

AMERICAN *THYRIDIDAE*, *URANIDAE*, AND  
*GEOMETRIDAE* IN THE TRING MUSEUM.

By W. WARREN, M.A., F.E.S.

FAMILY *THYRIDIDAE*.

1. *Belonoptera cancellata* spec. nov.

*Forewing*: brownish ochreous; a smoky brown-black subcostal streak from base, widening outwards and running into the projecting apex; the costal edge whitish grey, with dark strigae and larger spots before apex; from the subcostal streak a series of vertical brown parallel and equidistant lines traverses the wing to inner margin, nine in number, of which the fifth alone is curved inwards and not so parallel as the rest; the intervals filled with irregular brown reticulation, and with a finer crinkled brown line down the centre of each; space immediately below subcostal streak at margin above vein 7 white; fringe dark brown.

*Hindwing*: with five parallel brown lines in basal half, followed by a line from three-fourths of costa, forking at vein 7 to anal angle and end of vein 3, with a middle line to end of vein 2, and an irregular crinkled line before apex; the intervals with contorted reticulations as in forewing; fringe brown.

Underside paler, towards base whitish, white along inner margin of forewing; markings as above.

Head, thorax, and abdomen like wings; legs and palpi brown with whitish joints.

Expanse of wings: 56 mm.

1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1904, wet season (Oekenden).

Allied to *B. frondicula* and *nerriola*, Guen.

*Hepialopsis* gen. nov.

*Forewing*: thrice as long as wide; costa straight, slightly convex towards apex, which is bluntly rounded; inner margin somewhat lobed near base; outer margin obliquely curved; anal angle obtuse and ill-marked.

*Hindwing*: much smaller, but of similar proportions; inner margin quite short, not more than one-fourth of the length of wing; the underside with a downwards-directed ridge of coarse scales running along costal vein from base to apex.

Abdomen (in ♀) reaching far beyond hindwings; antennae simple; forehead rounded; palpi correct, quite short; tongue and frenulum present; legs short and stout.

Nervation: forewing, cell longer than half of wing, broad at extremity; discocellular incurved from upper end to middle, then vertical; all the veins straight and simple; vein 2 at five-sixths; 3, 4, 5 close together round lower end of cell; 6 from the upper curve of discocellular; 7, 8, 9 from round upper angle; 10 shortly before them; 11 from one-third, near base: hindwing, cell short; 6, 7 from upper angle; the rest as in forewing.

Type: *Hepialopsis sphingipennis* spec. nov.

2. *Hepialopsis sphingipennis* spec. nov.

*Forewing* : dull luteous grey, dusted with darker ; these darker scales form lines of ill-defined spots between the veins ; the spots larger and more prominent in and below cell ; outer margin less dusted and more luteous ; fringe luteous grey.

*Hindwing* : dark grey, with a slight rufous tinge ; a thick black submarginal line from anal angle and two more above it and parallel ; the markings in a slight degree recalling the hindwing of *Sphinx ligustri* ; fringe grey, speckled with black.

Underside like upper.

Head, palpi, shoulders, and patagia pale luteous grey ; thorax and abdomen darker, with blackish scales ; the abdomen with light and dark longitudinal streaks.

Expanse of wings : 60 mm.

1 ♀ from La Union, R. Huacamayo, Carabaya, Peru, 2000 ft., November 1904, wet season (Ockenden).

3. *Iza colorifera* spec. nov.

*Forewing* : greenish ochreous, pink-tinged beyond middle, with faint reticulations and some black specks ; basal area with two or three bands of grey-green, the intervals paler ; a straight black bar from three-fifths of costa to three-fourths of inner margin, followed by two curved series of black specks ; a dark blotch at anal angle ; fringe double, the basal half pale rust-coloured, the outer ochreous, chequered with dark beyond veins below middle.

*Hindwing* : pink, with irregular lines of black dots ; the apex with dark scaling, the black bar of forewing being continued across it ; fringe ochreous, with black chequering.

Underside dull pinkish green, crossed by bands of dark striae.

Head, thorax, and abdomen greenish grey ; palpi and forelegs rufous.

Expanse of wings : 22 mm.

1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

*Orneostoma* gen. nov.

*Forewing* : with costa sinuous, straight in basal half, then protuberant, and truncate before apex, which is produced to a blunt point ; outer margin sinuous, indented above anal angle, which is squarely lobed ; inner margin strongly sinuous, broadly lobed at base, and concave between the lobes.

*Hindwing* : costa as in forewing, but shouldered at base ; outer margin straight from below apex to anal angle, which is square.

Abdomen of ♀ reaching well beyond hindwings ; antennae thick, lamellate ; palpi long, porrect, slender ; tongue very feeble ; no frenulum visible.

In the forewing veins 9, 10 are stalked, 11 rising near base : 5 from lower angle of cell, 6 from the upper.

Type : *Orneostoma subpulchra* spec. nov.

4. *Orneostoma subpulchra* spec. nov.

*Forewing* : with a pale brown subcostal streak underlined with dark, running perfectly straight from base to apex ; costal area above it brownish fuscous, with alternating darker streaks and paler interspaces ; below the streak the wing is

whitish, with darker reticulations ; a dark somewhat funnel-shaped fascia at one-fourth ; a dark grey triangular cloud beyond cell, its apex joined by a thread-like line to a quadrate brown patch on middle of inner margin ; marginal area broadly greyish fuscous, inwardly limited by a whitish space curving into apex but broad on inner margin ; fringe with basal half brown, outer half paler, with the apices again brown ; the basal lobe dull grey.

*Hindwing* : wholly brownish fuscous, with darker transverse markings between the veins.

Underside pearly white, with the markings deep chocolate, except the hind-margin of forewing, which is glossy grey ; fringe of forewing grey, of hindwing chocolate.

Head, thorax, and abdomen brownish fuscous ; shoulders, vertex, and antennae paler.

Expanse of wings : 35 mm.

1 ♀ from La Oroya, R. Iuambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

##### 5. *Siculodes ferrugata* spec. nov.

*Forewing* : cream-white, traversed by a quantity of irregularly contorted and ramifying dark brown streaks, alternating with pale rust-red reticulations ; costa dark brown at base and strigulated with brown throughout ; from the middle of inner margin a straight dark brown line runs obliquely outwards parallel to outer margin to upper angle of cell, where it is bent to middle of costa ; at the bend it is joined to another line from costa, which runs thickening to inner margin before anal angle ; in the basal half of wing three brown lines ramify from the costa, the third crossing the straight oblique line below middle ; three finer brown lines run from costa before apex, one close before outer margin, all in places laterally connected ; fringe cream-colour.

