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# LIST OF PLATES

## OF INSECTS.

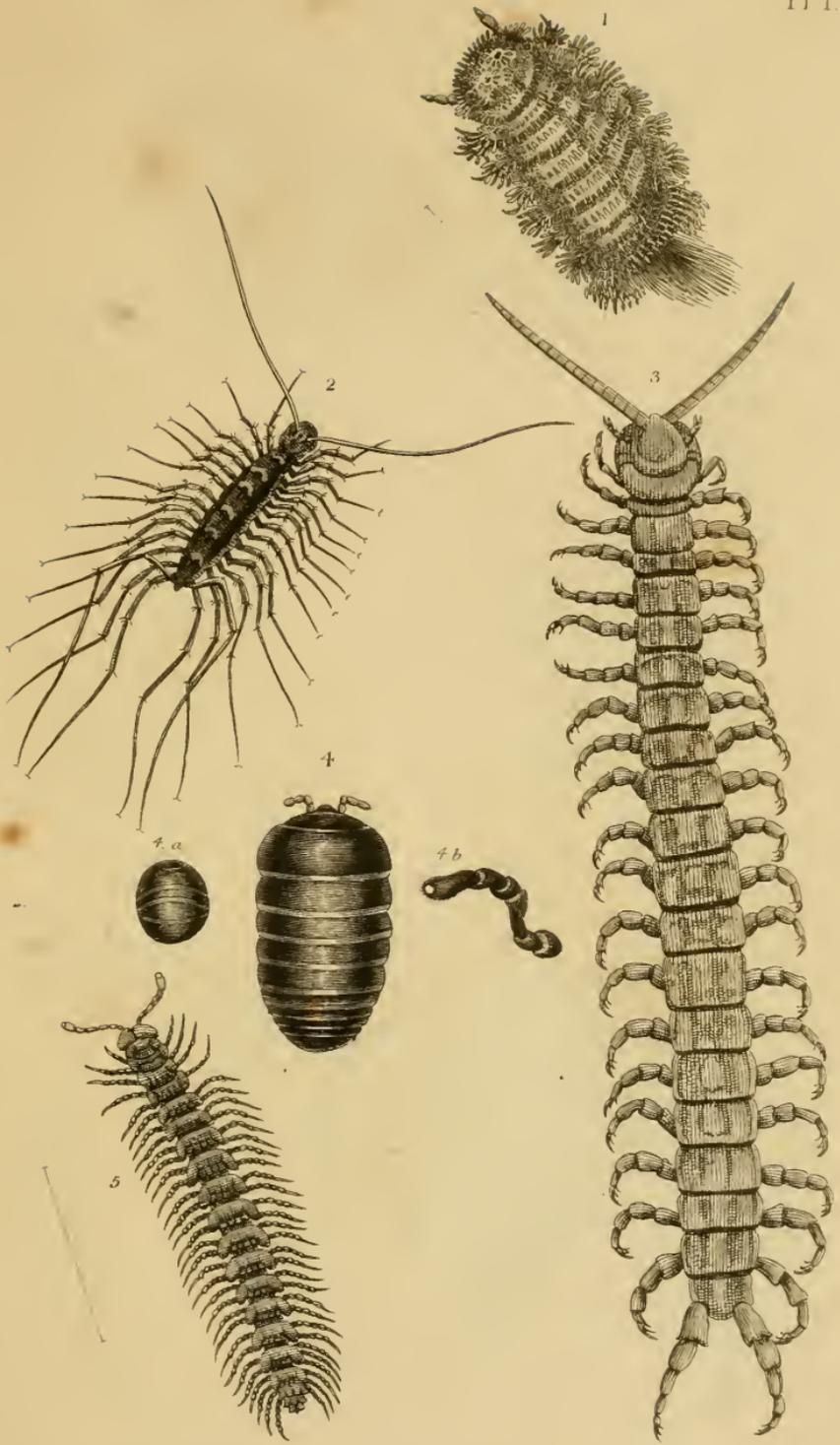
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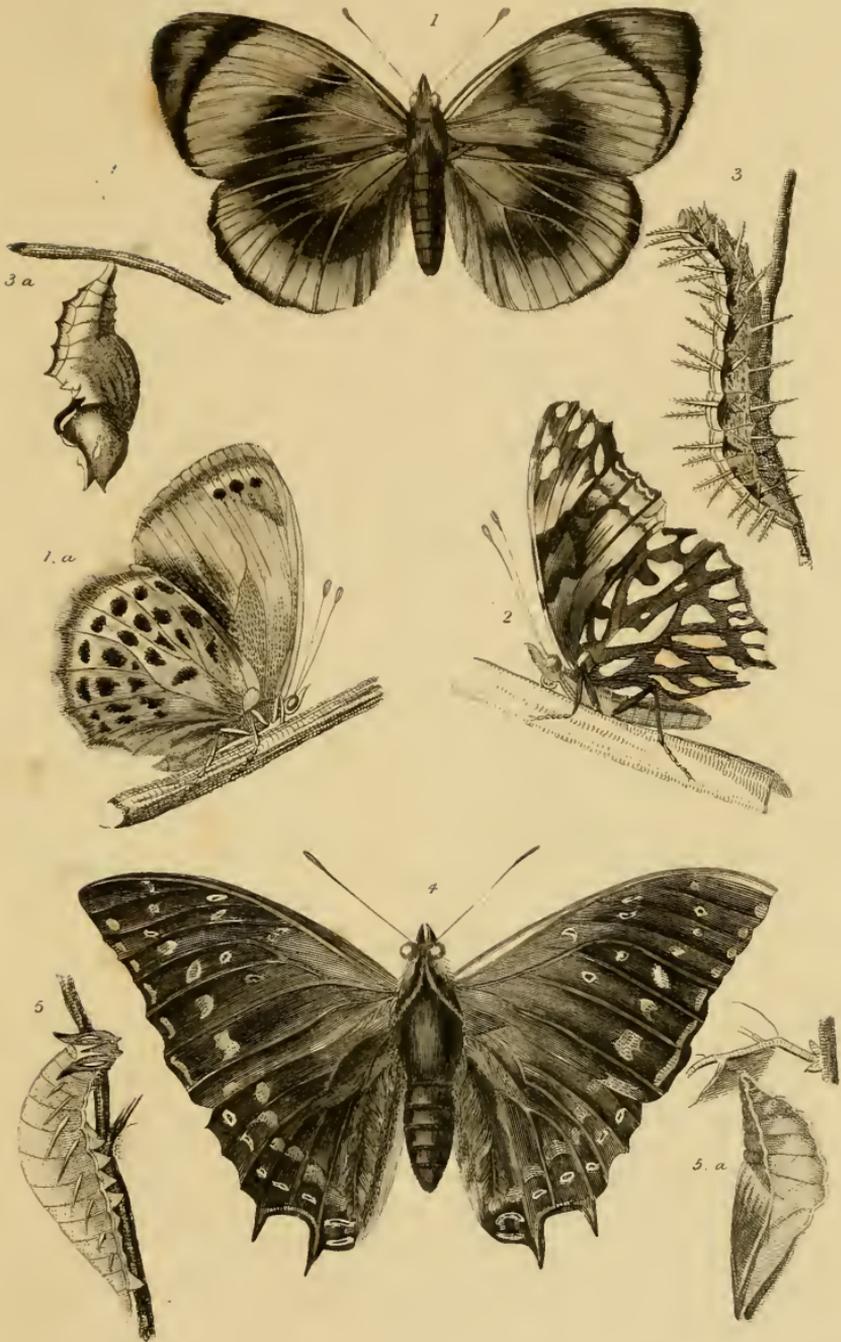
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CXXIV. ....	xiv. ....	544
CXXV. ....	xv. ....	774
CXXVI. ....	xv. ....	625
CXXVII. ....	xv. ....	298
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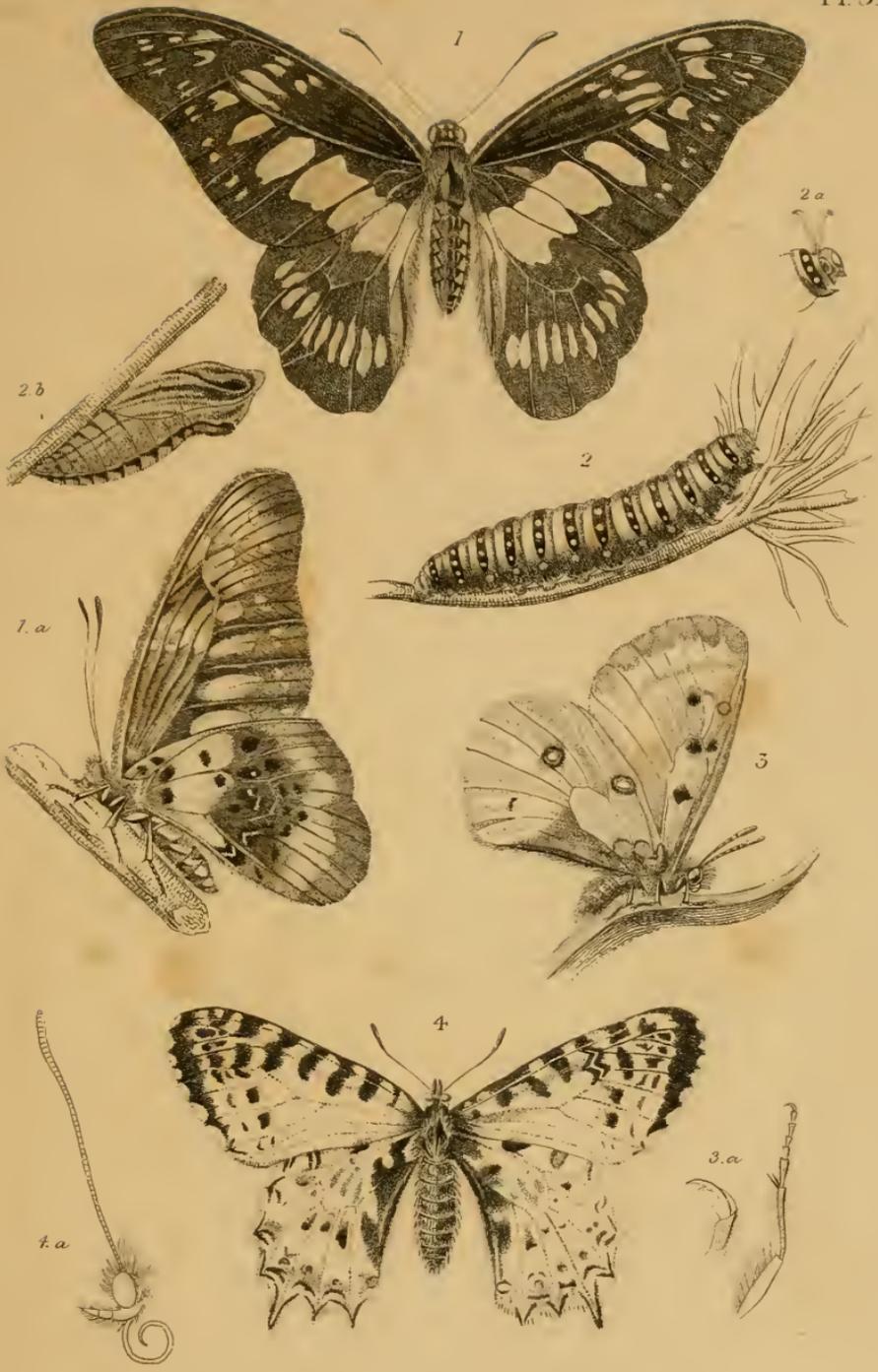
1. *Polyxenus lagurus*. 2. *Scutigera livida*. 3. *Scolopendra alternans*.  
*Leach*. 4. *Glomeris marginata*. *Leach*. 5. *Polydesmus complanatus*.





1. *Argynnis callithea*. God. 2. *Argynnis moneta*. Geyer. 3. Caterpillar & chrysalis, of *Argyn paphia*. God. 4. *Nymphalis detha*. God. 5. Caterpillar & chrysalis of *Nymphalis*. God.





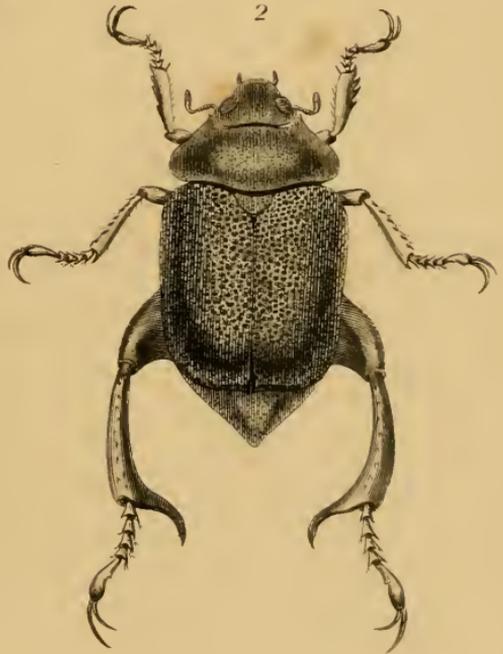
1 *Papilio Labrallii*. God. 2 Caterpillar & chrysalis of *Pap machaon*. L. 3. *Parnassius phaeus*. Fabr. God.  
 4. *Thais Arisyi*. God.



1



2



3



1. *Scarabaeus macropus*. Sh. Nat. Mss.

2. Male. 3. Fem. of *Melolontha chrysochlorata*.





Coll. J. G. Children, Esq.

*Trictenotoma Childreni.* G.R. Viny.





*Coll. J. G. Childron, Esq.<sup>r</sup>*

*I. O. Westwood, del.<sup>t</sup>*

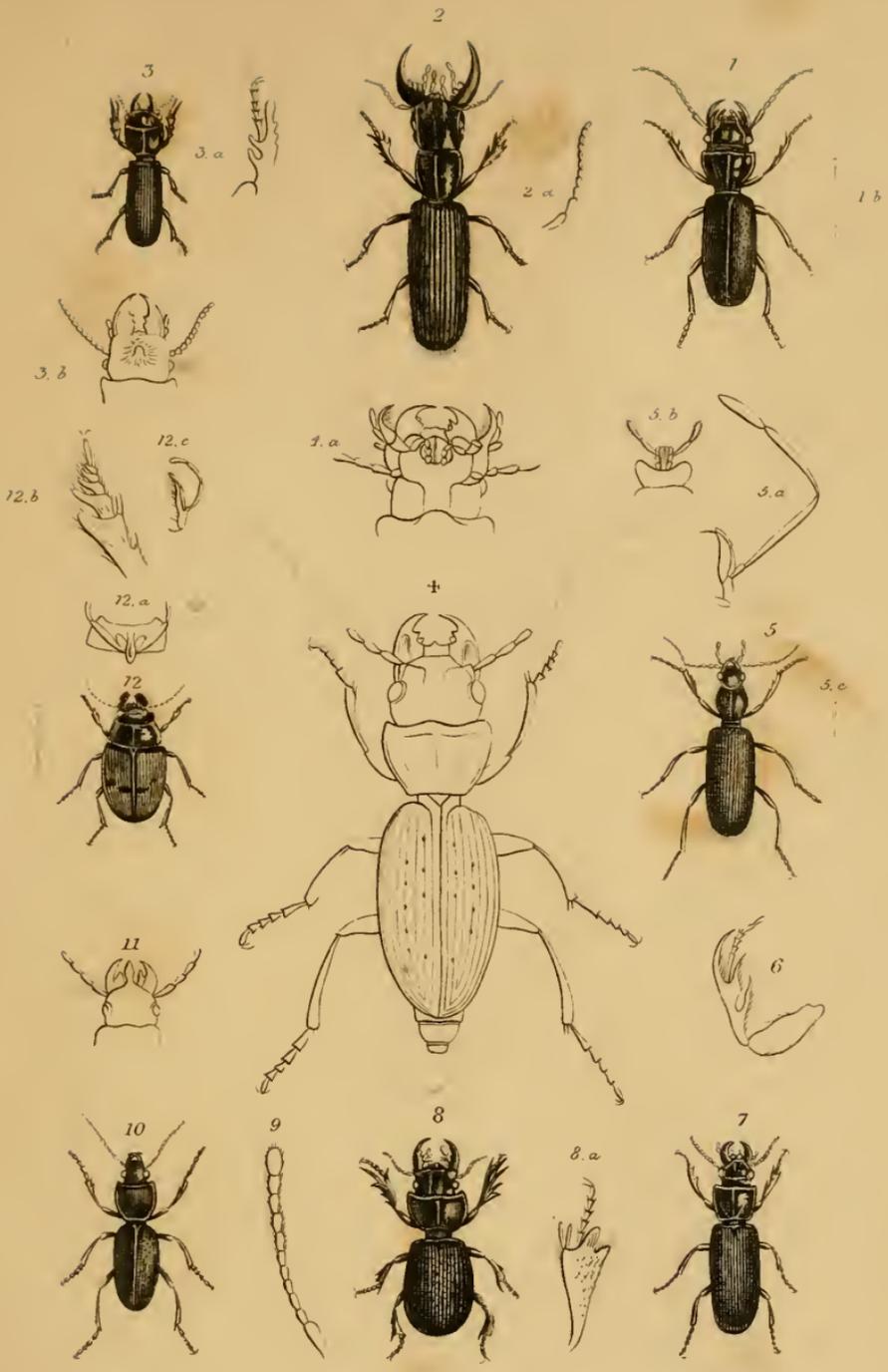
*Psalidognathus Friendii. G. R. Gray.*





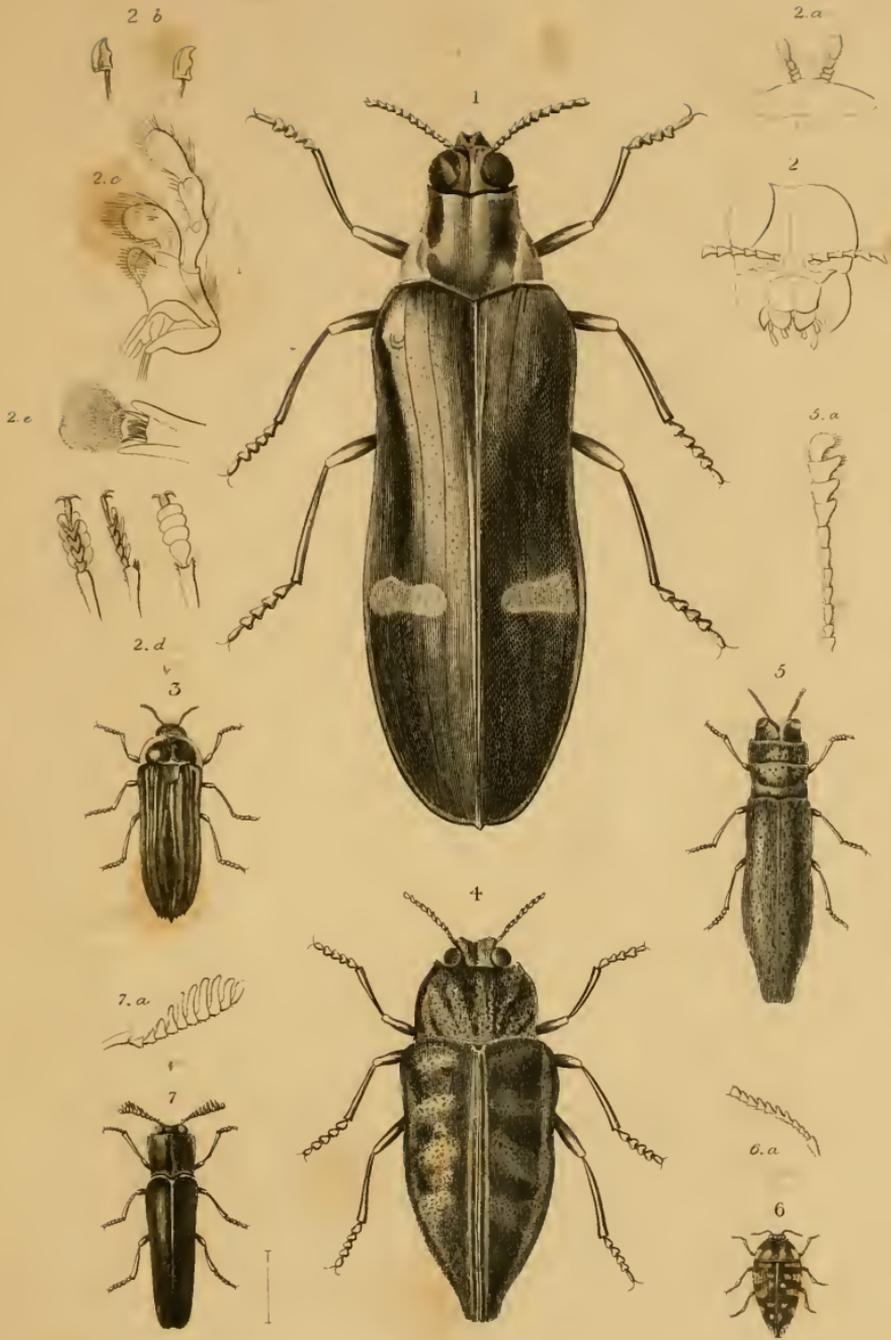
1. *Dytiscus lherminieri*. Chev. 2. *Id. serricornis* Pusk. 3. Ant. tarsus of *Colymbetes*.  
 4. *Id.* of *Hydroporus planus*. Latr. 5. *Hygrobia Hermannii*. Latr. 6. *Noterus crassicornis* Clairv. 7. *Haliphys devalus*. 8. *Gyrimus sulcatus*. Dej.





1. *Siagoua Europaea*. Dej. 2. *Oxystemus Sancti-Hilarii*. Lat. 3. *Scapterus Guerinii*. Dej.  
 4. *Enceladus gigas*. Bon. 5. *Apotonus rufus*. Lat. 6. Fore tarsi of *Dischirius thoracicus*. Lat.  
 7. *Morio simplex*. Dej. 8. *Acanthocelis ruficornis*. Lat. 9. Antenna of *Ozæna Rogerii*. Dej.  
 10. *Ditonus violaceus*. Lat. 11. Head of *Ditonus calydonius*. Lat. 12. *Cyclosomus flexuosus*.  
 Lat.



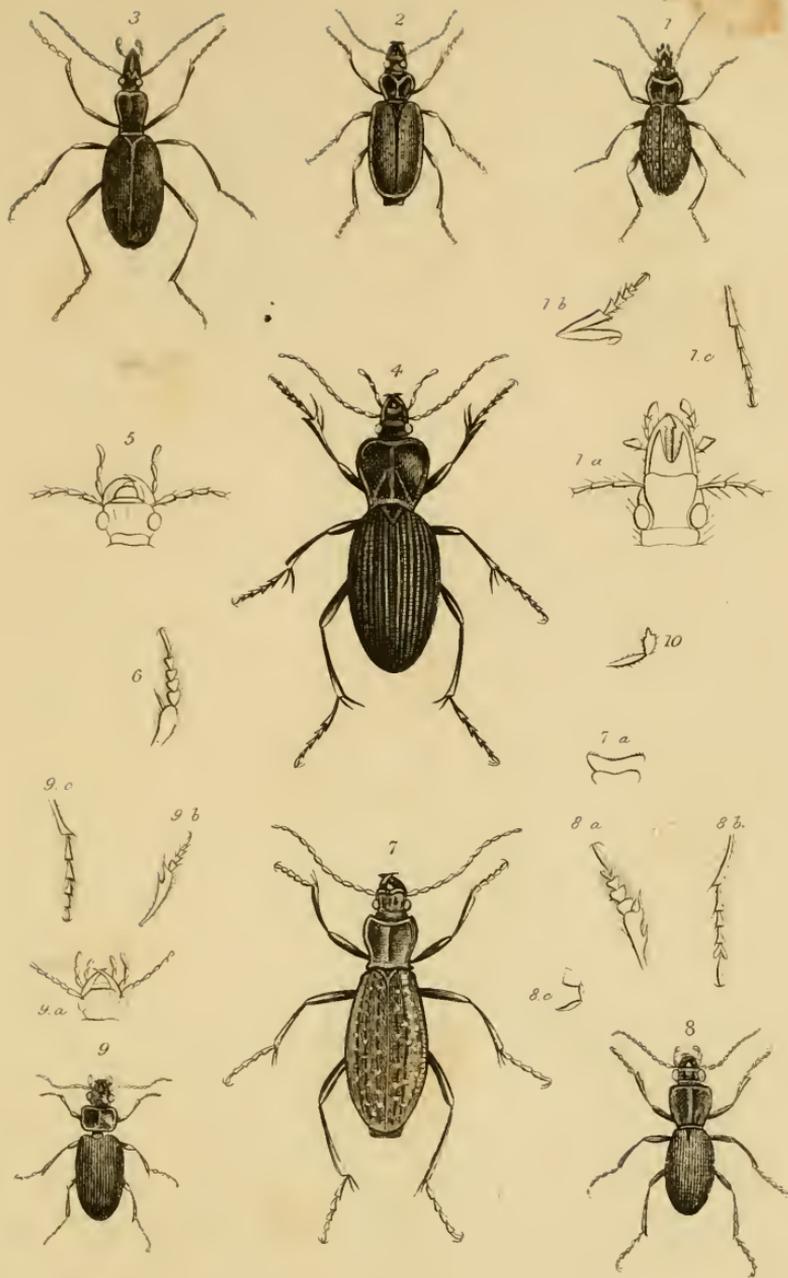


1. *Buprestis bicolor*; Lat. 2. Details of *Bup. gigas*. Fab. 3. *Buprubripennis*. 4. *Bup. Lalandii*. Guér. 5. *Aphanisticus emarginatus*. Lat. 6. *Trachys cruentata*. Fab. 7. *Melasis buprestoides*. Oth.



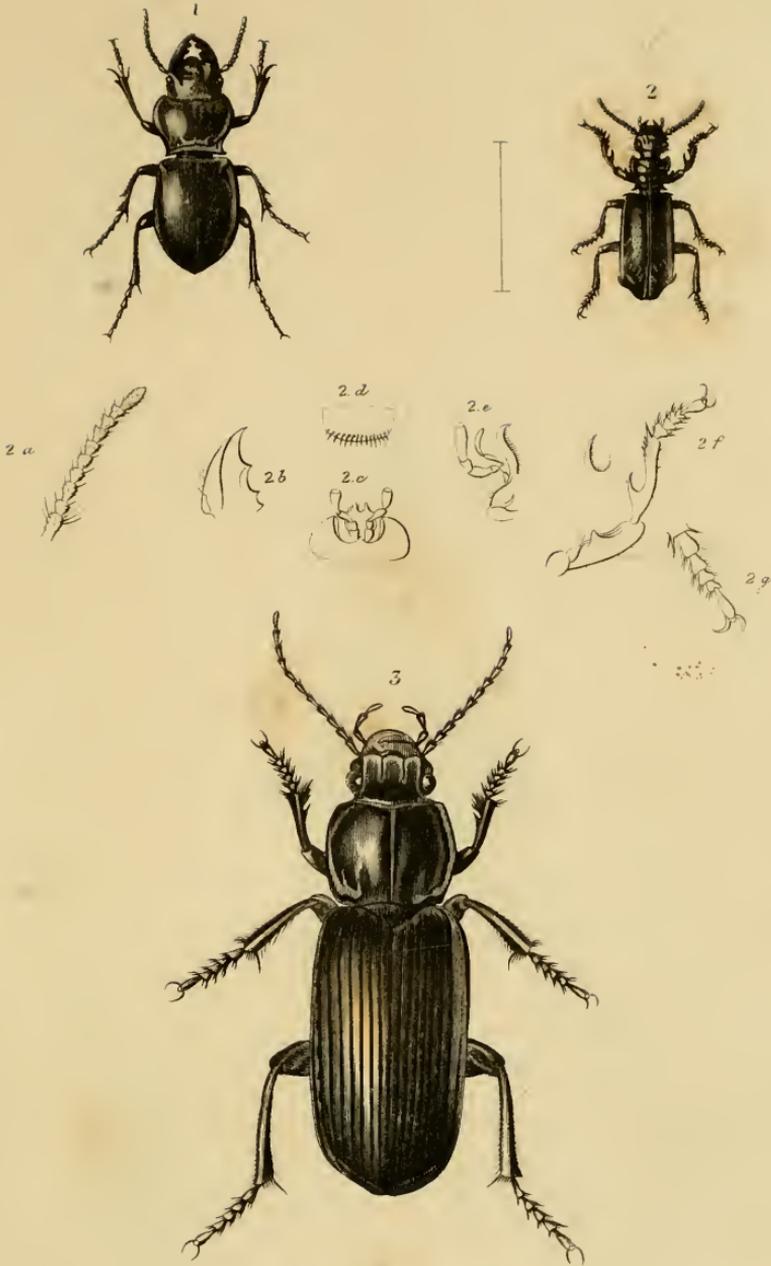






1. *Sphaeroderus nitidicollis*. Chevrol. 2. *Calosoma rufipennis*. Dg. 3. *Cychrus italicus*. Bonelli  
 4. *Pamboros alternans*. Lat. 5. Head of *Pogonophorus*. 6. Anterior tarsus of *Pelophilus*. 7. *Carabus rutilans*. Lat. 8. *Pelichium cyanipes*. Kirby. 9. *Masoricus luteatus*. Dg. 10. Maxillary palpi of *Bembidion*.





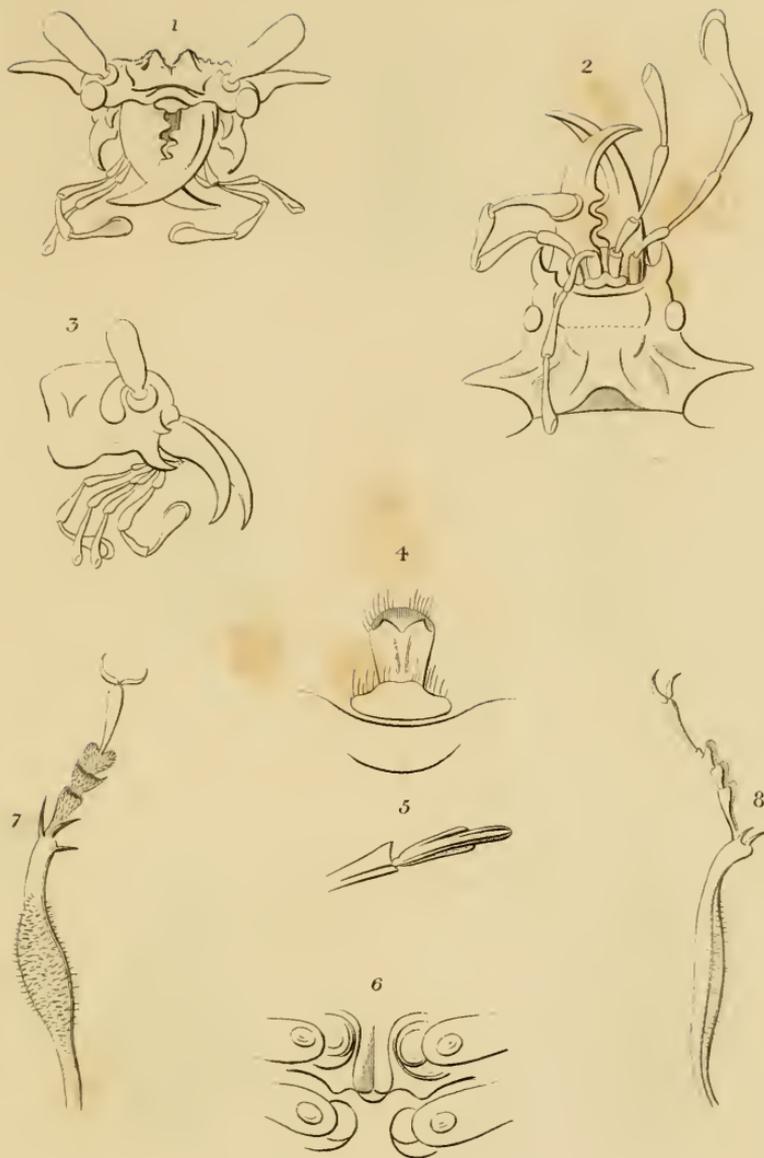
1. *Pasinaclus Mexicanus*. G.R. Gray. 2. *Goniotropis Brasiliensis*. G.R. Gray. 3. *Catadromus tenuibrivides* Mac Leay





1. *Anthia Burchellii*. Hope. 2. *Cordistes ancus*. G.R.Gray. 3. *Pleuracanthus sulcatus*. G.R.Gray. 4. *Orthogonius Hopi*. G.R.Gray. 5. *Aximophorus Brasiliensis*. G.R.Gray.

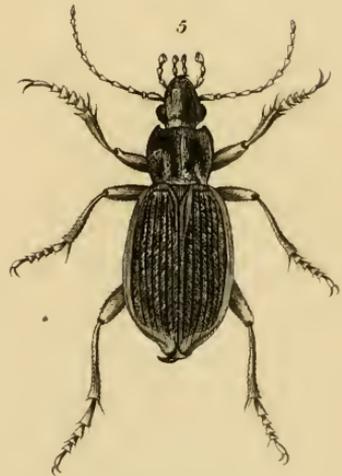
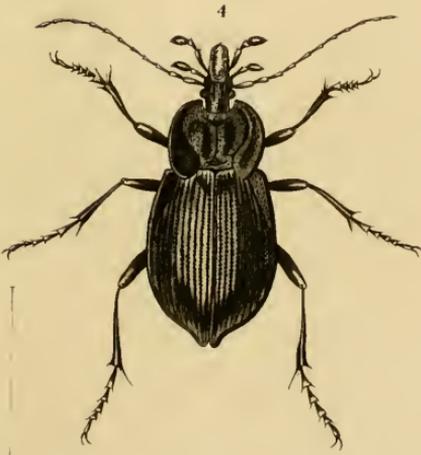
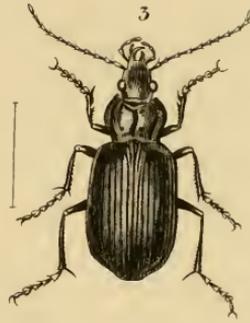




*I. O. Westwood, del.*

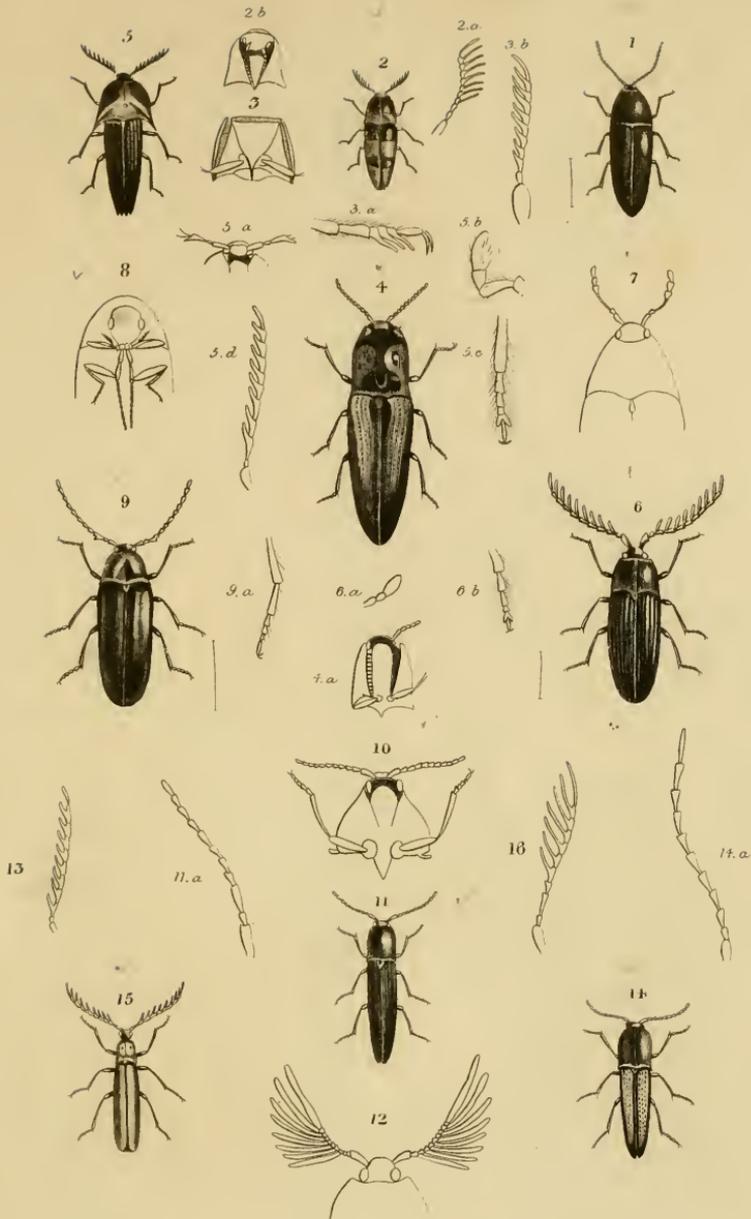
*Details of Psalidognathus Friendii.*





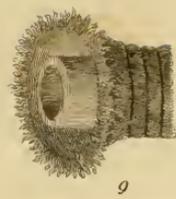
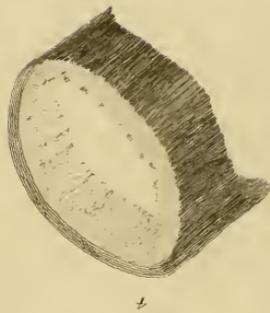
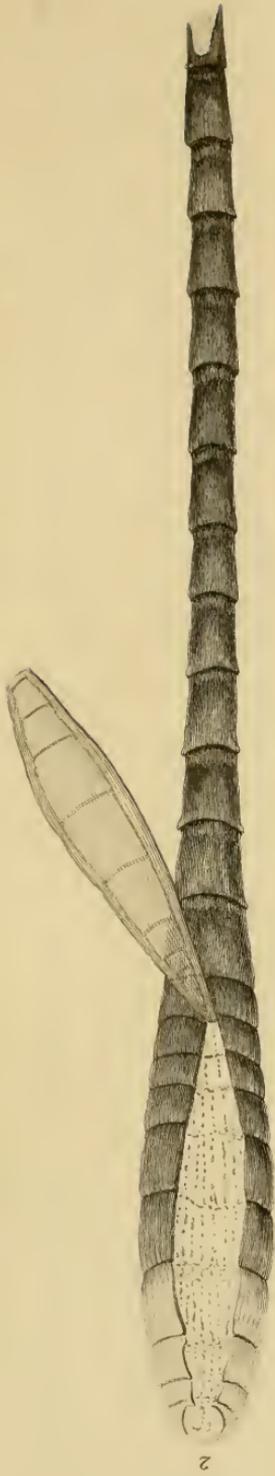
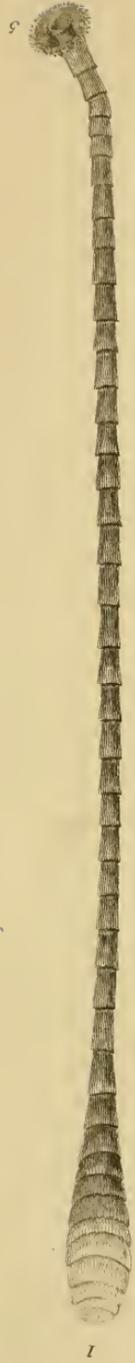
1. *Chemaecanthus gibbosus*. G. R. Gray. 2. *Pericatus cicindloides*. Mac Leay. 3. *Colpodes brunneus*. Mac Leay. 4. *Scaphinotus elevatus*. Latr. 5. *Epomis Goryi*. G. R. Gray.





1. *Eucnemis ruficornis*. Man. 2. *Pterotarsus histrio*. Latr. 3. Details of *Galba marmorata*. Guér. 4. *Ade-  
locera chubanni*. Guér. 5. *Pachyderes ruficollis*. Guér. 6. *Cerophytum dataroides* Latr. 7. *Tiroscus  
dennestoides*. Latr. 8. *Chelonarium undatum*. Latr. 9. *Cryptostoma denticornis*. Fabr. 10. Head and  
corset of *Loboderus monilicornis*. Guér. 11. *Nematodes filum*. Latr. 12. Head of *Hemirrhypus flabel-  
liformis* Latr. 13. Antenna of *Ctenicera hamatodes*. Latr. 14. *Elatер plagiatus*. Germ. 15. *Campytus denti-  
collis*. Fischer. 16. Antenna of *Phyllocerus flavipennis*. Dej.

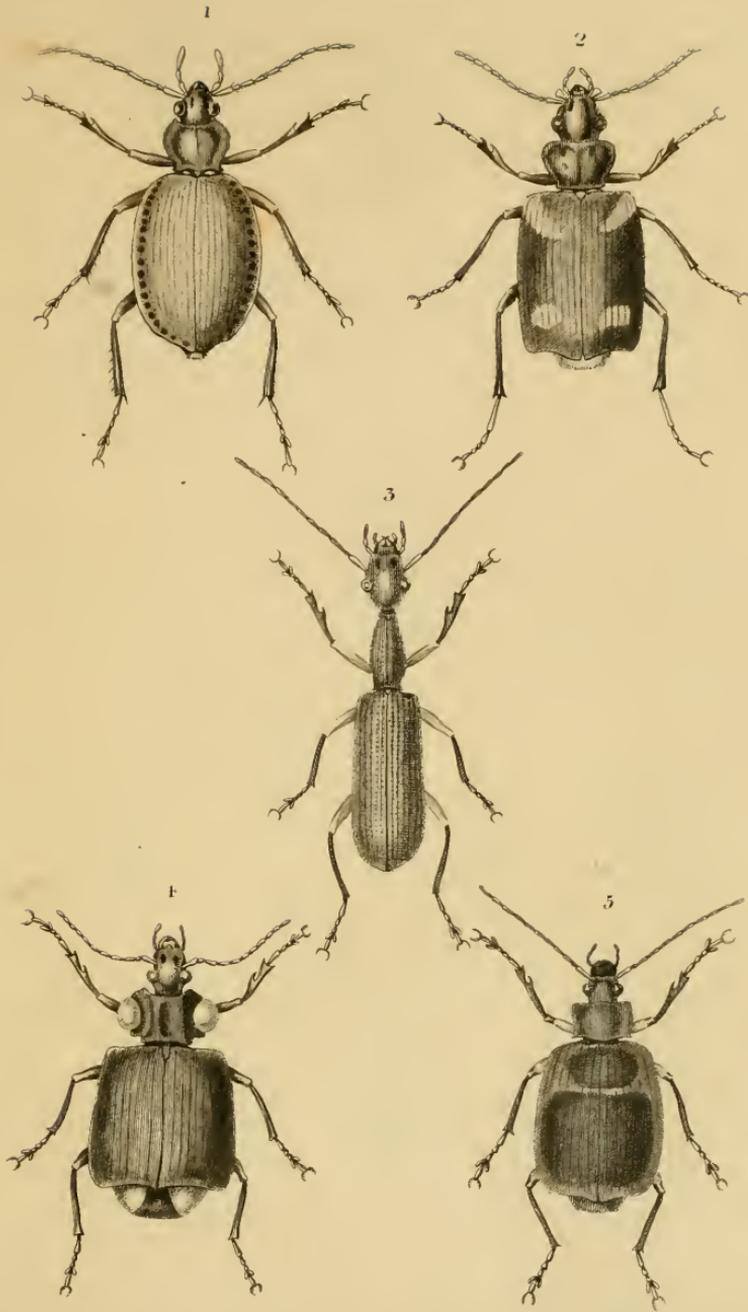




Antennae magnified. — PL I

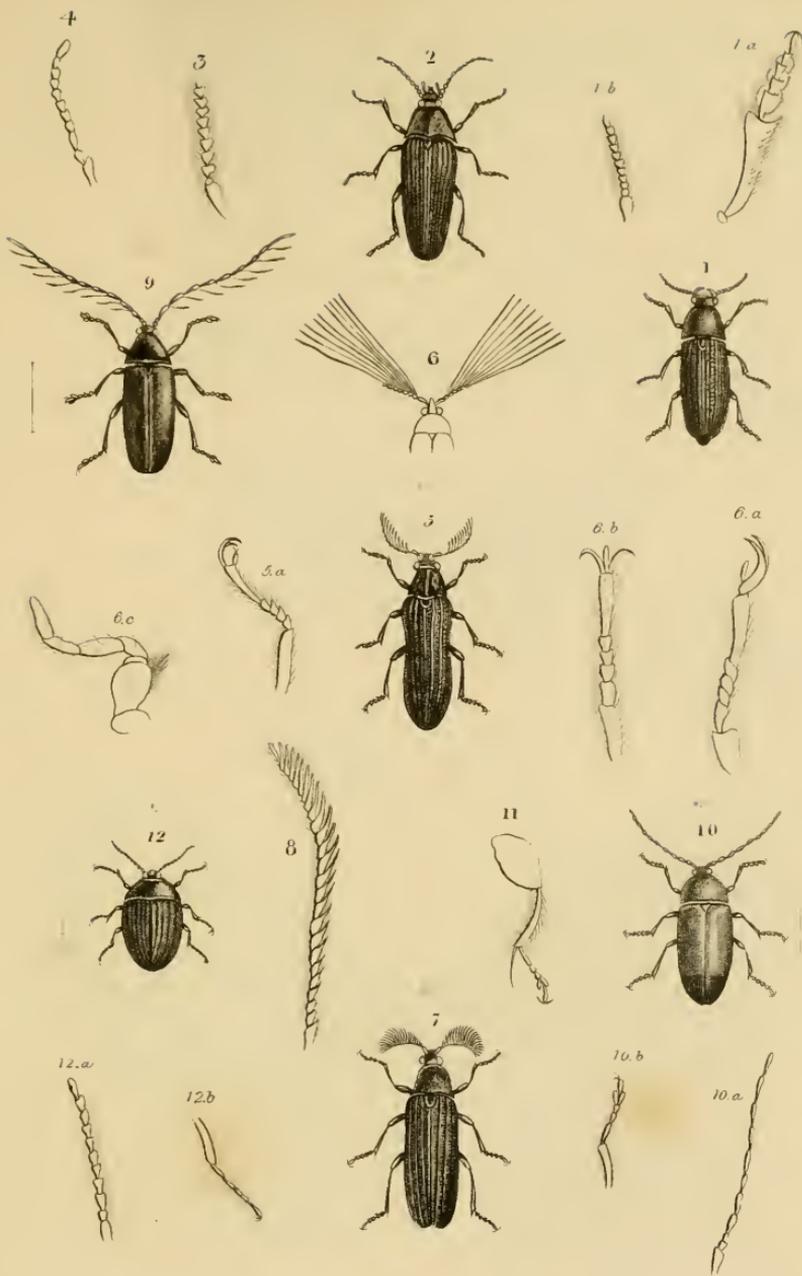
London, Published by Whitaker, C. & A. Nisbet, Lane 183





1. *Loxocrepis ruficeps*. 2. *Plochiomus fnotatus*. 3. *Rhagoerepis Riedtii*.  
 4. *Physodera Dejeanii*. 5. *Lia dorsalis*.





