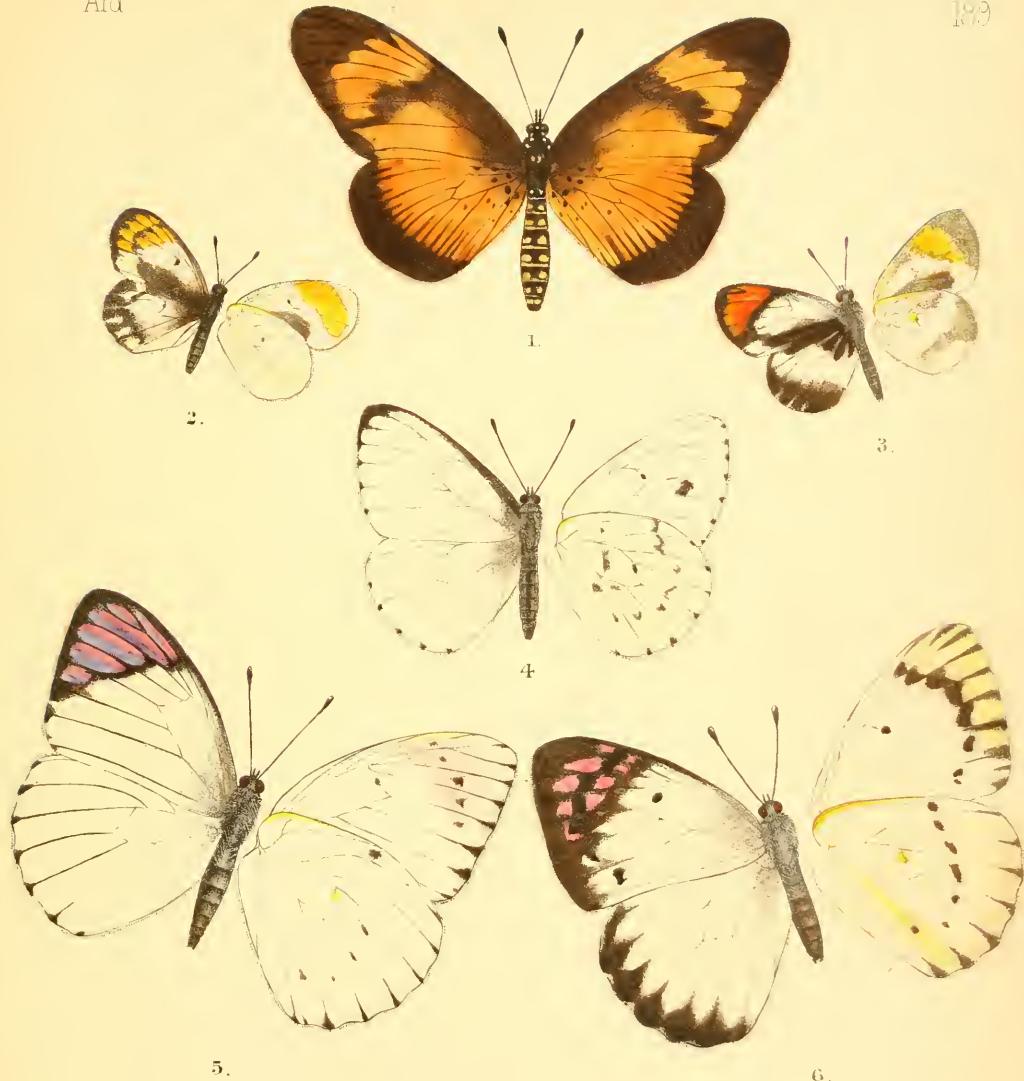
- 1 *Celeja sikkima*, ♂, Moore, Descr. Lep. Coll. Atkinson, p. 61 Darjeeling
 2 *Celeja auritincta*, ♂, Moore, Proc. Zool. Soc. Lond., (1865), p. 811 Darjeeling
 3 *Cerura prasana*, ♂, Moore, Proc. Zool. Soc. Lond., 1865, p. 812 Darjeeling
 4 *Cerra junctura*, ♂, Moore, Descr. Lep. Coll. Atkinson, p. 65. Darjeeling
 5 *Pheosia costalis*, ♂, Moore, Descr. Lep. Coll. Atkinson, p. 69 Darjeeling
 6. *Monema ocellata*, ♀, Moore, Descr. Lep. Coll. Atkinson, p. 74. Darjeeling
 7 *Cossus cadambæ*, ♂, Moore, Proc. Zool. Soc. Lond., (1865) p. 822 Bengal
 8 *Cossus tessellatus*, ♂, Moore, Descr. Lep. Coll. Atkinson, p. 85 Calcutta.

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- 1 Erivhesthes Bowringii, Pascoe, Journ. of Ent. II, p. 51 Hong Kong
 2 Isse punctata, Pascoe, Journ. of Ent. II, p. 222 Nata.
 3 Biasmia guttata, Pascoe, Journ. of Ent. II, p. 227 Nata.
 4 Aerenia trigona, Pascoe, Trans. Ent. Soc. Lond., IV (1858), p. 47 Brazil
 5 Hesthesis acutipennis, Pascoe, Trans. Ent. Soc. Lond., I (1863), p. 556 New South Wales
 6 Tritocosmia Digglesii, Pascoe, Trans. Ent. Soc. Lond., V (1859), p. 58 Queensland
 7 Anastetha rariplata, Pascoe, Proc. Ent. Soc. Lond., 1866, p. 28 Rockhampton
 8 Chrysaperda collaris, Pascoe, Trans. Ent. Soc. Lond., 1858, p. 59 Ecuador
 9 Pianodes hirsutus, Pascoe, Trans. Ent. Soc. Lond., III (1855), p. 52 Ceram



1. *Planema Jacksoni*, E. Sharpe, Ann. & Mag. Nat. Hist., V. (1890), p. 335. E. Africa
 2. *Teracolus bifasciatus*, E. Sharpe, Ann. & Mag. Nat. Hist. V. (1890), p. 336. E. Africa
 3. *Teracolus Jacksoni*, E. Sharpe, Ann. & Mag. Nat. Hist. V. (1890), p. 336. E. Africa
 4. *Pinacopteryx nigropunctata*, E. Sharpe, Ann. & Mag. Nat. Hist. V. (1890), p. 336. E. Africa
 5, 6. *Teracolus eliza*, ♂, ♀. E. Sharpe, Ann. & Mag. Nat. Hist. V. (1891), p. 441. E. Africa
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