*Hindwing* : with a broad central brown line and two or three beyond, faint towards costa, but broad and ramifying towards inner margin.

Underside with the lines all much finer ; forewing with an orange subcostal streak, and black metallic scaling at base and along upper margin of cell.

Head and thorax smoky brown-black ; abdomen cream-colour, with all the dorsal segments brown in front ; forelegs dark brown.

Expanse of wings : 30 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

##### 6. *Zeuzerodes castanea* spec. nov.

*Forewing* : flesh-coloured ochreous, tinged with ferruginous ; costa broadly purplish, crossed by brown striae ; outer margin more narrowly purplish ; inner margin dark brown ; in middle of cell a dark brown blotch ; at and beyond its end a larger blotch of the same colour, from the inner end of which a long curved streak runs into apex below costa ; the lower outer part of the large blotch is connected with outer margin by a purplish shading between 3 and 4, while its inner edge is produced as a brown band to inner margin at three-fourths.

*Hindwing* : ferruginous ochreous, crossed by sparse brown curved reticulations ; a subbasal purplish diffuse band ; the apex and fringe purplish brown.

Underside similar ; but the hindwing with a large purplish cell-spot and fiery coppery tinge along outer margin, and more narrowly along costa ; forewing also tinged with the same colour.

Head, thorax, and abdomen dark brown ; the dorsum with some purplish and deep red scaling ; legs and palpi rufous ochreous.

Expanse of wings : 38 mm.

1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

#### 7. *Zeuserodes maculata* spec. nov.

*Forewing* : black ; along costa iron grey, mixed with dull red-brown scales ; the paler intervals form white spots with grey centres in and beyond cell, and one large oblique white blotch in submedian interval before outer margin ; towards the apex the grey scales form lines between the veins, and the costa before apex is dotted with grey and rufous ; fringe blackish, with a row of irregular reddish scales along base.

*Hindwing* : with costal half black mixed with grey ; the anal triangle cream-white, crossed by two waved pale fulvous lines, and the fringe along it fulvous.

Underside of forewing greyish black with traces of paler waved bands ; apex with a dull flesh-coloured blotch, containing a velvety black spot with a white dash on it ; costa before apex brownish flesh-colour ; fringe dark with pale flesh-coloured scales at base ; the white blotch before anal angle conspicuous : hindwing as above, but the dark basal area rippled with pale grey.

Head, thorax, and abdomen blackish, the last with deep red lateral lines, and the penultimate segment of dorsum ferruginous ; palpi and tarsi rufous.

Expanse of wings : 42 mm.

1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., October 1904, wet season (Ockenden).

### FAMILY URANIIDAE.

#### SUBFAMILY EPIPLEMINAE.

#### *Aphyodes* gen. nov.

*Forewing* : ample ; costa straight, slightly curved at base and apex, which is bluntly rounded ; outer margin straight or slightly incurved from 6 to 3, which is bluntly bent and strongly oblique ; inner margin convex.

*Hindwing* : quite small ; pointed at apex and excised before anal angle ; inner margin short, the inner-marginal area contorted and folded.

Antennae lamellate, subserrate beneath, rasped above ; palpi short, porrect, and pointed ; tongue slight ; frenulum strong.

Neuration : forewing, cell less than half of wing ; median nervure sharply bent upwards at end, vein 3 from the bend in a straight line with the median, vein 2 from close before it, 4 from the upturned end of cell ; 5, the lower radial, from below the upper angle ; 6, 7 stalked from the angle ; 8, 9 stalked ; 10, 11 free, and far back ; hindwing, 8 into the apical point, 7 and 6 widely separated from 8, stalked from middle of wing, 5 being stalked with 6 ; the median and its branches obscured ; upper surface of hindwing covered with thick furry hair. There appears to be a longitudinal furrow between 8 and 7.

Type : *Aphyodes pilosa* spec. nov.

8. *Aphyodes pilosa* spec. nov.

*Forewing* : pale fawn-colour, tinged with darker, and coarsely speckled with brown ; lines brown, thick and diffuse ; first from about one-third, curved in cell and oblique to just before middle of inner margin ; second from three-fifths of costa, oblique outwards, sharply angled on vein 6, then oblique to inner margin close to inner line ; a thick brown line close before margin along the excision ; apical area darker ; fringe apparently darker.

*Hindwing* : covered with fuscous furry hair.

Underside of forewing paler, with dense brown striations ; hindwing fuscous, smooth.

Face and palpi black ; thorax and abdomen like forewings.

Expanse of wings : 22 mm.

1 ♂ from R. Huacamayo, Carabaya, Peru, 3100 ft., June 1904, dry season (Ockenden).

9. *Dirades erebata* spec. nov.

*Forewing* : dull black ; an oblique thick black line on discocellular, generally preceded by a small whitish mark ; a pale outer line, inwardly darker shaded, from costa before apex, at first slightly oblique outwards, vertical from 6 to 4, then oblique to 2, and again vertical to inner margin a little before anal angle ; fringe black.

*Hindwing* : black with some deep brown scales along median vein from base ; an outer curved dark line followed by ferruginous scales and containing pale dots between the veins ; fold and inner margin white, the contained hair-tuft ochreous.

Underside blackish grey, paler in hindwing ; the fold whitish.

Head, thorax, and abdomen black : the fillet white.

Expanse of wings : 26 mm.

4 ♂♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

I leave this species in *Dirades*, with which it agrees in neuration. The outer margin of hindwing is straight from the subapical elbow at vein 7 to the rounded anal angle.

10. *Epiplema caesiogrisea* spec. nov.

*Forewing* : slate-colour, striated finely with darker ; the costa with larger and more distinct striae ; lines diffusely darker ; first out-curved from one-third of costa and thickened in cell, ending in a fine inwardly oblique mark at two-thirds of inner margin ; outer from three-fifths of costa, vertical to vein 4, then incurved, and ending indistinctly on inner margin a little beyond first line ; a broad dark shade from anal angle towards the bend in outer line : marginal area deep purplish, edged inwardly by a fine black sinuous line from vein 7 to vein 2 ; fringe slate-colour, chequered with white between the veins.