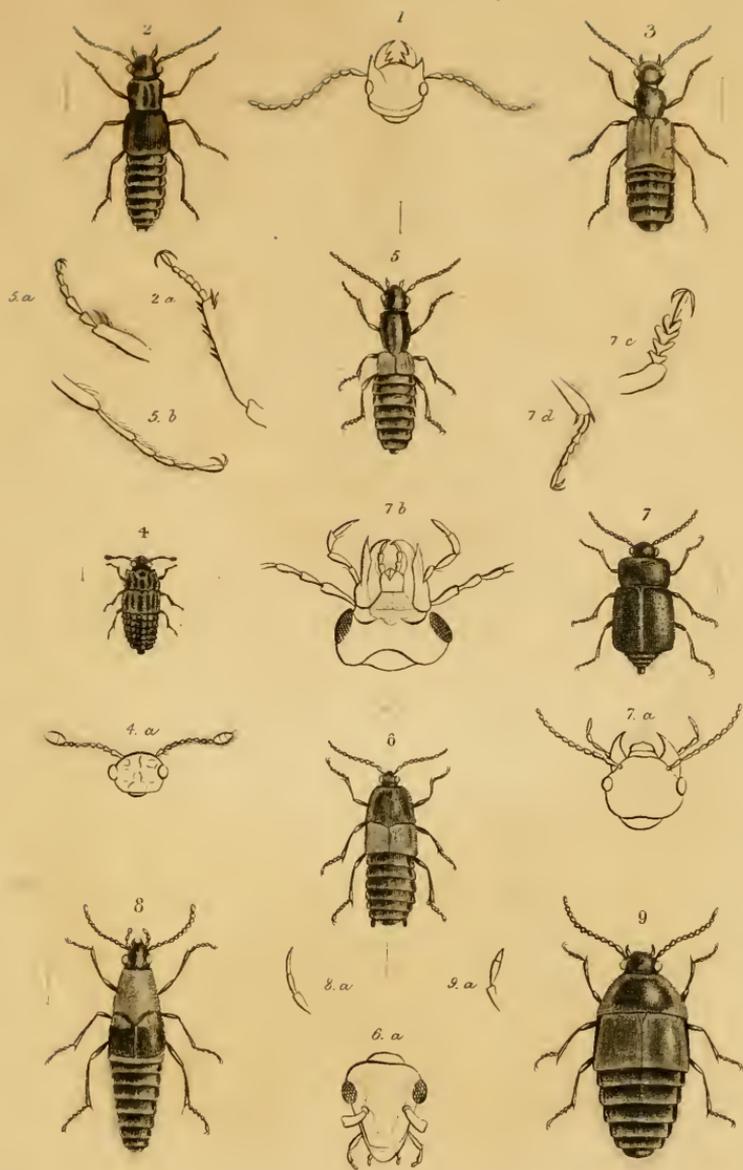
1. *Physodactylus Henningii*, Fisch. 2. *Cebrio thersites*, Gory. 3. Ant. of *Cebrio glajus*, Faw. 4. Ant. of *Anelastes Drurii*, Koby. 5. *Callirhipis Goryi*, Guarin. 6. Elytra of *Call. Dejeani*, Lat. 7. *Rhipicera cayana*, Guyc. 8. Ant. of *Rhipim*. 9. *Ptilodactyla daterua*, Imp. 10. *Elodes pallidus*, Lat. 11. Post. tarsus of *Scyrtes*. 12. *Eubriapalustris*, Germ.





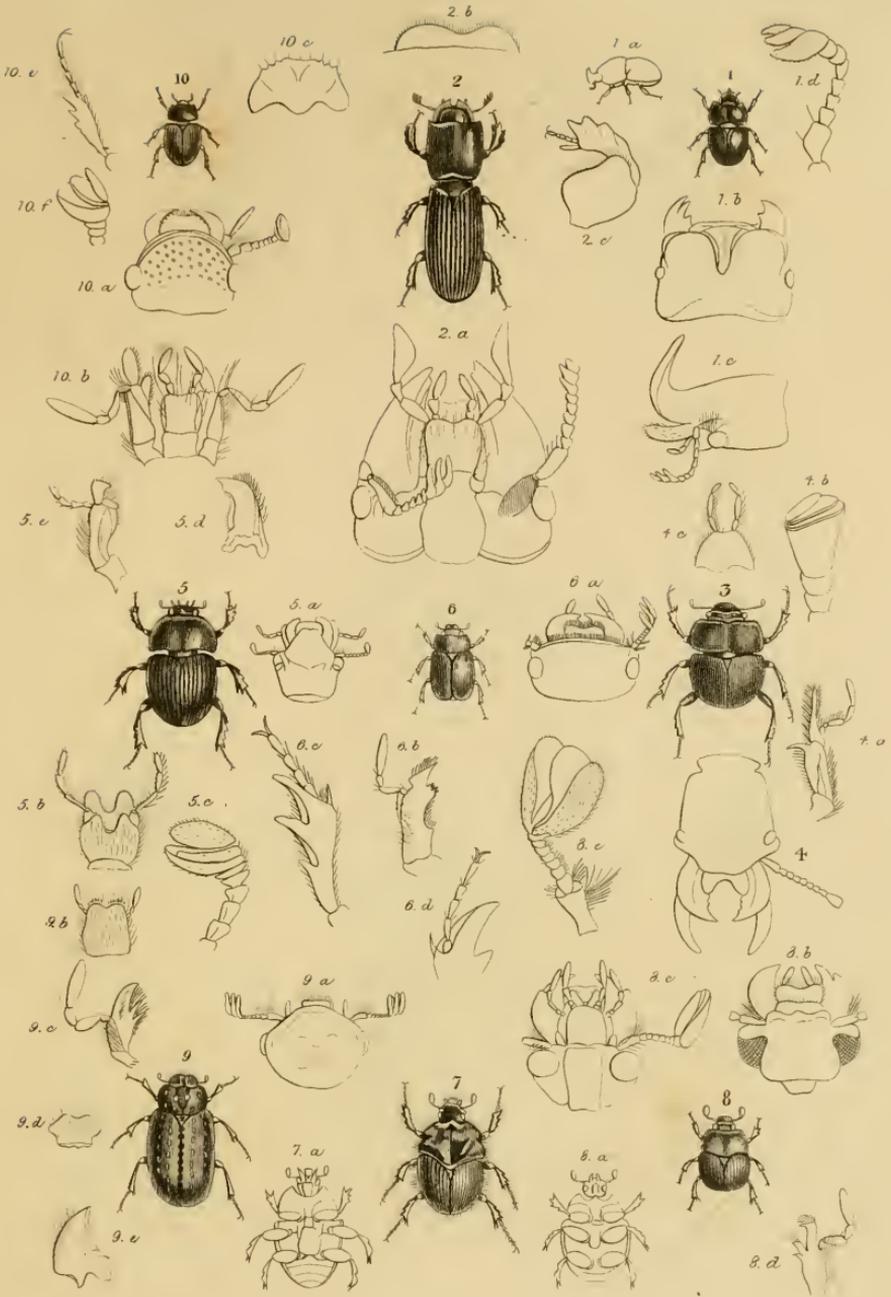
1. *Pieris thiria*. God. 2. Caterpillar & chrysalis of *Pieris brassicae*. L. 3. *Heliconia Langsdorfi* God. 4. *Denáida avice*. God.





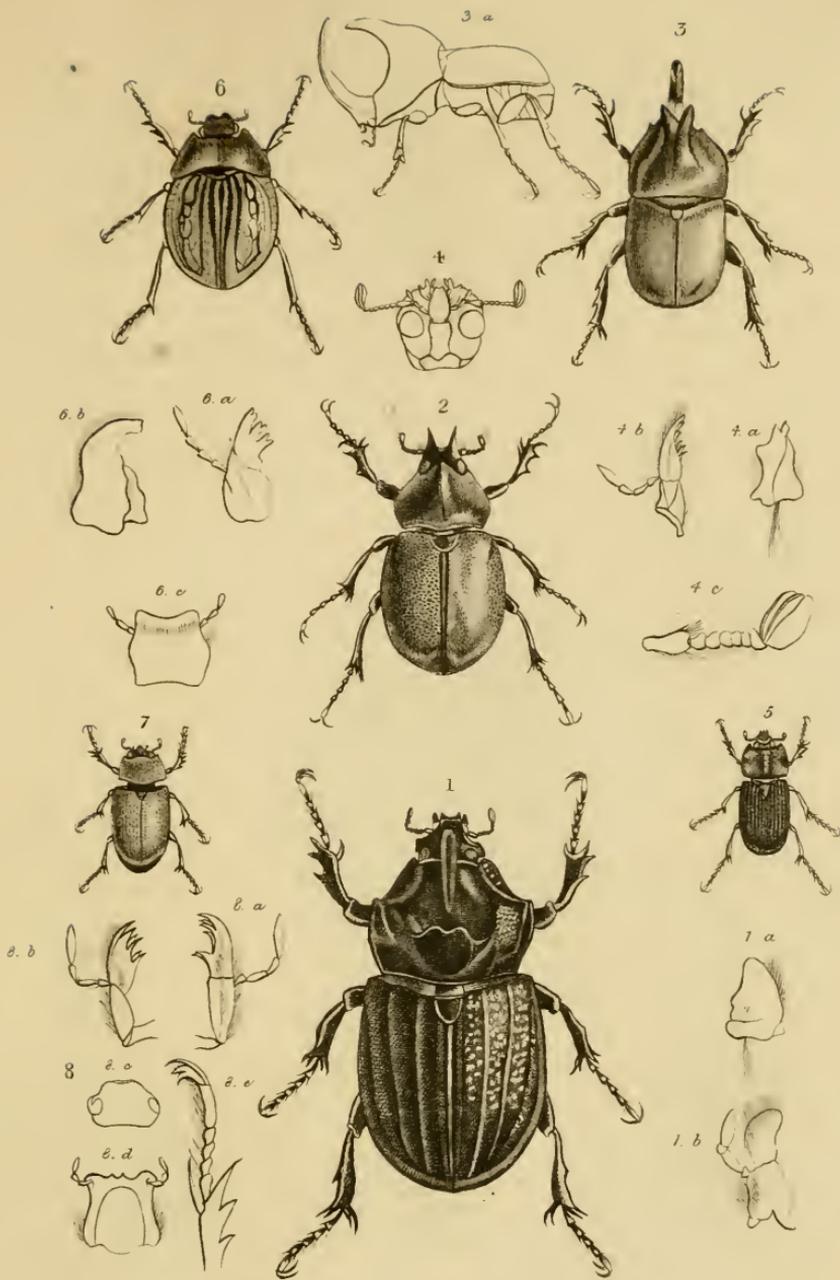
Head of *Prognatha rufipennis*. Lat. 2. *Coprophilus rugosus*. Grav. 3. *Lesteva dichroa*. Lat. 4. *Micropeplus mallei*. Dej. 5. *Aleochara canaliculata*. Fab. 6. *Lomechusa paradoxa*. Grav. 7. *Onalium blattoides*. Grav. 8. *Tachinus atricapillus*. Fab. 9. *Tachiporus marginatus*. Grav.





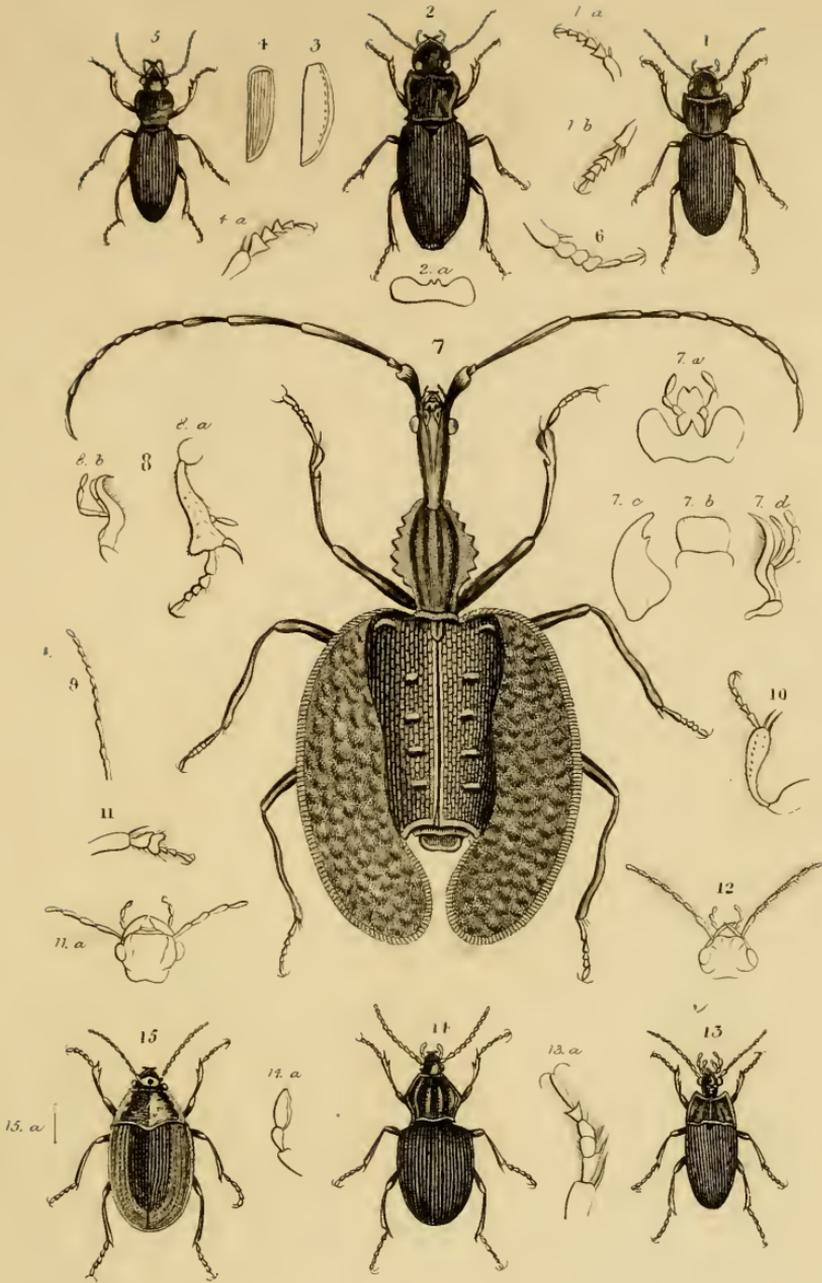
1. *Ægialia cornifrons*. Guér. 2. *Chiron grandis*. Gory. 3. *Lethrus Eversmannii*. Faldern  
 4. Details of *Lethrus cephalotes*. Fabr. 5. *Geotrupes Blackburnii* Fab. 6. *Ochodeus rufus*. Guér. 7. *Athyreus castaneus*. Guér. 8. *Bolboceras fulvipes*. Gory. 9. *Trox*. Egger. Guér.  
 10. *Hybosorus arator*. Fabr.





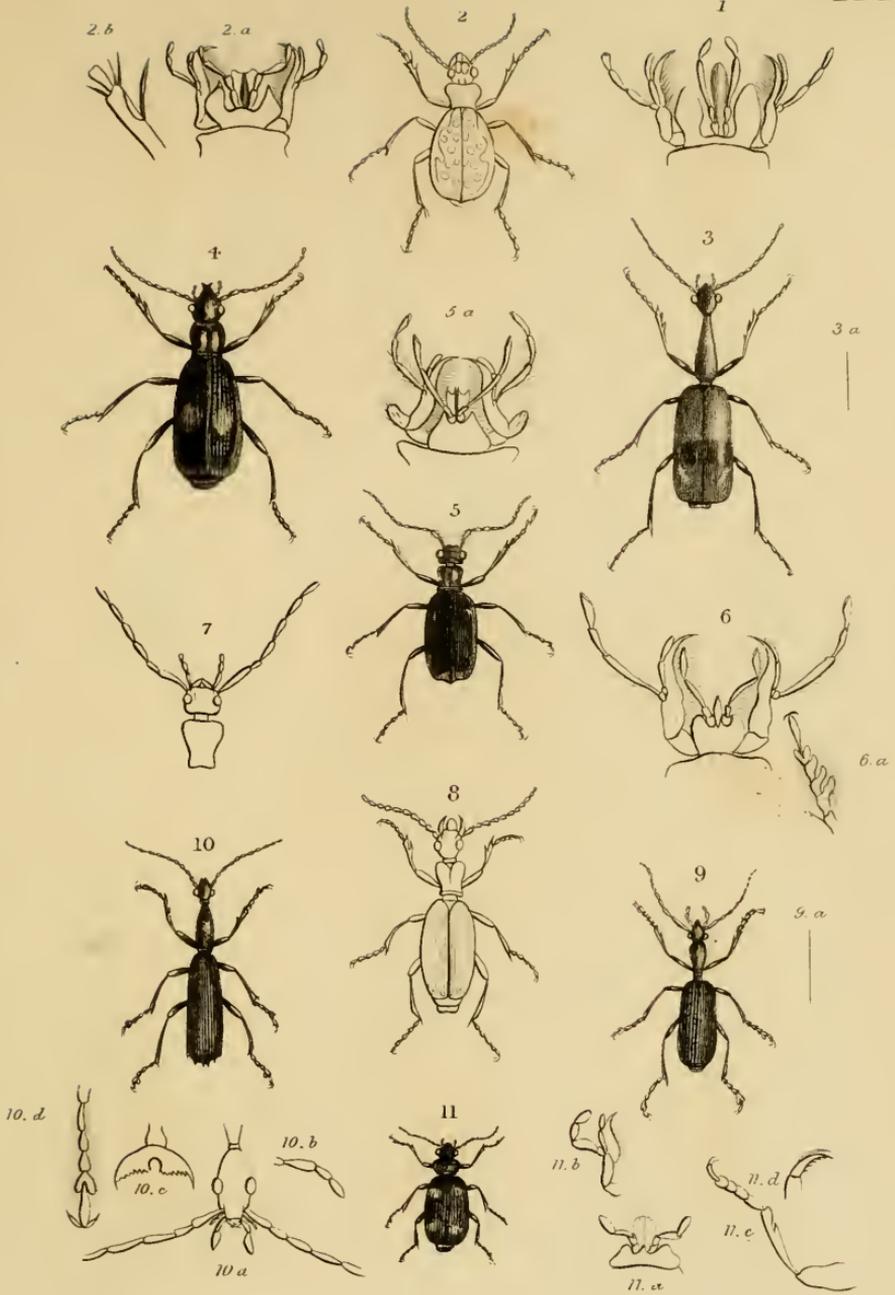
1. *Oryctes Chevrolatii*. Guer. 2. *Agacephala furecata*. Guer. 3. *Scarabaeus menton*. Guer.  
 4. Details of *Sc. gedeon*. Fabr. 5. *Phileurus cribralus*. Chev. 6. *Hexodon reticulatus*.  
*Olivier*. 7. *Cyclocephala frontalis*. Chev. 8. Details of *Cycl. geminata*. Fabr.





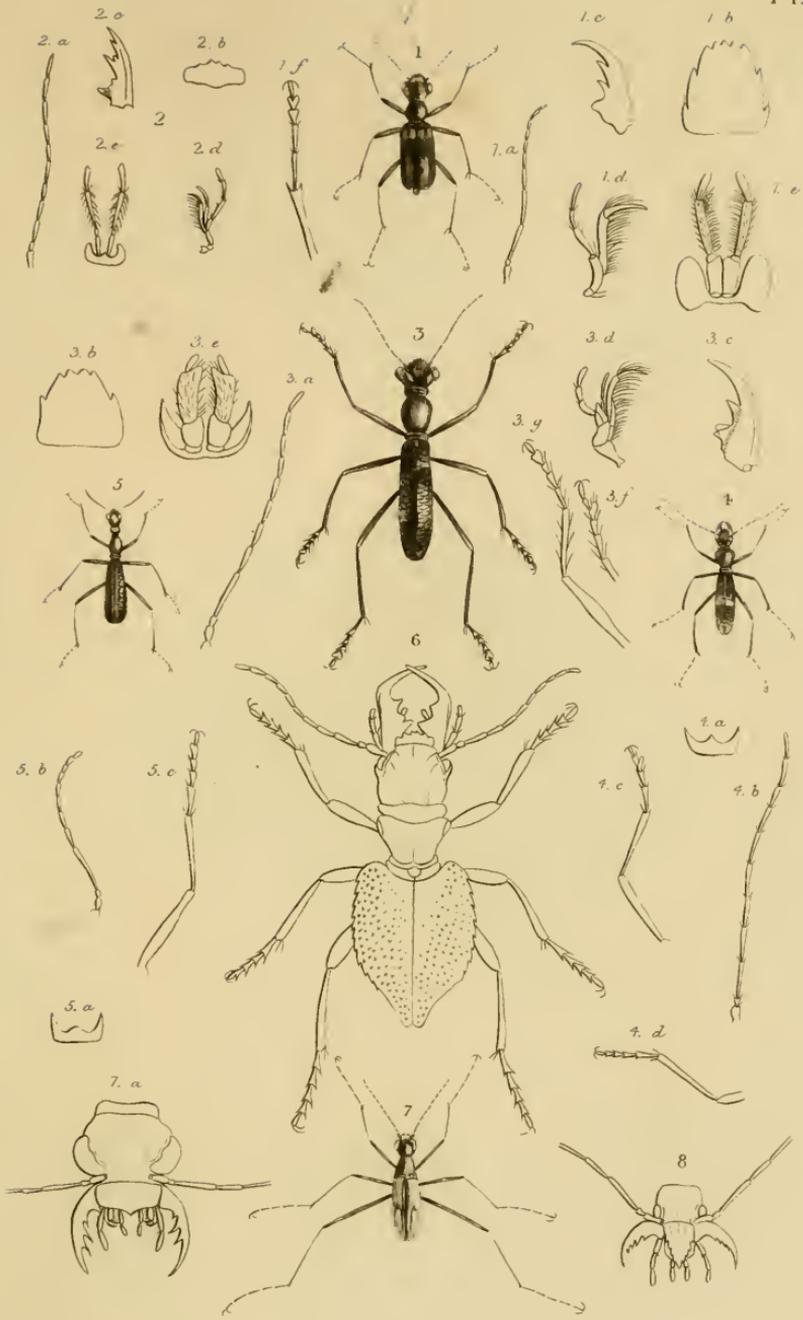
1. *Harpalus tricolor*. Guer. 2. *Trigonotoma viridicollis*. Dej. 3. Elytra of *Feronia navarica*. Lat. Elytra and tarsus of *Feronia melanaria*. Lat. 5. *Cephalotes rufipes*. Lat. 6. Ant. tarsus of *Paltochus rufipes*. Male. 7. *Mormolyce phyllodes*. Hag. 8. Ant. tarsus & jaw of *Zabrus gibbus*. Lat. 9. Antenna of *Sphodrus terricola*. Lat. 10. Ant. tarsus of *Feronia hollentota*. Lat. 11. Ant. tarsus & Head of *Licinus agricola*. Male. 12. Head of *Loricera pilicornis*. Lat. 13. *Cynthia abaxoides*. Lat. 14. *Panagæus fulvipennis*. Lat. 15. *Omophron suluratis*. Guer.





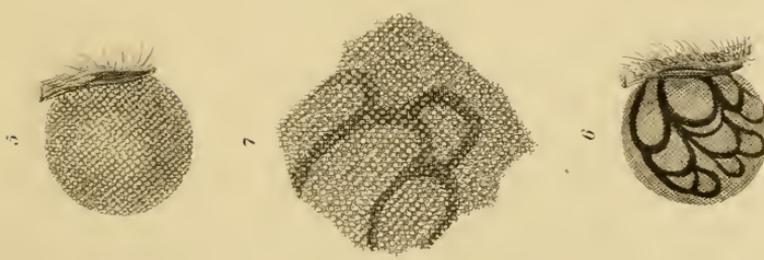
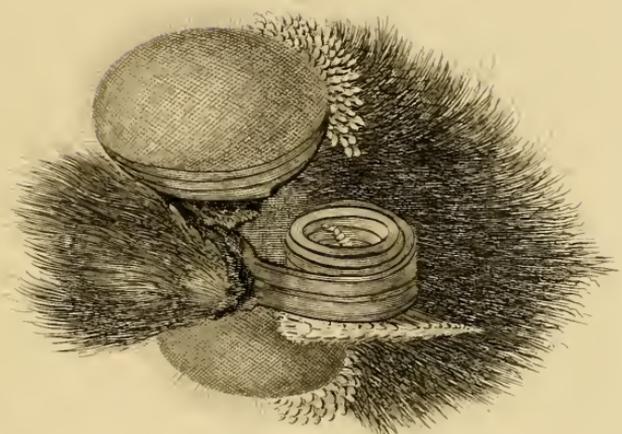
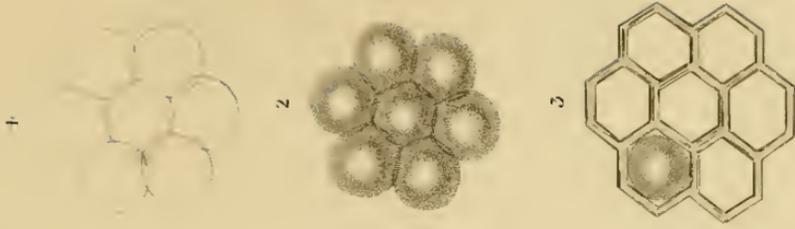
1. Mouth of *Anthia 10 guttata*. Latr. 2. *Craplipterus multiguttatus*. Latr. 3. *Casnonia Senega-  
lensis*. St Farg et Serv. 4. *Brachinus Jurina*. Dej. 5. *Trichognathus marginatus*. Latr. 6. Mouth  
and tarsi of *Galerita americana*. Latr. 7. Head & corselet of *Zuphiuma olus*. Latr. 8. *Helluo  
costatus*. Latr. 9. *Driptaruficollis*. Dej. 10. *Agra splenitida*. Latr. 11. *Lebia flavomaculata*. Cur.





1. *Therates basalis*. d'Urv. 2. Details of *Megacephala carolina*. Latr. 3. *Tryeondyla aptera*. Latr. 4. *Clenostoma Ichneumonum*. Dej. 5. *Colluris modesta*. Dej. 6. *Mantichora macillosa*. Latr. 7. *Ciciudela tenuipes*. Guex. 8. Head of *Oxycheila tristis*. Dej.

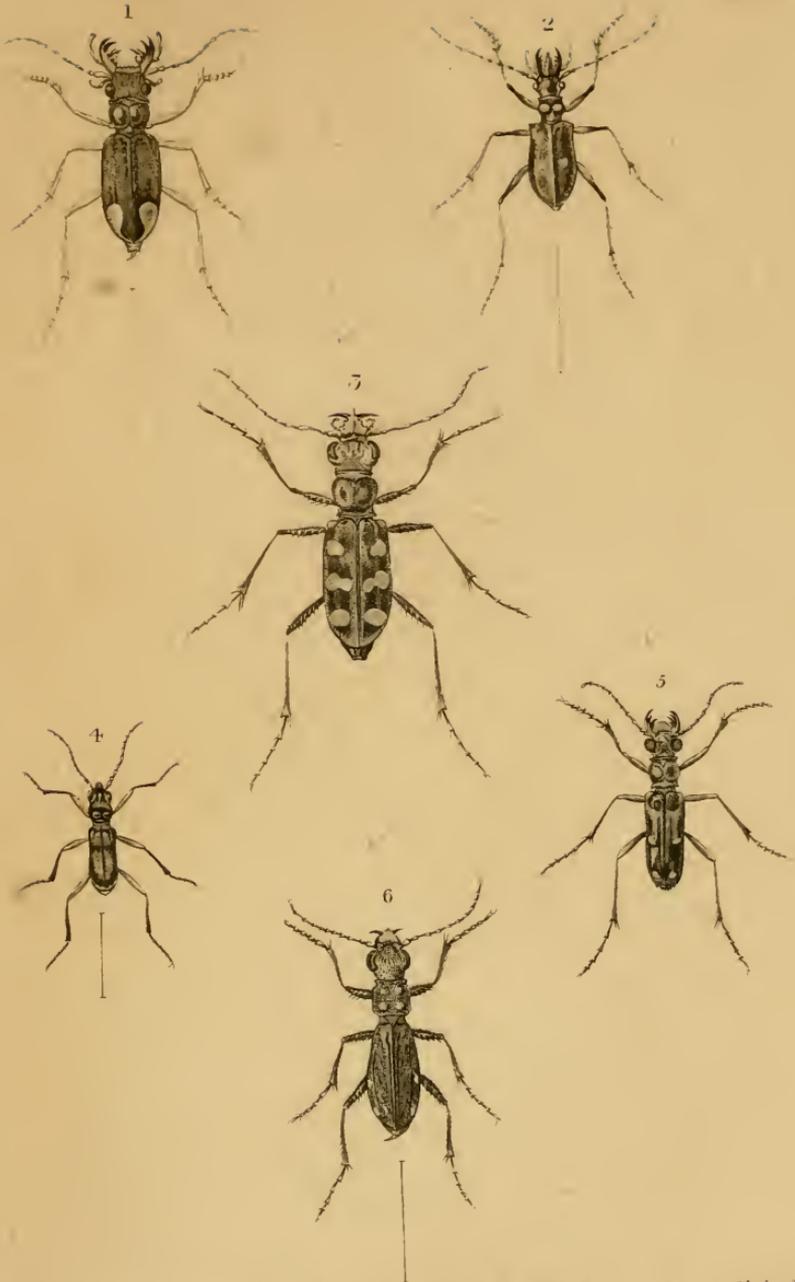




Compound eyes of insects Pl. 1

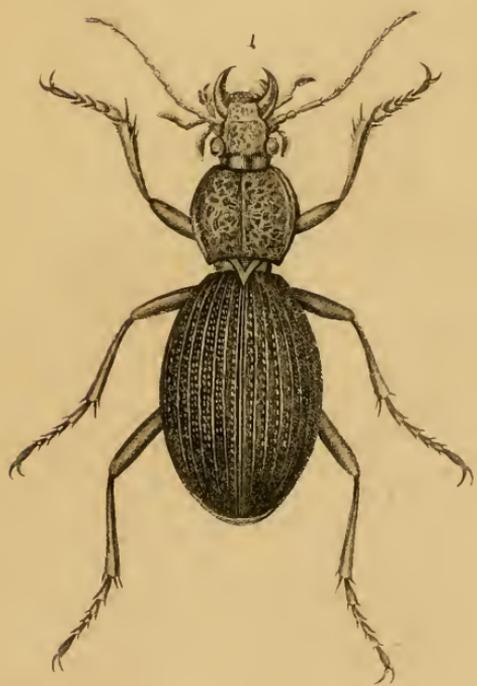
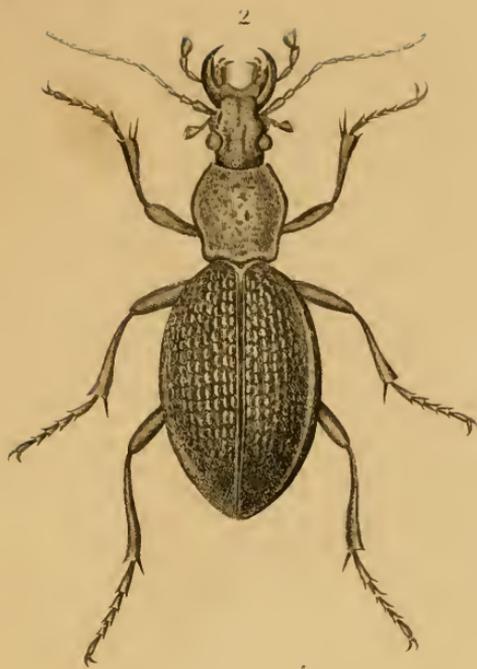
*Plate 28. Compound eyes of insects. Pl. 1.*





1. *Megacephala Mexicana*, G.R. Gray. 2. *Oxycheila binotata*, G.R. Gray. 3. *Cicindela octonotata*, Wölbm. 4. *Iresia Lacordairei*, Dej. 5. *Euprosopus quadrinotatus*, Lat. 6. *Dromica tuberculata*, Hope.



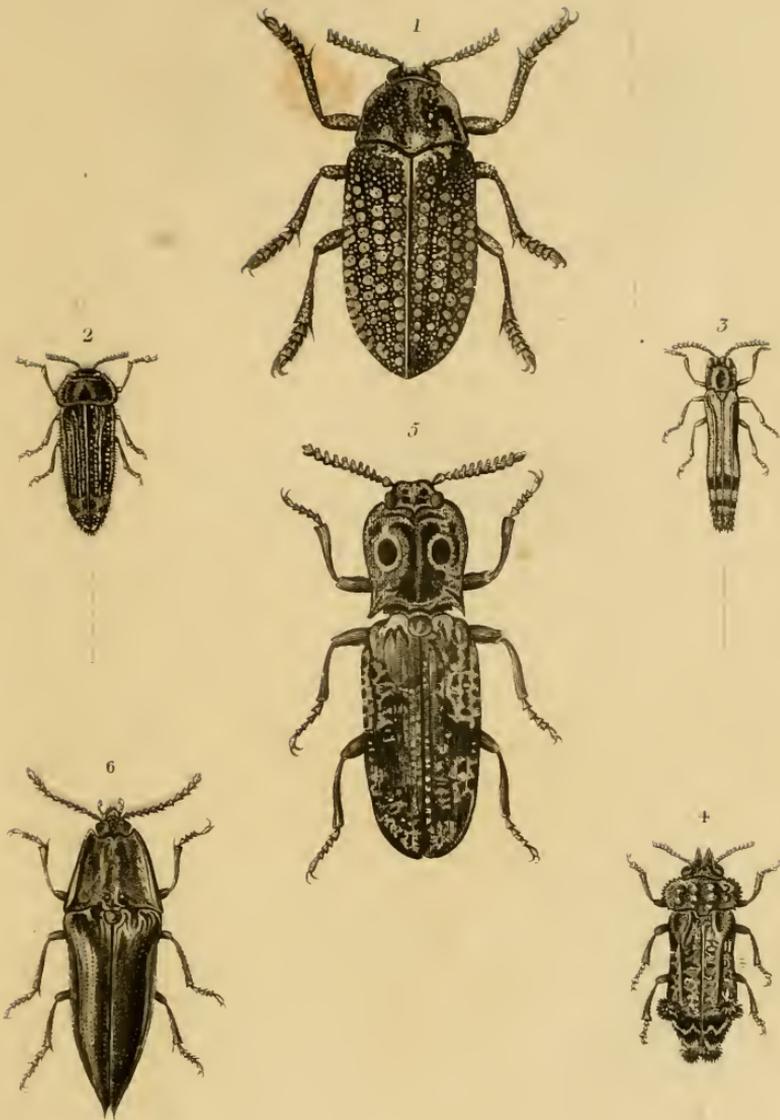


Ed. M. d. de

1. *Teflus Megerlei*. Leach.

2. *Procerus Olivieri*. Dej.





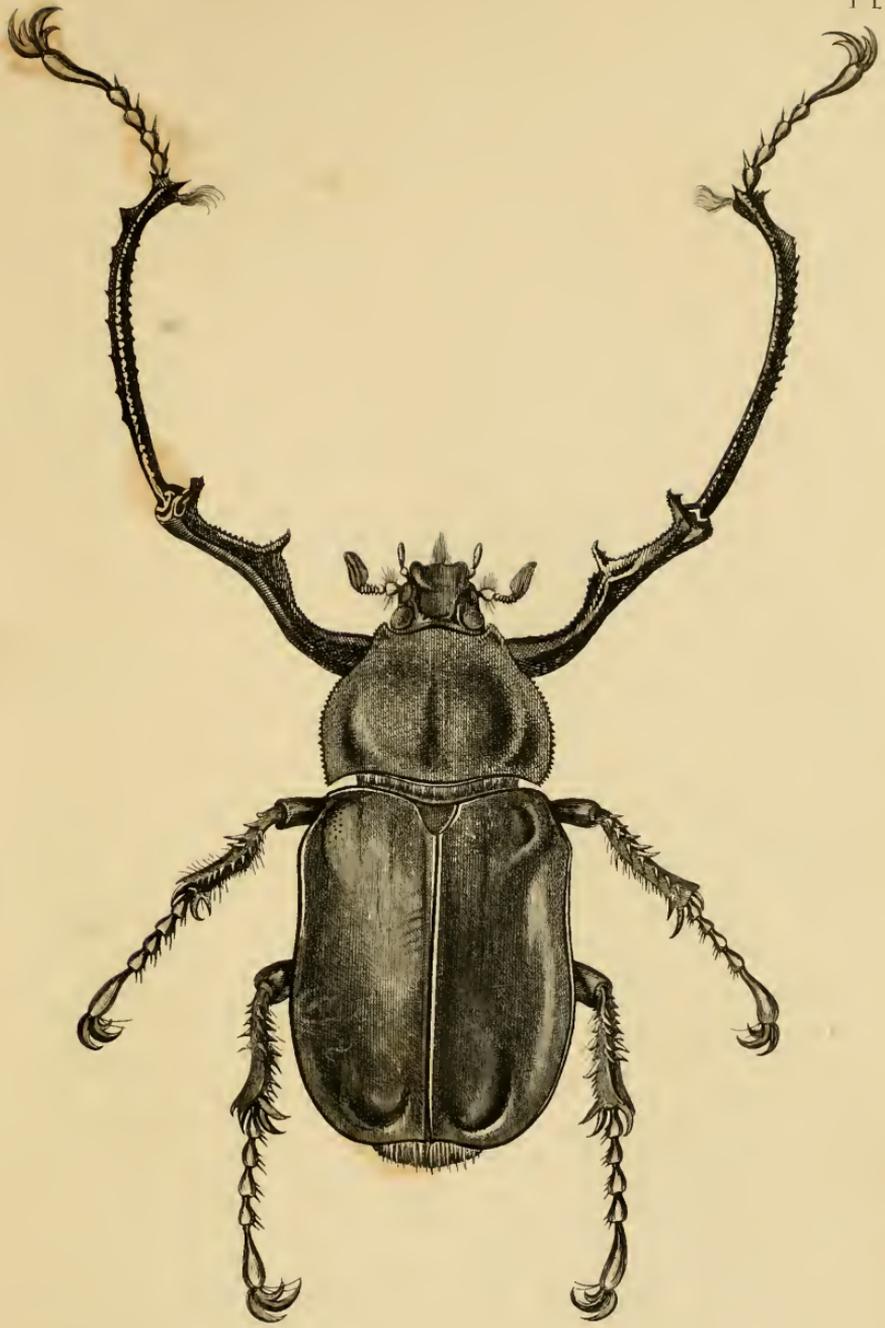
1. *Buprestis Whitcilli*. Hope. 2. *Buprestis flavomarginata*. G. R. Gray.  
 3. *Buprestis bifasciata*. G. R. Gray. 4. *Buprestis penicillata*. Kuhl. 5. *Ela-  
 ter lusciosus*. Hope. 6. *Elaeter aurcolus*. Hope.





1. *Colymbetes marmoratus*. Hope. 2. *Colymbetes Lowei*. G. R. Gray. 3. *Schizochilus brasiliensis*. G. R. Gray. 4. *Zirophorus coriaceus*. Lacord. 5. *Trichocoryne striatula*. G. R. Gray.