*Hindwing* : with the two lines fine, and angled outwards on median and vein 4 ; the outer more conspicuous, preceded by a darker tint, and edged by a fine pale line outwardly ; a submarginal cloud from anal angle fading towards costa ; fringe dark with pale apices ; a pale dark-edged lengthened cell-spot.

Underside dull slaty grey in forewing, whitish grey in hindwing, with brown striae which are plainest in the latter.

Vertex, thorax, and abdomen slaty grey ; face and palpi black-brown.

Expanse of wings : 24 mm.

1 ♀ from Tucuman, Argentina, 1100 m. January—February 1905 (Steinbach).

Superficially this species much resembles *E. excoria* Warr. from Mexico, but really the two are quite different.

#### 11. *Epiplema columbicolor* spec. nov.

*Forewing* : pale dove-colour ; the costa spotted with black ; the lines hardly visible : from a blackish spot at one-third a faint shade runs outwards to cell and then inwards to one-third of inner margin, with a dark dot on submedian fold ; from costa at two-thirds a dull grey shade rises, ending on inner margin beyond middle in a rounded dark blotch ; from the anal angle a blackish shade rises, reaching vein 4 ; at the excision a chestnut-brown shade edged inwardly by two small black lunules ; fringe dove-coloured, mixed with brown above.

*Hindwing* : speckled with dark, and with a faint rufous tinge ; two rufous lines, the antemedian curved, the postmedian angled on vein 4 ; a rufous shade before margin from upper to lower tooth, below which there is a slight brown spot.

Underside of forewing clouded with grey and with coarse brown-black speckling ; the black shade from anal angle shown ; hindwing paler, black-speckled only along costa and outer margin.

Face and palpi black-brown ; thorax and abdomen like wings, the latter much speckled with blackish.

Expanse of wings : 22 mm.

1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

Forewing excised between 4 and 6, the apex depressed and bluntly rounded ; hindwing toothed at veins 4 and 7, and excised between anal angle and vein 2.

#### 12. *Epiplema ignefumata* spec. nov.

*Forewing* : black-brown ; the lines black ; first from one-third of costa to near middle of inner margin, sharply angled outwards on each fold ; outer line from three-fourths of costa to three-fourths of inner margin, angled outwards on vein 4, concave on each side : the included space blackish ; both lines, where they diverge in submedian interval, marked with velvety black ; outer margin black, edged inwardly from vein 7 to 3 by a velvety black bracket-shaped mark ; the slightly paler browner spaces on each side of the central fascia show traces of dark striae.

*Hindwing* : with central fascia purplish black, both edges acutely angled outwards on vein 4, the outer followed, as it is also in the forewing, by a pale dark-edged line ; marginal area black along veins from before apex to lower tooth, and with black striations below it ; a black spot below each tooth and two smaller spots between ; the brown on each side of central fascia much paler than in forewing, tinged with blackish again at base.

Underside dull black, with a submarginal fascia in forewing and a marginal one in hindwing deep ferruginous speckled with dark.

Face and palpi black ; vertex, thorax, and abdomen black-brown.

Expanse of wings : 27 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden).

Both wings with apex truncate, veins 7, 6 and 4 toothed, the teeth of hindwing longer.

13. *Epiplema ignefusa* spec. nov.

*Forewing* : a mixture of ferruginous and olive-brown on a dull grey ground, covered with short dark striae, especially along the veins ; costal area pale greyish ochreous, with dark striae ; lines very obscure, dark brown ; one or two irregularly curved near base ; the outer line angled outwards on vein 4 ; a black curved mark before the excision, limiting a brown shade ; fringe dark grey.

*Hindwing* : with inner and outer lines plainer, dark brown, interrupted by the veins, and both angled in middle ; some blackish lunules before margin from tooth to tooth, and a black spot below lower tooth ; fringe with a dark line near base.

Underside fawn-colour tinged with ferruginous and striated with black ; forewing with a dark brown shade.

Face and palpi black-brown ; thorax and abdomen like wings ; vertex and shoulders pale greyish ochreous.

Expanse of wings : 22 mm.

1 ♀ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Oekenden).

Apex of forewing depressed and truncate ; outer margin excised from 6 to 4 ; hindwing shouldered at apex, strongly toothed at 7 and 4, with a small blunt tooth at 6.

Near *E. scabra* Warr.

14. *Epiplema mixtilinea* spec. nov.

*Forewing* : dark grey, with a drab undertint ; costa black-dotted ; lines black, interrupted and obscure ; first from one-third of costa to near middle of inner margin, outcurved in midwing, where its course is obscured ; outer line from two-thirds of costa to three-fourths of inner margin, its middle course interrupted ; a fine black submarginal line, thickened into a black crescent before the excision ; marginal line dark ; fringe grey ; a darker grey shade at anal angle.

*Hindwing* : with an angulated inner line, interrupted across cell ; an outer line sharply angled on vein 4, followed by a dark submarginal shade ; some obscure dark lunules before the teeth.

Underside of forewing dull fuscous grey, of hindwing dull ochreous speckled with dark.

Face and palpi black-brown ; vertex, thorax, and abdomen above dark grey ; abdomen below and legs dull ochreous.

Expanse of wings : 22 mm.

1 ♂ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Oekenden).

Forewing excised between 6 and 4, the apex depressed ; hindwing with blunt tooth at 7 and acute tooth at 4 ; anal angle of forewing and apex of hindwing lobed ; inner margin of forewing and costa of hindwing insinuate in middle.

15. *Epiplema reversata* spec. nov.

*Forewing*: dull grey-brown, clouded with darker, and with oblique darker streaks from costa, but without any defined lines; a broad brown-black border from vein 7 to inner margin: the fringe brown; an obscure brown cell-spot.

*Hindwing*: traversed from costa to inner margin by five darker shades, of which two are antemedian: the other three, postmedian, form a dark band; a narrow, straight, black-brown band along margin from vein 7 to anal angle.

Underside dull greyish brown along costa of forewing, the rest of forewing dull black: hindwing wholly grey, with darker striae.

Head, thorax, and abdomen grey-brown; face and palpi blackish.