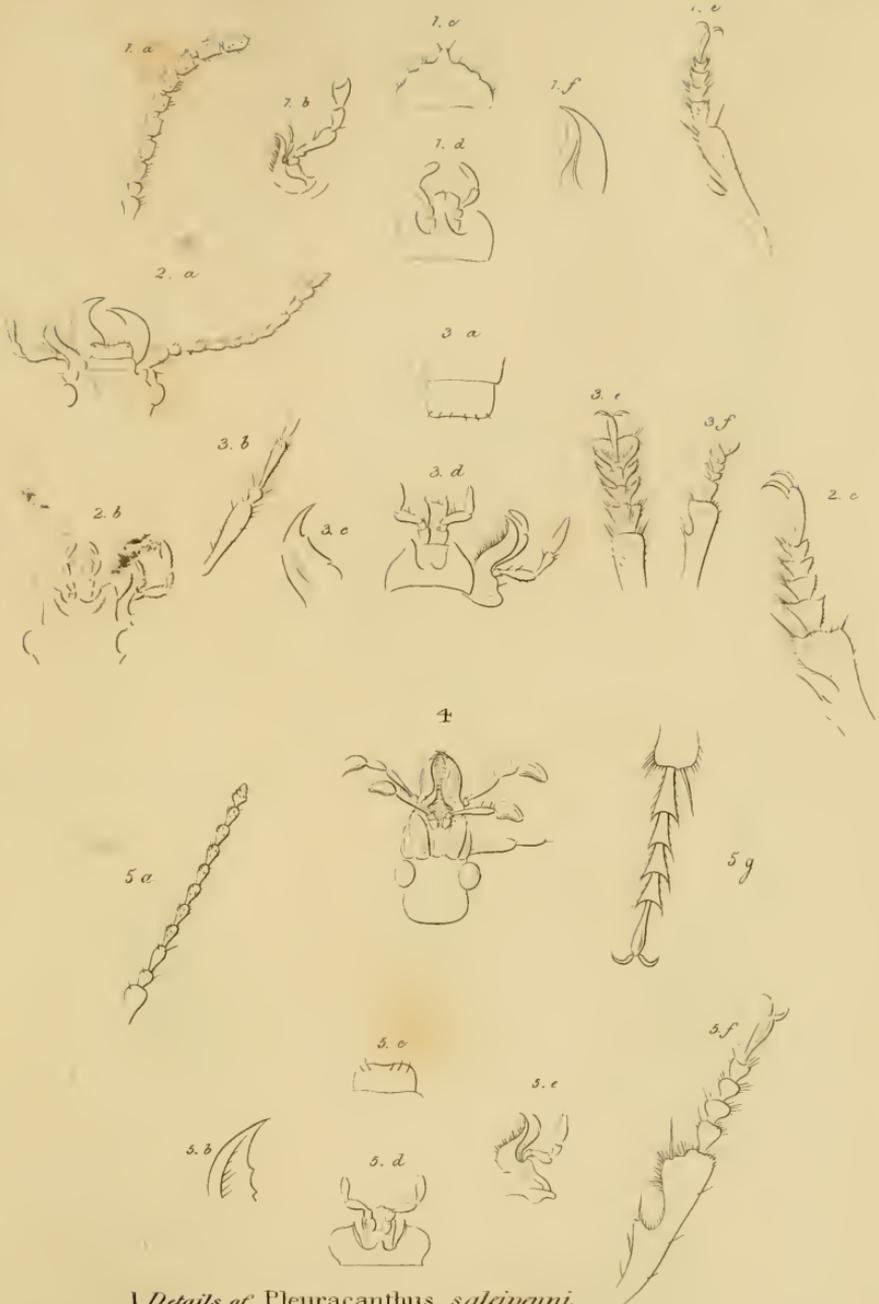


I. D. Westwood del<sup>t</sup>  
Brit. Mus.

J. Bull. sculpsit

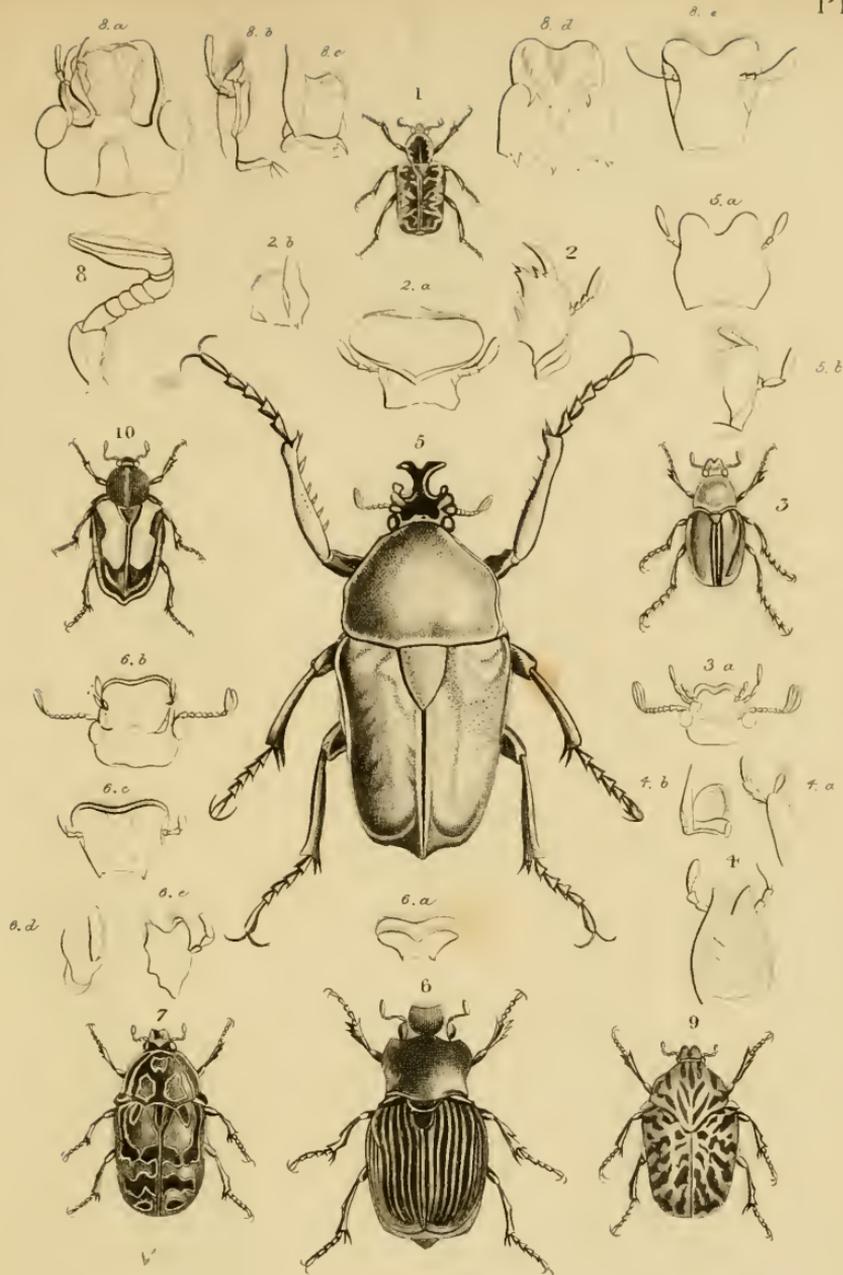
*Geotrupes longimanus.*





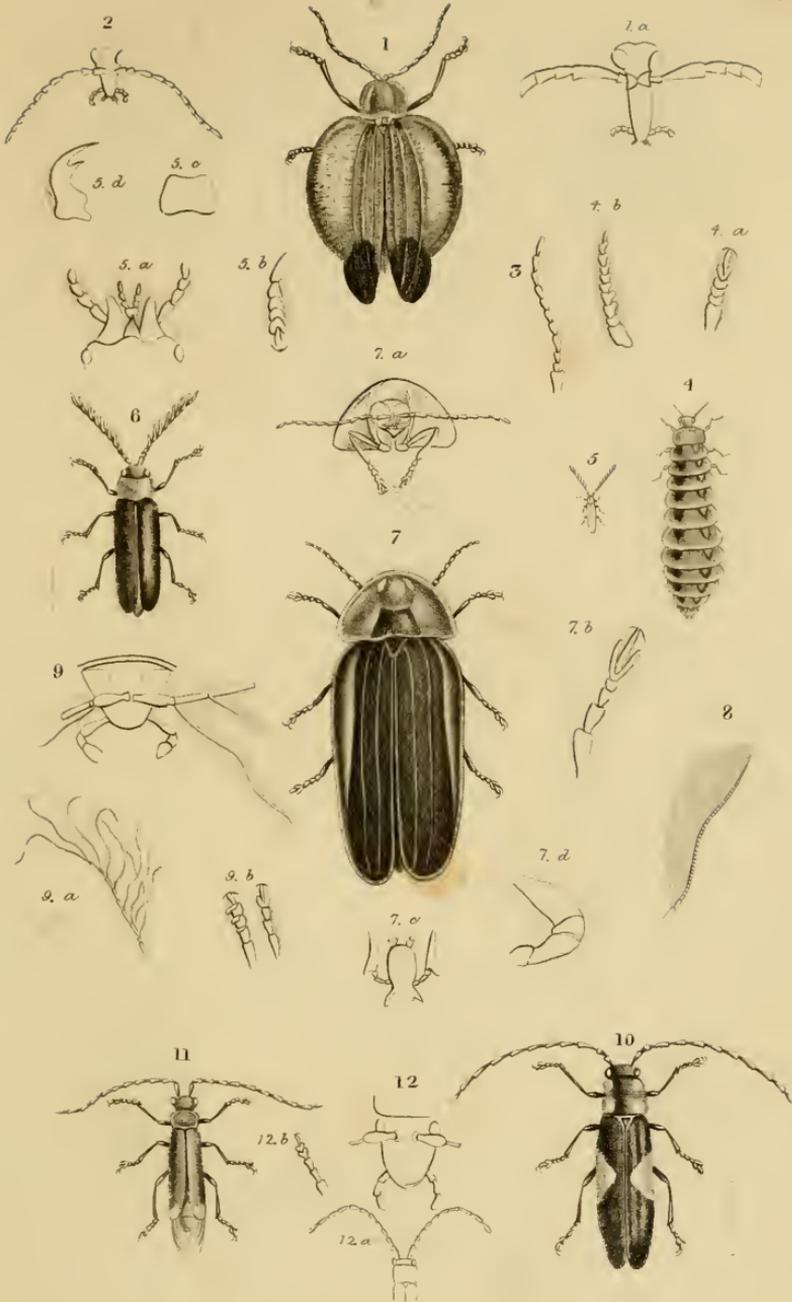
1. Details of *Pleuracanthus salipani*.  
 2. \_\_\_\_\_ *Axinophorus Brasilensis*.  
 3. \_\_\_\_\_ *Cordistes auctus*.  
 4. \_\_\_\_\_ *Scaphinotus elevatus*.  
 5. \_\_\_\_\_ *Cnemacanthus gibbosus*.





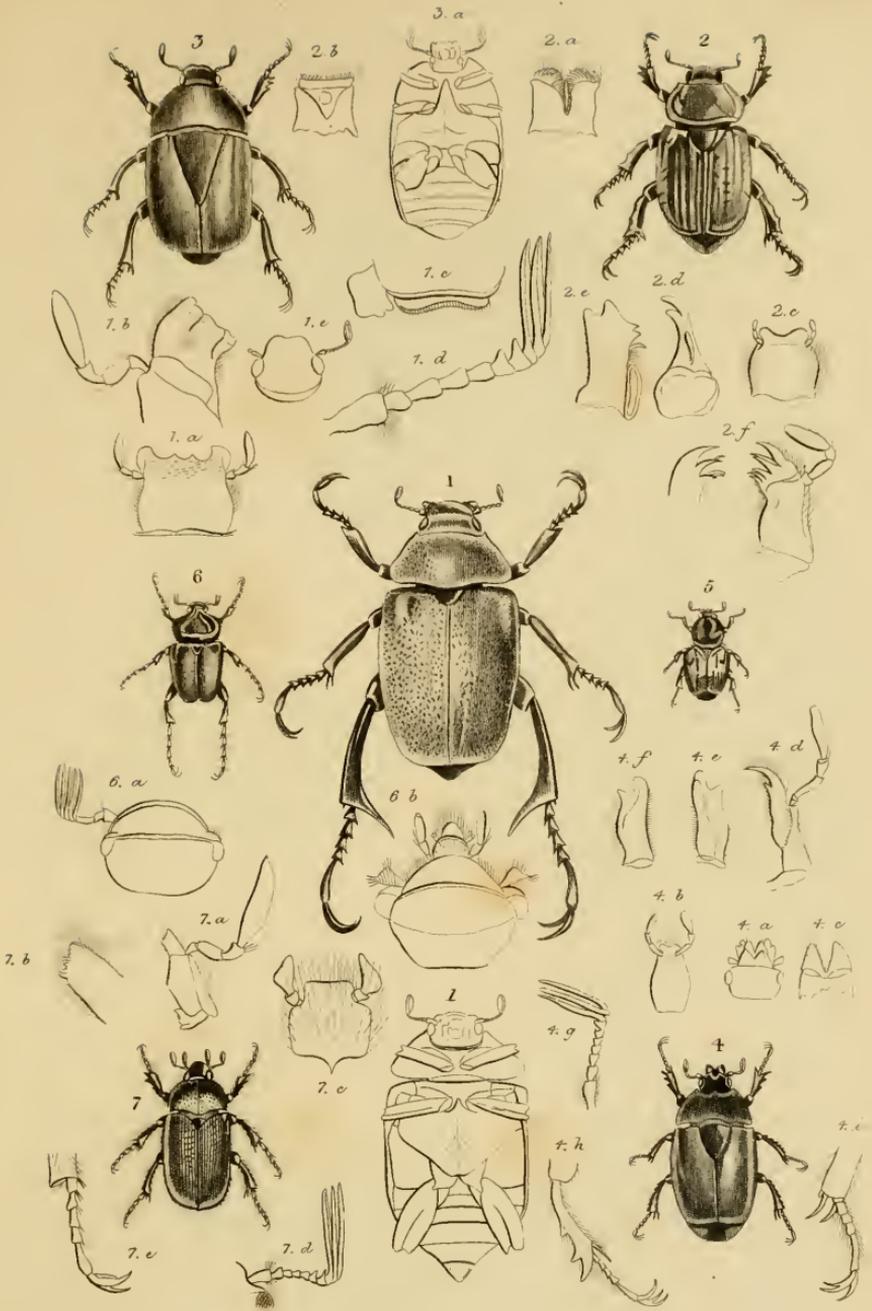
1. *Cre mastocheilus hirtus*, Gory & Pach. monogr. 2. Details of *Cre mast. longu-*  
*tus*, Oliv. 3. *Trichius zebra*, Oliv. 4. Details of *Trich. fasciatus*, F. 5. *Goliath mi-*  
*cans*, G & P. Oliv. 6. *Platygenia zairica*, Mac. Leay. 7. *Cetonia Buxii* G & P. 8. De-  
 tails of *Cet. aurata*, F. 9. *Gymnetis nervosa*, G & P. 10. *Macronota aegyptia*, G & P.





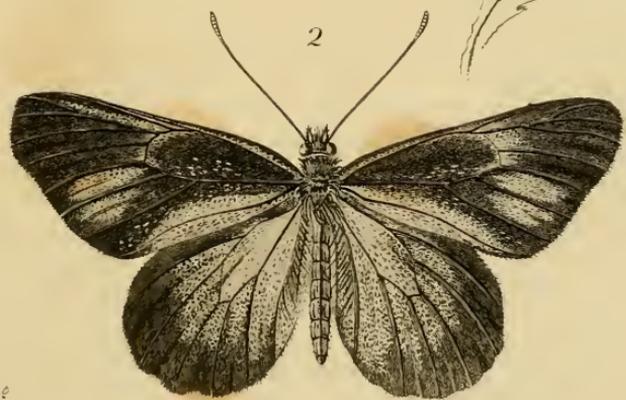
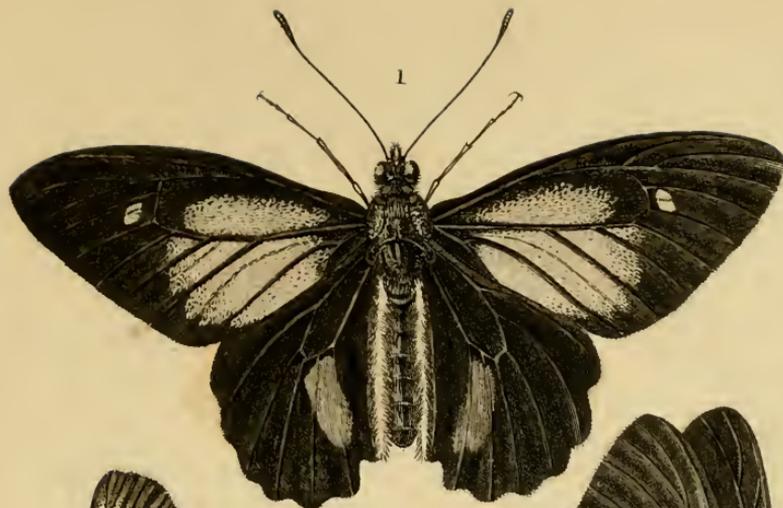
1. *Lycus latissimus*, Fab. 2. Head of *Dictyoptera sanguinea*, Lat. 3. Antenna of *Omalisus saturata*, Geoff. 4. *Drilus flavescens*, Tem. 5. Id. male. 6. *Drilus ruficollis*, Dej. 7. *Lampyris Savignyi*, Kirby. 8. Antenna of *Armydetes*, Hoff. 9. Details of *Cladophorus ruficollis*, Guér. 10. *Silis tricolor*, Guér. 11. *Malthinus biguttatus*, Oliv. 12. *Cordylocera antennata*, Guér.





1. *Chrysophora chrysochlora*. Lat. 2. *Rutelanitidissima*. Guér. 3. *Maccaspis splendida*. Fab. †. *Chasmodia brunnea*. Sav. & S! Farg. 5. *Ometis pictus*. Guér. 6. *Pachypus excavatus*. Fab. 7. *Amblyteres geminatus*. Mac Leay.





I. O. Westwood. del.

I. B. Smith. sculp.

1. *Papilio Childreus*. G.R. Gray. 2. *Pieris Euterpe Swainsoni*. Gray.



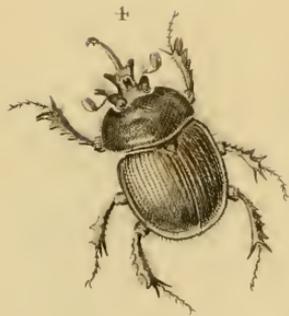
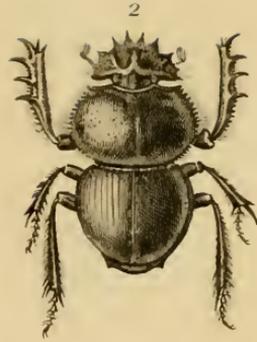


L. Westwood. del.

L. Bull. sc.

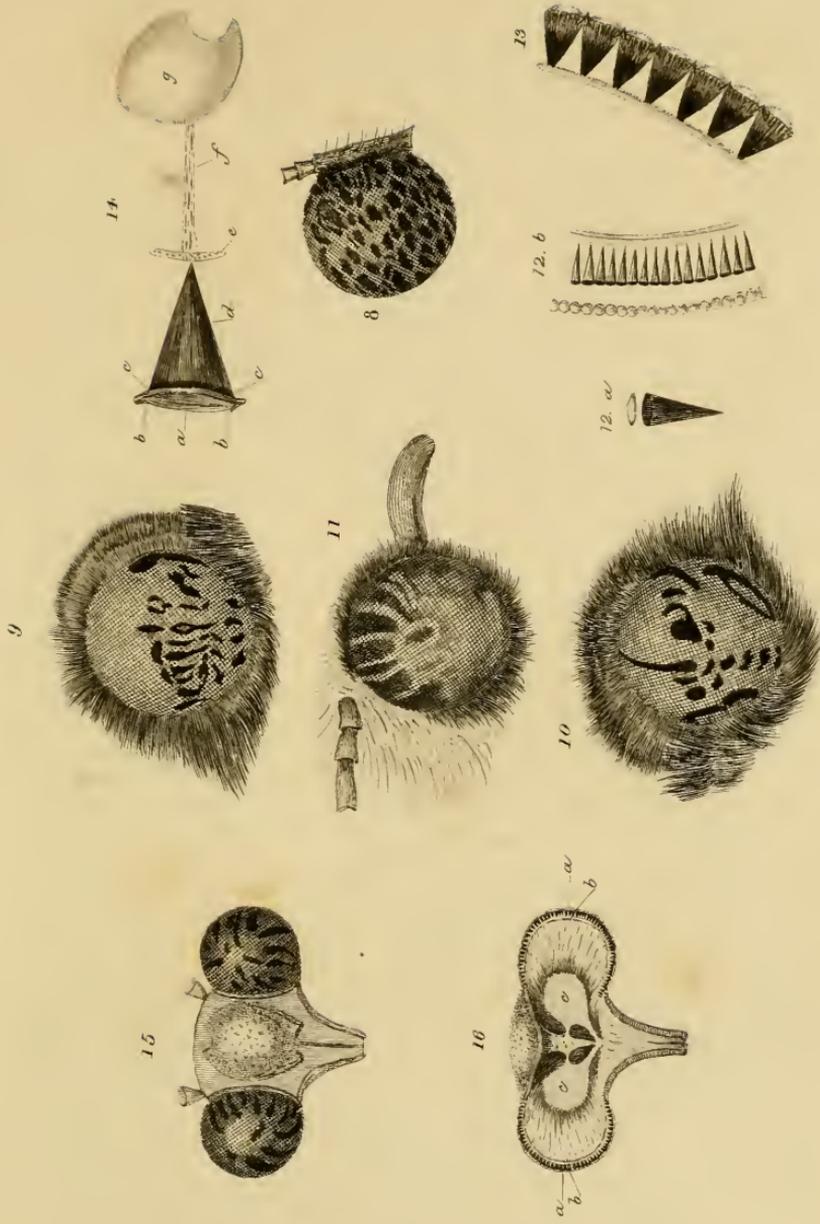
1. *Callirhipis Childrevi*. G.R.Gray. 2. *Callirhipis ruficornis*. G.R.Gray. 3. *Phenogodes plumicornis*. Hoffm. 4. *Cladophorus marginalis*. G.R.Gray.  
 5. *Calyptocephalus fasciatus*. G.R.Gray. 6. *Megolophthalmus Bauvettii*. Gray.





1. *Pachysoma Esculapius*. Kirby. 2. *Mnematinum silenus*. Kirby. 3. *Athyreus Bilbergii*. G. R. Gray. 4. *Elephāntomus probosciderus*. Mulsant.

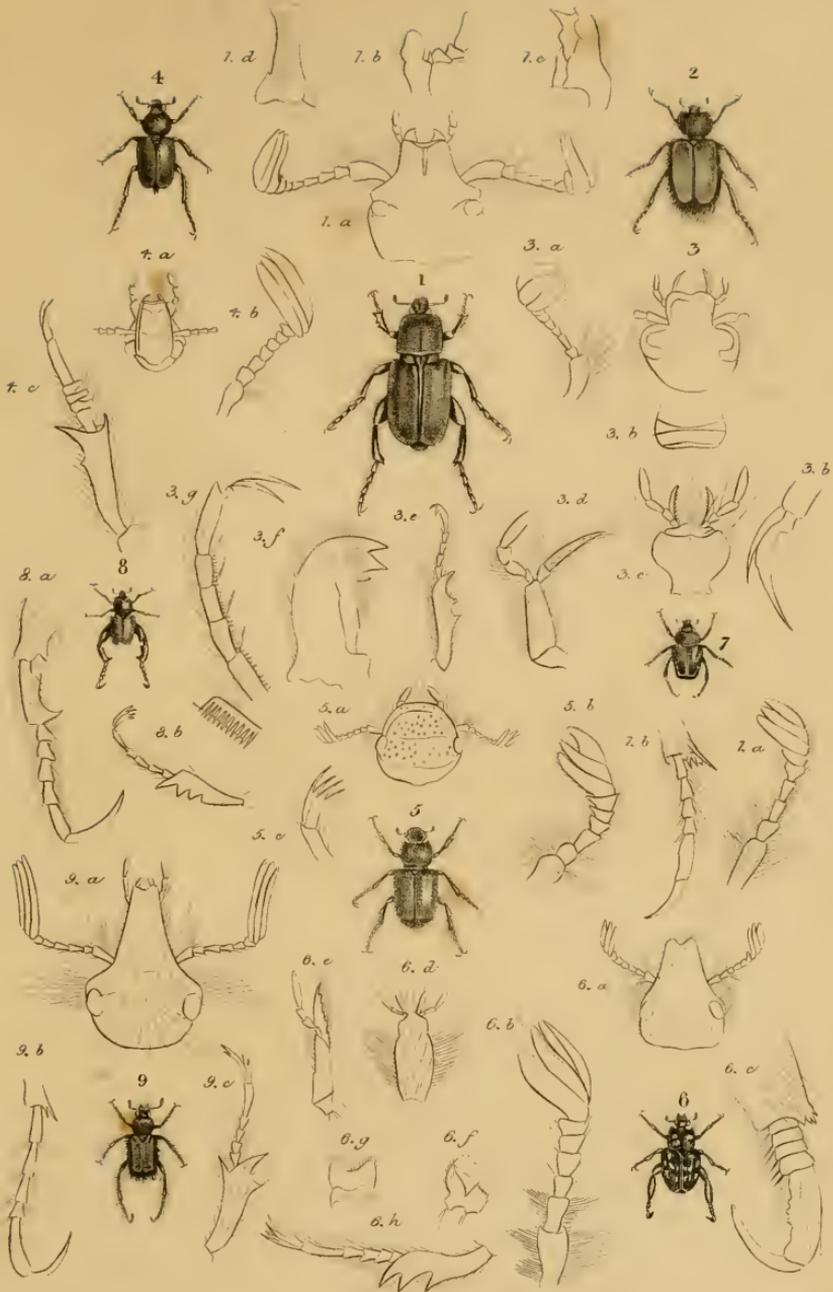




Compound eyes of Insects. Pl. 2

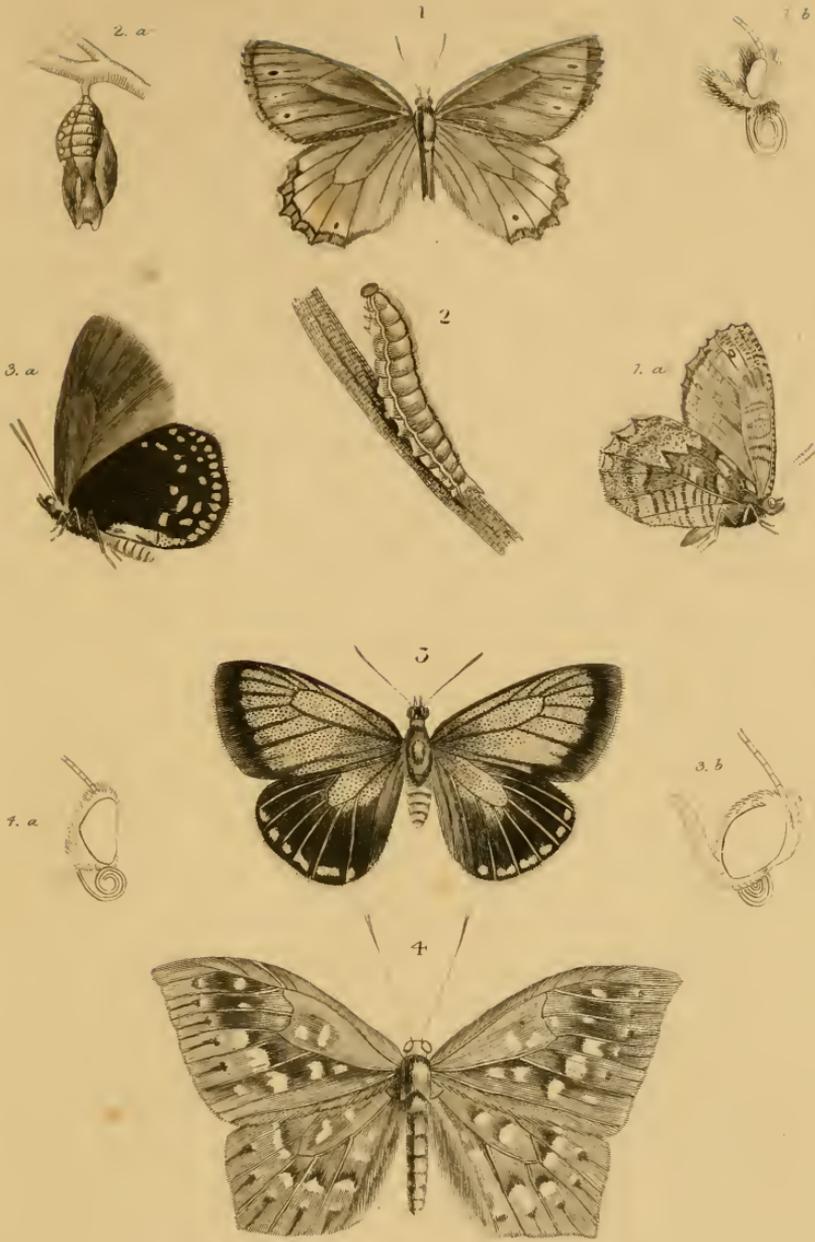
Published by Whittaker & Co. Ave Maria Lane, London. 1831





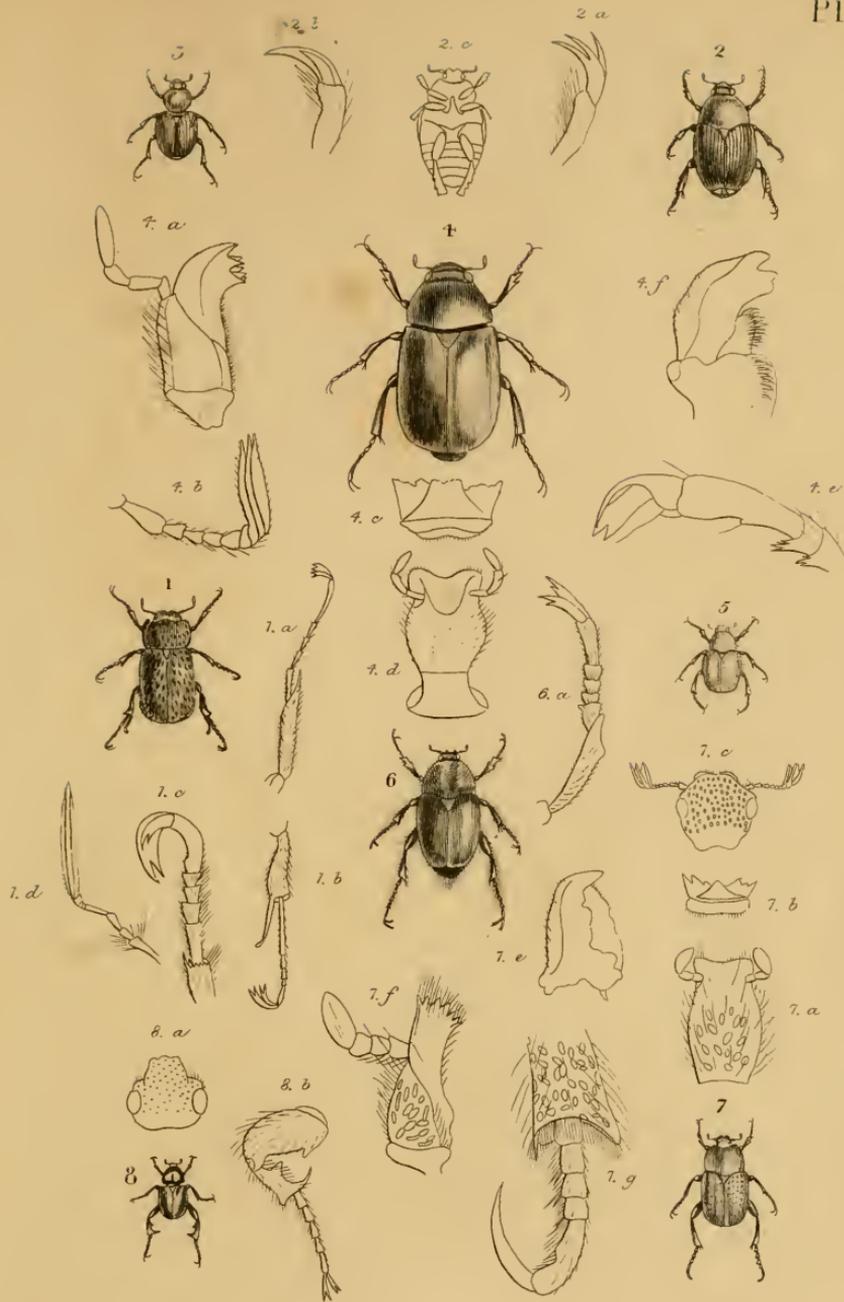
1. *Glaphyrus rufipennis*. Gory. 2. *Amphicoma bombytiformis*. Pall. 3. *Details of Amph. Lasseri*. 4. *Anthipna abdominalis*. Esch. 5. *Chasmopterus hirtulus*. Sliig. 6. *Pachycnemus crassipes*. Serv. 7. *Lepitrix abbreviatus* Serv. 8. *Monochelus gonäger* Serv. 9. *Anisonyx nasuta*. Wied.





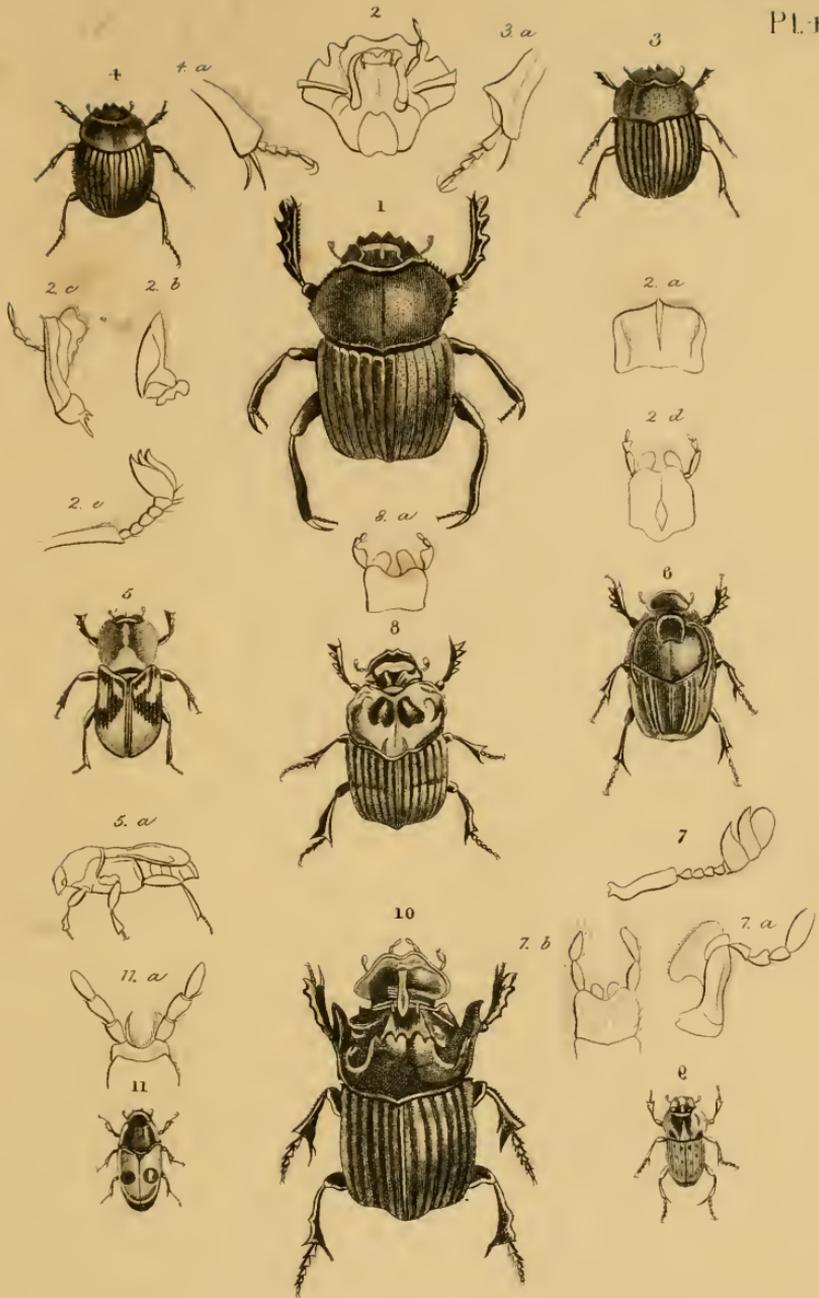
1. *Satyrus Balder*. Boisdu. 2. *Cat. & Chrysa of Satyrus jurina*. Godt. 3. *Eumonia toxica*. Godard. 4. *Erybia carolina*. Godard.





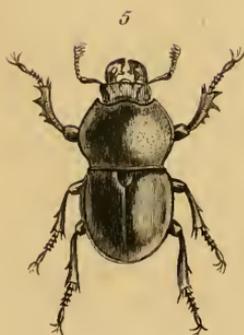
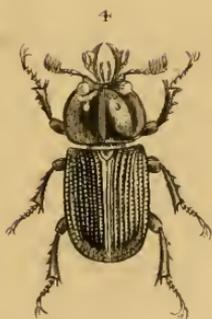
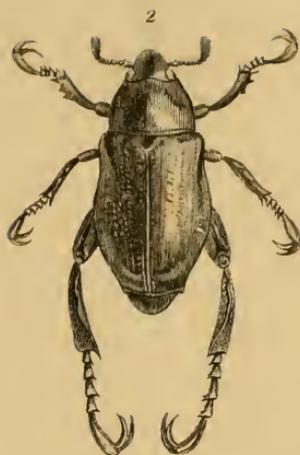
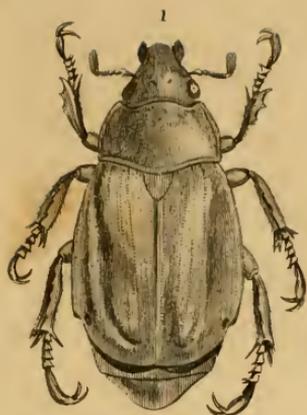
1. *Plectris tomentosa*, Lap. & Serv. 2. *Popilia nitidicollis*, Gory. 3. *Anisoplia saturalis*, Guér. 4. *Euchlora viridana*, Guér. 5. *Lepisia rupticola* Serv. 6. *Dicrania velutina*, Gory. 7. *Hoplia farinosa*, Fabr. 8. *Dichelus dentipes*, Serv.





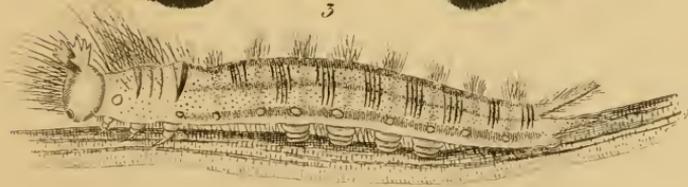
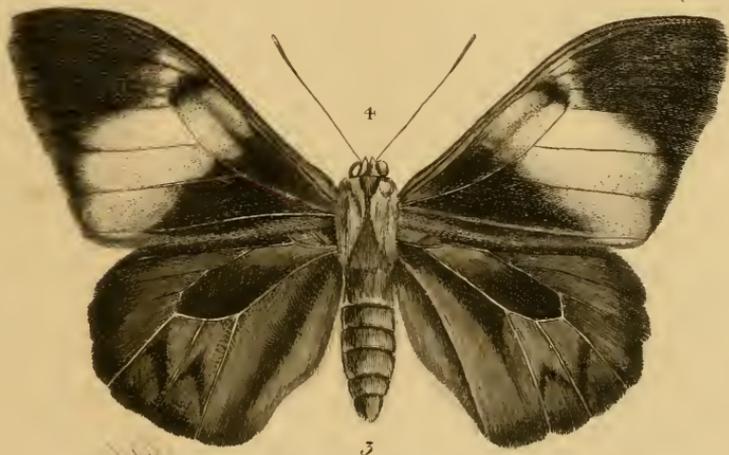
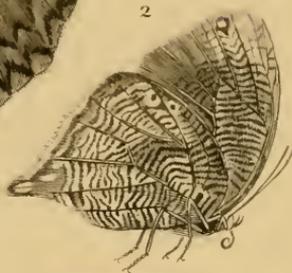
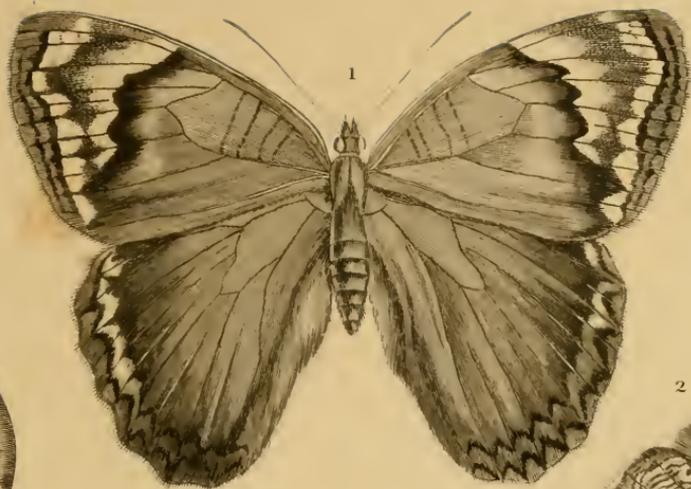
1. *Ateuchus Aegyptiorum*, Latr. 2. Details of *Ateuchus sacre*, Latr. 3. *Circellium hemisphaericum*, Latr. 4. *Coprobium viridis*, Latr. 5. *Eurysternus fuscus*, Guér. 6. *Ontophagus rarus*, Guér. 7. Details of *Ontop. variet.*, Latr. 8. *Phanencus imperator*, Chevrol. 9. *Oniticellus formosus*, Chevrol. 10. *Copris billator*, Chevrol. 11. *Aphodius bipunctatus*, Fabr.





1 *Chrysina Macicana*. G.R.Gray. 2. *Chrysophora Kirbii*. G.R.Gray. 3. *Syn-desus comutus*. Madag. 4. *Hexaphyllum Brasiliensis*. G.R.Gray. 5. *Colophon Westwoodii*. G.R.Gray.





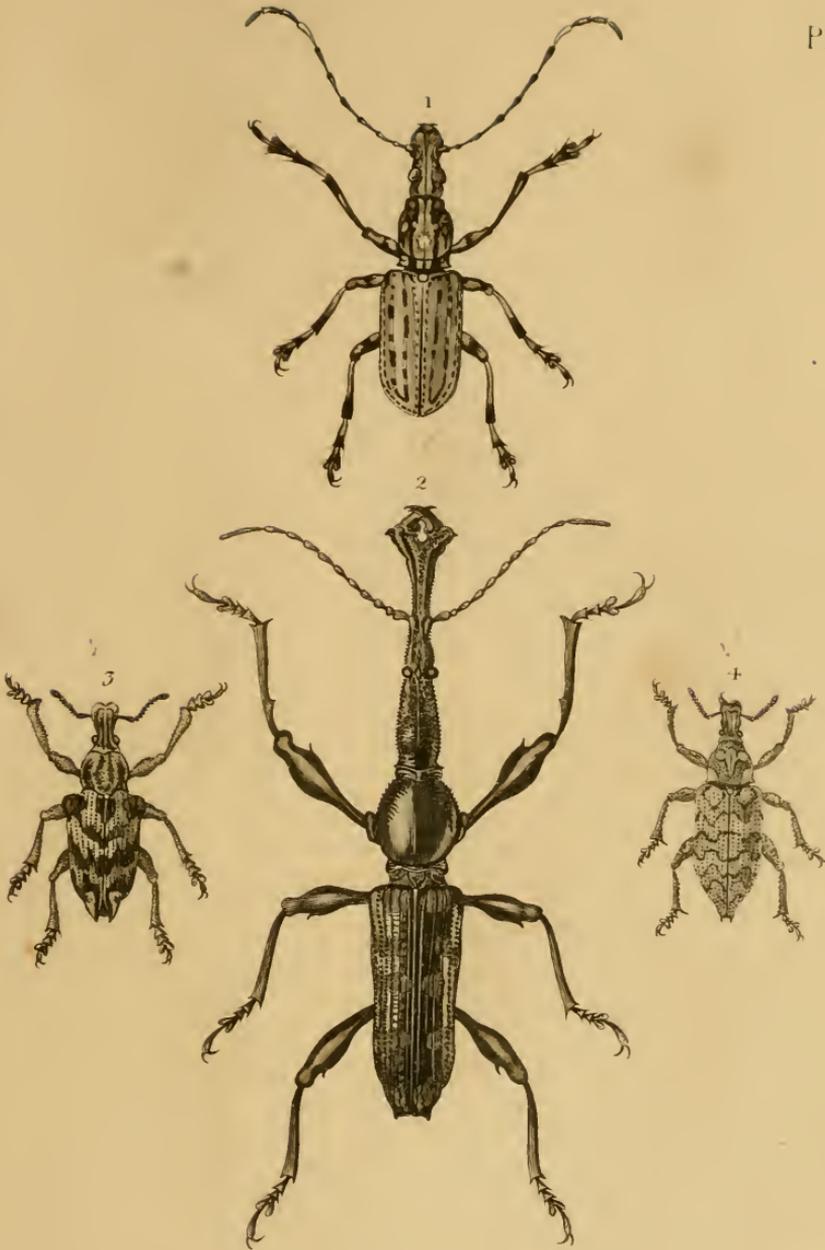
1. *Pavonia acadina*. God. 2. *Morpho actorion*. God. 3. *Morpho phidippus*. God. 4. *Braf solis astyra*. God.





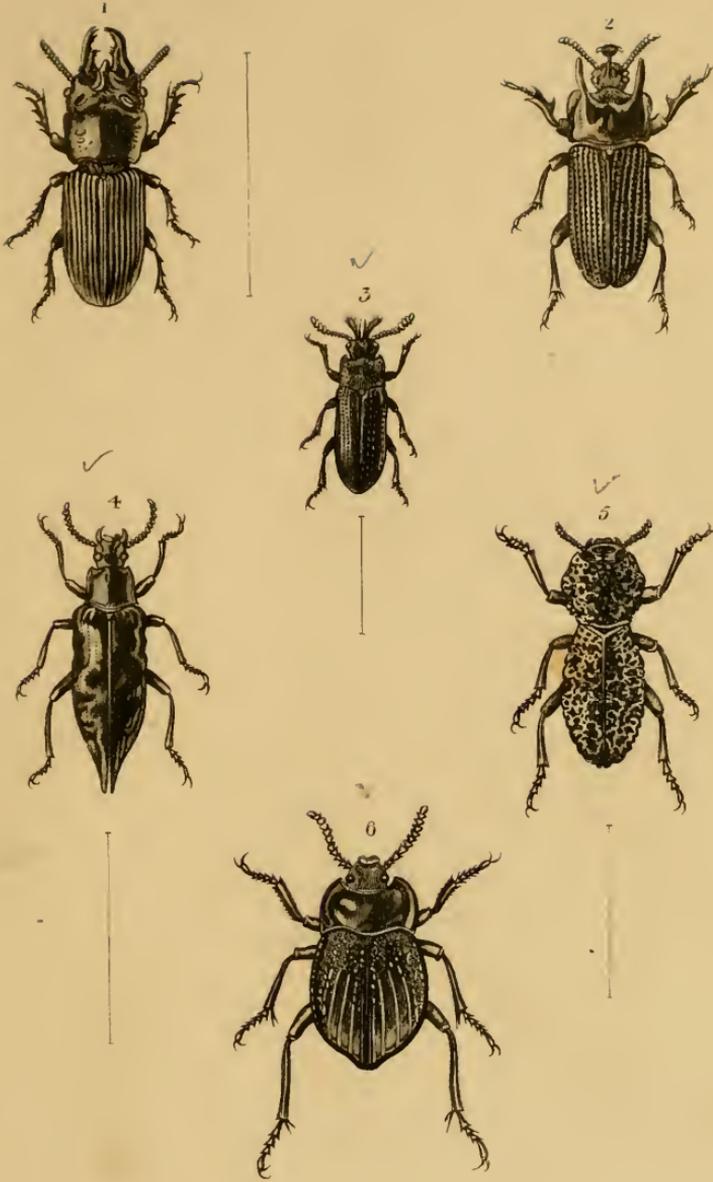
1. *Cymatodera Hopei*. G. R. Gray. 2. *Stygmaticum acindeloides*. G. R. Gray. 3. *Lasiodera Kirbii*. G. R. Gray. 4. *Hololepta glabra*. Gray. 5. *Stilpnonotus curviformis*. G. R. Gray. 6. *Tyrpanæus denticollis*. G. R. Gray.





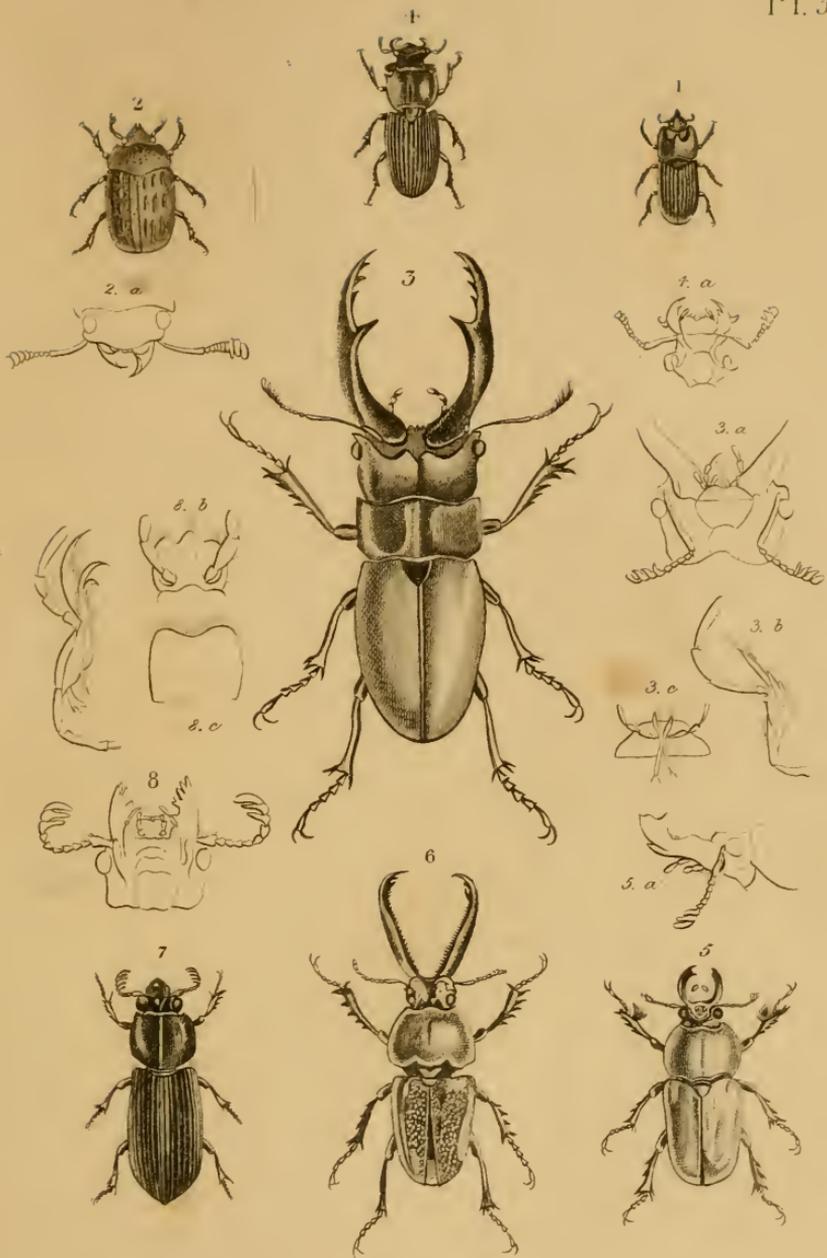
1. *Dolichocera Childreni*. G. R. Gray: 2. *Brenthus Temminckii*. Kuhl.  
 3. *Chlorima cyanipes*. G. R. Gray: 4. *Curculio spectabilis*. G. R. Gray.





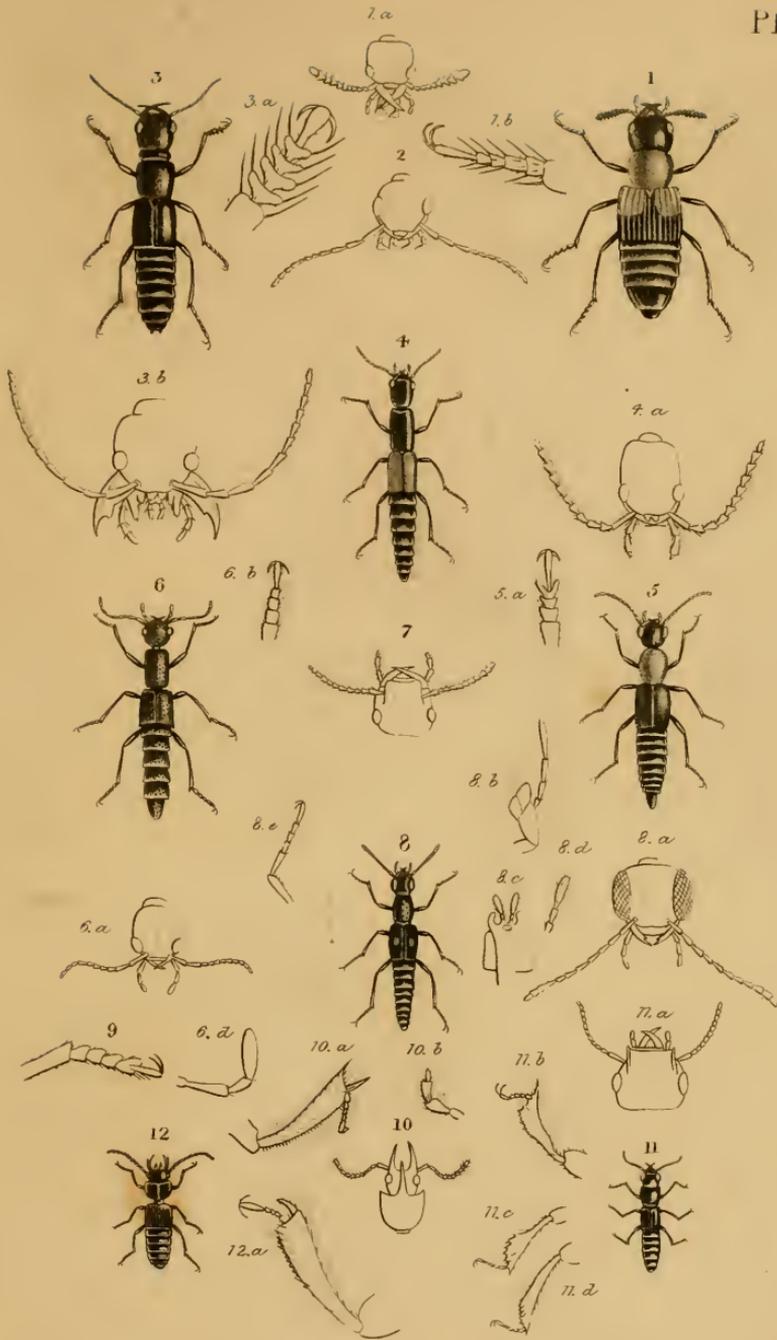
1. *Phrenapates Bennettii*. Kirby. 2. *Antinachus cornutus*. Gyll. 3. *Toxicum Richesiacum*. Latr. 4. *Ryfschoeton politus* G.R.Gray. 5. *Zopherus Mexicana*. Hope. 6. *Nyctelia Hopci*. G.R.Gray.





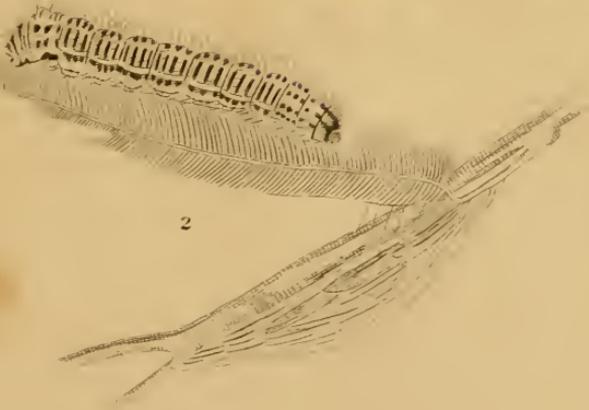
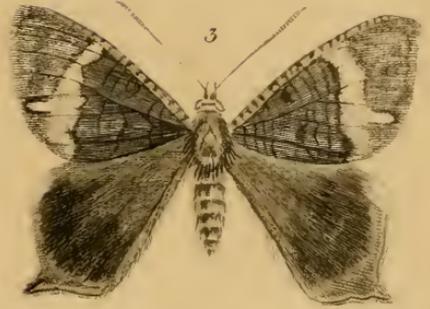
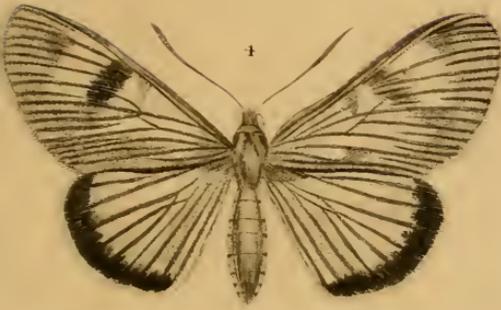
1. *Sinodendron cylindricum*. L. Fab. 2. *Cesalus scaraboides*. Fab. 3. *Lucanus cinnamomus*. Guér. 4. *Platycerus auriculatus*. Gory. 5. *Lamprima cœnea*. Latr. 6. *Pholidotus Humboldtii*. Sch. 7. *Passalus pentaphyllus*. Pals.-Baix. 8. Details of *Pass. interruptus*. Fab.





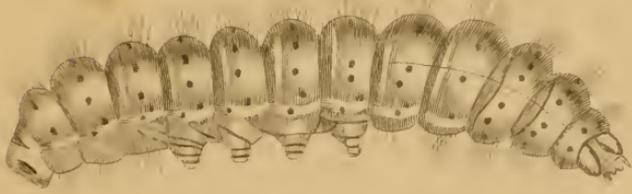
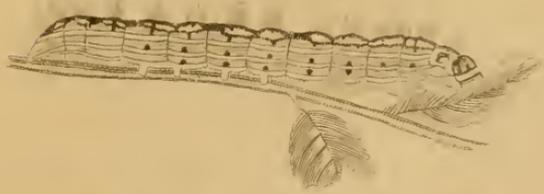
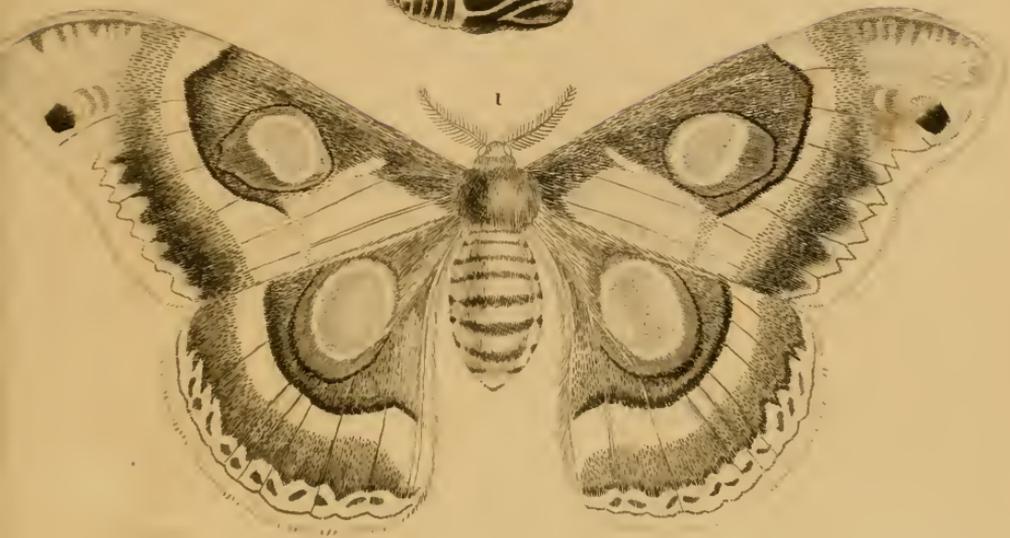
1. *Oxyporus rufus*, Lin. 2. Head of *Astrapocerus ulminatus*, Oliv. 3. *Staphylinus tataricus*, Fisc. 4. *Lathrobium longatum*, Lin. 5. *Paederus ruficollis*, Fab. 6. *Procirrus Leléburi*, Lat. 7. Head of *Evaesthetus*. 8. *Stenus biguttatus*, Lin. 9. Ant. Claw of *Stilicis*. 10. *Oxytelus tricornis*, Fab. 11. *Orosius brasiliensis*, Guex. 12. *Zyrophorus striatus*, Leach.





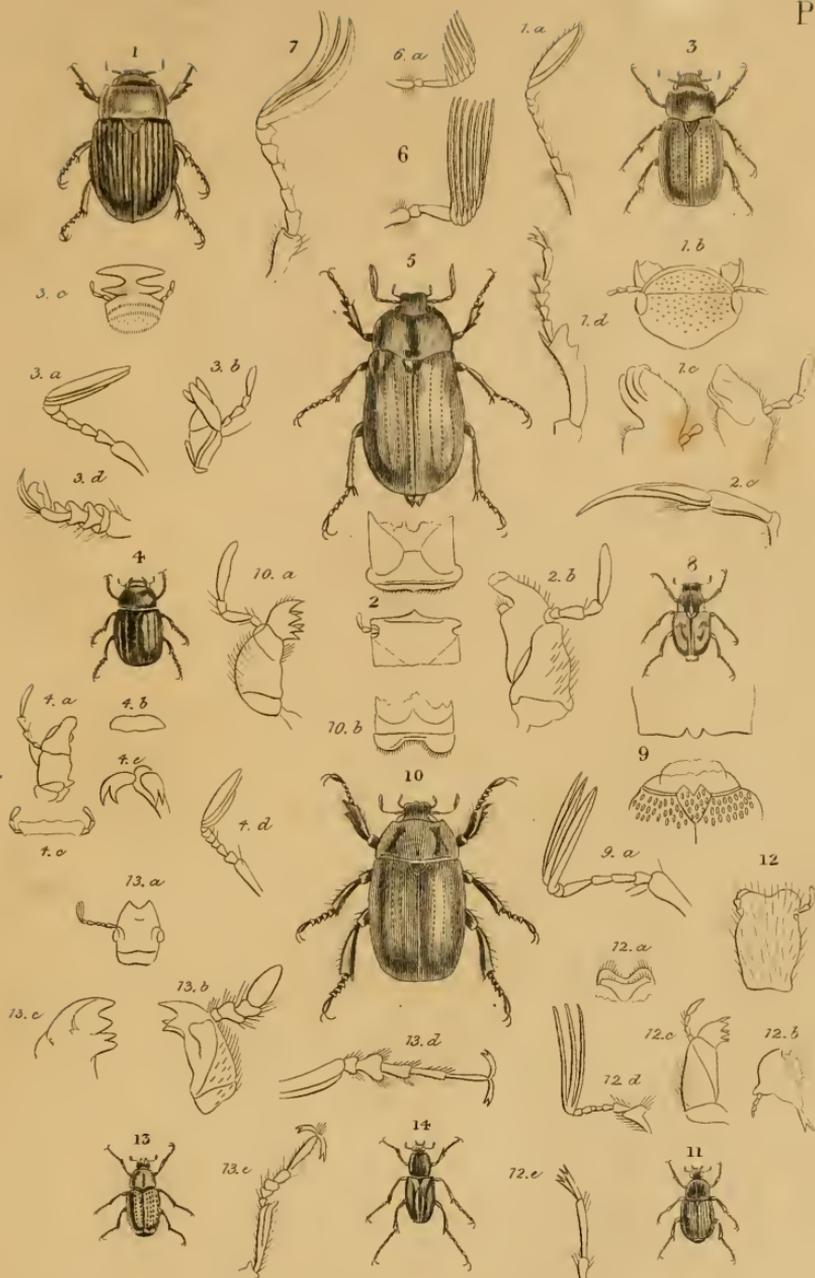
1. *Agarista Pales*. 2. *Cat. & Chrys. of Agar glycinea*. 3. *Coronis Leachii*. 4. *Castnia acraoides*.





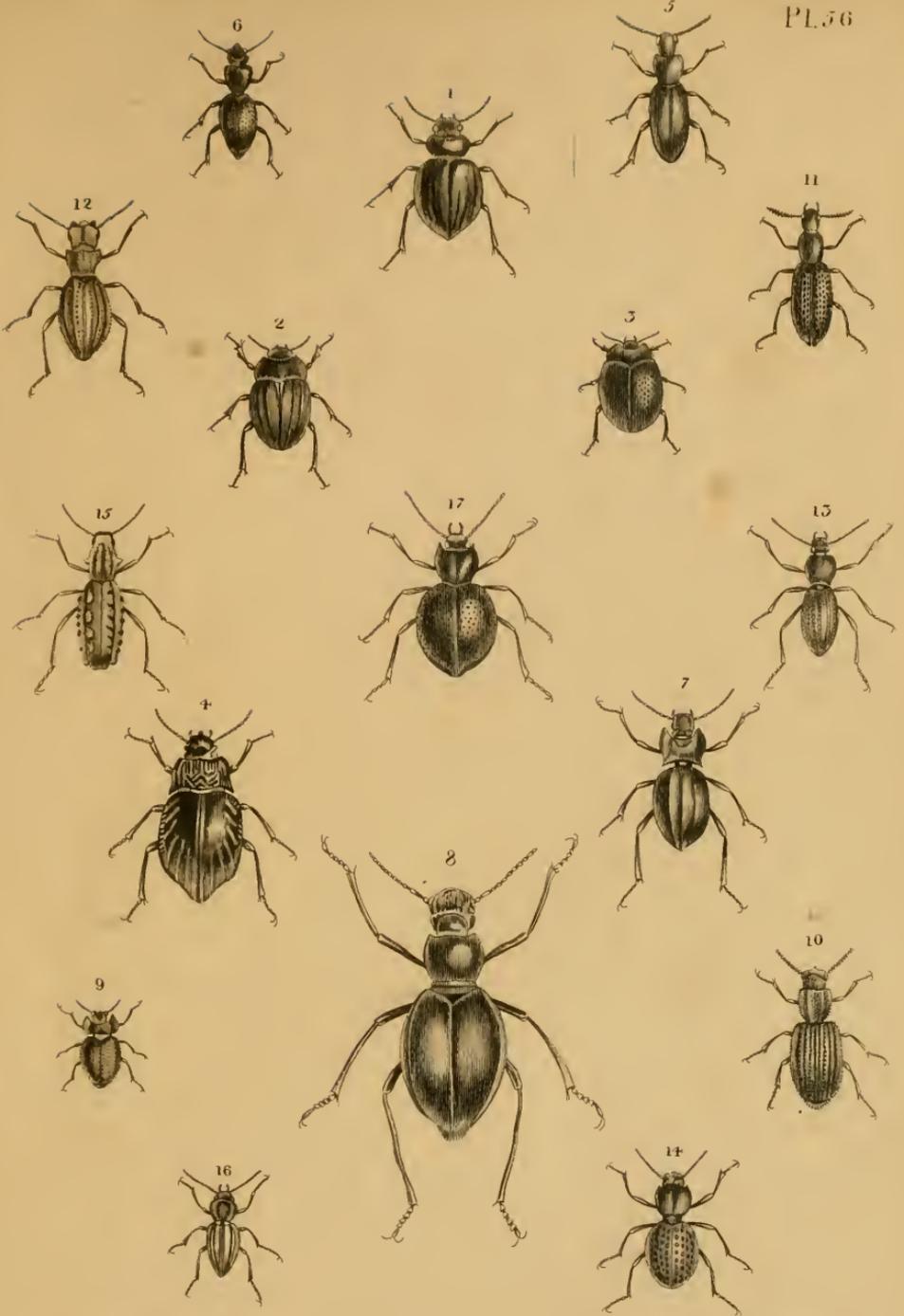
1. *Saturnia bauthiniae*. 2. *Cat. of Sat. luna*. 3. *Cocoon & Chrysalis of Sat. pavonia minor*. 4. *Bombyx digramma*. 5. *Cat. of Bombyx pennsylvanica*. 6. *Lasiocampa proboscidea*.





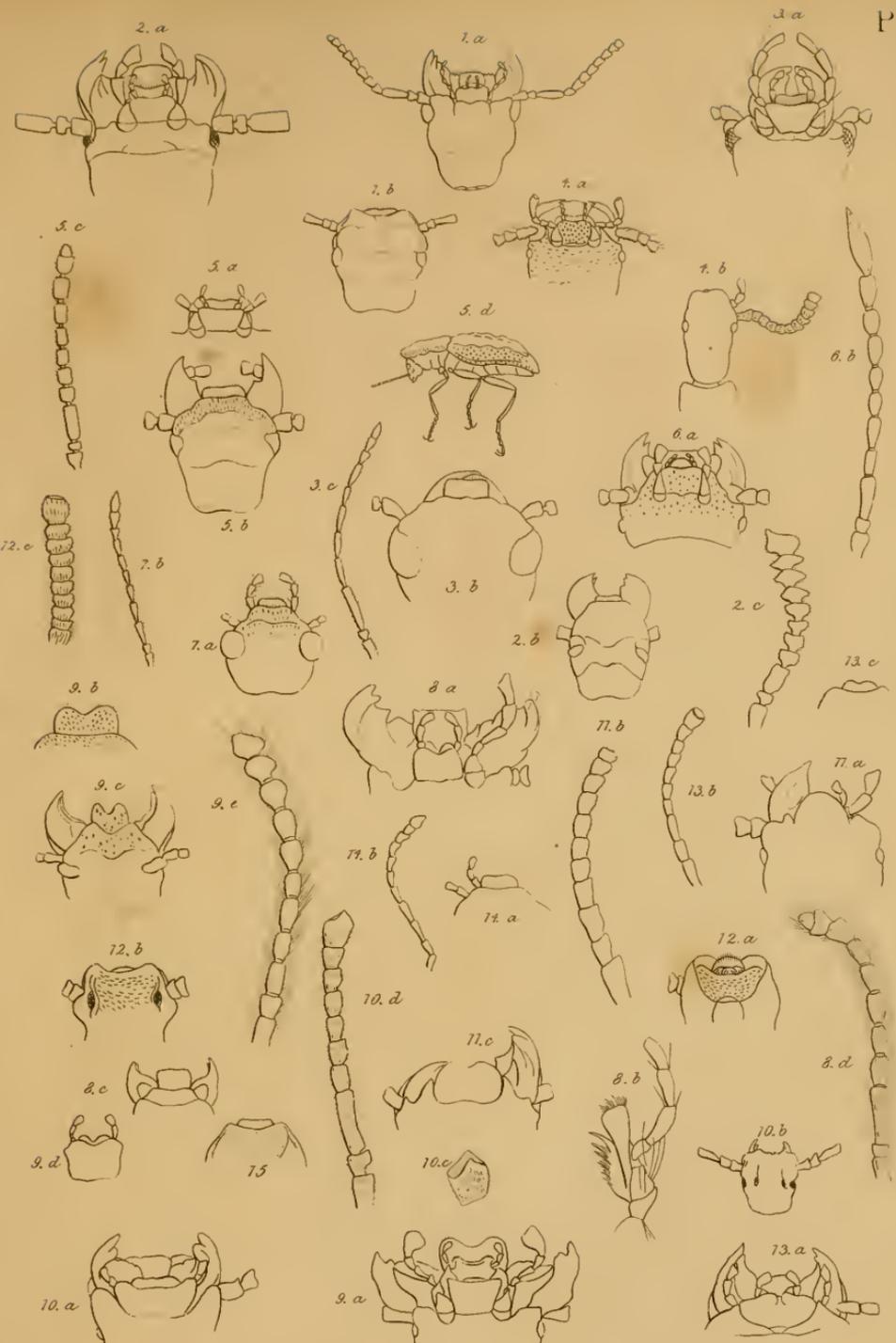
1. *Leucothyreus nitidicollis*. Guér. 2. Details of *Anoplognathus Latreillei*. Sch. 3. *Gemiatetis barbatus*. Kirby. 4. *Apogonia gemellata*. Kirby. 5. *Melolontha flavida*. Gory. 6. Antenna of *Melol. vulgaris*. 7. Ant. of *Rhisotrogus pinii*. Latr. 8. *Ceraspis decora* Gory. 9. Details of *Cer. albida*. Serv. 10. *Areoda Kirbyi*. MacLeay. 11. *Sericia flavimana*. Gory. 12. Details of *Seric. variabilis*. Lat. 13. *Diphucephala fuscata*. Guér. 14. *Macrodaetylus saturalis*. Chev.





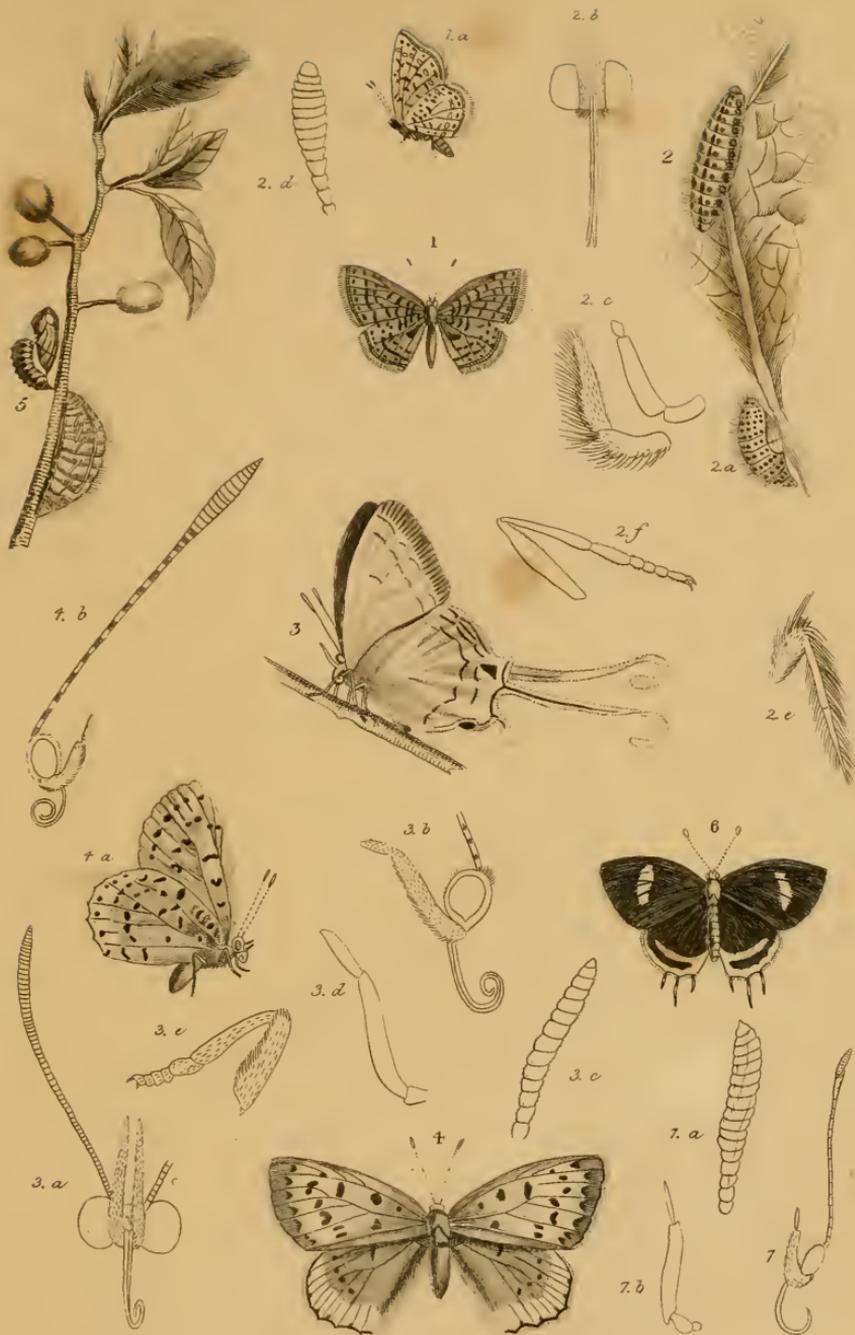
1. *Pimelia vestita*, Gory. 2. *Erodius gibbus*, Fabr. 3. *Zophosis testulinarius*, Oliv. 4. *Nyctelia luczoti*, Chev. 5. *Hegeter tagenioides*, Gory. 6. *Tentyria junctipennis*, Latbr. 7. *Akis Goryi*, Guen. 8. *Elenophorus americanus*, Lacord. 9. *Eurychora rugosula*, Guen. 10. *Adelostoma rugosa*, Gory. 11. *Tagenia orientalis*, Gory. 12. *Psanmeticus costatus*, Guen. 13. *Scarus rugosus*, Latr. 14. *Scotobius granosus*, Lacord. 15. *Sepidium vestitan*, Gory. 16. *Trachynobus villatus*, Latr. 17. *Mohuris luteipes*, Guen.





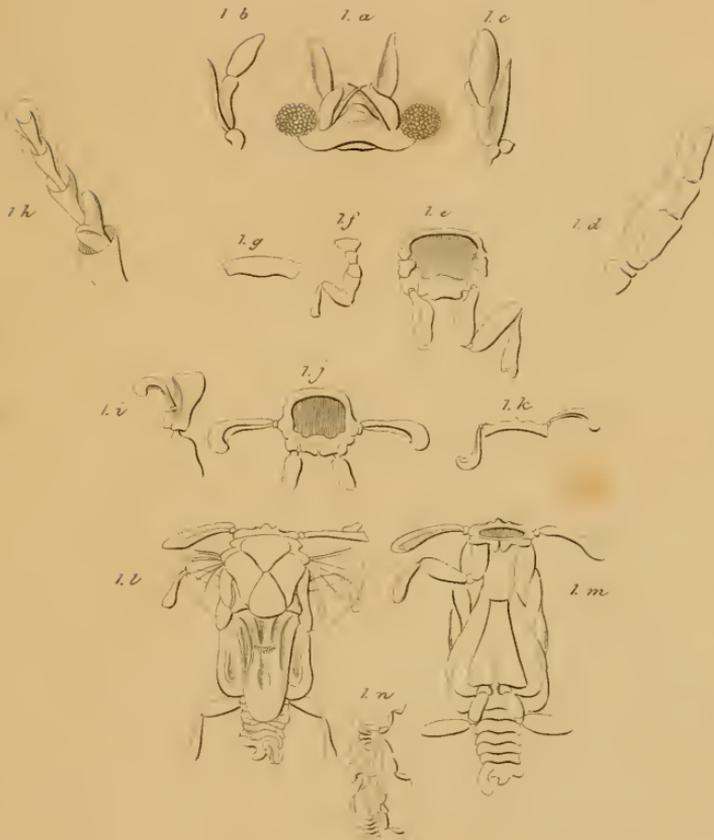
1. *Psammeticus costatus* 2. *Scotobius granosus* 3. *Moluris luteipes* Guér. 4. *Tageia orientalis*.  
 5. *Sepidium vestitum* 6. *Scaurus rugosus* 7. *Trachynotus vittatus* 8. *Fimcha sarica* 9. *Nycteha Luczotti*  
 10. *Eurychora rugosula* 11. *Hegeter tagaiooides* 12. *Adelostoma rugosa* 13. *Erodus gibbus*  
 14. *Zophosis testudinarius* 15. *Akis Coryz.*





1. *Erycinavirginiensis*. Boisd. 2. *Cat. & Chrys. of Erycina lucina*. 3. *Myrina fallax*. God. 4. *Polyommatus Thoe*. Boisd. 5. *Cat. & Chrys. of Polyompruni*. God. 6. *Zephyrius amor*. Daln. 7. Details of *Polyomroxus*. God. *a. Lycana horsti*

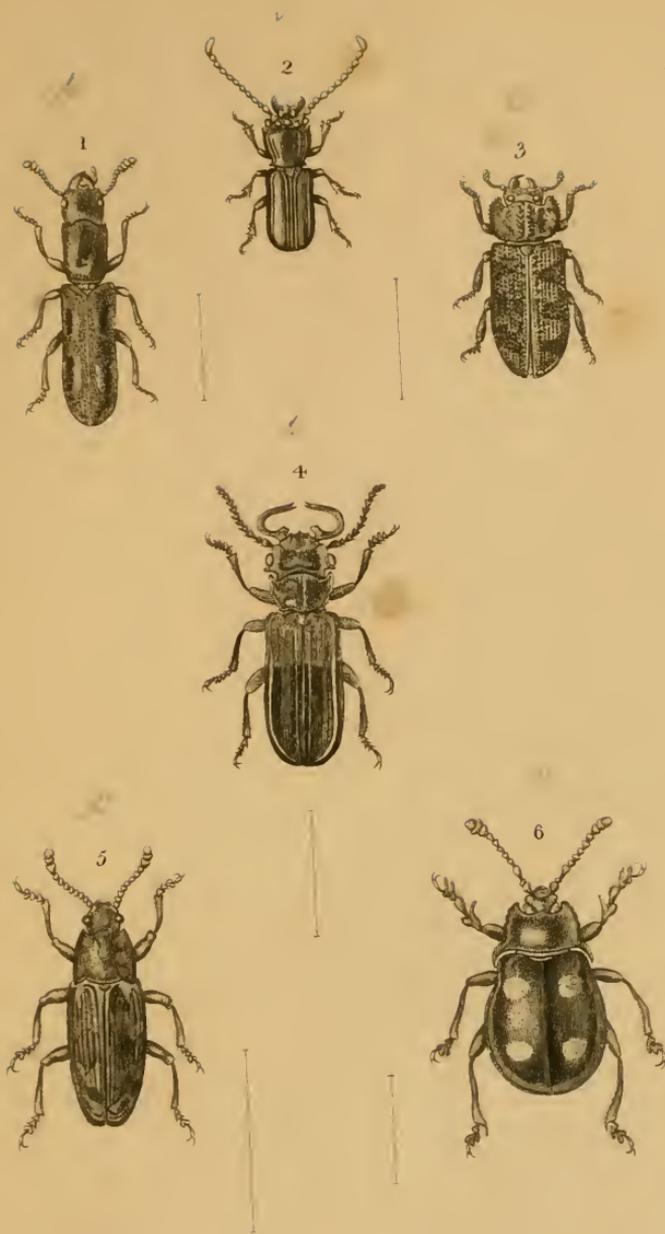




*Stylops Childreni.*

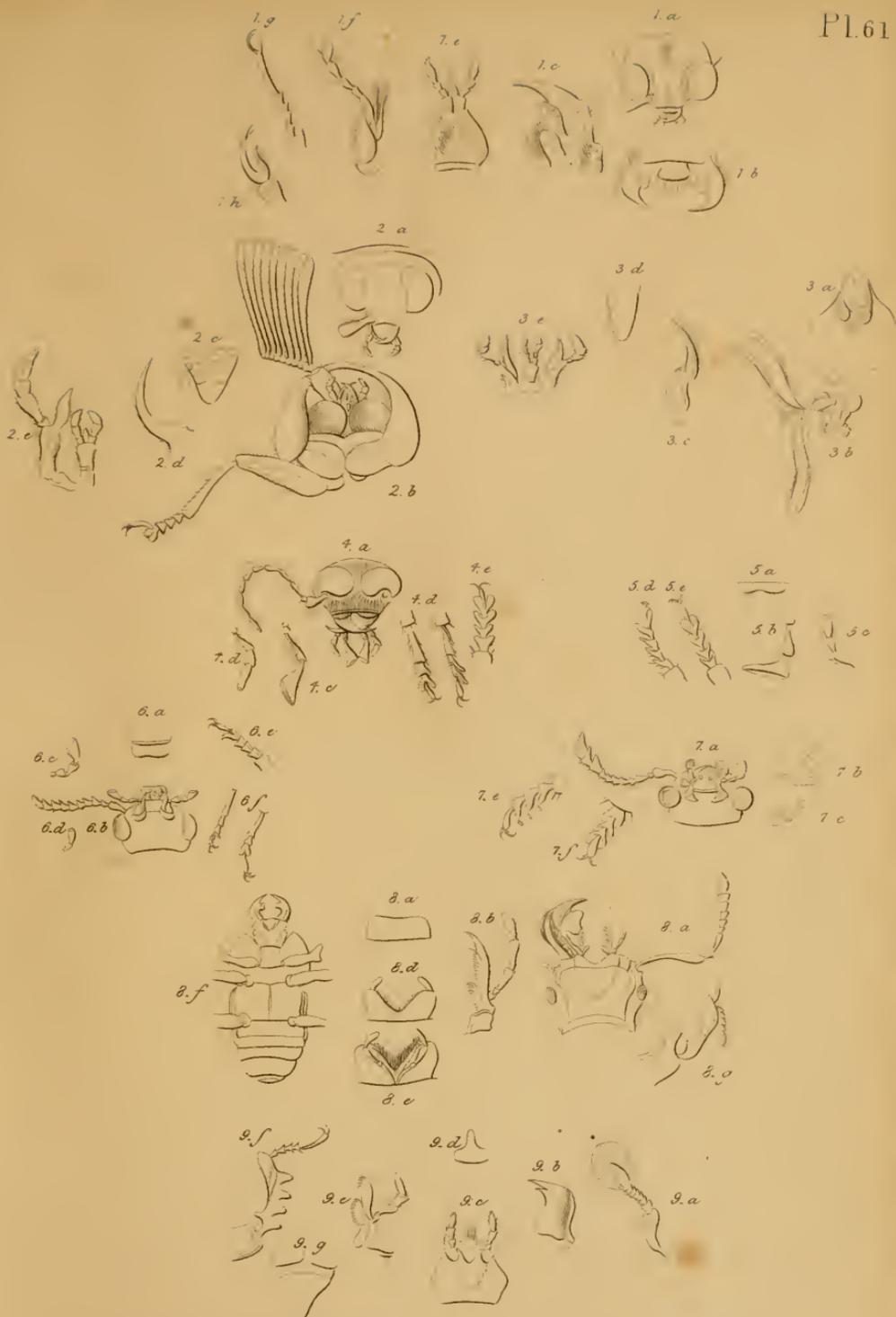
O. Westwood del.





1. *Temnoscheila splendens*. G.R. Gray. 2. *Parandra fasciata*. G.R. Gray. 3. *Tropositas squamosa*. G.R. Gray. 4. *Cucujus Dejani*. G.R. Gray. 5. *Tripalomavariegata*. Westwood. 6. *Eumorphus tetraspilotus*. Hope.





1 *Callirhipis Childroni*. 2 *Megalophthalmus Bonnetii*. 3 *Calyptocephalus fasciatus*  
 4 *Stegmatium lindeloides*. 5 *Gymatodera Hopii*. 6 *Stilpnonotus curvifemoralis*.  
 7 *Lasiodera Kirbyi*. 8 *Hololepta glabra*. 9 *Trypanocus denticollis*.





1. *Plagiocephalus lobularis*. Wiedem. 2. *Diopsis brevicornis*. Say. 3. *Zygothrica dispar*. Wiedem.





Westwood del.

Bull. sc.

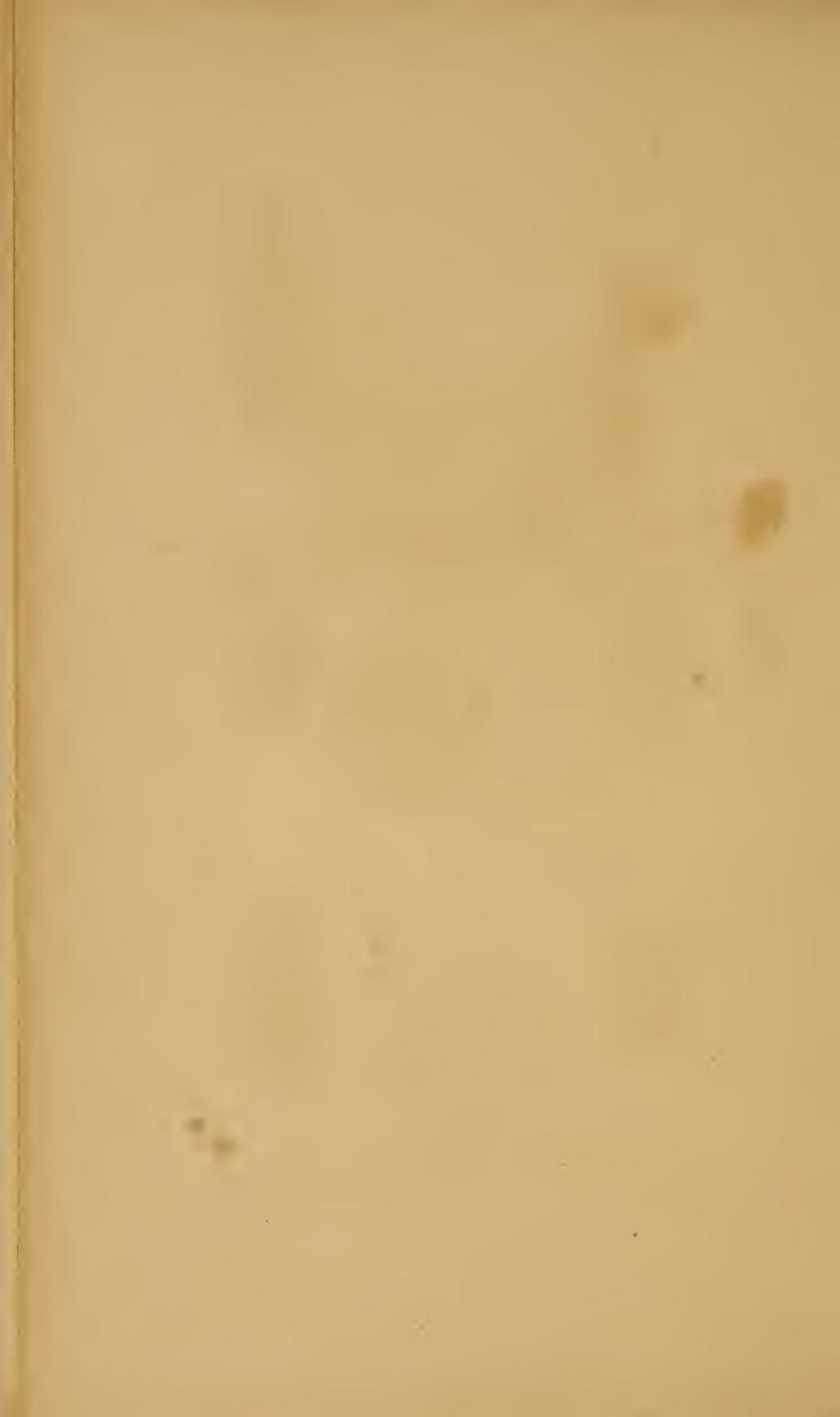
1. *Scaphura kirbyi*. Westw. 2. *Gryllus umbraculatus*. Lin. 3. *Phyllium bioculatum*. G.R. Gray.





Weswood, del.