Expanse of wings: 24 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden).

Wings shaped as in *E. draco* and *vulpina* Warr.

16. *Epiplema straminea* spec. nov.

*Forewing*: straw-colour, washed with pale brown, and shaded with purplish fuscous along inner margin, especially at base and anal angle; lines fine, grey, edged on both sides with darker; first from one-third of costa to near middle of inner margin, angled outwards in cell and on submedian fold, inwards on vein 4, the shade before it fuscous, that beyond it chestnut brown; outer line from two-thirds of costa to three-fourths of inner margin, vertical but with a bend outwards on vein 4, the shade preceding it brown, that following it fuscous; a sinuous brown stripe along outer margin; an indistinct double submarginal brown shade, ending in a purplish and blackish blotch at anal angle; inner margin with thick brown striations; fringe (worn) ochreous.

*Hindwing*: paler, more or less brownish-tinged on costal half and below median vein; first line sharply, outer bluntly, angled on vein 4; a diffuse brown median cloud, obscuring a brown cell-spot; a brown submarginal shade towards costa; a brown marginal shade, edged by a concise dark brown curved streak from tooth at vein 7 to 5, and a brown spot above and below lower tooth.

Underside pale straw colour; forewing with a diffuse dark cloud from anal angle to vein 6.

Head, thorax, and abdomen straw colour; face and palpi brown; dorsum tinged with brown, and with a narrow pale central line.

Expanse of wings: 26 mm.

1 ♀ from La Oroya, R. Inambari, Carabaya, Peru, 3100 ft., March 1905, wet season (Oekenden).

17. *Epiplema turbinata* spec. nov.

*Forewing*: dove-colour, speckled with black; the costa minutely striated with dark; first line rounded, from one-fourth of costa to one-third of inner margin; second line from three-fifths of costa to three-fifths of inner margin, slightly incurved in middle the included space fuscous brown edged with ferruginous; wider at both ends and constricted in middle; some dark scales indicating a submarginal line from a little before apex to before anal angle; a row of minute dark dots before apex to middle of outer margin.



*Hindwing* : suffused with grey-brown and with some dark mottled scales from base below median vein ; a pale, inwardly dark-edged, curved line from before middle of costa to beyond middle of inner margin ; a row of small black pale-edged lunules from upper to below lower tooth, and traces of a dark sub-marginal line on inner margin.

Underside pale dove-grey, the forewing coarsely black-speckled.

Thorax and abdomen like wings ; face and palpi blackish ; forelegs black with pale mottling.

Expanse of wings : 15 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

Outer margin of forewing with minute teeth at 7, 6, and 4, faintly concave between 4 and 6 : hindwing toothed at 4 and 7, and with a slighter tooth at 6.

#### 18. *Nyctibadistes nigrata* spec. nov.

*Forewing* : dull black, with no distinct markings ; cell-spot deeper black ; three black spots, sometimes confluent, in a line below apex close to outer margin, with a slightly paler space before them ; fringe black.

*Hindwing* : with two thick dark lines ; the inner angled in middle close before the outer, which is simply curved at three-fifths ; the included area black ; some obscure red-brown scales along and below median vein ; a paler blotch at apical angle, in one example reddish grey and prominent ; the fold and inner margin pale, bone-colour.

Underside of both wings dull black, without markings.

Head, thorax, and abdomen black.

Expanse of wings : 22 mm.

2 ♂♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

Forewing elongate triangular ; anal angle well marked : hindwing with costa hollowed out in middle beyond a prominent rounded shoulder, the costa to apex as well as the shoulder fringed ; outer margin projecting at vein 7 ; no excision before anal angle.

#### 19. *Psamathia amplata* spec. nov.

Like *Ps. angulata* Warr., but larger ; the outer margin of forewing in both sexes elbowed at vein 4 and concave between it and apex, more strongly in the ♀ ; the lines are indistinct, except at costa ; the black point at base of wing is absent ; fringe reddish brown.

In the hindwing the outer line is followed above inner margin by three double dark lunules, which are most conspicuous in the ♀♀ ; fringe with a pale basal line.

In both wings the central area between the lines is slightly paler, less speckled, than the rest of wing ; sometimes the outer line of forewing is marked by black spots above inner margin.

Underside grey, with a pale brownish tinge and fine transverse black striae in outer half.

Face, palpi, and forelegs black-brown ; thorax and abdomen like wings.

Expanse of wings : 40—44 mm.

5 ♂♂, 4 ♀♀ from Sapucay, Paraguay, October 1904 (Foster).

20. *Saccoploca brevimargo* spec. nov.

*Forewing*: purple-brown covered with fine darker striae placed chiefly on the veins, the brown tint showing most strongly at apex; two deep purple-brown lines, much more distinct than in either *excisa* or *consimilis*, but placed as in those species; an oblique row of four deep brown partially connected spots from apex to below vein 5; fringe purple-brown.

*Hindwing*: with the two lines curved and distinct.

Underside paler and duller; the costa of forewing fulvous; the outer margin of hindwing and the hair-tuft beneath ochreous.

Face and palpi black-brown; thorax dark purplish; abdomen more cinereous.

Expanse of wings: 35 mm.

2 ♂♂, 5 ♀♀ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden); 1 ♀ from R. Huacamayo, Carabaya, Peru, 3100 ft., June 1904, dry season (Ockenden).

In *excisa* and *consimilis* the inner margin of the hindwing of the ♂ is long; in *brevimargo* it is quite short, and the outer margin well rounded throughout; the ♀ is the form I wrongly referred to *consimilis*, cf. *Nov. Zool.* xi. p. 9 (1904).

21. *Saccoploca hendida*.

*Erosia hendida* Dogn., *Ann. S. E. Belg.* xl. p. 134 ♀ (1896).

*Saccoploca consimilis* Warr., *Nov. Zool.* vi. p. 9, ♂ only (1904).

The insects which I formerly considered to be the ♀♀ of *consimilis* Warr. ♂, should be referred to the new species above described; the real ♀♀ of *consimilis* have, like those of *excisa*, an excavation below apex in the outer margin of forewing, but they are consistently smaller and darker, slightly larger than their own ♂♂, as is the case with *excisa*.

The name *consimilis* must sink to *hendida* Dogn., a typical ♀ of which, through the kindness of M. Dognin, I have lately been enabled to inspect.