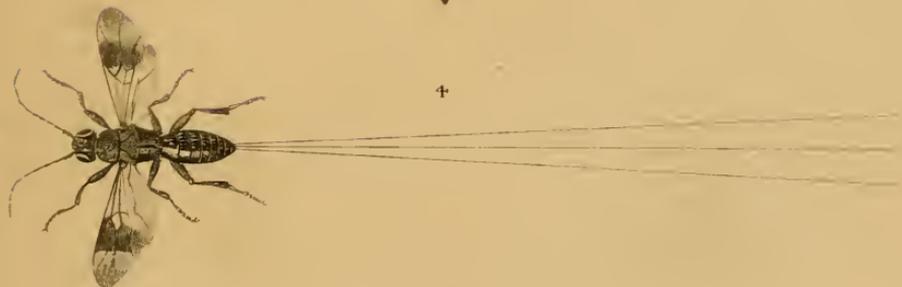
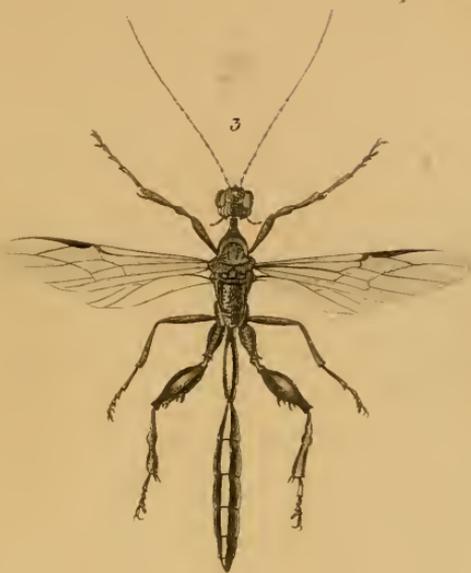
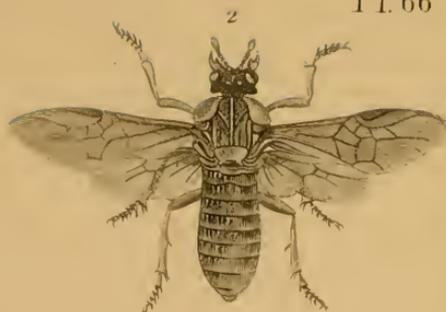
*Gryllus monticollis*. G.R. Gray.





1. *Euicodes Fichteli*. G.R.Gray. 2. *Coptocephalus Brasiliensis*. G.R.Gray. 3. *Phænicocerus Dejeani*  
 Lat. † *Anacolus Lugubris*. Serv. 5. *Eurycephalus niger*. G.R.Gray. 6. *Clytus Hayii*. G.R.Gray.

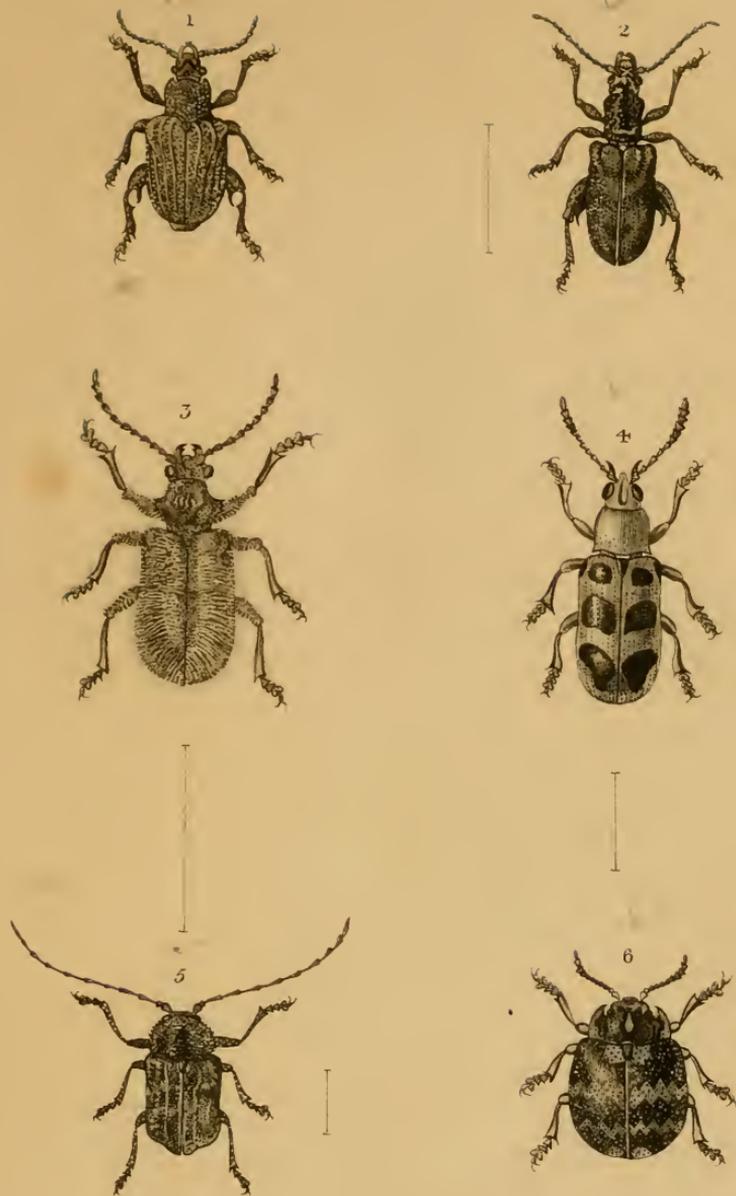




L.O. Westwood, del.

1. *Schizocerus Pelterii*, G. R. Gray. 2. *Perga scutellata*, Westw. 3. *Stephanus Brasiliensis*, Westw. 4. *Megalyra fascipennis*, Westw.

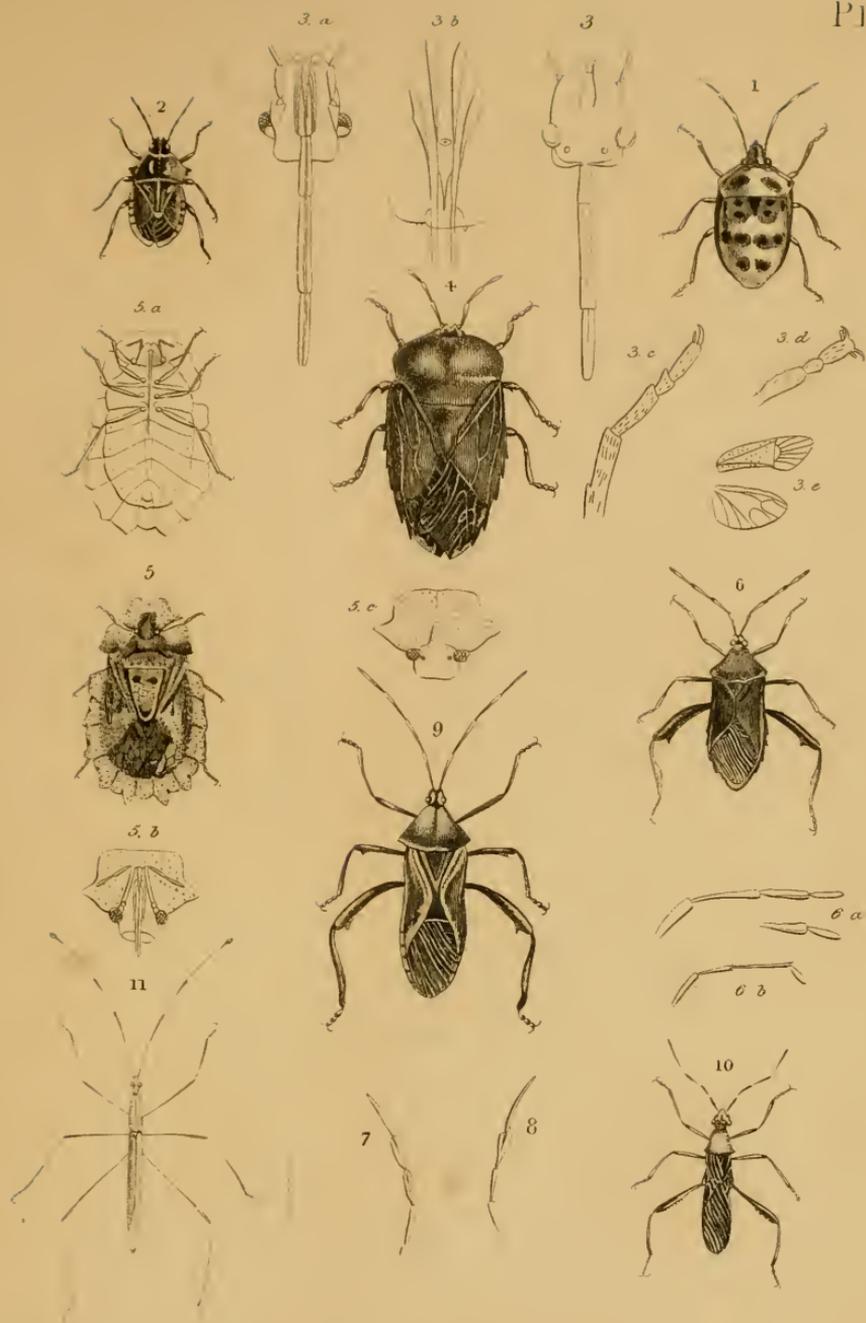




I. O. Westwood, del.

1. *Megamerus Kingii*. Mac. Leay. 2. *Carpophagus Banksii*. Mac. Leay. 3. *Goniopleura auricoma*. Westw. 4. *Chelobasis bicolor*. G. R. Gray. 5. *Cryptocephalus rugicollis*. G. R. Gray. 6. *Doryphora prinops*. G. R. Gray.





1. *Scutellera Diva*, Guér. 2. *Pentatomayolofa*, Guér. 3. Details of *Pent. grisea*, Latr. 4. *Tessera-toma Sennerutii*, Serv. & St. Farg. 5. *Phlaea cassidoides* Serv. & St. Farg. 6. *Coreus rubiginosus*, Guér. 6a. Ant. of *Gonocerus*. 6b. Ant. of *Syromastes*. 7. Ant. of *Pachlis*. 8. Ant. of *Hollymения*. 9. *Anisoscelis profanus*, Fab. 10. *Alydus annulicornis*, Guér. 11. *Nedes bipularia*, Latr.

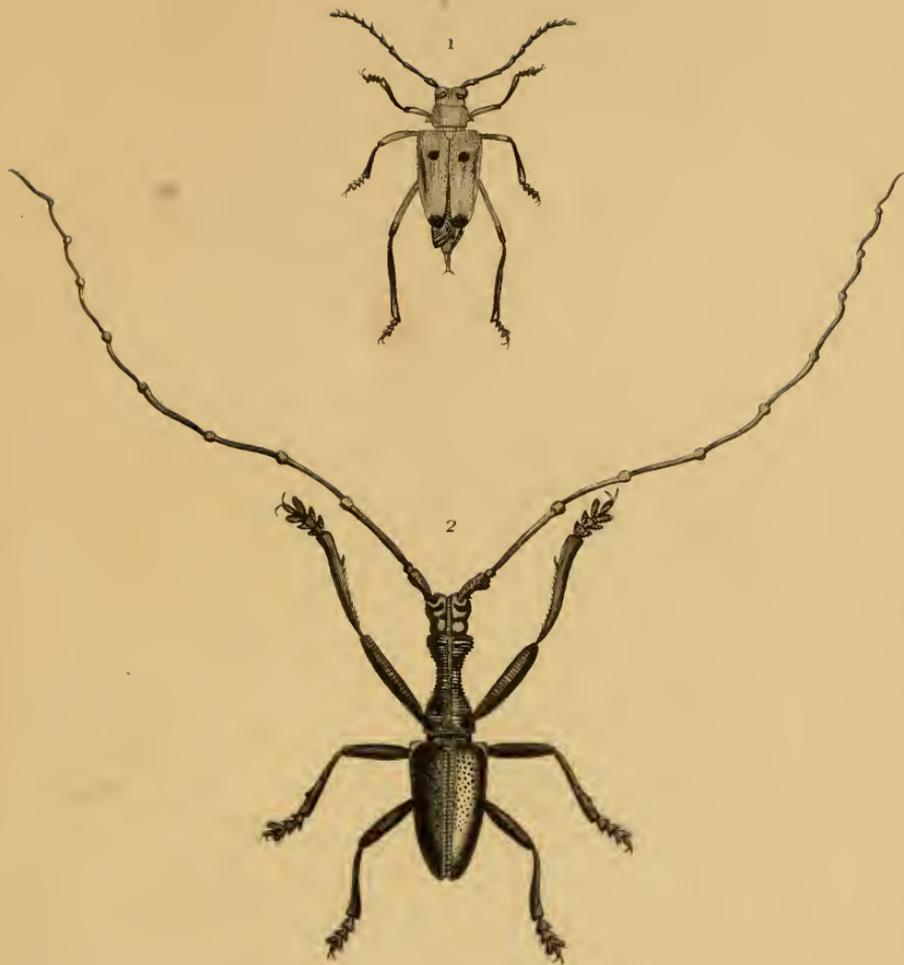




L. O. Westwood, del.

1. *Phrenapates Bowditchi*. 2. *Rhyssochiton politus*. 3. *Antimachus cornutus*. 4. *Zopherus Mexicana*.  
5. *Toxicum Ruchesiachum*. 6. *Nictelia Hoppi*.





I. O. Westw. scd. del.

1. *Anacolus quadri punctatus*. GRöngv. 2. *Gnoma suturata*. Westw.

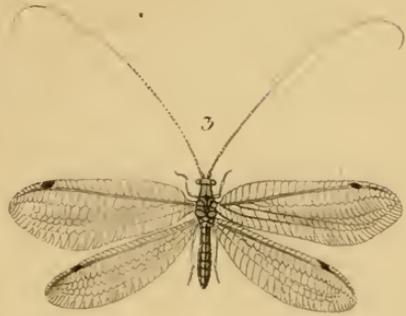




L. J. Westwood del.

1. *Scolia fulva*. O.R. Gray. 2. *Mutilla Klugii* O.R. Gray. 3. *Myrmecodes australis*. Leach.





L. J. Westwood, del.

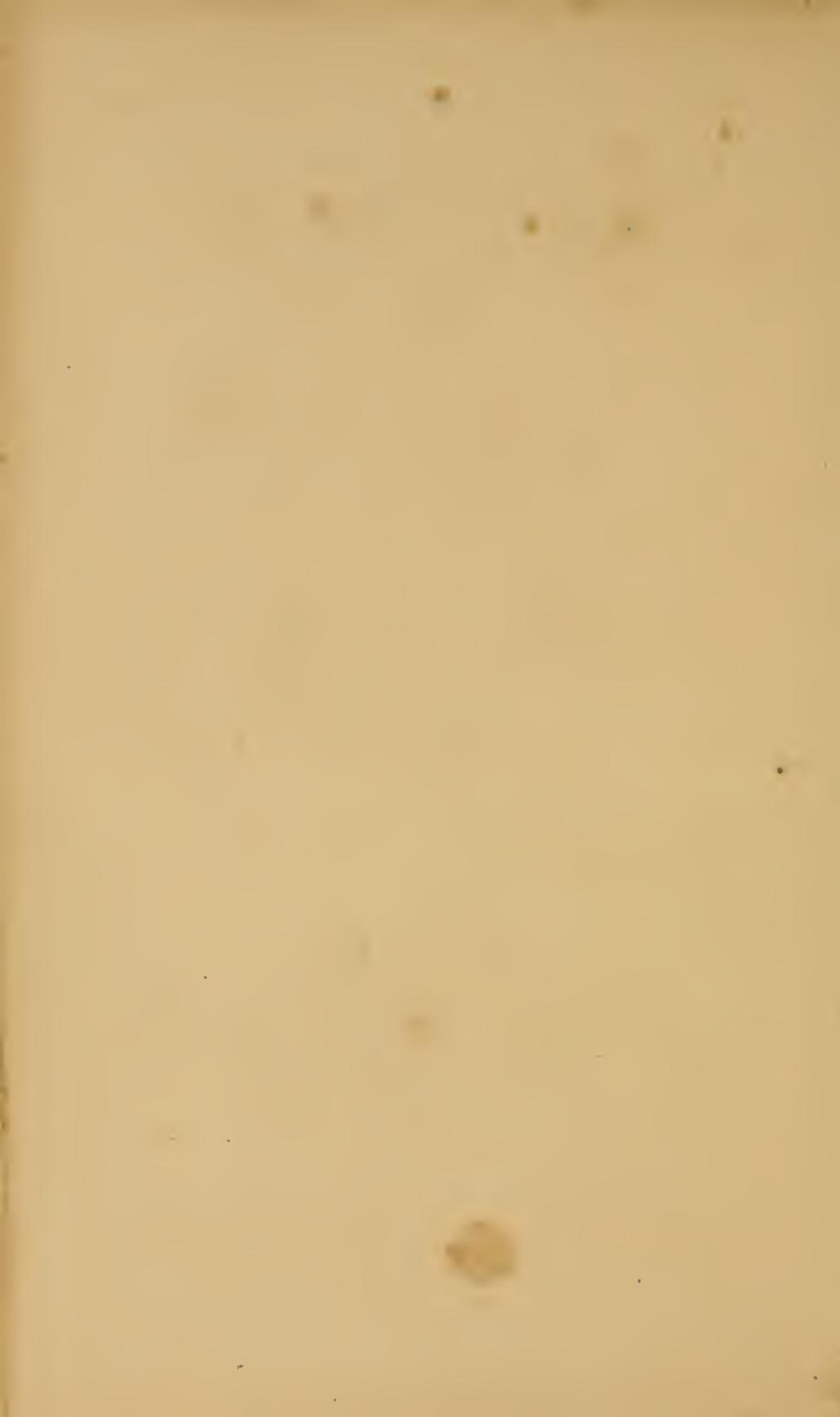
1. *Chauliodes maculipennis*. G. R. Gray. 2. *Embius brasiliensis*. G. R. Gray. 3. *Heurobates longicollis*. G. R. Gray. 4. *Eusthenia spectabilis*. Westw.

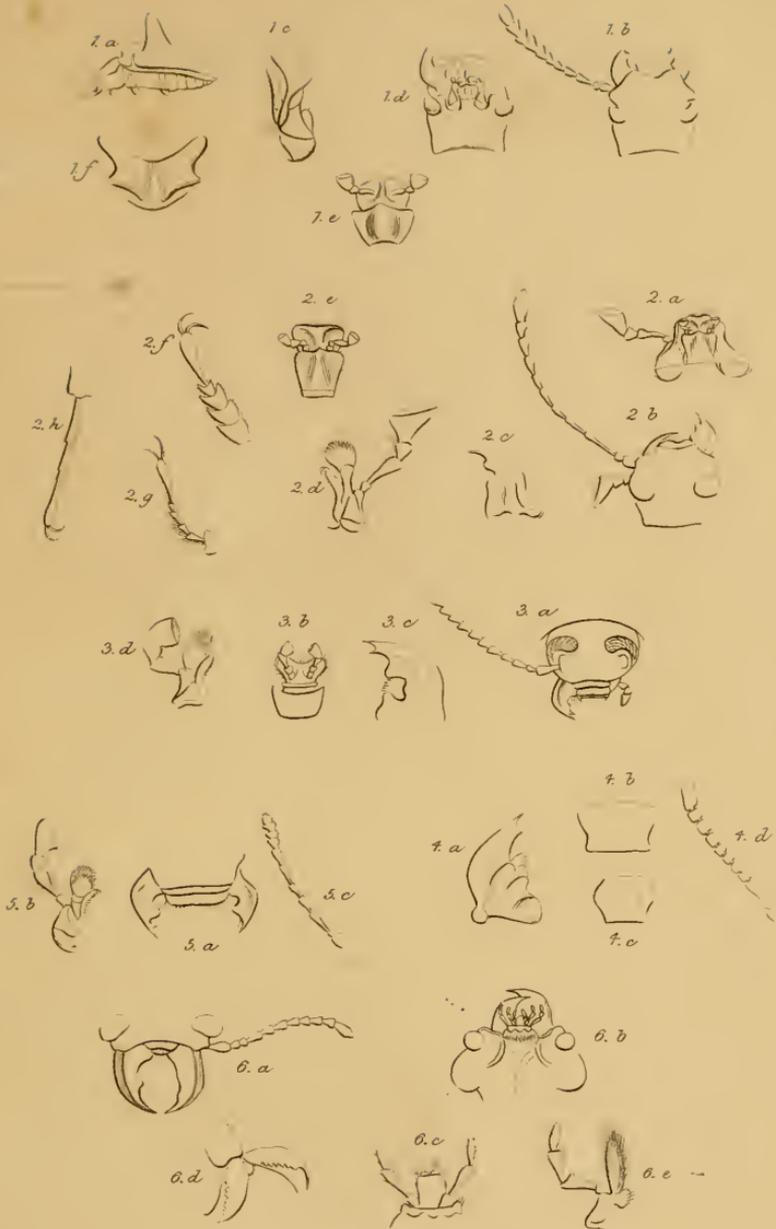




L. Westwood, del.

1. *Coptocephalus Erasilionis*. 2. *Enicodes Fichtlii*. 3. *Anacolus luytrivis*. 4. *Phanicoceus Dejémi*. 5. *Eurycephalus niger*. 6. *Clytus Huxii*.





1. *Cnodonodosum*. 2. *Adelium cupreum*. 3. *Diaperis nigro punctatus*  
 4. *Lagriia rufosus*. 5. *Helops atorinus*. 6. *Horia maculata*.





1. *Temnoscheila splendens*. 2. *Parandra fasciata*. 3. *Cucujus Dejani*. 4. *Proposita squamosa*. 5. *Triplatomia variegata*. 6. *Eumorphus tetraspilobus*.





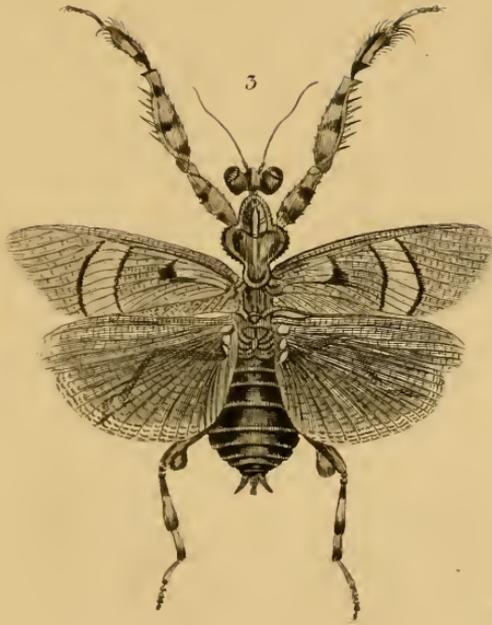
1. *Pepsis apicalis*, G.R. Gray. 2. *Pompilus bifasciatus*, G.R. Gray. 3. *Podium nigripes*, Westw.  
 4. *Camptognatha testacea*, Leach, Mss. 5. *Apteropyna Ehenbergii*, G.R. Gray.





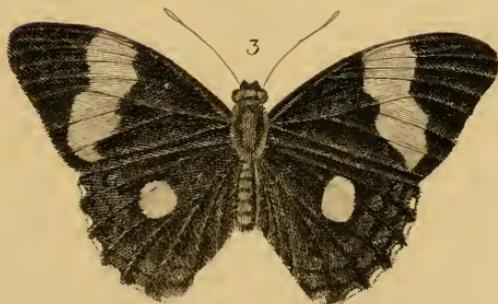
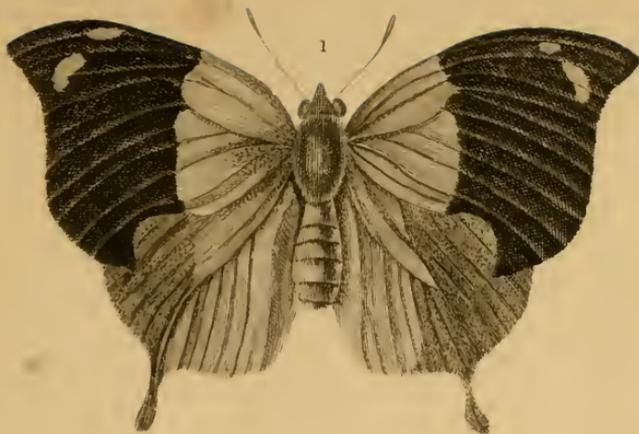
1. *Stilbum princeps*, G. R. Gray. 2. *Phasgonophora sulcata*, Westw. 3. *Epistenia caeruleata*, Westw.





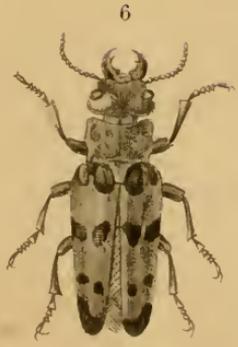
1. *Blatta maculata*. *Willd.* 2. *Forsicula Brasiliensis*. *G. R. Gray.* 3. *Blepharis elegans*. *Westw.*





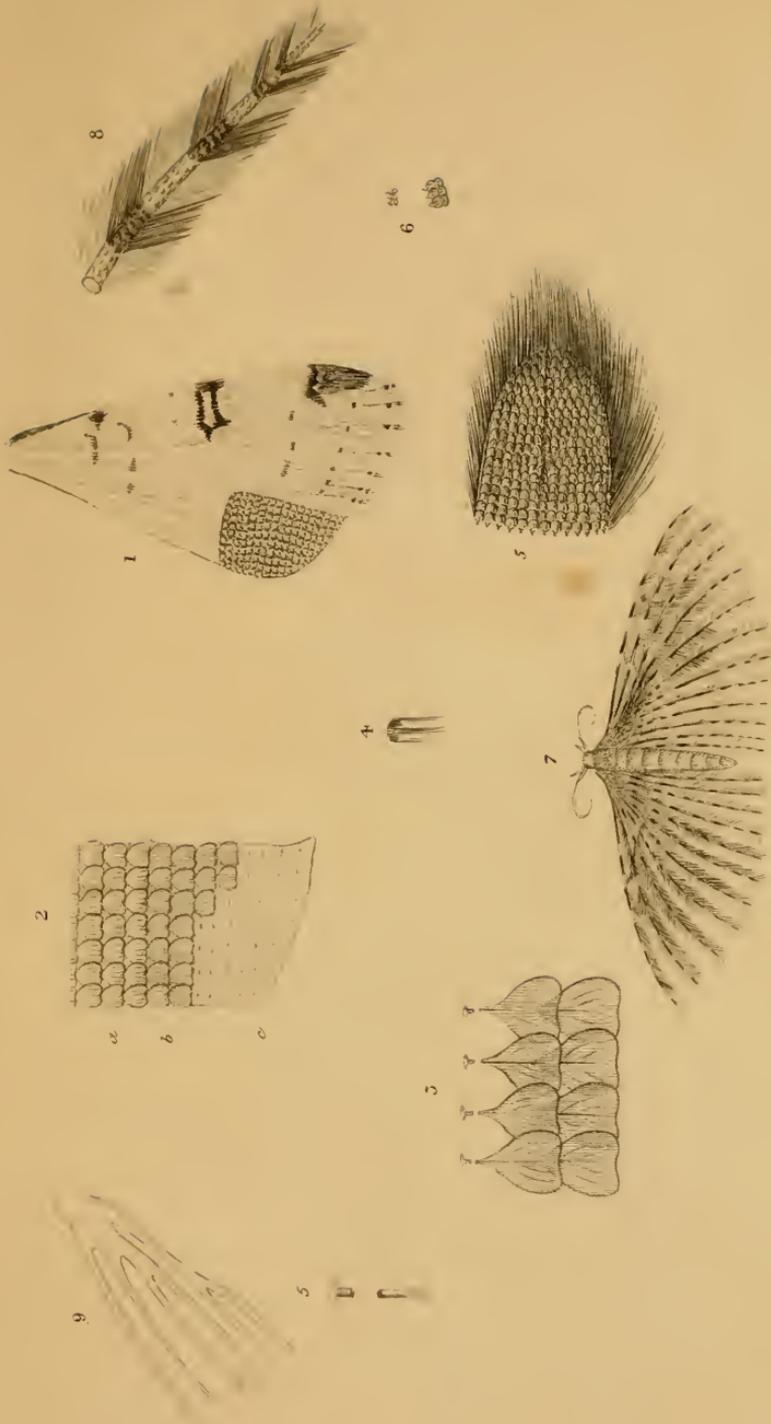
1. *Nymphalis Thamyris*. Lat. 2. *Nymphalis chrysis*. Lat. 3. *Nymphalis leucophthalma* Lat.





1. *Cnodalium nodosum*, G. R. Gray. 2. *Adeliium cupreum*, G. R. Gray. 3. *Helops nigromaculatus*, G. R. Gray. 4. *Metallonotus denticollis*, G. R. Gray. 5. *Helops rufogustus*, G. R. Gray. 6. *Horia maculata*, Fabr.

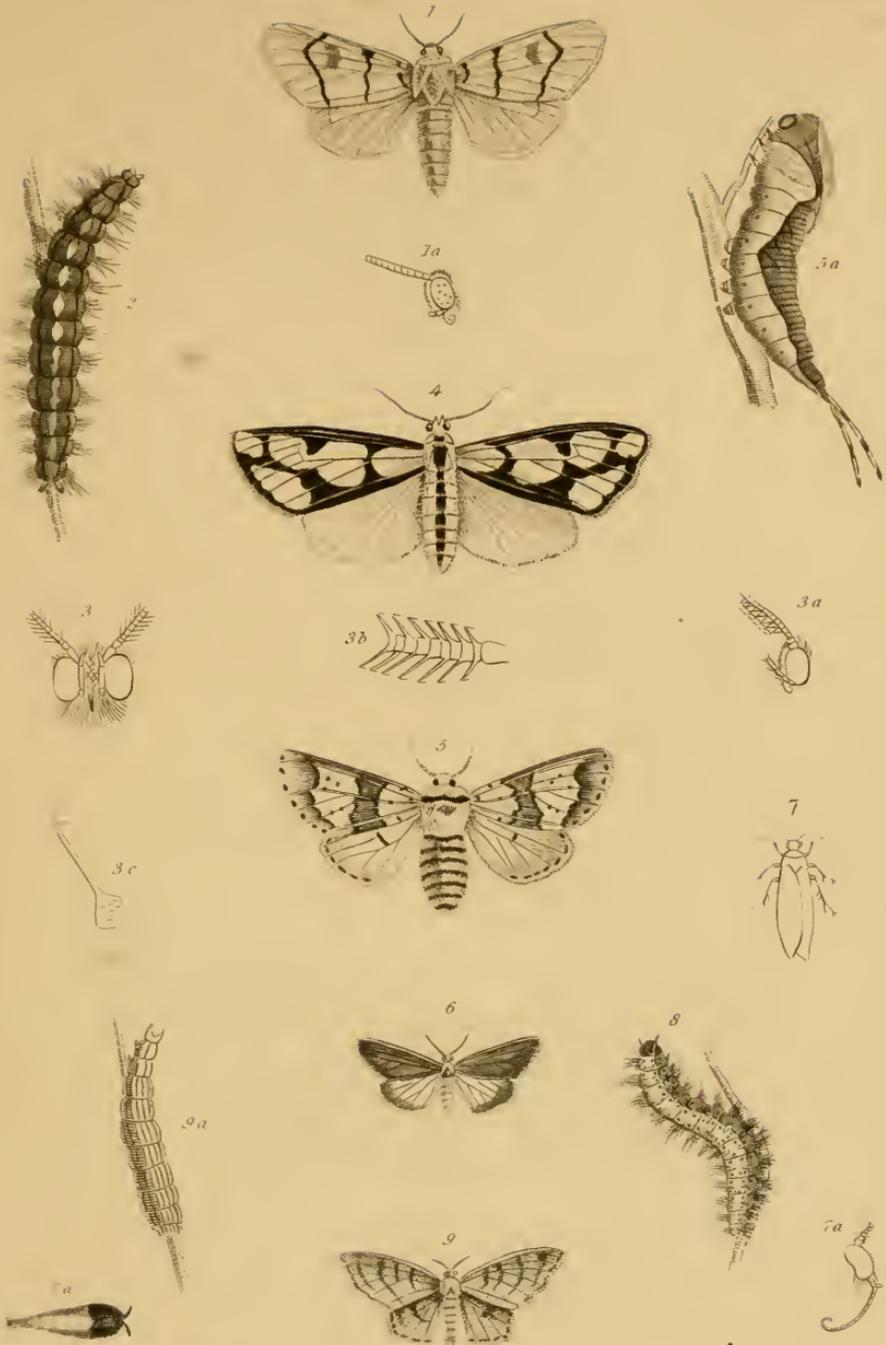




Scales or Feathers of Lepidoptera.— Pl. 2.

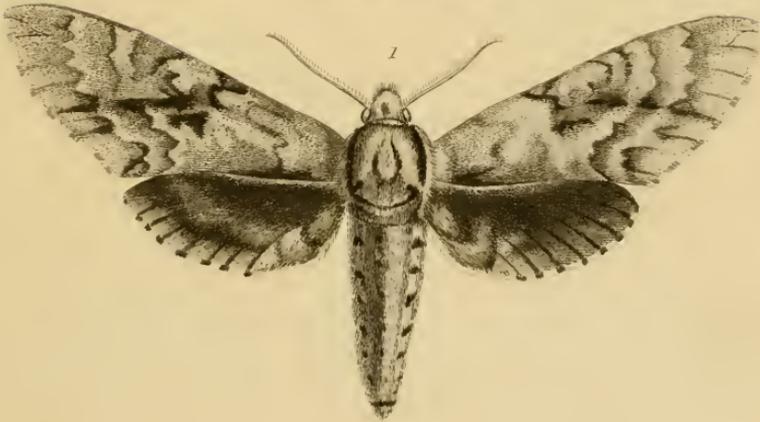
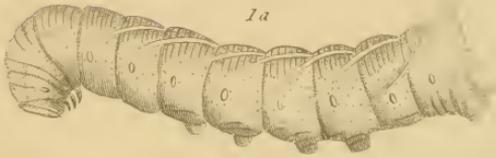
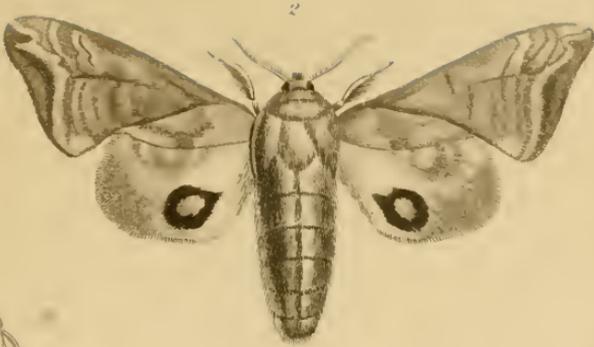
Published by Whatteker & Co. Ave Maria, London, 1852.





- |   |   |
|---|---|
| 1. <i>Chelonia evidens</i> .—Bdv.             | 5. <i>Dicranoura borealis</i> .—Bdv.          |
| 2. Caterpillar of <i>Chel. nubilis</i> .—Bdv. | 6. <i>Lithosia leta</i> .—Bdv.                |
| 3. Details of <i>Chel. chrysothæa</i> .       | 7. <i>Lithosia luteola</i> .                  |
| 4. <i>Callimorpha Lecontei</i> .              | 8. Caterpillar of <i>Lithosia pulchella</i> . |
| 9. <i>Platyptericæ globularia</i> .—Bdv.      |   |



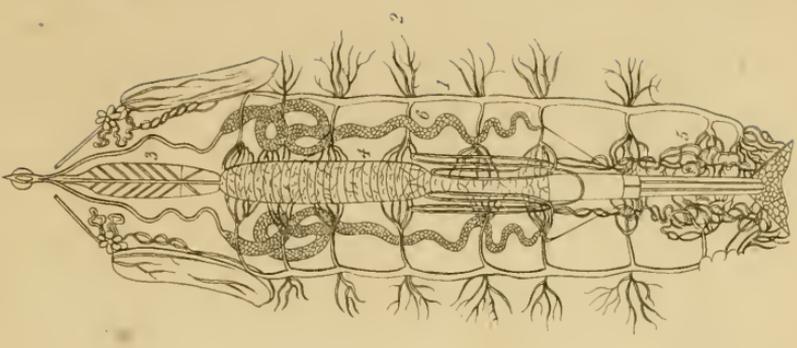


1 *Sphinx jasminearum* .Bdv

2 *Smerinthus lo* .Bdv.

3 *Sestia asilpennis* .Bdv

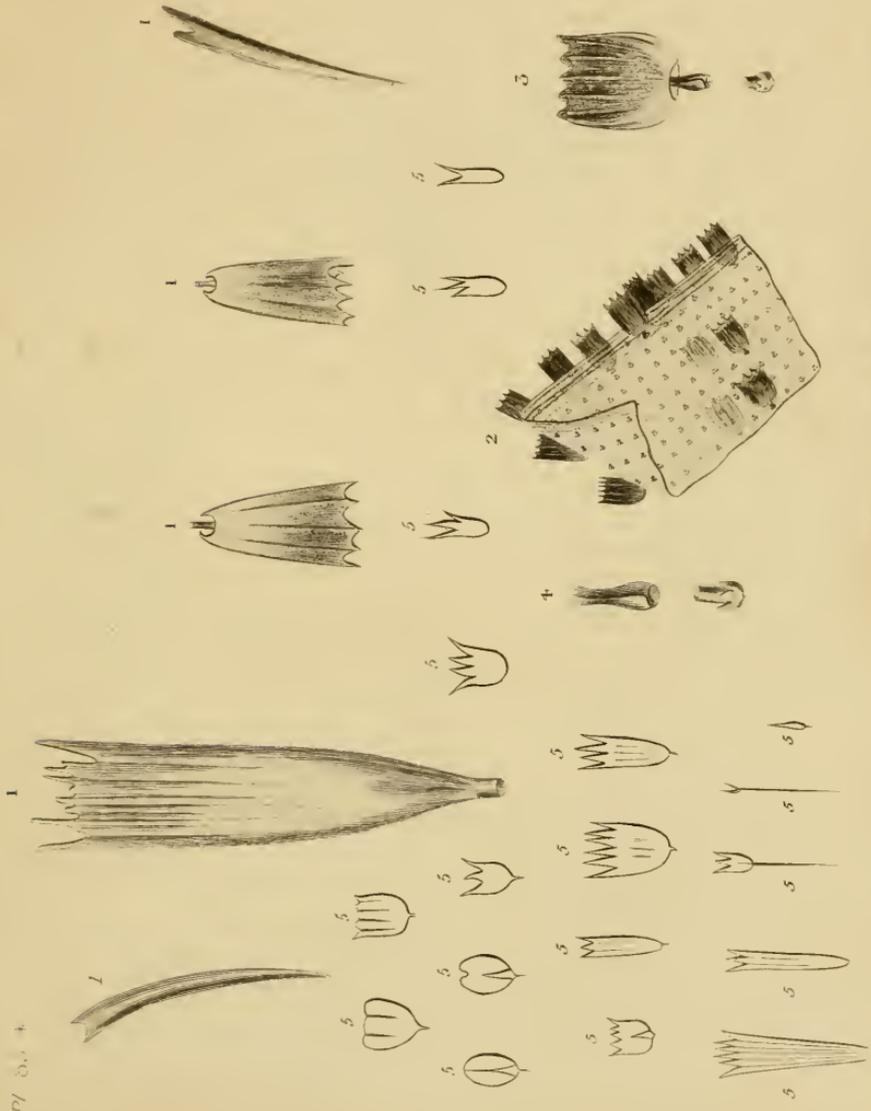




1 Trachea. 4 Stomach.

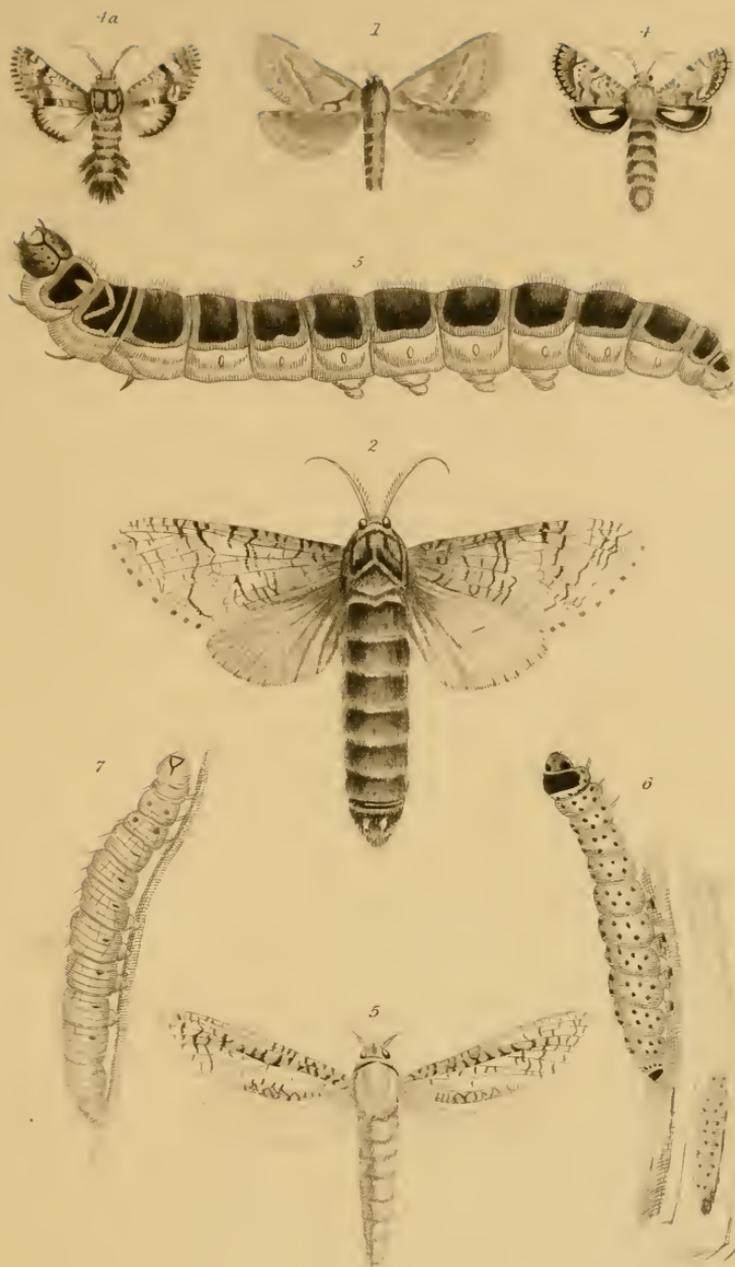
2 Bronchia. 5 Lower Intestines.

3 Esophagus. 6 Silk Reservoir.



Feathers or Scales of Lepidoptera — Pl. 1





1, *Hepialus lupulinus*. Fab.

4 *Stygia australis*. Latr.

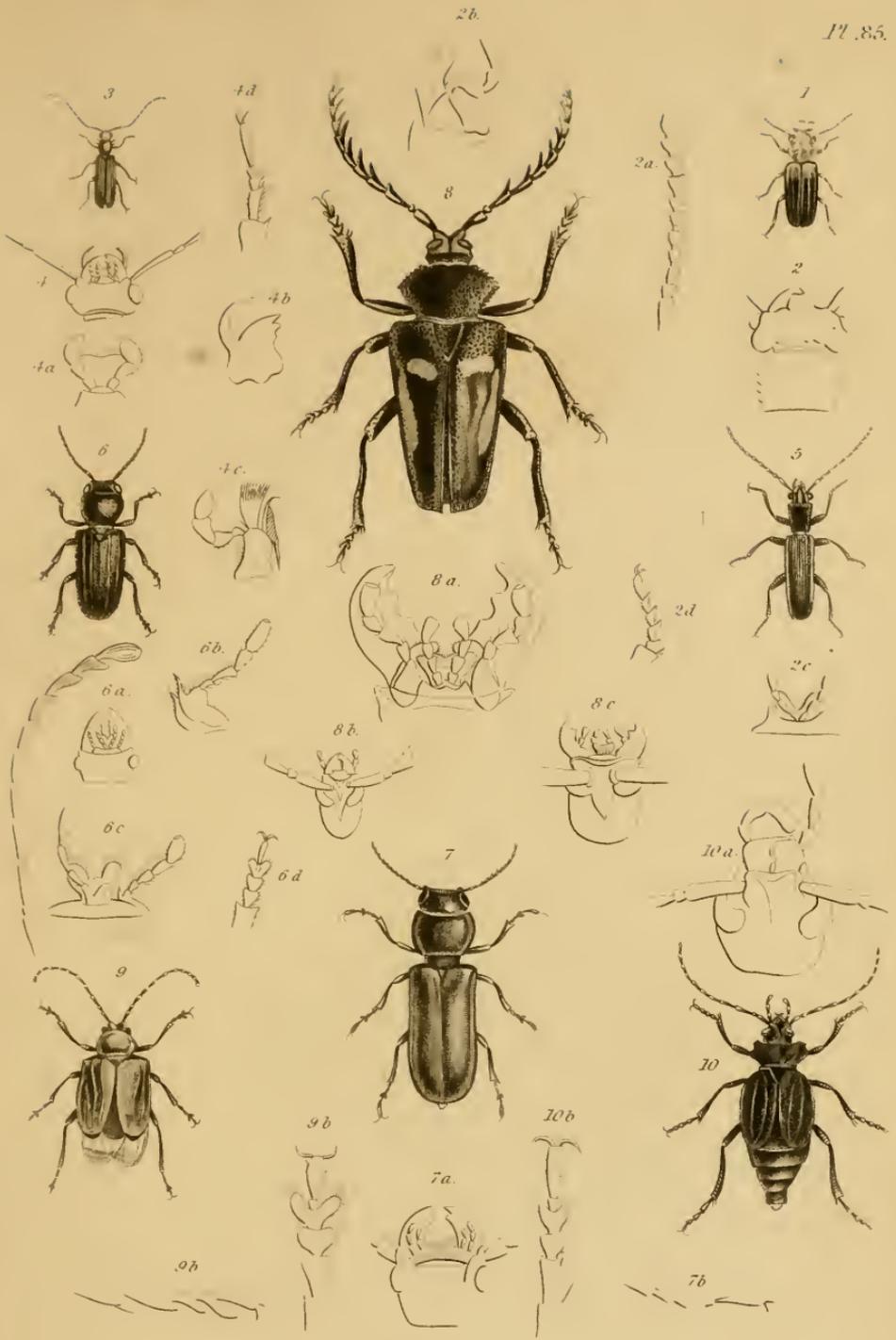
2, *Cossus Macmurtrei*. B. & V.