22. *Siculodopsis pallidifrons* spec. nov.

*Forewing*: pale dirty grey, towards costa coarsely speckled with fuscous; without, in the unique example, any distinct markings, though the darker shading at middle of costa appears to form a fascia with oblique outer edge, beyond which the costa before apex is paler and contains a short inwardly oblique black streak from apex; cell-spot black; fringe concolorous.

*Hindwing*: dark grey, speckled with fuscous, with a dark cell-spot.

Underside paler, without speckling; forewing with the black apical streak.

Head, thorax, and abdomen dirty grey; face whitish.

Expanse of wings: 22 mm.

1 ♂ from R. Cayapas, N.W. Ecuador (Flemming and Miketta).

*Tricolpia* gen. nov.

Closely allied to *Trotorhombia* Warr., but the apex of forewing is acute, not truncate; the antennae of the ♂ are not pectinate, but lamellate and subserrate only.

Type: *Tricolpia acutaria* Wlk. (*Erosia*) = *Erosia biangula* Feld.

23. *Trotorhombia metachromata*.

*Erosia metachromata* Wlk., xxiii. p. 855 ♀ (1861).

*Erosia bisinuata* Feld., *Reise Nov.* t. 128. fig. 21 ♀ (1874).

*Trotorhombia metachromata* Warr., *Nor. Zool.* xi. p. 298 (1904).

These two forms, I find cannot really be separated. Walker's type from S. Domingo, the form occurring also in Porto Rico (from which island there are two examples, both ♀ ♀, in the Felder collection), has a few whitish scales preceding the inner and following the outer line, which are not so visible in the mainland specimen, as typified by *Felder's bisinuata* from French Guiana, and many examples from other localities; these also appear to show a slightly browner tinge and more numerous striae.

## FAMILY GEOMETRIDAE.

## SUBFAMILY OENOCHROMINAE.

24. *Dolerophyle nerisaria* Wlk.

In *Nor. Zool.* i. p. 371 (1894), I made *Budara conversata* Wlk. a synonym of this species. I have lately been able to examine the type and find that it is an ordinary *Nipteria*, and the name must be struck out of the synonymy.

## SUBFAMILY CYLLOPODINAE.

25. *Brachyglene dispar* spec. nov.

*Forewing*: dull olive-brown; the costa finely, the apex broadly, blackish to vein 4; all the veins orange; fringe blackish.

*Hindwing*: deep orange; the costal area, as far as middle of cell, velvety black, the outer margin narrowly black, broadening out between vein 2 and submedian fold, along which it emits a black tooth.

Underside of forewing orange, with the costa and apex, and the outer margin narrowly black: hindwing as above.

Head, thorax, and abdomen black; patagia orange.

Expanse of wings: 25 mm.

1 ♀ from Tuenman (Steinbach).

26. *Cyllopoda gracillima* spec. nov.

*Forewing*: purple-black, with the yellow markings very much as in *C. durnfordi* Druce, but much paler yellow; the outer transverse streak both shorter and narrower.

*Hindwing*: pale yellow, with all three margins black, the costal most broadly; the streak on inner margin ending in a point before base; veins 2 and 3 with a few dark scales.

Underside with the yellow markings all amplified; costa of hindwing yellow from base to two-thirds.

Head and thorax blackish; lower half of face pale; shoulders and patagia marked with yellow scales at base; abdomen with dorsum olive-fuscous, and a fine yellow lateral line; underside and legs creamy ochreous.

Expanse of wings: 27 mm.

1 ♂ from Sapucay, Paragnay, March 1903 (Foster).

27. *Cyllopoda ovata* spec. nov.

*Forewing*: black; a lemon-yellow blotch on inner margin from base to two-thirds, its top flattened and not reaching beyond submedian fold, its ends not so pointed as in *Atyriodes parapostica* Dogn., the black ground-colour not encroaching towards anal angle; an oval lemon-yellow blotch towards apex nearly touching costa and outer margin, narrow in ♂, wide and large in ♀; fringe black.

*Hindwing*: lemon-yellow, with a moderately broad black margin of uniform width from before apex to anal angle, close above which it ends in a point.

Underside the same, with the base of hindwings black.

Head, thorax, and abdomen above black; shoulders with a large yellow spot at the sides.

Underneath and sides of abdomen yellowish, with a black lateral stripe.

Expanse of wings: ♂ 38 mm.; ♀ 43 mm.

1 ♂ from R. Huacamayo, Carabaya, Peru, 3100 ft., June 1904, dry season (Ockenden) type; 1 ♀ from San Augustin, Mapiri, Bolivia, 3500 ft., June 1895 (Stuart).

28. *Darna trigonata* spec. nov.

*Forewing*: smoky black, with a large triangular orange space from base, its outer edge running nearly straight from middle of costa obliquely to vein 3 near outer margin, bluntly rounded to 1, thence roughly edged and narrowing off to base of wing; costa narrowly black; along the orange area the black is deeper than towards the margin; fringe black.

*Hindwing*: wholly smoky blackish, thinly scaled.

Underside like upper.

Head, thorax, abdomen above and below, and legs, blackish with a brownish tint.

Expanse of wings: 50 mm.

4 ♀♀ from Cushi, Huauuco Province, Peru, 1900 m. (Hoffmanns).

Distinguished from both *D. volitans* and *flammifera* by the much broader orange area of forewing.

29. *Ephialtias cordigera* spec. nov.

*Forewing*: brown-black, with a sinuous orange-yellow band beyond middle from subcostal vein to vein 2.

*Hindwing*: with a large heart-shaped orange blotch in middle of wing, and the inner margin dull yellow.

Underside similar, the orange markings more ample.

Head, thorax, and abdomen like wings; sides of face and basal segment of antennae white; abdomen beneath white, with a black lateral line, above which the sides are yellowish.

Expanse of wings: 35 mm.

1 ♂ from La Vuelta, R. Caura, May 1903 (Klages).

30. *Paratyria longiplaga* spec. nov.

*Forewing*: brown-black; the veins in places finely pale; two elongated yellow blotches; the first horizontal, between median and submedian veins, reaching two-thirds of wing; the second oblique from three-fifths of costa to below vein 3, both ends rounded; fringe dark.

*Hindwing* : with all the margins black, the central yellow area elongate, its lower edge sinuous.

Underside the same.

Head, thorax, and abdomen black; face with yellow cheeks; patagia with yellow centres; dorsum with a yellow line; abdomen with the underneath whitish, and a yellow lateral line.

Expanse of wings : 30 mm.

1 ♂, 1 ♀ from Rio de Janeiro (E. May).

The antennae of the ♂ are quite shortly pubescent.

31. *Phaeochlaena pictifrons* spec. nov.

*Forewing* : black, with the veins and folds broadly sulphur-colour; a round whitish spot on median vein touching the cell-fold above and vein 2 below; a double spot before apex between veins 7 and 5; fringe black.

*Hindwing* : whitish, with a broad black marginal border, continued narrowly along costa to base.

Underside with the veins very finely paler; a streak of pale scales from base along costal vein; another broader from base below cell swelling out into a large filmy blotch embracing the end of cell; the subapical spot larger: hindwing as above, but the costa also white.

Palpi and base of patagia bright orange: middle of face, tongue, and antennae black; sides of face pale sulphur-coloured; collar, shoulders, and thorax black spotted with pale sulphur; abdomen black with the basal segments whitish; abdomen beneath, pectus, and inside of legs whitish.

Expanse of wings : 30 mm.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., October 1904, wet season (Ockenden).

32. *Phaeochlaena unimacula* spec. nov.

*Forewing* : olive-brown, with all the veins and folds paler; the apex and outer margin dull black; this dark margin is preceded by a broadly rounded paler space caused by the orange of the underside showing through; at middle of costa an outwardly oblique oval yellow blotch reaching lower end of cell; fringe blackish.

*Hindwing* : bright orange, with a broad black outer margin, running to a point on inner margin and costa; extreme base smoky black.

Underside of forewing with basal half above median vein, the inner margin below submedian fold, the outer margin, apex, and costa beyond three-fifths dark olive-brown; the enclosed area orange, touching costa beyond middle and with a narrow streak from base, which is slightly dusted with brown scales: hindwing as above, but with the margin brown.

Head yellow; palpi yellow internally, blackish externally; thorax brown (patagia and shoulders damaged); abdomen with an orange dorsal stripe and broad olive-fuscous lateral stripes; underneath creamy ochreous, like the legs.

Expanse of wings : 38 mm.

1 ♀ from Cuzco, Peru, January 1901 (Garlepp).

33. *Polypoetes tenebrosa* spec. nov.

*Forewing* : deep olive-brown, with all the veins and folds finely deep orange; fringe black.

*Hindwing* : black.

Underside deep olive blackish; forewing with base of costa and veins on each side of apex whitish, the base of veins 7, 8, 9 forming a spot: hindwing with whitish streaks from base, that along costa longest.

Palpi blackish above, pale below, the basal segment yellow; face black at middle with the sides whitish; collar and shoulders blackish mixed with pale scales; patagia black varied with deep orange; abdomen olive-black, below, like the pectus and inside of legs, whitish.

Expanse of wings : 24 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

### 34. *Stenoplastis albibasis* spec. nov.

*Forewing* : white for rather more than basal half, passing into pale ashy grey, which towards apex is slightly olive-tinged; costal edge grey; on the inner margin are two black bent lines, one from just before middle, the other from three-fourths, nearly meeting at the rise of vein 2; the white between them purer.

*Hindwing* : white, with the costal and outer margins smoky fuscous, the apex very broadly dark; the inner margin slightly grey.

Underside of forewing fuscous-grey with a large diffuse white space at middle of inner margin: hindwing as above.

Head, palpi, and basal segment of antennae yellow; thorax white; abdomen grey, beneath white; legs grey and white.

Expanse of wings : 30 mm.

1 ♂ from La Union, R. Huacamayo, Carabaya, Peru, 2000 ft., November 1904, wet season (Ockenden).

### 35. *Stenoplastis? phryganeata* spec. nov.

*Forewing* : olive fuscous; all the veins finely whitish; an obliquely placed white pyriform blotch from before lower end of cell to middle of vein 1, followed above by a small white spot beyond discocellular, incurved to middle of costa, where the veins are whiter; a submarginal row of blurred white spots between the veins, the veins themselves being whiter along its course; fringe dark.

*Hindwing* : white, with a broad blackish marginal border, narrowing towards anal angle and very broad at apex; fringe of inner margin smoky grey; the costa from base narrowly blackish.

Underside of forewing dull blackish, with a round white spot representing the pyriform blotch of upperside: hindwing as above.

Head, shoulders, and patagia fuscous; base of patagia with a large orange spot at the sides; thorax whitish with a grey central line; abdomen pale grey; legs and antennae fuscous-grey.

Expanse of wings : ♂ 36—40 mm.; ♀ 42 mm.

3 ♂♂, 1 ♀, from La Union, R. Huacamayo, Carabaya, Peru, 2000 ft., November 1904, wet season (Ockenden).

The wings are longer and narrower than is usual in the genus, and the abdomen of the ♂ elongated.

In one ♂ the large white pyriform blotch is reduced to a round one like that of the underside.

## SUBFAMILY GEOMETRINAE.

36. *Auophylla basiplaga* spec. nov.

*Forewing*: pale green, with bone-coloured markings edged and speckled with dull red; the line edging the marginal pale area starts from costa shortly before apex, is roundly curved outwards between 7 and 4, below which vein it nearly reaches outer margin, forming a shallow curve to above vein 2, then running inwards and touching 2, whence it curves upwards and forms a quadrate projection above vein 4 touching discocellular, thence descending again vertically and slightly waved to middle of inner margin; close to base of inner margin is a small semicircular patch of bone-colour, edged with red; marginal line red; fringe bone-colour.

*Hindwing*: similar, but the costal blotch is larger, and that at anal angle smaller; the blotch at base is likewise larger than in forewing; a white spot on upper end of discocellular.

Underside very pale green, with the white areas showing through.

Head, thorax, and abdomen pale green, the dorsum with a series of red crests.

Expanse of wings: 24 mm.

1 ♂ from Sapncay, Paraguay, July 1902 (Foster).

Close to *A. multiplagiata* Warr. from Paraguay.

37. *Blechroma oppleta* spec. nov.