5, *Zeuzera scalaris*. Donov.

3 Caterpillar of *Cossus ligniperda*. Fab. 6, caterpillar of *Zeuzera asculi*. Fab.

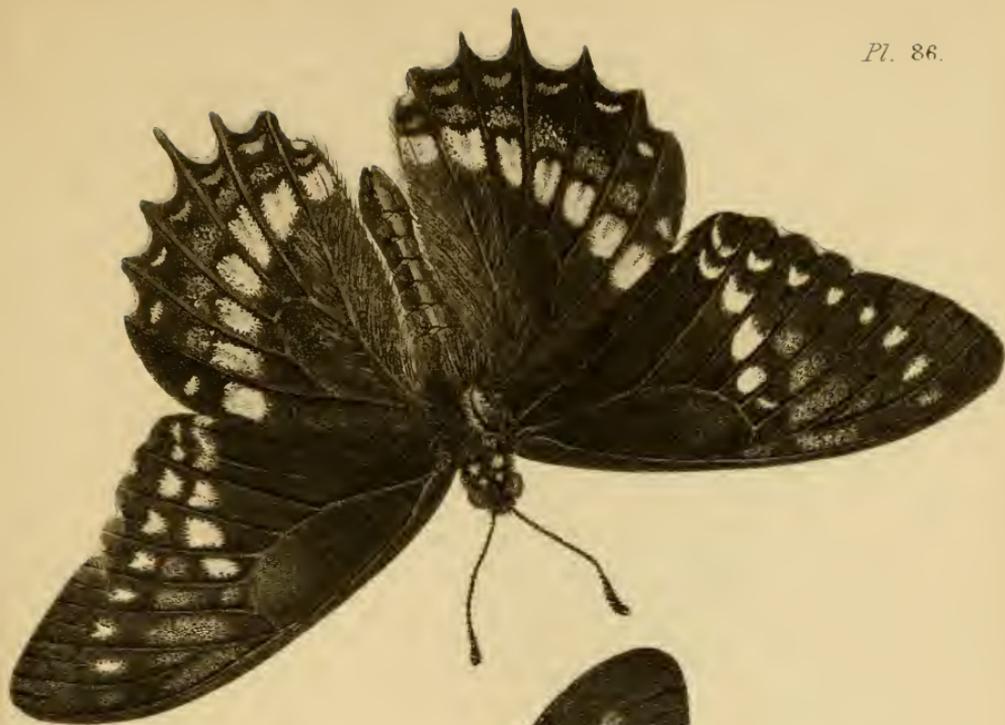
7, caterpillar of *Hepialus humuli*. Fab.





- |  |   |
|--|---|
| 1 <i>Ucujus mandibularis</i> . Gory.         | 6. <i>Spondylus buprestoides</i> . Fab.     |
| 2. Details of <i>Ucujus depressus</i> . Fab. | 7. <i>Paranda lineola</i> . Gory.           |
| 3 <i>Brontes spinicollis</i> . Gory.         | 8. <i>Prionus Desmarestii</i> . Guér.       |
| 4 Details of <i>Brontes flavipes</i> . Fab.  | 9. <i>Anacolus sanguineus</i> . Serv.       |
| 5. <i>Dendrophagus crenatus</i> . Foyt.      | 10. <i>Prionapterus staphulinus</i> . Guér. |

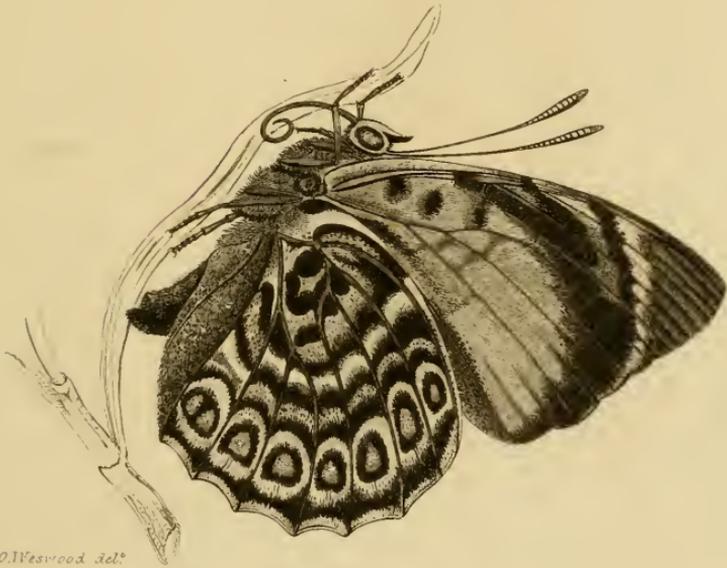
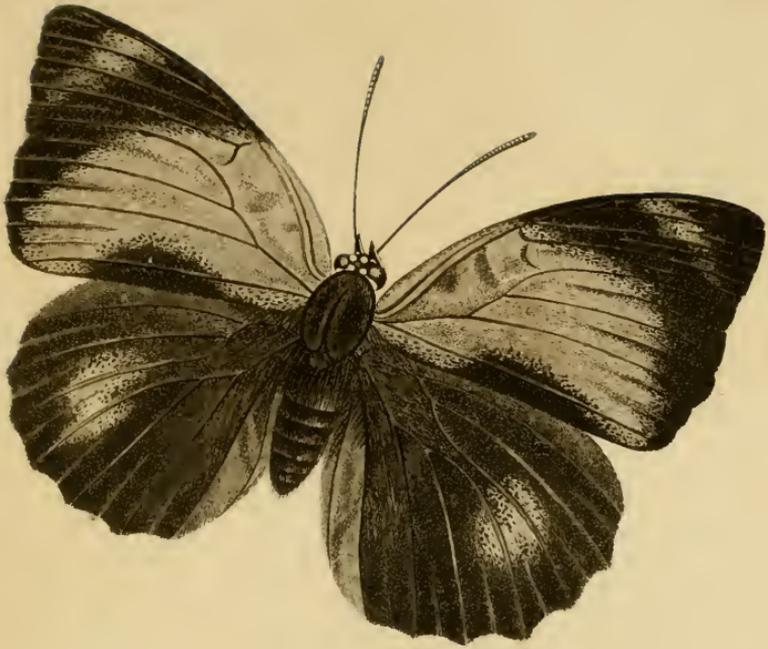




L.O. Westwood del<sup>s</sup>

*Papilio cleotas*. G.R. Gray.

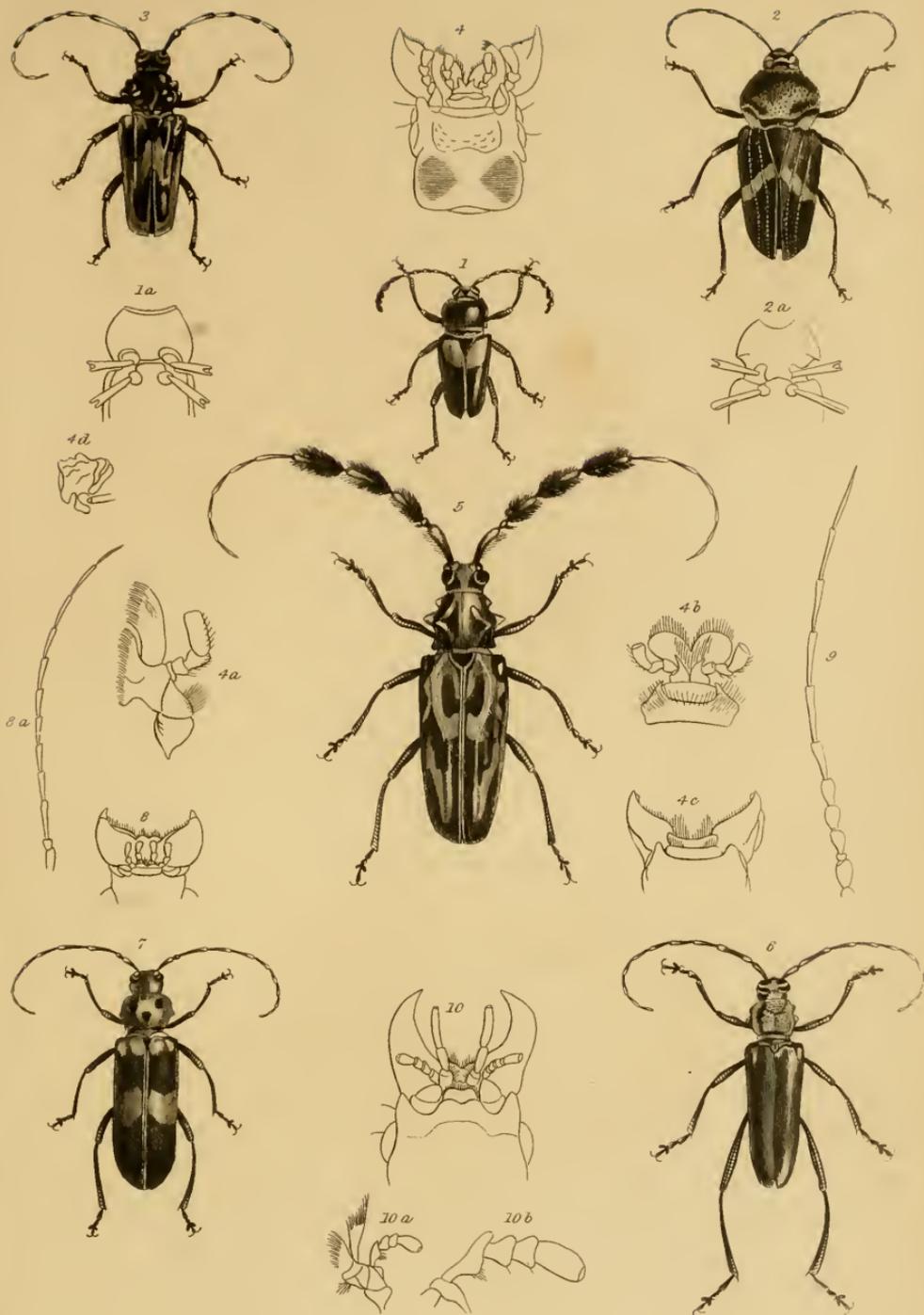




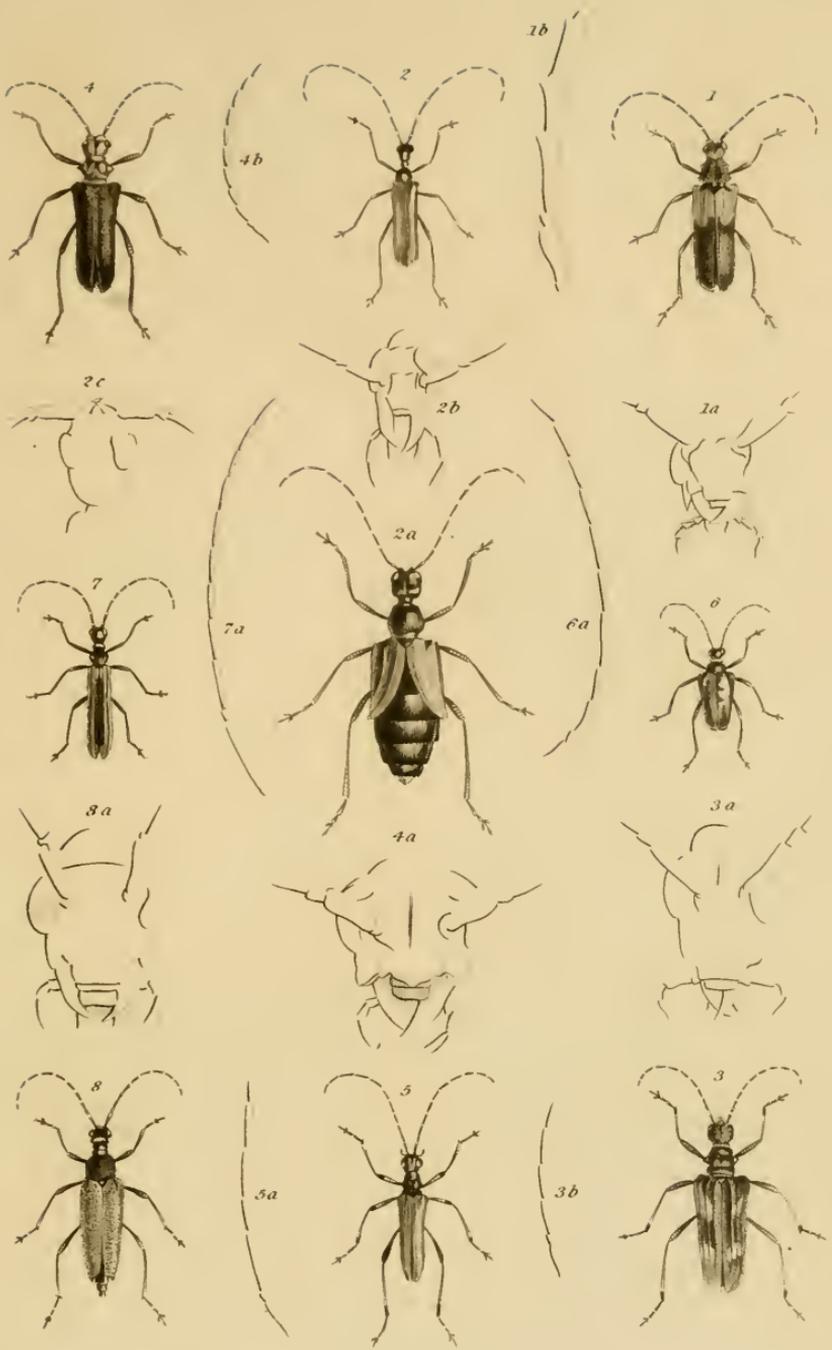
*I.O. Weswood del.*

*Nymphalis Annetta*.—G.R. Gray.



1. *Lissonotus unifasciatus*.—Gory.2. *Megaderus stigma*.—Fab.3. *Trachyderes nigrofasciatus*.—Gory.4. Details of *Trachyderes succinctus*.—Fab.5. *Lophonocerus barbicornis*.—Oliv.6. *Callichroma speciosa*.—Gory.7. *Acanthopterus tripunctatus*.—Gory.8. Details of *Acanthopterus hulensis*.—Goeze.9. Ant. of *Cerambyx heros*.—Fab.10. Details of *Cer. hemipterus*.—Oliv.

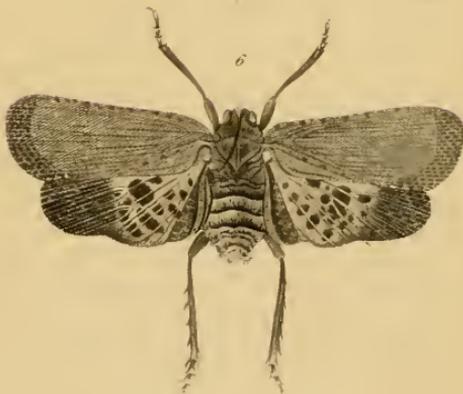
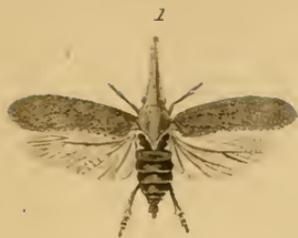




1 *Desmocerus cyaneus* Fab  
 2 *Vesperus graxus* Guér  
 3 *Rhamnum bitarsiatum* Fab.  
 4 *Rhamnusium salcis* Fab.

5 *Toxotus meridianus* Fab.  
 6 *Lichyta Laportii* Guér  
 7 *Stenoderus ceramboides* Kirby  
 8 *Leptura annulata* Gory.





L.O. Westwood del.

- 1 *Fulgora punctata* - G.R. Gray    4 *Pezoloptera antica* - Westw  
 2 *Fulgora pallida* - G.R. Gray    5 *Lustria pulchra* - G.R. Gray  
 3 *Trophora Handwickii* - D.    6 *Fulgora nigromaculata* - D.





I. O. Westwood del.

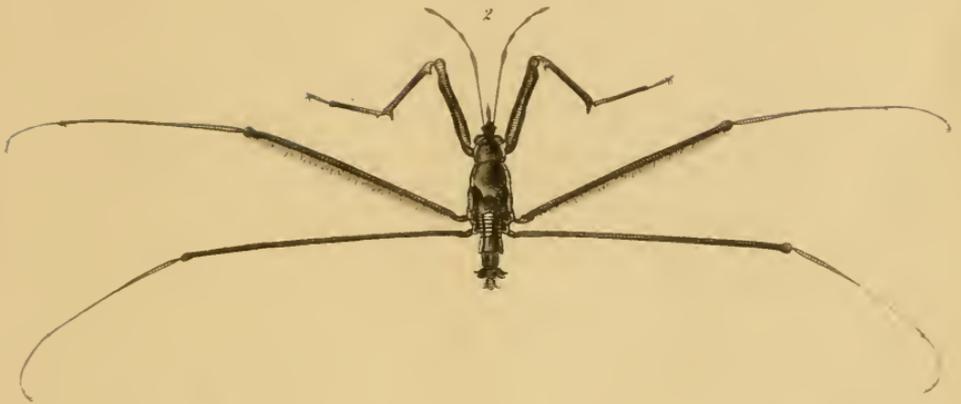
- 1 *Reduvius spini dorsis* G. R. Gray.
- 2 *Reduvius dorsalis* G. R. Gray.
- 3 *Reduvius tuberculatus* G. R. Gray.





1. *Scutellera basalis*. G.R.Gray. 3. *Lygaeus grandis*. G.R.Gray.  
 2. *Canopus punctatus*. Leach's MSS 4. *Coreus bicolor*. G.R.Gray.  
 5. *Alidus pellucidus*. G.R.Gray.

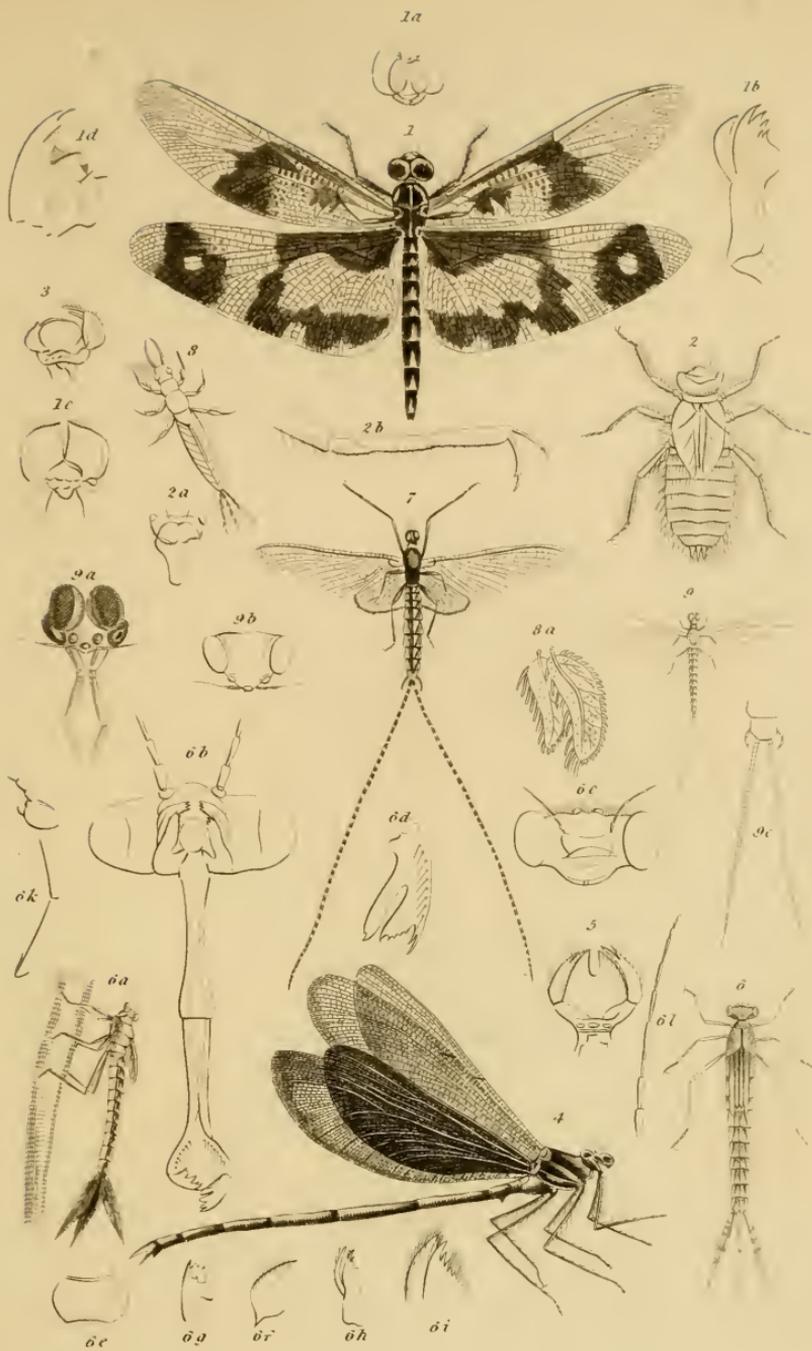




J. O. Westwood del.

1. *Tesseratoma ossa-ruenta* Hope MSB
2. *Gerris laticauda* Howard
3. *Belostoma marginata* Girard
4. *Syrtes fasciata* Girard.





1 *Libellula Indica* Fab.

2 Nymph of *Libellula depressa* Lin.

3 Lower lip of *Aeshne* of Egypt

4 *Agrion chinensis* Guér. Fab.

9. *Ephemera bicolorata* Fab.

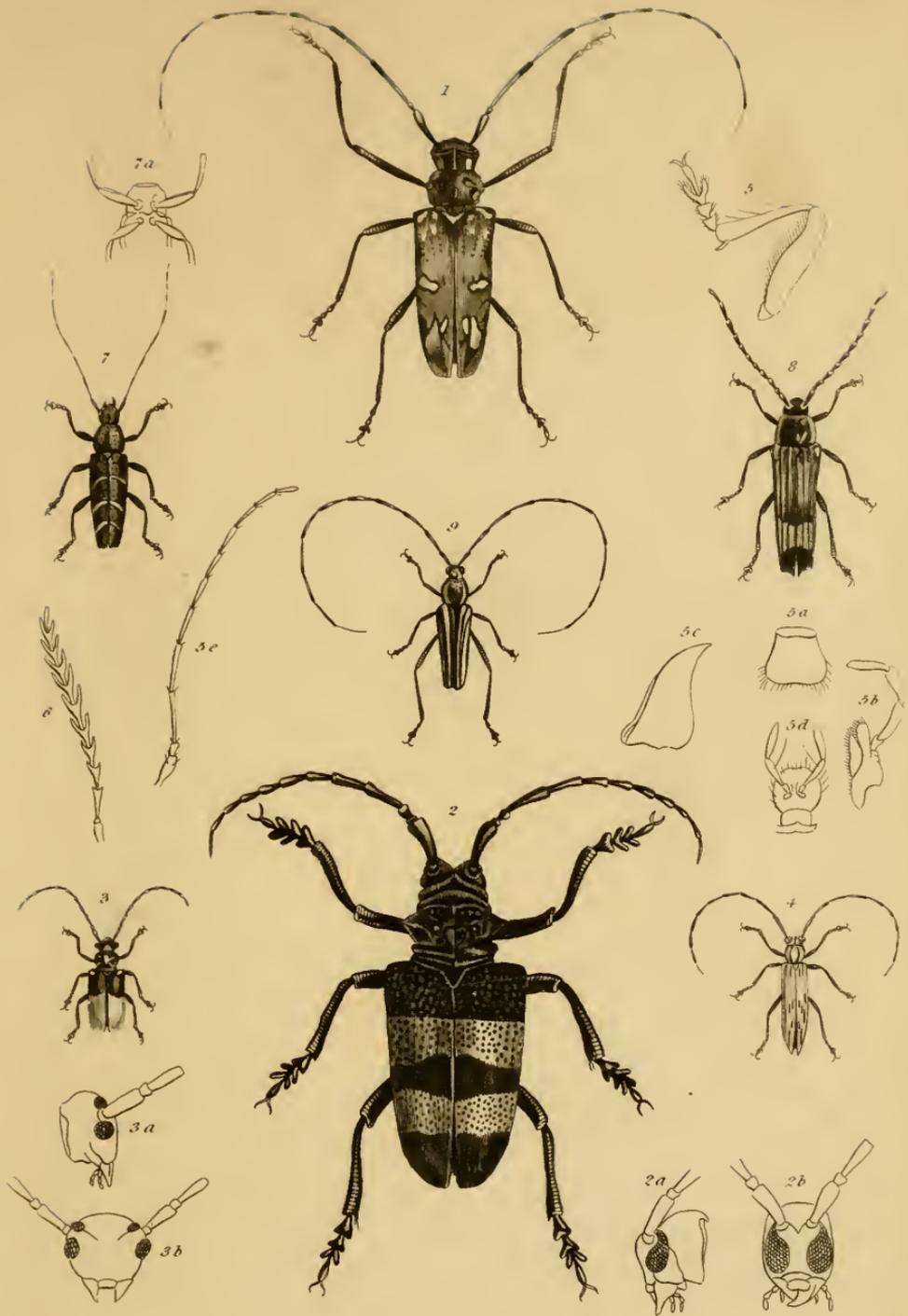
5 Lower lip of *Agrion virgo* Fab.

6 Nymph & details of *Agrion puella* Lin.

7. *Ephemera limbata*, Serv.

8. Larva of *Ephemera vulgata* Lin.



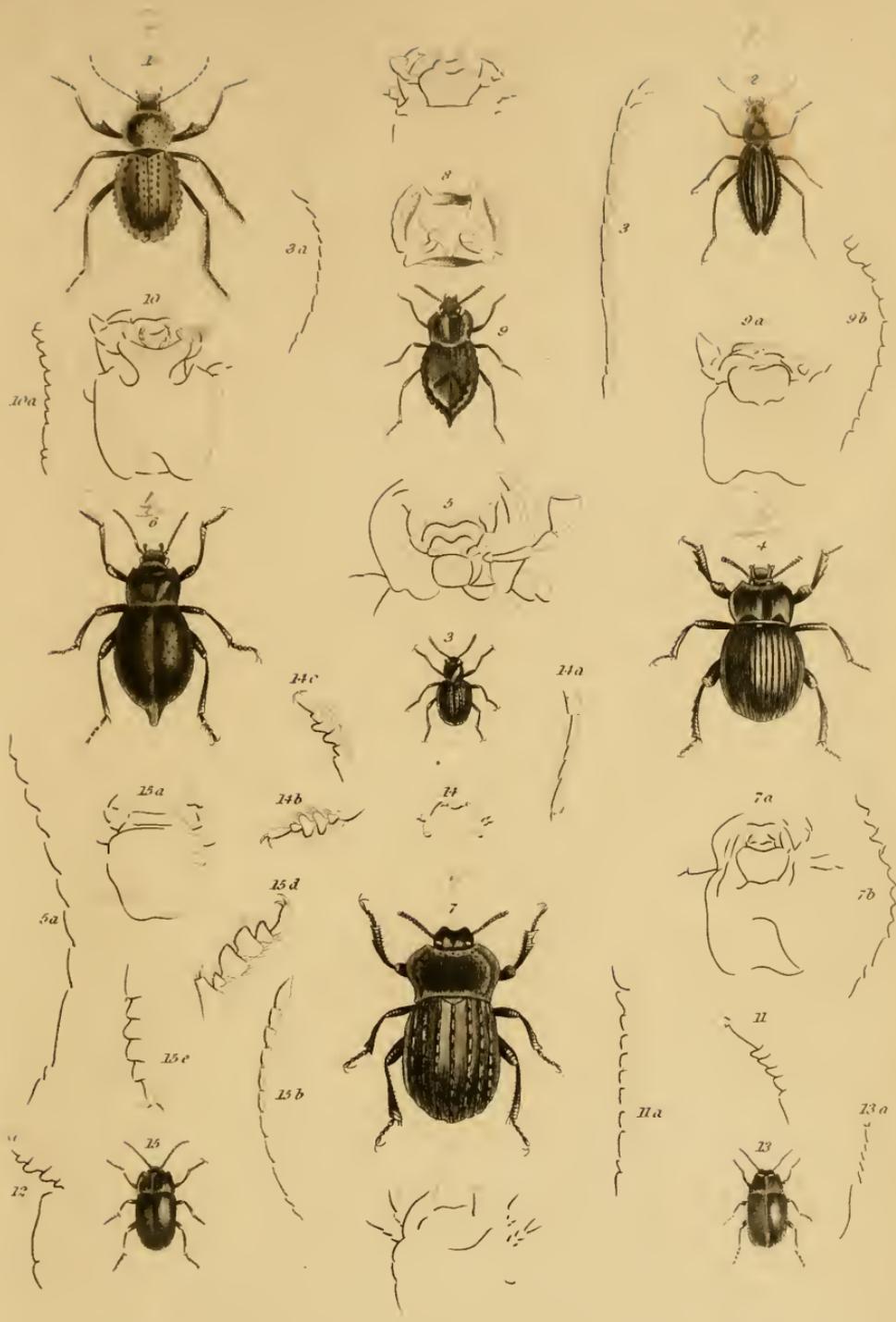


1. *Acrocyus trochlearis*. - Gory.  
 2. *Lamia aurocincta*. - Gory.  
 3. *Tetraopes dimidiata*. - Gory.  
 4. *Saperda albicans*. - Guér.

5. Details of *Saperda Atkinsoni*. - Curtis.  
 6. Ant. of *Distichocera maculicollis*. - Kirby.  
 7. *Imesisternus bizonulatus*. - Guér.  
 8. *Tragocerus bidentatus*. - Donov.

9. *Leptocera bilineata*. - Gory.





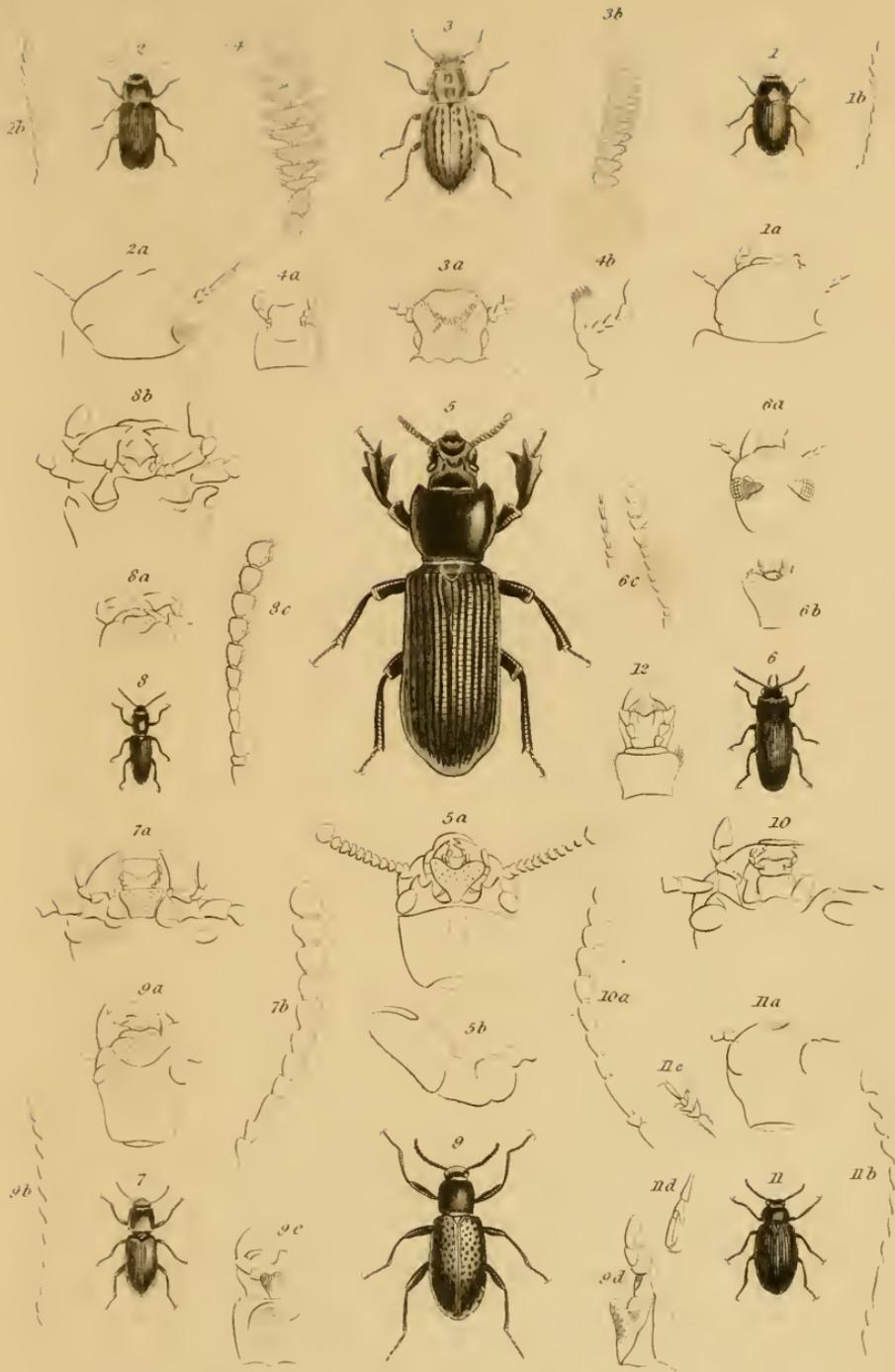
*Cyrua setosa*. Kirby  
*Acanthomera gracilla*. Guér Herbst.  
*Mesolampus Herimansgüi*. Latr  
*Blaps mortisaja*. Fab.  
 Mouth & Ant of *Blaps subcata*. Fab. 10. M<sup>th</sup> & Ant of *Asyda larvifera*. Fab. 13. *Platyscolis gages*. Fisch.  
*6. Genopus tibialis*. Latr  
*7. Anomalipes dentipes*. Lat Fab  
*8. Corslet of Machla villosa*. Herbst.  
*9. Scutinus brasiliensis*. Gory.  
*11. Tarse & Ant of Cyatrinus chl<sup>s</sup> Dej.*  
*12. D<sup>s</sup> of Heliophilus Hispanicus. Dej*  
*13. Peltinus gibbosus. Gory.*  
*14. Details of Blapstium punct<sup>s</sup> Sch.*





1. *Nematopus rufoscutellatus*. G. R. Gray.  
2. *Zelus rufescens*. G. R. Gray.  
3. *Ethesa filum*? Fab.



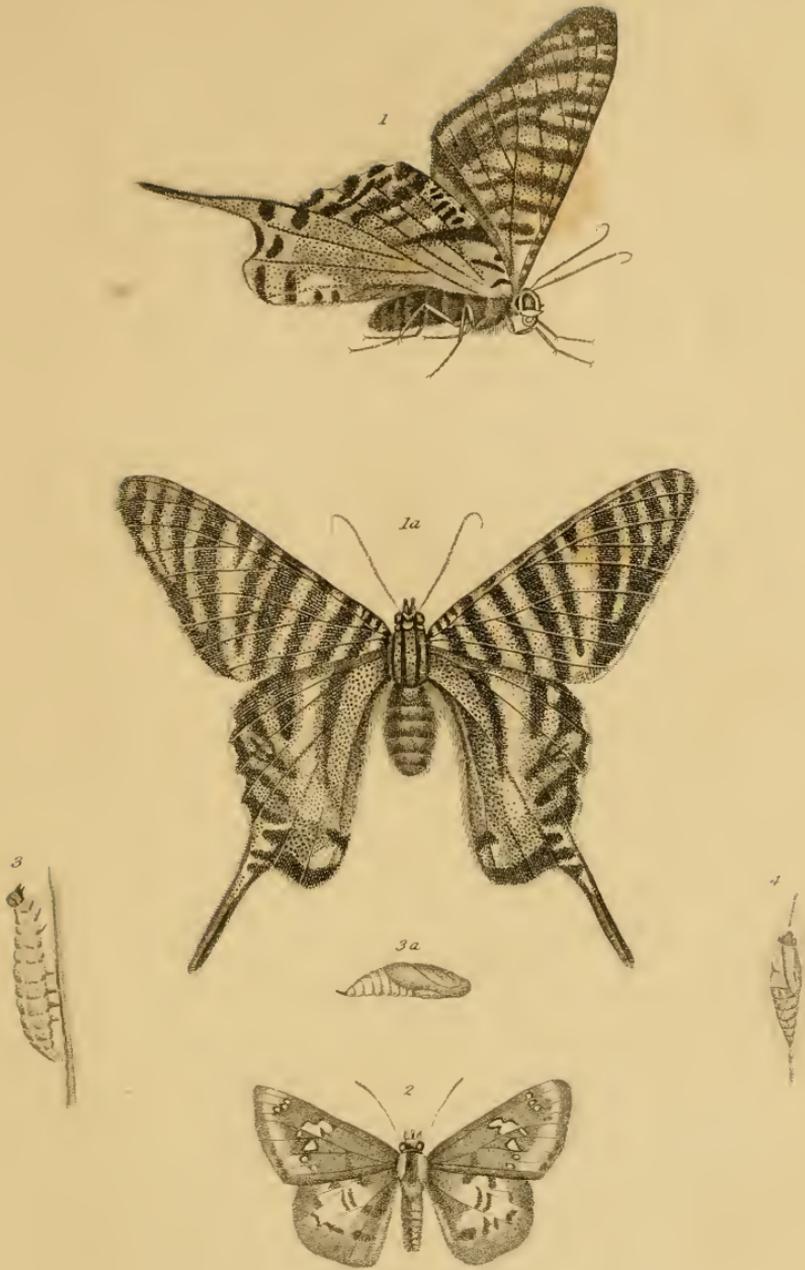


1 *Crypticus subbulbus* Sch  
 2 *Opotrium elongatum* Guér.  
 3 *Corticus celtis* Germ.  
 4 Details of *Orthocerus muticus* Lat.

5 *Charoescelis bienestrata* Lam.  
 6 *Toxicum curvicoxne* Chev.  
 7 *Beros thoracicus* Grav.  
 8 *Calcar elongatus* Herbst

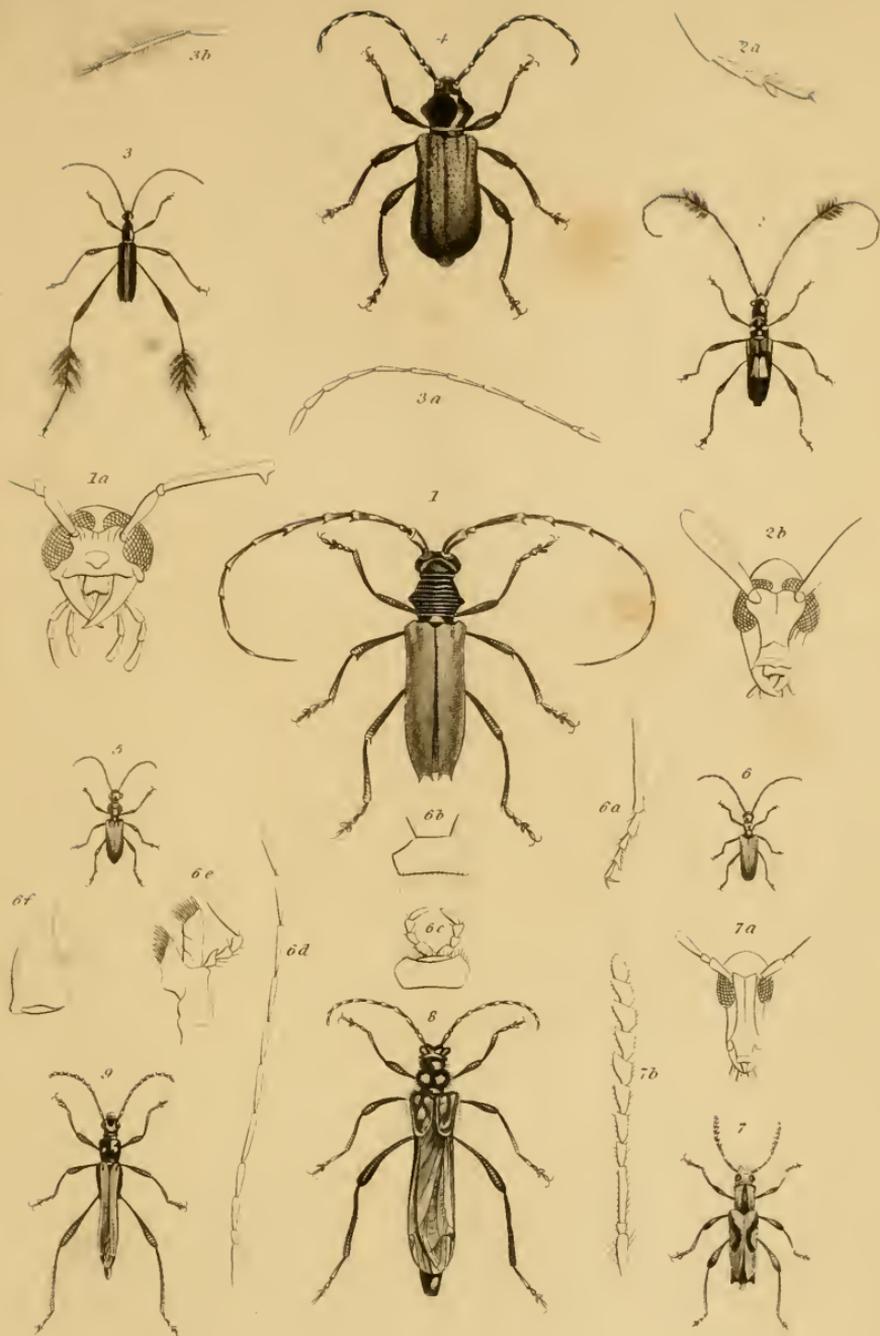
9 *Upis ceramboides* Fab.  
 10 Details of *Tenebrio molitor* Linn.  
 11 *Heterotarsus tenebrioides* Guér.  
 12 *Tenebrio obscurus* Fab.





1. *Urania Boisduvalii*, G.  
 2. *Hesperia sabadins*, Bdv.  
 3. Cat & Chryx of *Hesperia tages*, Fab.  
 4. *id.* of *Hesperia Linca*, Fab.





1. *Cerambyx rufipennis*.—Gory.

2. *Cerambyx specularis*.—Gory.

3. *Cerambyx lurtipes*.—Gory.

4. *Callidum insubrecum* Ziegler

5. *Certallum ruficollis*.—Fab.

6. *Obrium ferrugineum*.—Fab.

7. *Rhinoträgus coccineus*.—Gory.

8. *Necydalis major*.—Lin.

9. *Stenopterus elegans*.—Blug.





1. *Meramerus Kingii*.

2. *Larophagus Banksiae*.

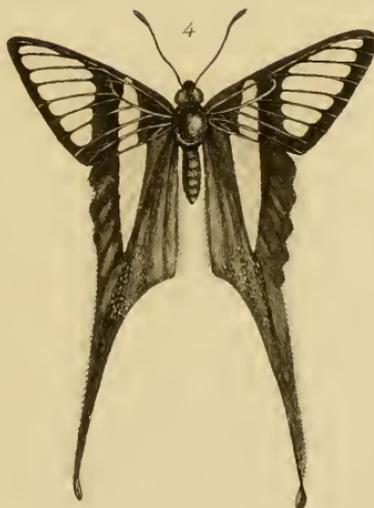
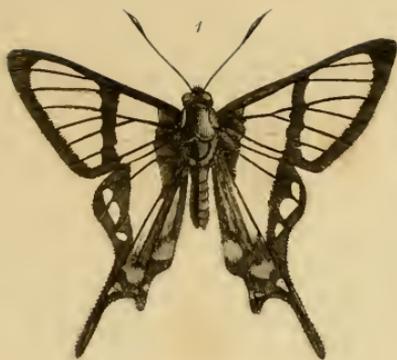
3. *Gonioptera auricoma*.