♂. *Forewing*: pale green, with all the grey-brown bands and shadings of *confusa* Warr. so largely developed and amalgamated that only four small patches of green remain: viz. two small triangular patches on inner margin on each side of the end of outer band, one on costa at one-third, and a larger one on outer margin below apex; the course of the dark curved basal band and of the outer and submarginal bands can be traced by the paler-edged lines, and the cell-spot is blackish and distinct; marginal line formed of coalescent purplish black lunules; fringe grey with a whitish base, and faint chequering.

*Hindwing*: green, with base narrowly dark brown; a curved grey band just before middle, and the whole outer two-fifths grey-brown, containing a paler lunulate-dentate outer line, with the teeth marked prominently on the veins; margin from 4 to 6 narrowly green; marginal line fine, blackish.

In the ♀ all the green spaces are larger, but in no case to such a degree that the insect can be mistaken for *confusa* Warr.

Underside paler green, with all the grey-brown areas duller.

Head and thorax grey-brown; basal segment of abdomen with a velvety black ring; rest of abdomen ochreous above, whitish below; shoulders green.

Expanse of wings: ♂ 32 mm.; ♀ 39 mm.

1 ♂, 1 ♀ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season, and 1 ♂ from R. Huacamayo, Carabaya, Peru, 3100 ft., June 1904, dry season (Oekenden).

38. *Comibaena subaurea* spec. nov.

*Forewing*: pale yellow, striated with olive and green; costa green; apex broadly green, narrowing to anal angle; cell-spot dark green.

*Hindwing*: with a narrow green marginal border, its inner edge diffuse; rest of wing pale yellow, with olive striae.

The fringes of both wings are worn, but were probably green.

Underside orange, the green borders of upperside showing through.

Face and palpi red; vertex and antennal shaft snow-white; the pectinations fuscous; shoulders and patagia green; abdomen pale yellow with a few striae, and at base marked laterally with green.

Expanse of wings: 28 mm.

1 ♂ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Ockenden).

This species stands quite by itself.

### 39. *Drucia circumdata* spec. nov.

*Forewing*: dull grass-green; costa white underlined with rusty yellowish; an apical and anal bright brick-red blotch connected along margin in the middle by a fine reddish line; fringe red; cell-spot minute.

*Hindwing*: similar; the apical blotch long and narrower, the anal blotch narrowly produced along inner margin to join a semi-oval blotch on basal third.

Underside whitish green, with the red blotches partially showing through.

Face, thorax, and dorsum brick-red; the last with five red crests tipped with shining scales; abdomen beneath and legs whitish.

Expanse of wings: 38 mm.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., October 1904, wet season (Ockenden).

### 40. *Halioscia atroviridis*.

*Oospila atroviridis* Warr. *Nov. Zool.* xi. p. 24. ♂ (1904).

The ♀ of this species differs from the ♂ in having the thick black marginal border greatly reduced in width and wholly interrupted in the middle below vein 4; the forewing bears, therefore, only a black-brown blotch between veins 4 and 6 and a larger diffuse one at anal angle, while the hindwing has a narrow streak at apex, a square blotch on vein 5, and a small, more rounded, one above anal angle; these markings are all repeated, but duller, on the bluish white underside.

Expanse of wings: 44 mm.

1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden), along with two typical ♂♂.

The ♀ may be distinguished from that of *H. procellosa* Warr., which it somewhat resembles, by the bulged outer margin of forewing.

### 41. *Halioscia procellosa* spec. nov.

*Forewing*: semitransparent, deep sea-green, covered with very fine dark scales arranged in obscure striae; costal edge ochreous, with fine dark dots; a diffuse round smoky blackish cell-spot, and two large marginal blotches; one diffusely subquadrate, from vein 7 to below vein 5, running narrowly to apex; the other rounded, at anal angle, reaching nearly to middle of inner margin, above not touching vein 3; fringe smoky black, chequered narrowly with white between veins.

*Hindwing*: the same, but with both marginal blotches larger; a raised white spot at upper end of discocellular; across the dark blotches in both wings a faint pale waved submarginal line can be traced.



Underside uniform bluish white, with the fringes dark; costa of forewing yellow.

Face and palpi above, thorax, patagia, and base of dorsum with the crests, all smoky blackish; palpi and face beneath whitish; vertex and shaft of antennae snow-white; the pectinations and apex yellow; collar and shoulders green; anal segments and underside of abdomen, the legs, and pectus white.

Expanse of wings: ♂ 42 mm.; ♀ 48 mm.

1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden) type; 1 ♀, Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Ockenden).

A large edition of *H. congener* Warr. from Rio Demerara.

#### 42. *Hydata brunneopicta* spec. nov.

*Forewing*: yellow-green; the markings deep olive-brown; the costa fulvous brown; a black-brown blotch at base, reaching to one-fourth of inner margin, but hardly extending above median vein; a small diffuse dark spot in cell, and an ear-shaped brown dark-edged cell-spot at the end; two fine wavy lines reversely innulate, the first antemedian, nearly vertical, the other postmedian and outcurved above, the reversed lunules closely approximated on submedian fold; a dark brown submarginal band ending in a wide triangular costal blotch of the same colour, containing a small spot of pale ground-colour before apex; a marginal brownish shade; fringe green, with dark brown spot at apex.

*Hindwing*: occupied by three broad olive-brown bands with darker edges, leaving only narrow spaces of ground-colour: viz. a spot at base; an antemedian band, reaching inner margin and broader above median vein, where it is crossed by the dark inner edge of median band; a curved and dentate postmedian band, preceded by the black dentate outer edge of the median band; and a slight submarginal space in upper half of wing; fringe green shaded with brown, and with a blackish spot at end of vein 6 which runs out into a tooth.

Underside pale dull yellowish green; forewing with brown marks at base and middle of costa and with the subapical triangle and submarginal band; hindwing with straight central line and curved submarginal shade.

Head, thorax, and abdomen olive-brown, the last somewhat paler; lower part of face, palpi beneath, and fillet greenish.

Expanse of wings: 22 mm.

1 ♂ from R. Huacamayo, Carabaya, Peru, 3100 ft., June 1904, dry season (Ockenden).

Hindwing shaped as in *transductaria* H. S., but with a prominent tooth at vein 6.