4. *Chelobasis bicolor*.

5. *Cryptocephus rugicollis*.

6. *Doryphora princeps*.





1 *Erycina chorinca* Xanthippe & R. Gray

2 *Erycina lorila* Jasteris & R. Gray

3 *Barbicornis chroma* basalis Lat. Gei

4 *Erycina (Lamproptera) curius* & R. Gray





1 *Sericaria raniceps* Bdr.

2 *Serie tessellata*

3 *Notodonta ziezæ* Lin.

4 *Oryzia detrita* Bdr.

5 *Ory gonostigma*

6 *Limacodes delphiniæ*

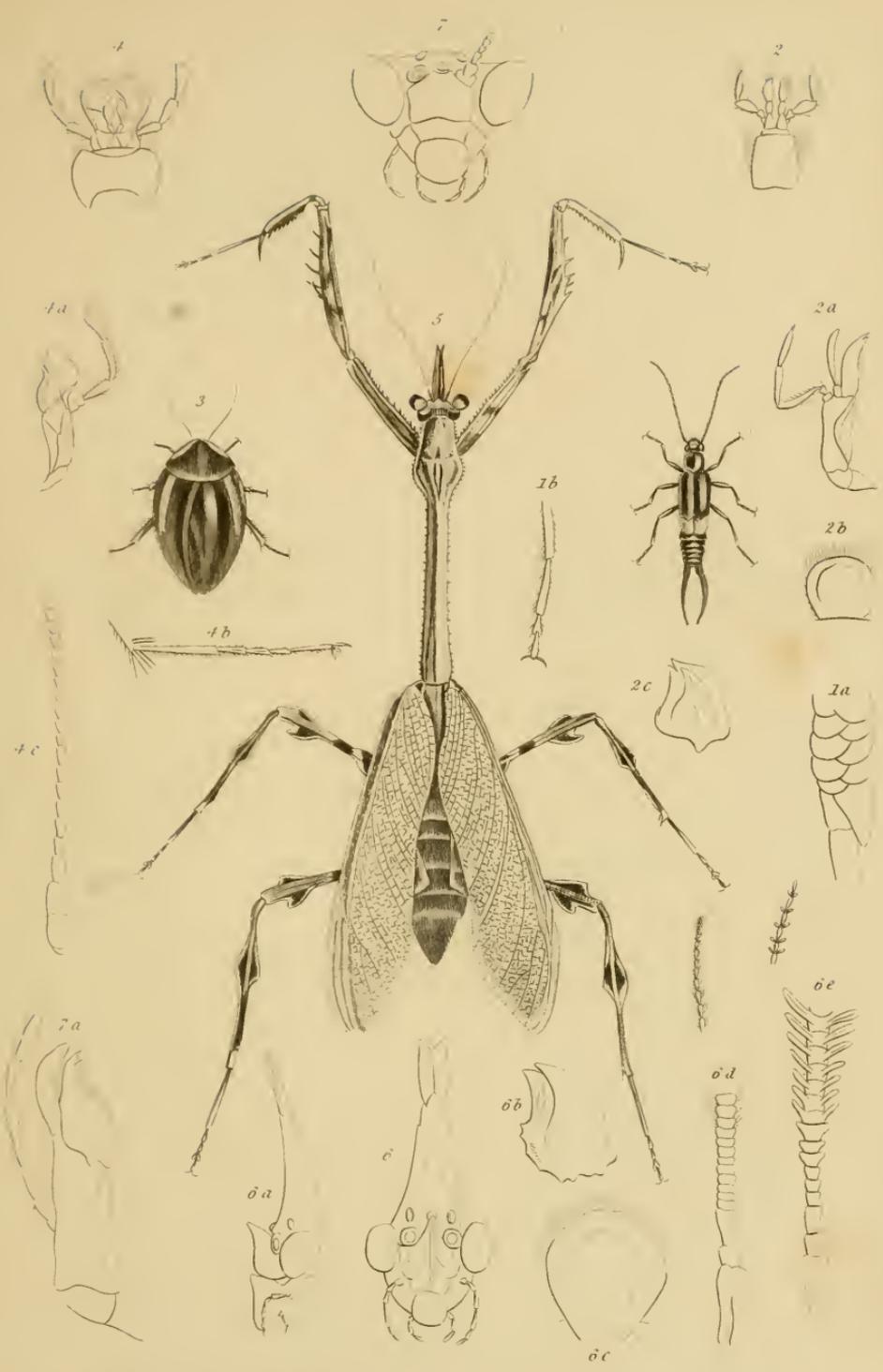
7 *Limæ strigata*

8 *Limæ indeterminatus*

9 *Psyche cavella*

10 *Psyche nitidella*





1 *Delia* (*Sphenophora*) *Servipropennis*..Serv.

4 Details of *Blatta* *Aegyptiaca*..Fab.

2 Details of *Forficula* *auricularia*..Lin.

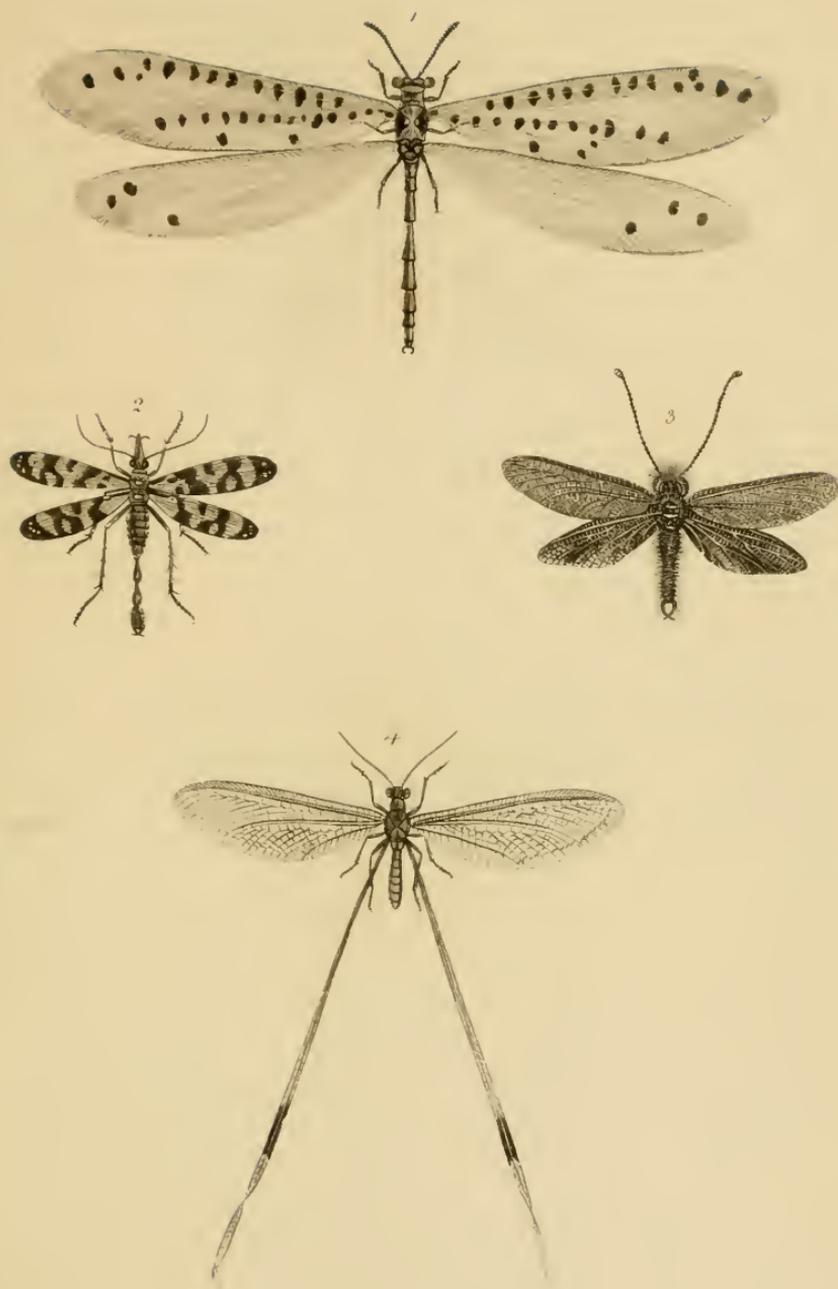
5 *Empusa* *lobipes*..Olivier.

3 *Blatta* (*Pheraspis*) *Servipicta*..Fab.

6 Details of *Empusa* *pauperata*..Fab.

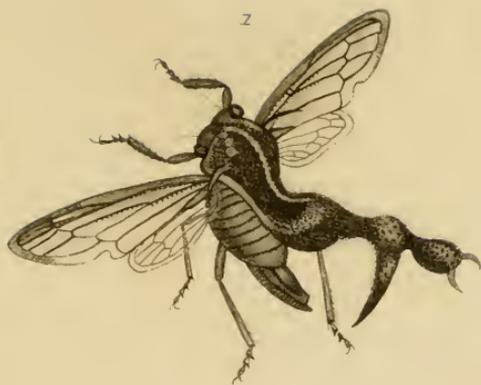
7 Details of *Blatta* *religiosa*..Lin.





1 *Myrmeleon erythrocephalum* Leach      3 *Ascalaphus barbarus* Fab.  
 2 *Panorpa rufa* G.R. Gray.              4 *Nemoptera Africana* Leach.

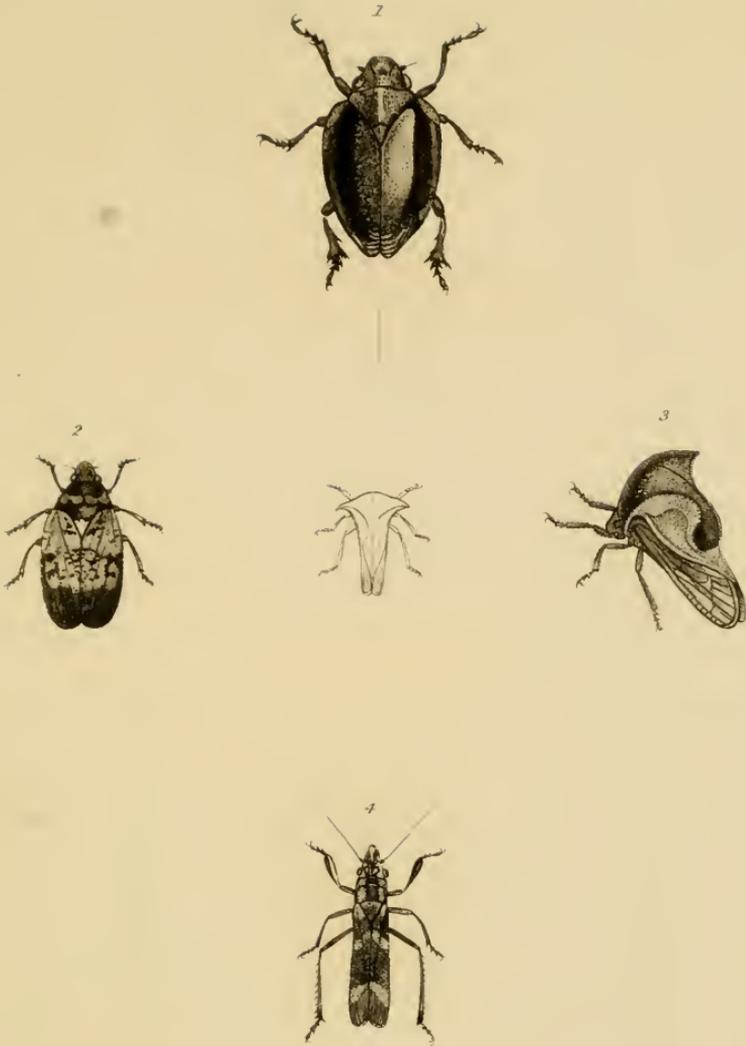




J. O. Westwood del.

- ☐ 1 *Centrotus furcatus* — G. R. Gray
- ◊ 2. *Centrotus globularis* — Pallas

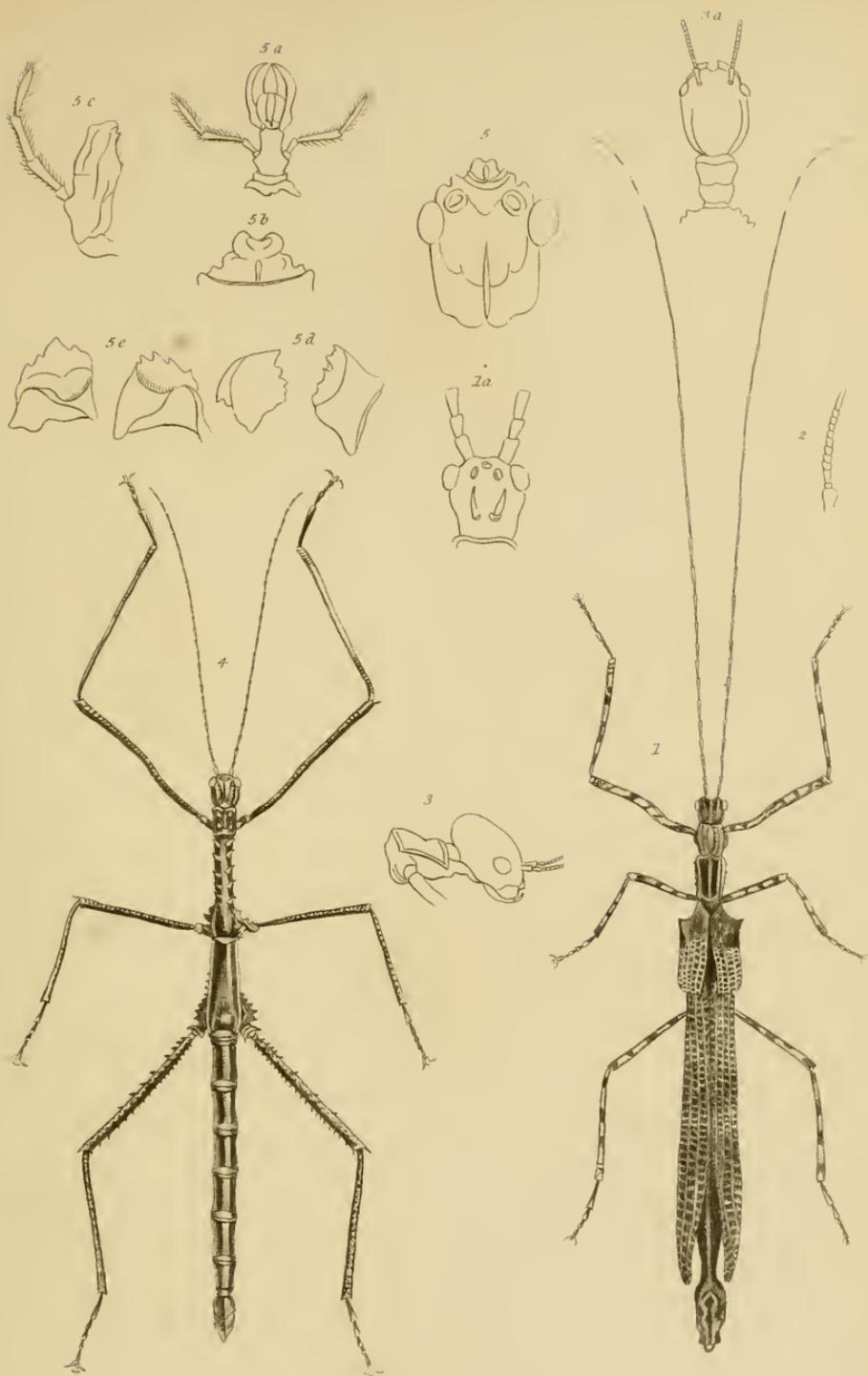




J. O. Westwood del.

- ♂ 1 *Orthorapha cassidivides* — Westwood  
 ♂ 2 *Carpus fulvoscutellata* — G. R. Gray  
 ♂ 3 *Darus camelus* — G. R. Gray.  
 ♂ 4 *Cicada fulvofasciata* — G. R. Gray





1 *Phasma annulata* Serv

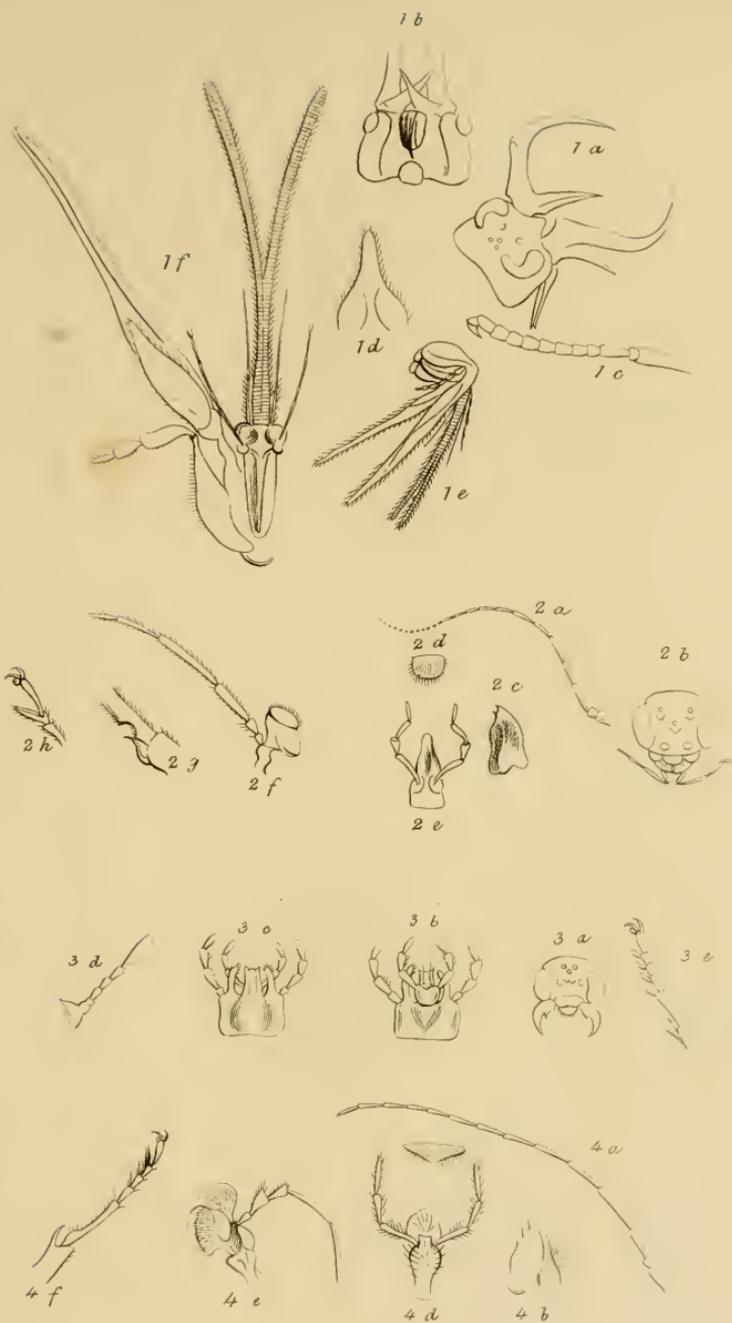
2 Ant of *Bacillus*

3 Head of *Cyphocrana*.

4 *Bacteria scabrosa* Perdi

5 Details of *Cladoxerus rosapennis* Guér



1 *Synargris cornutus*3 *Perga scutellata*2 *Stephanus Brasiliensis*4 *Megalyra facipennis*





1a



J. Westwood del<sup>t</sup>

1 *Alphaneara rufescens* —Westwood.

2 *Crocisa nitidula* —Jurine

3 *Polistes apicalis* —G.R. Gray.

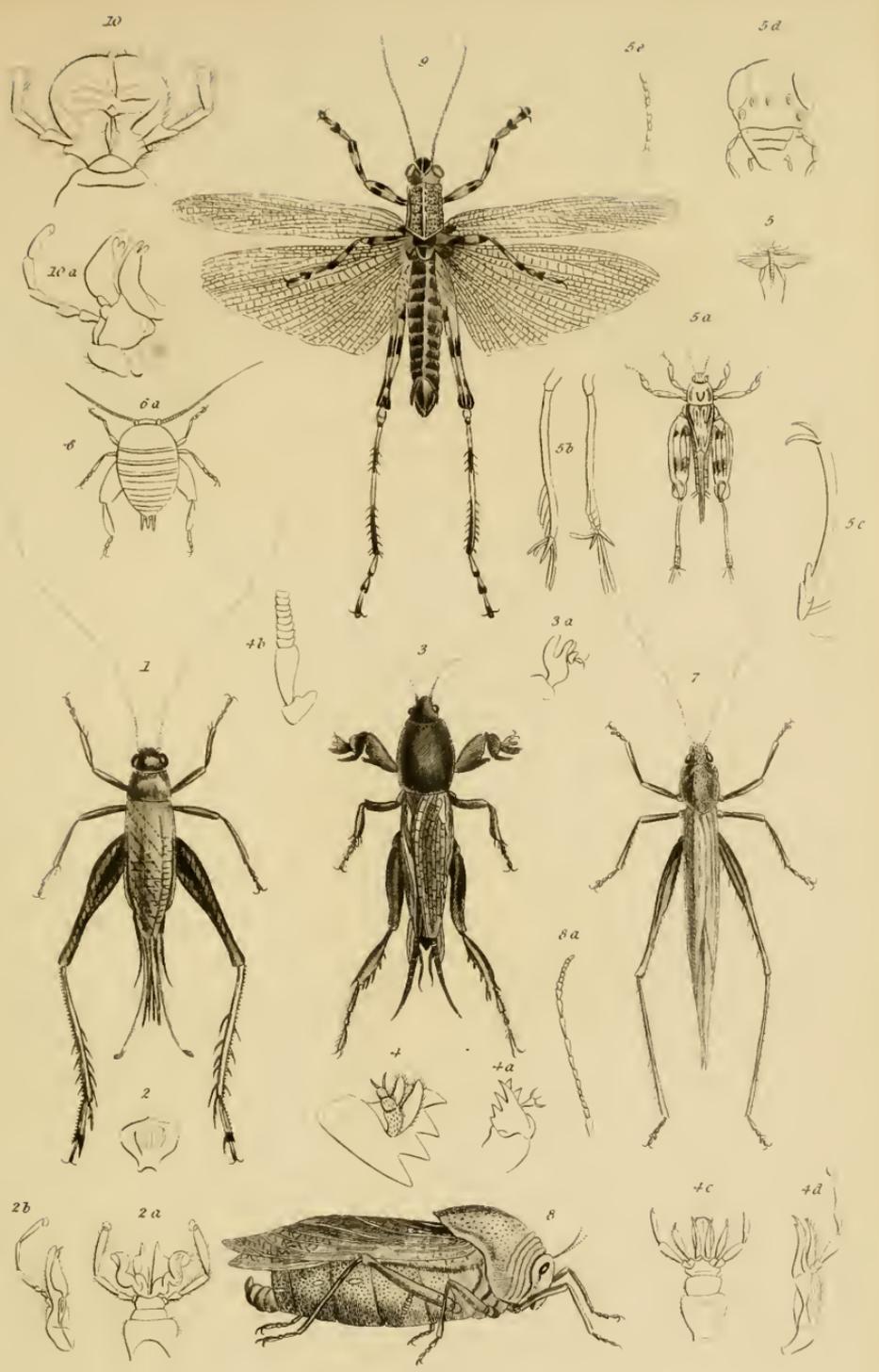




J. O. Westwood del<sup>t</sup>

*Eriomera Childersæ* — G. R. Gray

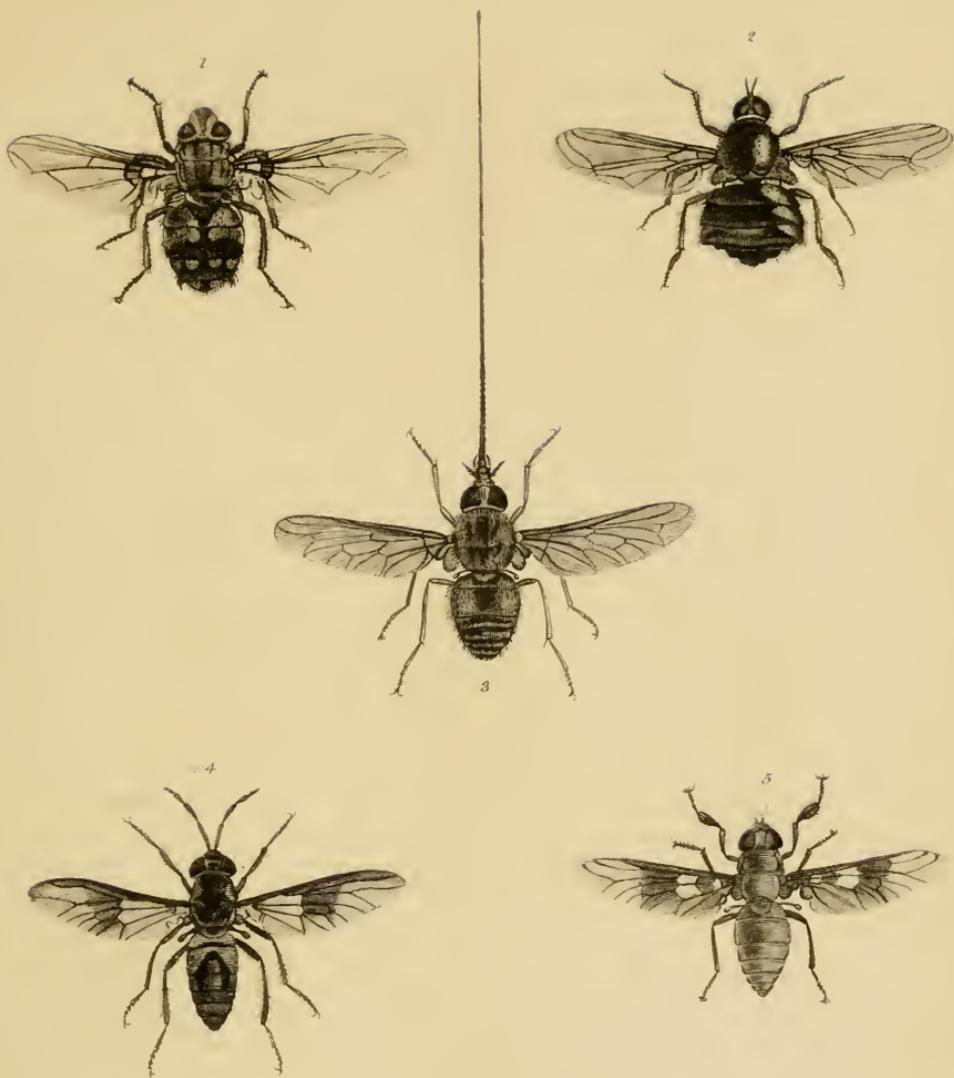




1. *Gryllus servillii* Guér.  
 2. Details of *Gryllus campestris* Fab  
 3. *Gryllotalpa didactylus* Latr  
 4. Details of *Gryllus vulgaris*  
 5. *Didactylus tarsatus* Perch.

6. *Mormonacris acerorum* Panzer.  
 7. *Locusta erythrosoma* Eucyd.  
 8. *Pezomera inanis* Fab  
 9. *Acrydium tarsatum* Serv.  
 10. Details of *Acrydium migratorum*





1. *Eutilia Australasia* G.R.Gray

2. *Boris violaceus* G.R.Gray.

3. *Panonia longirostris* Harw.

4. *Hannatopeta lunata* G.R.Gray.

5. *Tabanus Africanus* G.R.Gray.





*Transformations of the Butterfly*

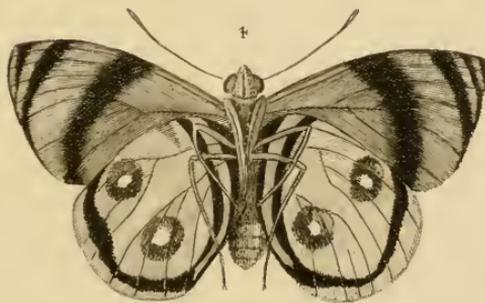
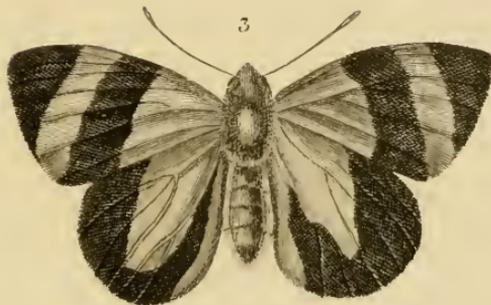
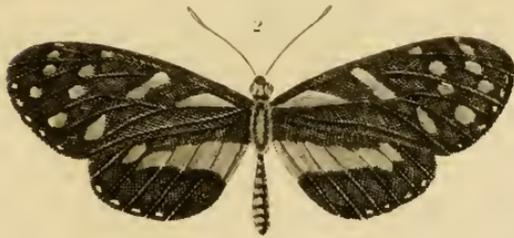
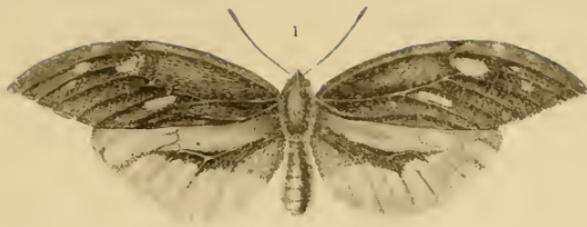






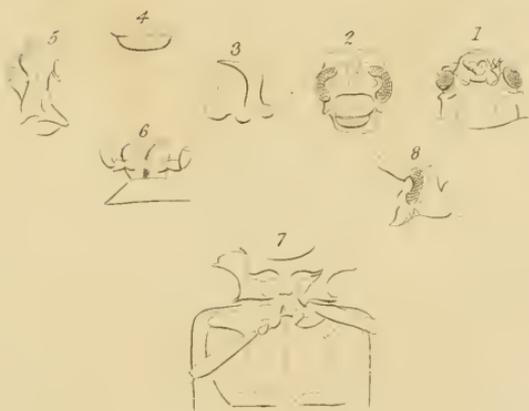






1. *Pieris Aeneas*. Lat. 2. *Heliconius cyrene*. Lat. 3. & 4. *Nymphalis Pitheas*. Lat.





J. O. Westwood, del.

*Cetoderus Childroni*. G. & L. Gray





1. *Thyris sepulchralis*. Bdv.

2. *Epocera rectinera*. Bdv.

3. *Zigena pulchella*. Bdv.

4. *Zigena filipendulæ*. Lin.

5. *Procris nebulosa* ♀ Hlug.

6. *Syntomis myodes*. Bdv.

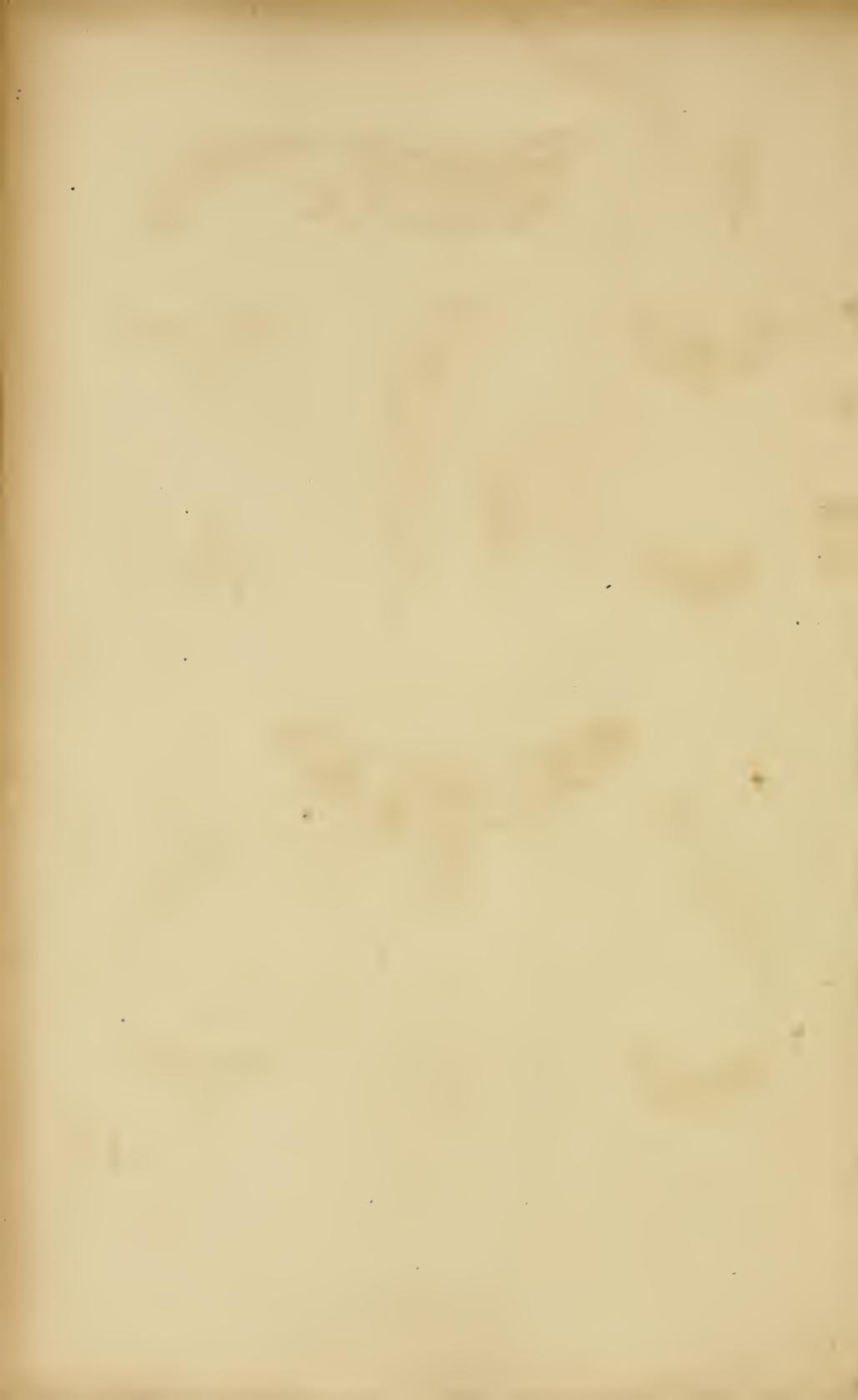
7. *Syn. phægea*. Fab.

8. *Atydia pumila*. Ch. Lat. 3 5

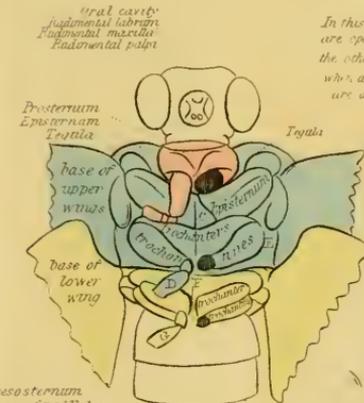
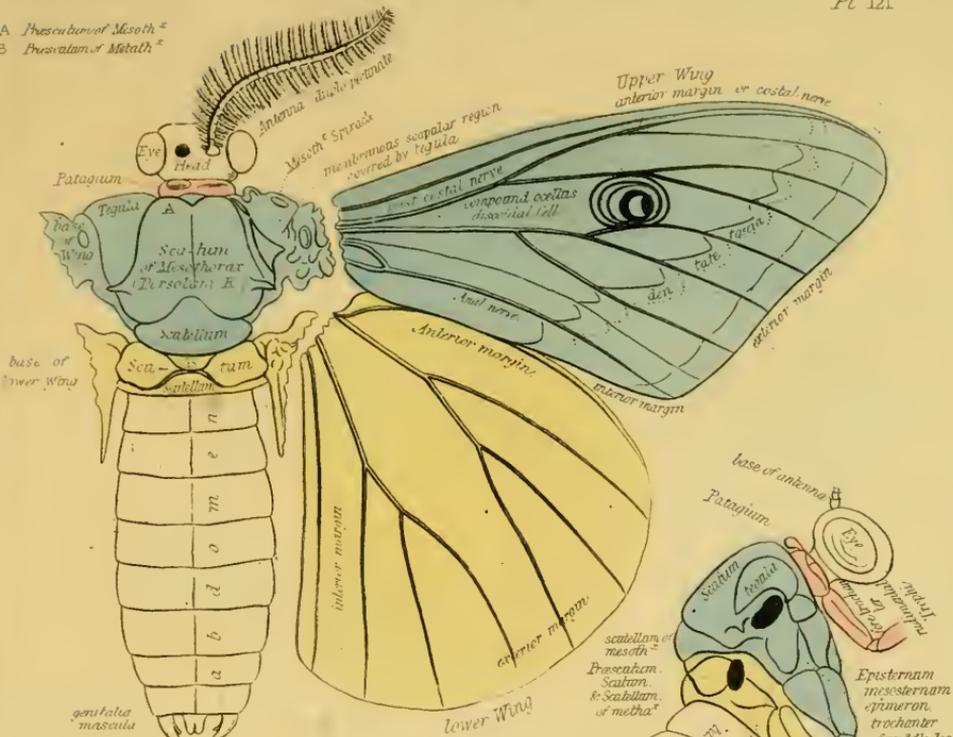
9. Cat & Chrys. of *Uphloape infousta*

10. *Glaucoptis Follétii*. Fäst.

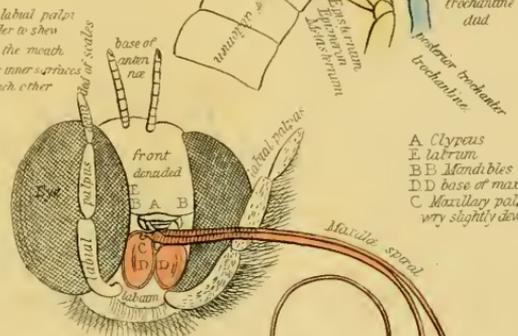
11. *Aglaope americani*. Bdv.



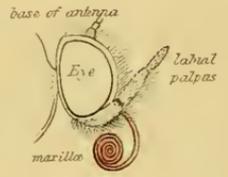
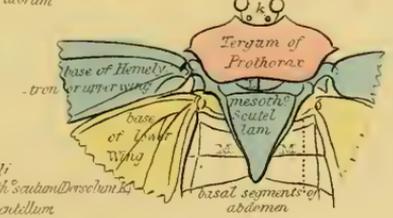
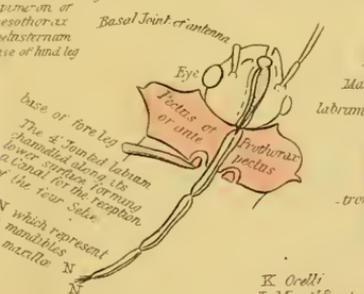
A Presentation of Mesoth.  
B Presentation of Metath.



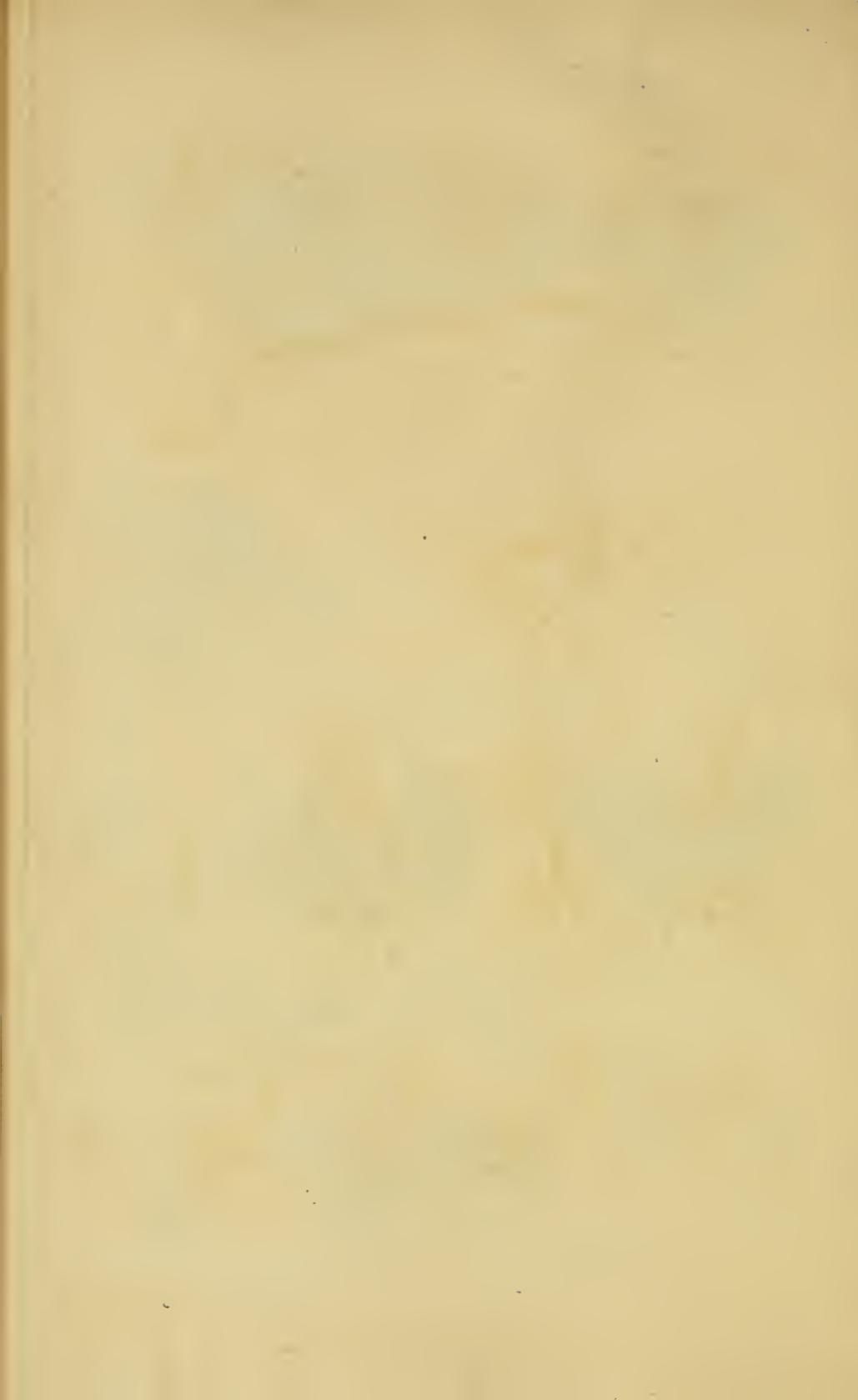
In this figure the labial palpi are spread in order to show the other parts of the mouth which, at rest, their inner surfaces are applied to each other.

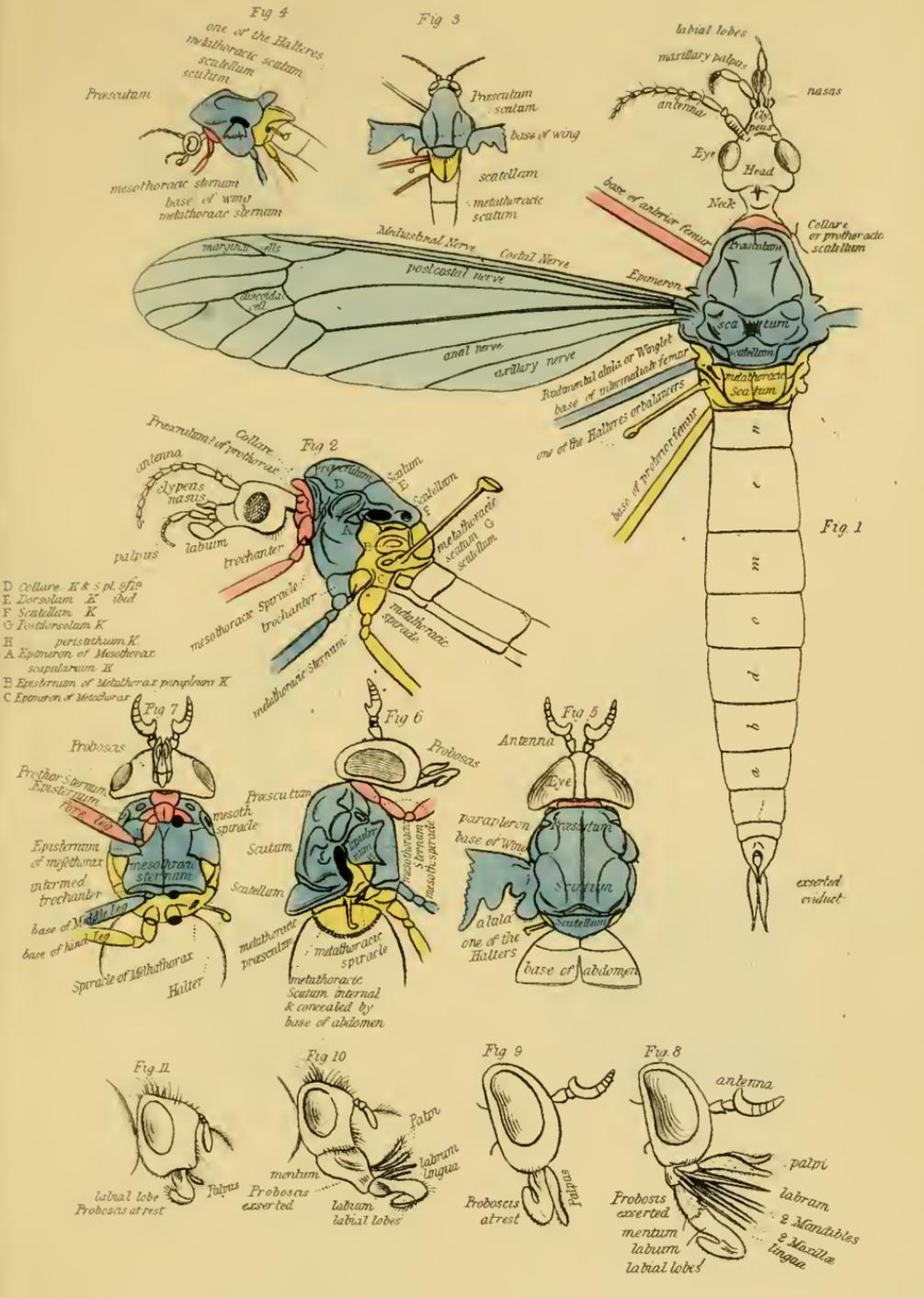


A Clypeus  
E labrum  
BB Mandibles  
DD base of maxillae  
C Maxillary palpi very slightly developed



K Ocelli  
L Mesothorax Dorsolateral  
M Postscutellum



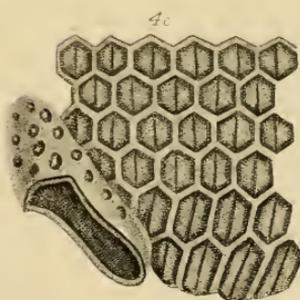


D Collare K & s pl. 910  
 E Dorsolum K ibid  
 F Scutellum K  
 G Prothoracolum K  
 H peristernum K  
 A Epimeron of Mesothorax scapularium K  
 B Episternum of Metathorax peripleurum K  
 C Epimeron of Metathorax

J.O. Westwood FLS &c del<sup>o</sup>

Fig 1 & 2 Tipula ?  
 — 3 — 4 Chironomus ?  
 — 5 — 9 Tabanus bovinus ?  
 — 10 — 11 Musca Casar





1. *Xylocopa violacea* - Carpenter Bee

4. *Apis mellifica* - Worker

2. *Bombus ruderata* - Lat

4a Female of same

3. *Apis centuncularis* Leaf-calling Bee

4b Male or drone

3a. *Tidus* of Rose leaves of same

4c. Part of the Honeycomb with the Queen's cell





2e

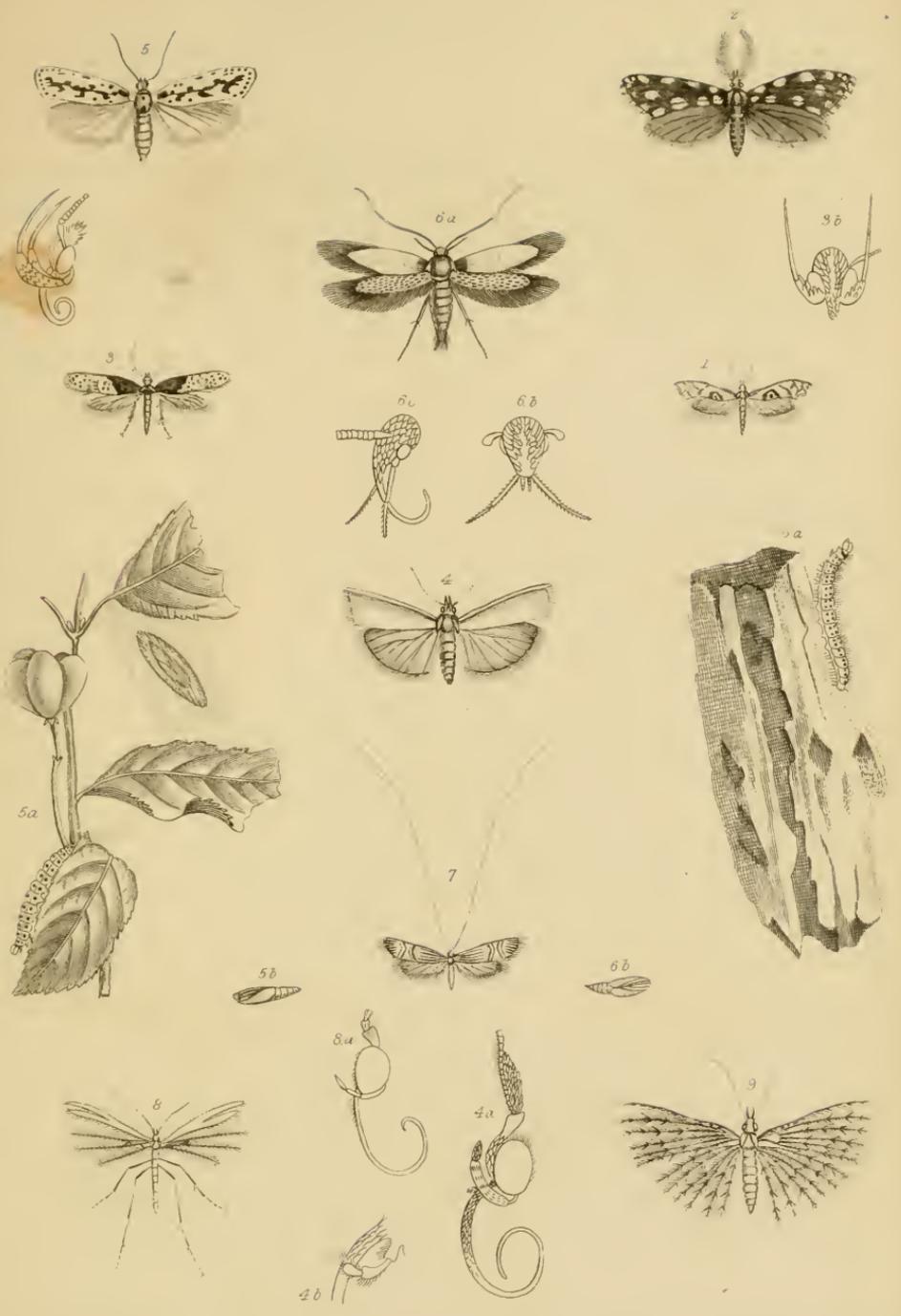


- 1 *Anthicus chilensis* G. R. Gray
- 2 *Cyphonotus drumularius* Grav.
- 3 *Zophorus chilensis* G. R. Gray.









1. *Alacris asperella* Hüb

2. *Eaplocamas anthracinus* Hüb

3. *Tana bipazata* Fab 3. a. Head of *Tan longicornis* Curtis

4. *Rethia curvis* Latr 4. a. b. Heads of *R. pugnas* Curtis

5. *Yponomeuta pusella* Hüb 5. a. b. Cat. *Chrys* of *Yp. plumbella* H.

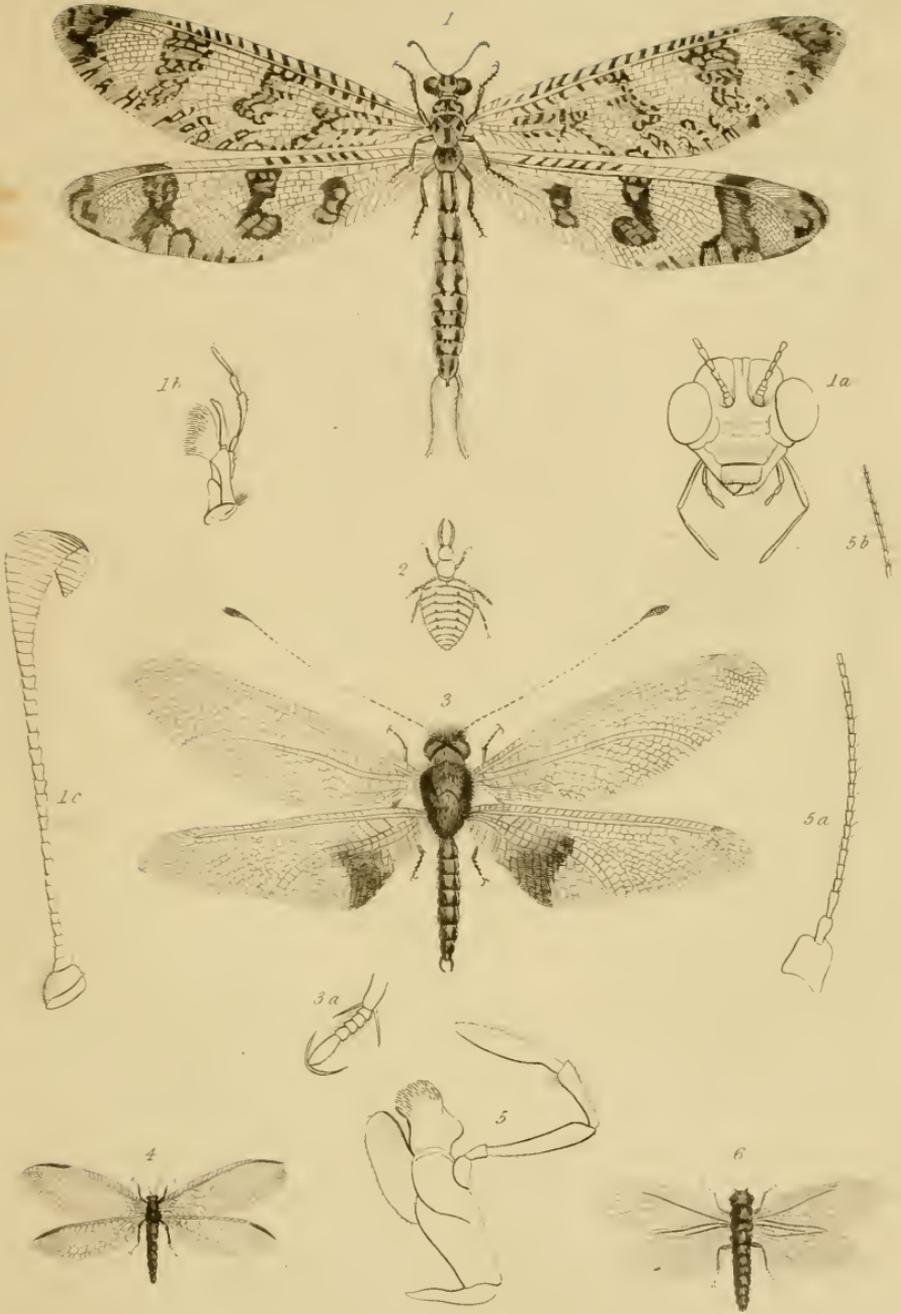
6. *Ecophora Lunella* Clark a. b. Cat. *Chrys* of *Ec. majorella* Hüb

7. *Adela Begorella* Fab

8. *Pterophora phloboclytus* Hüb 8. a. b. Under *Pter. spulochlytus* Curtis

9. *Orneodes hexalecylus* Latr





1. *Myrmaleo Percheronii* Guér.

4. *Hemirhabdus capillatus* Fabr.

2. Larva of *Myrm. formicarius* L.

5. Details of Hem of Egypt

3. *Acolaphus Erashonus* Guér.

6. *Stabus lularis* Latr.





1. *Tephritis violacea* - G. R. Gray.

4. *Psilodera capensis* - G. R. Gray.

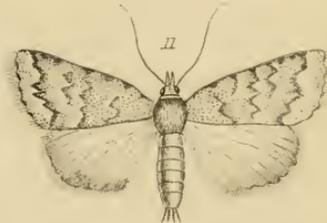
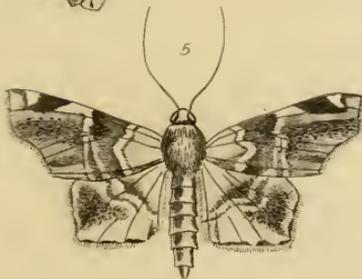
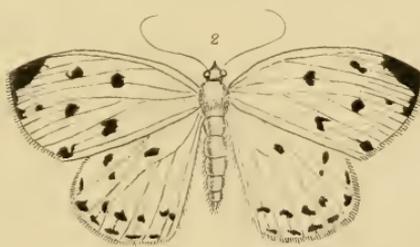
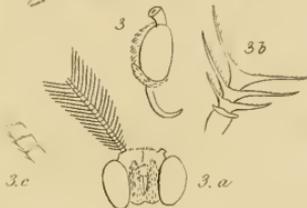
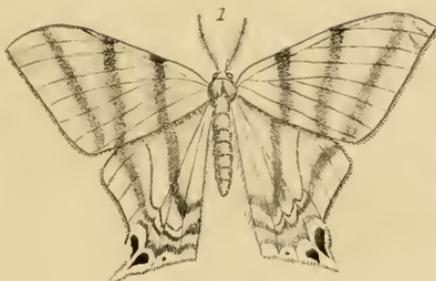
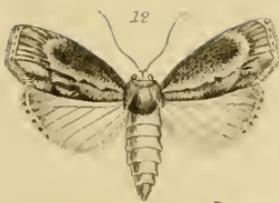
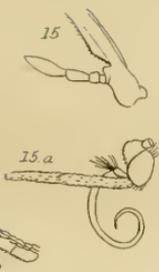
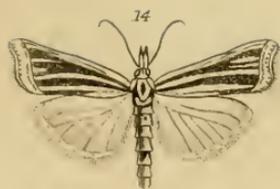
2. *Trixenosoma peridampiförmis* - G. R. Gray.

5. *Toxophora fulva* - G. R. Gray.

3. *Pterodontia flavipes* - G. R. Gray.

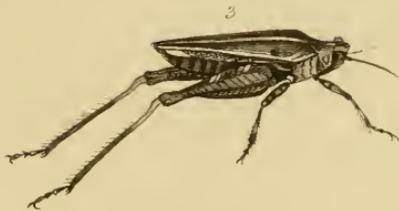
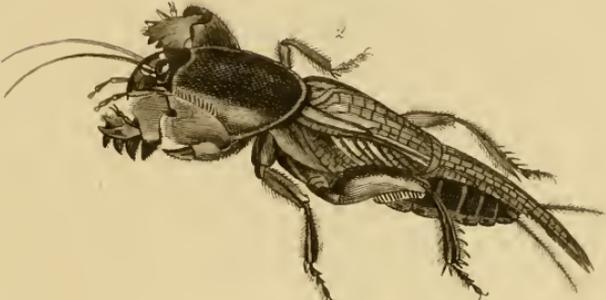
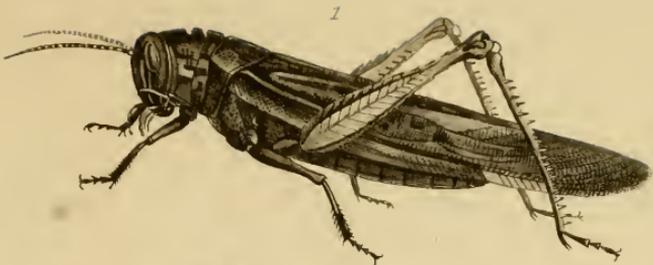
6. *Phos? Egeriiformis* - G. R. Gray.





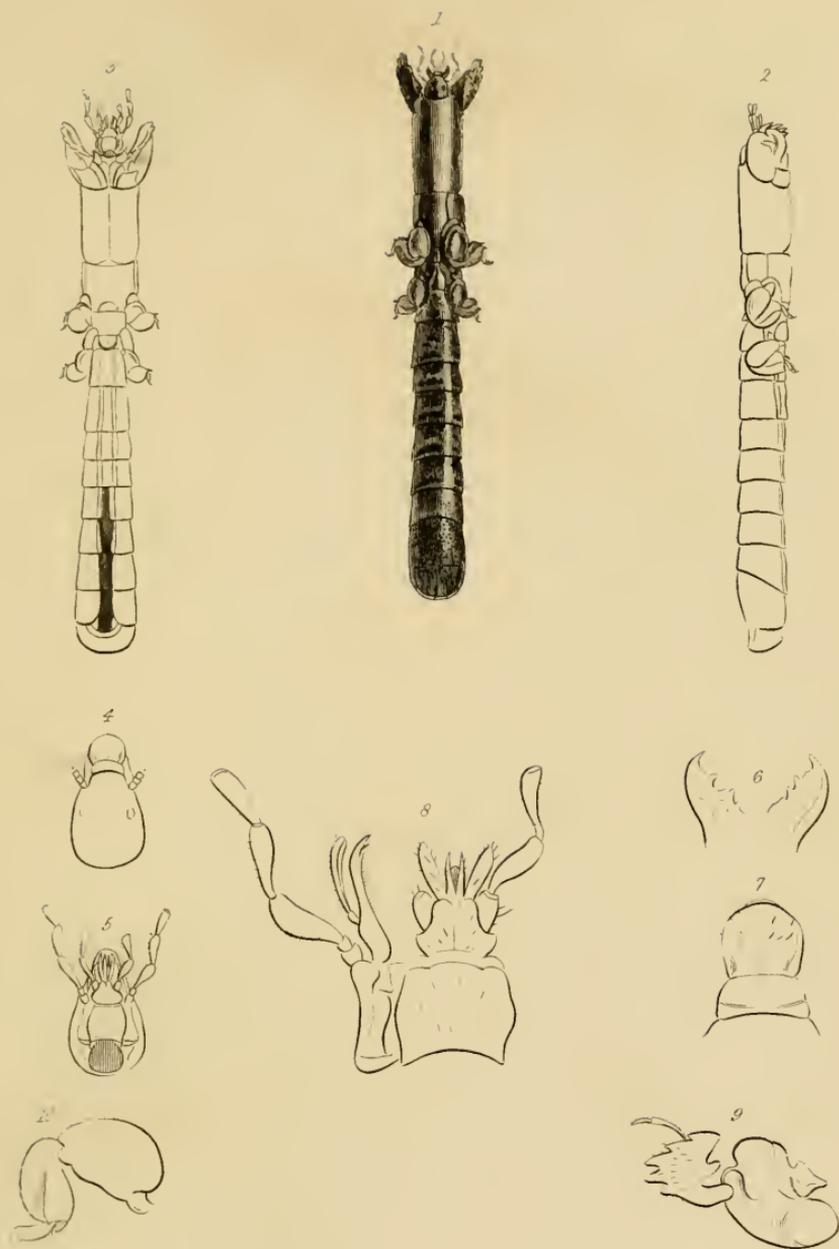
1 *Phalena muscaevaria*, Edv  
 2 *Ph. gautharia*, Edv  
 3 Details of *Ph. flavilacca*, Hab.  
 4 Caterpillar of *Ph. grossularivata*, L.  
 5 *Hermia sidonia*, Cram.  
 6 Head & antennæ of *Herm. crucifalis*, Fab.  
 7 *Ectys dilacialis*, Edv.  
 8 Head of *Ectys cinghialis*, Hab.  
 9 *Hydrampa aquatilis*, Edv.  
 10 Caterpillar of *Hydr. nymphæata*, Lat.  
 11 *Aglossa dilacialis*, Edv.  
 12 *Callera creana*, Fab.  
 13 Cat. of *Cal. colonella*, Hab.  
 14 *Crambus retusalis*, Edv.  
 15 Details of *Cr. radiatus*, Hab.





1 *Gryllus migratri*. 2 *Tettigonia viridissima*. 3 *Tettigonia viridissima*. 4 *Gryllus domesticus*. 5 & 5a *Tettigonia viridissima*.





*Cylindrodes Campbelli* - G.R.Gry.





1 *Englossa dentata*

4 *Andrena pilipes*

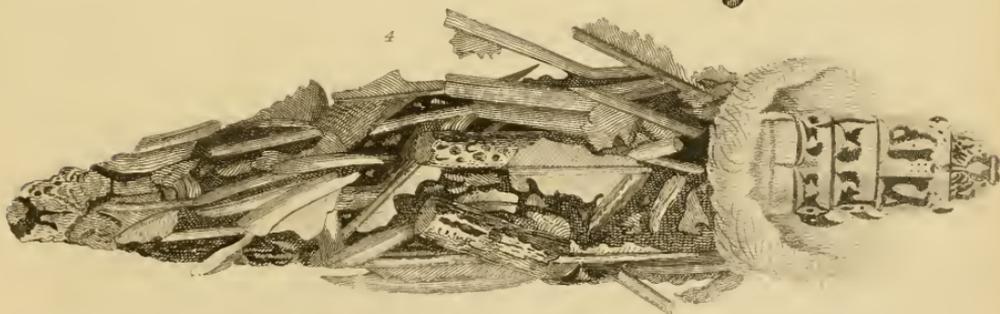
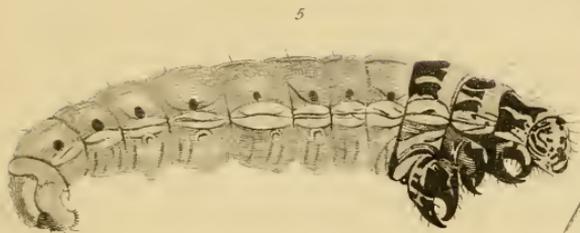
2 *Eucera antennata*

5 *Bombar restrata*

3 *Nomada miniata*

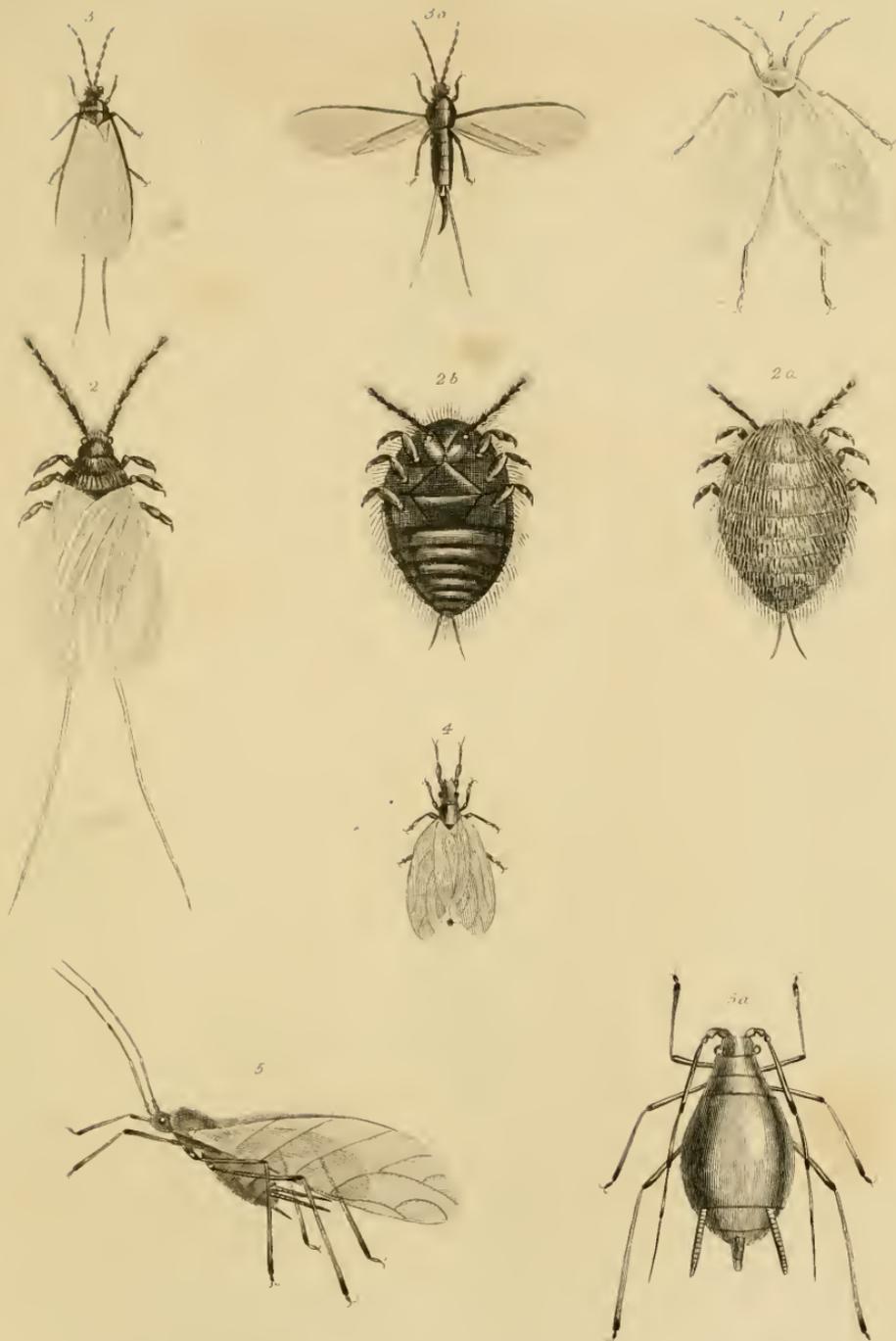
6 *Hylæus albipes*





1 *Oikobius Kirbii* male      3 Habitaculum of the male before his metamorphosis  
 2 Female of same      4 Larva of female  
 5 The same withdrawn from the habitaculum





1. *Menodes* (*Aphis*) *Chelidonii*.

2. *Coccus* *Cacti* (*The Cochineal*) male.

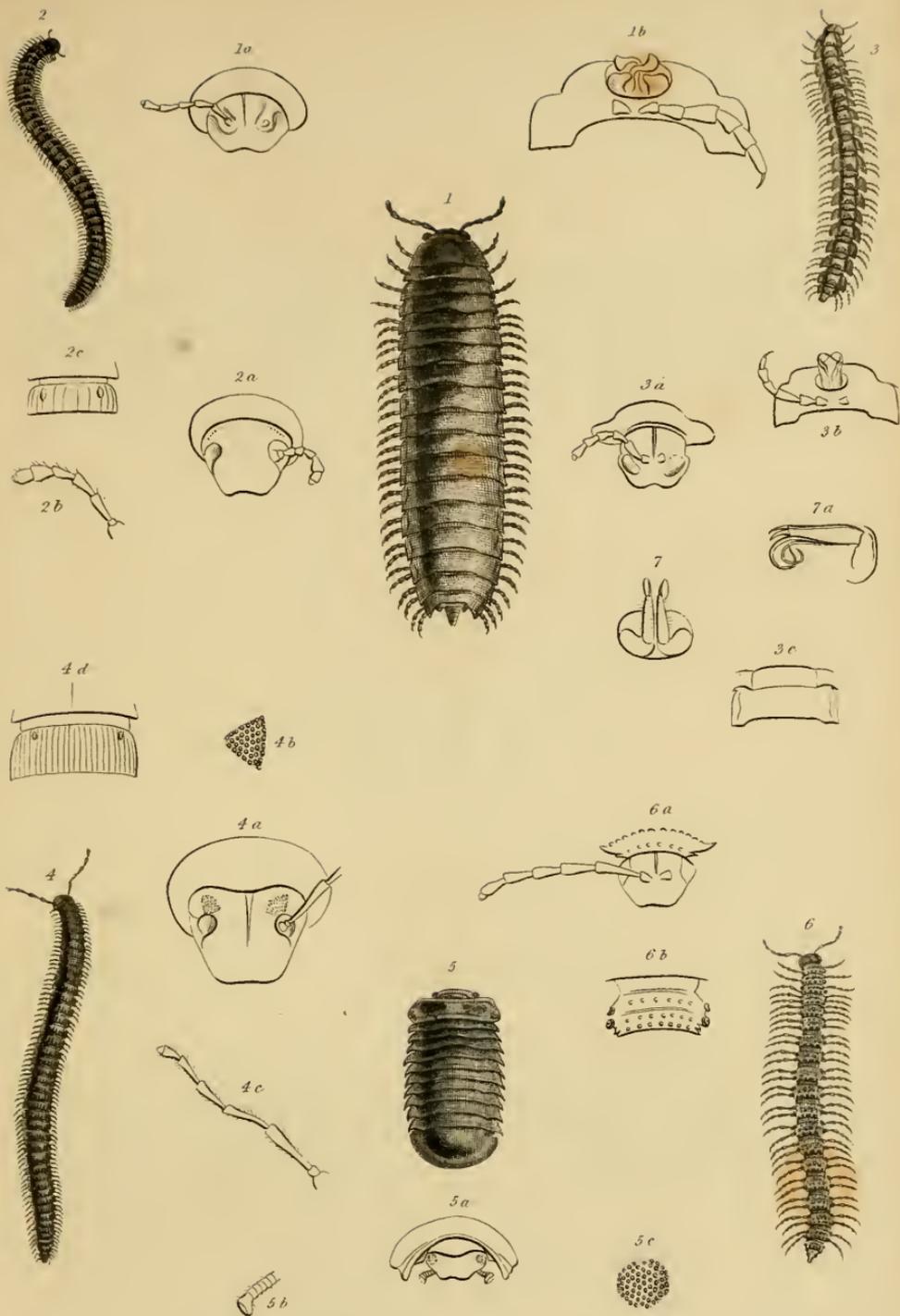
2a. The female upper side. 2b. *Eumote* under side

3. *Kermes* *Persica*. 3a with extended Wings

4. *Livna* Lat. (*Aphis*) *Juncorum*.

5. *Aphis* *Rosae*. 5a. Larva of same.





1 *Fontaria Virginiana*. T.E. Gray.

4 *Craspedosoma Richi* - T.E. Gray.

2 *Cambola lactarius*. T.E. Gray.

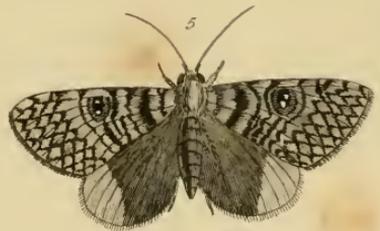
5 *Zephronia ovalis*. T.E. Gray.

3 *Polydesmus Leachi*. T.E. Gray.

6 *Polydesmus elegans*. T.E. Gray.

7 Male organs of *Polyd. Drurii*.





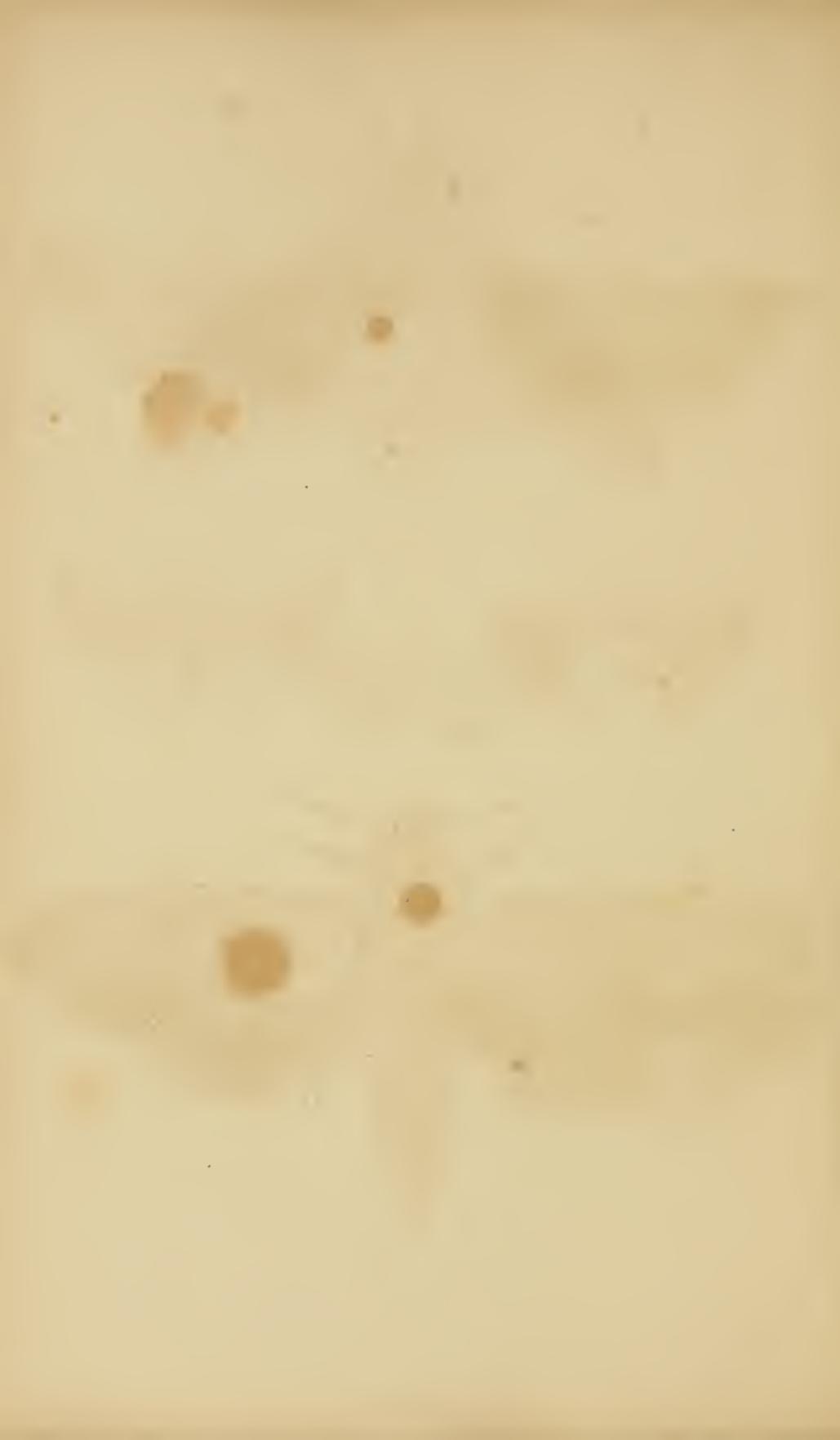
1 *Noctua Anceia*.

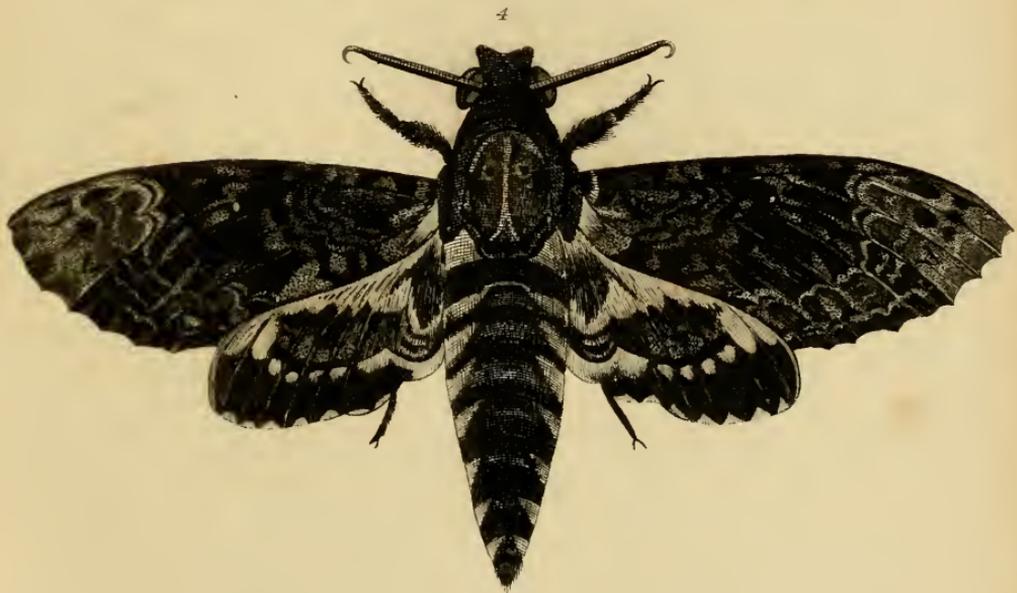
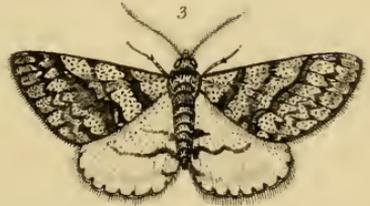
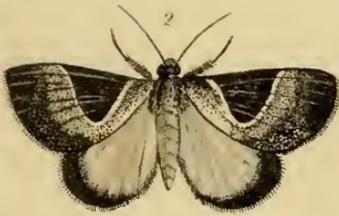
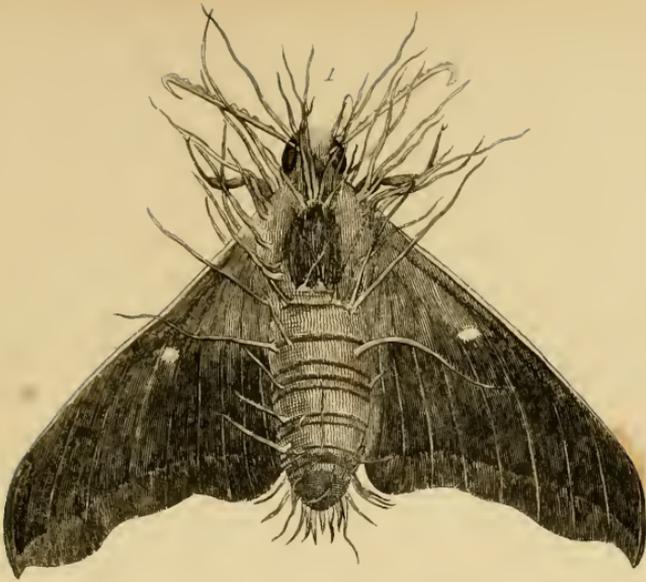
3 *N. Damonia* - female

2 *N. Damonia* - male

4 *N. Euristea*.

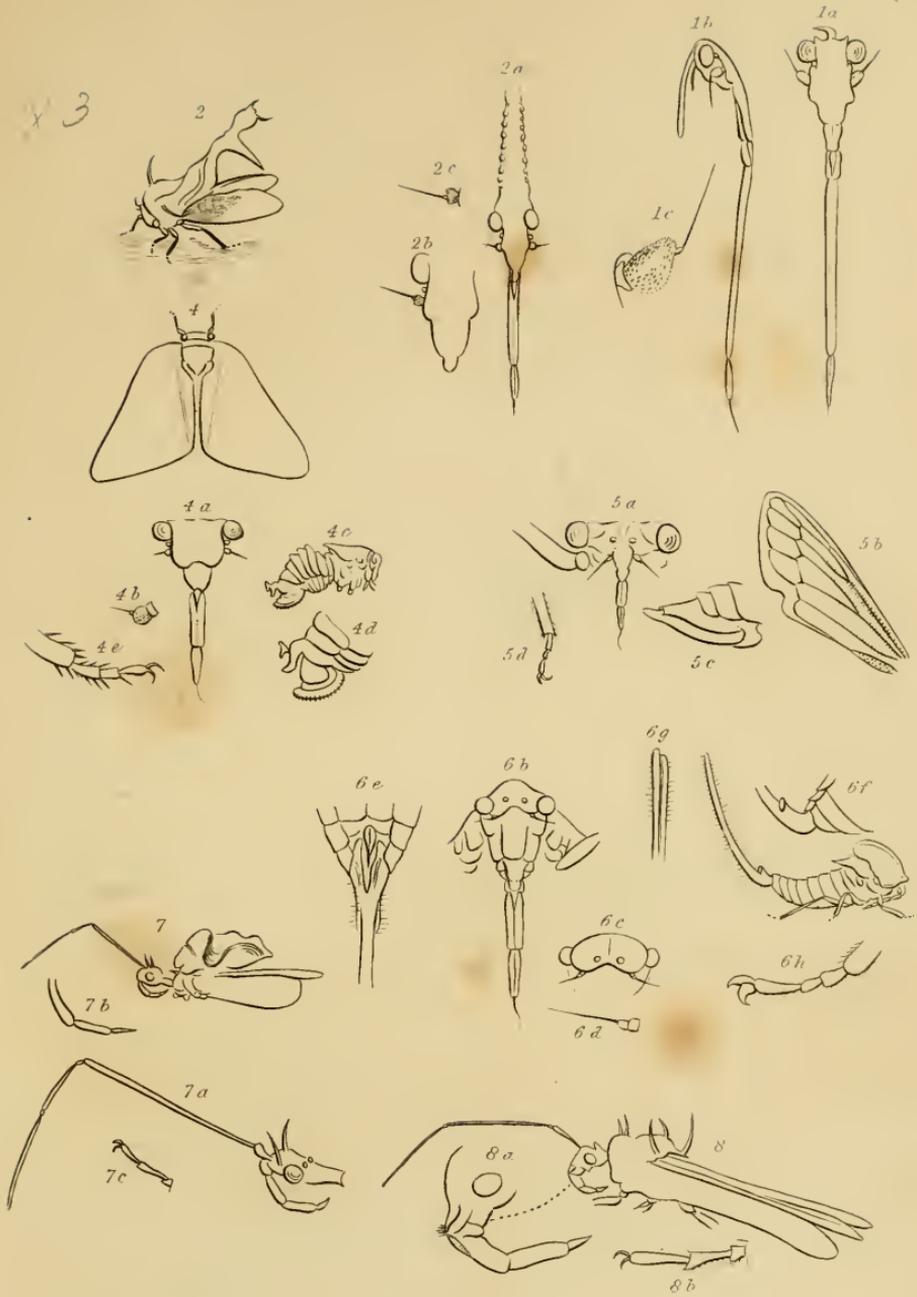
5 *N. ocellata*





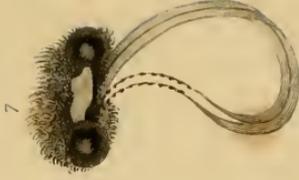
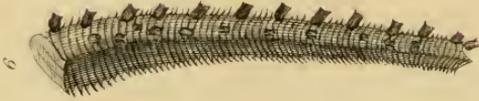
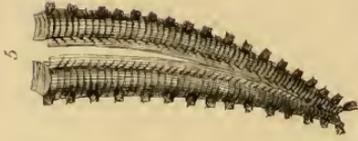
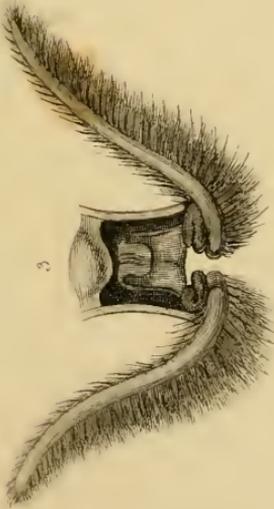
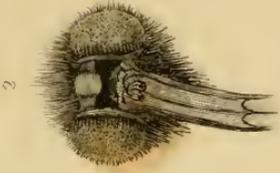
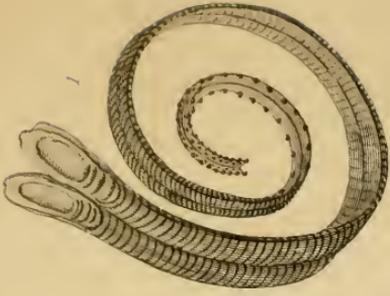
1 *Sphinx atthemendes.*      3 *Thalena tita.*  
2 *Thalena cresea.*      4 *Sphinx atropos.*





- |                                  |                                  |
|----------------------------------|----------------------------------|
| ○ 1 <i>Fulgora nigromaculata</i> | ○ 5 <i>Darnis Canelus.</i>       |
| ○ 2 <i>Fulgora punctata</i>      | ○ 6 <i>Trophera Hardwickii</i>   |
| ○ 3 <i>Centrotus furcatus.</i>   | ✓ 7 <i>Reduvius dorsalis.</i>    |
| ✓ ○ 4 <i>Pacileptera antea.</i>  | ✓ 8 <i>Reduvius spinidorsti.</i> |





*Tomopteris* or *Erobosopsis*, *Andrua Kirby*, of *Leptodiptera*.