#### 43. *Hydata latifasciata* spec. nov.

*Forewing*: pale hyaline green; a small patch at base of inner margin, and a broad submarginal band dull blackish green; between veins 3 and 4 this band runs to margin, and between 6 and 7 projects towards it without touching it; costa whitish ochreous; fringe whitish, darker between veins 3 and 4; traces across middle of two curved grey lines.

*Hindwing*: wholly blackish green except a narrow marginal space before the whitish fringe; traces of a darker median fascia with pale edges.

Underside pale green with the dark markings showing through.

Head and antennae white; thorax and abdomen ochreous, perhaps faded.

Expanse of wings: 26 mm.

1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., October 1904, wet season (Ockenden).

The anastomosis of costal and subcostal veins of hindwing is very short, but complete; outer margin of hindwing subcrenulate, with stronger teeth at 4 and 6, and a sinus between.

#### 44. *Hydata lunifera* spec. nov.

*Forewing*: very pale yellowish green, crossed by four series of large white spots; these spots are in the same relative position as the fine white lines in *H. malina* Butler and *H. tridentata* Warr. (*Pachycopsis*); the antemedian, postmedian, and submarginal consist of contiguous white crescents; the marginal row of round spots; fringe greenish white.

*Hindwing*: the same, but the spots are even broader.

Underside dull pale green, with the white spots showing through.

Face green; vertex and antennal shaft snow-white; thorax and abdomen pale green varied with white, the abdominal segments with white rings.

Expanse of wings: 20 mm.

1 ♂ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Ockenden).

#### 45. *Hydata spilosata* spec. nov.

*Forewing*: yellow-green, thinly scaled; with patches of deeper green at base, along costa, and at apex, this last connected with a submarginal patch beyond cell; cell-spot large, deeper green, connected with the costal streak; fringe concolorous.

*Hindwing*: with base, a large rounded blotch before middle of inner margin, the cell-spot, and a submarginal spot beyond cell, darker green.

Underside pale yellowish green.

Thorax and abdomen yellow-green; vertex, antennae, and face white.

Expanse of wings: 22 mm.

1 ♂ from Ciudad de Tucuman, 450 m., January 1902 (Dinelli).

#### 46. *Lissochlora?* *nigricornis* spec. nov.

*Forewing*: pale green, rather thinly scaled, with the costal edge paler, and at base reddish; two pale dentate lines: the inner from one-fourth of costa to one-third of inner margin edged outwardly with darker, slightly grey-green; the outer from two-thirds of inner margin oblique outwards and edged inwardly with darker; a black cell-spot; a fine purplish marginal line, broadly interrupted at the ends of veins; fringe yellowish.

*Hindwing*: like forewing, the inner line curved.

Underside whitish green; the cell-spots and marginal dashes very distinct; the outer line darker green; costa of forewing grey at base.

Head and thorax pale green; vertex white, with a reddish line behind; abdomen ochreous, the dorsum marked broadly with grey; antennae with shaft white and pectinations black, these being short and stiff, and thickened at apex.

Expanse of wings : 24 mm.

1 ♂ from Cushi, Province Huancayo, Peru, 1900 m. (Hoffmanns).

Hardly a true *Lissochlora* ; the structure of the antennae differs.

47. *Lissochlora venilineata* spec. nov.

*Forewing* : deep green ; the costal edge white, underlined with yellow ; all the veins,—except the costal and subcostal with its branches,—the folds, and the discocellular narrowly white ; a pale curved line at one-fourth, followed by a deeper band of green interrupting the white veins ; a dentate-lunulate line at two-thirds, parallel to outer margin, the dark green teeth of which interrupt the pale lines of veins ; fringe white.

*Hindwing* : with both lines and the pale veins all more clearly marked.

Underside paler green, with the pale veins hardly marked ; costa of forewing bright red, finely edged with white in apical half.

Thorax and basal segment of abdomen green ; abdomen whitish ; face and palpi bright red ; vertex white, green behind ; antennae white, with the pectinations greenish fuscous ; forelegs fuscous in front.

Expanse of wings : 34 mm.

1 ♂ from Limbani, Carabaya, 9500 ft., April 1904, dry season (Ockenden).

48. *Melochlora condensata* spec. nov.

*Forewing* : deep grass-green ; lines darker, olive-green ; first, nearly vertical, from one-fourth of costa to before one-third of inner margin, with slightly paler inward edge ; outer line from five-sixths of costa to two-thirds of inner margin, nearly straight, outwardly edged with paler ; fringe pale green, with a dark spot at apex ; cell-spot small, black.

*Hindwing* : with curved broad dark shade near base just before the minute black cell-spot ; outer line straight just beyond middle, edged with pale bluish green ; fringe pale green.

Underside pale green ; forewing with cell-spot and broad well-defined black submarginal cloud, reaching vein 6, but constricted at vein 4 ; a black dot at apex in the fringe ; hindwing with diffuse straight blackish blotch near base, not touching either margin ; a black blotch on costa before apex, produced as an indistinct curved green shade across wing.

Face, vertex, thorax, and abdomen ochreous ; palpi and antennae black and white ; collar, shoulders, patagia, and belt on basal segment of abdomen green ; abdomen, palpi beneath, pectus, and legs ochreous.

Expanse of wings : 33 mm.

1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

Smaller and darker than *M. intermedia* Warr., from which it is distinguished by the very different underside ; the hindwing is also more distinctly angled at middle.

49. *Melochlora minor* spec. nov.

*Forewing* : deep apple-green, paling slightly towards outer margin ; fringe yellow-green ; a darker postmedian shade is faintly perceptible.

*Hindwing* : the same.

Underside paler green; fringe yellow.

Face and palpi red-brown above, ochreous below; vertex and shaft of antennae white; collar, shoulders, and patagia green; thorax and abdomen above and below, pectus, and legs ochreous.

Expanse of wings: 22 mm.

1 ♂ from R. Huacamayo, Carabaya, Peru, 3100 ft., June 1904, dry season (Ockenden) (*type*); 2 ♂♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

#### 50. *Miantonota imitans* spec. nov.

*Forewing*: pale green; the costal edge yellowish, shortly red at base; two fine white lines, as in *M. nigrisquama* Dogn.; first near base, slightly bent on median vein, obsolete before costa; second straight from inner margin at two-thirds to vein 6, parallel to outer margin, almost imperceptibly curved between veins; cell-spot blackish; marginal line rust-red, interrupted by pale spots on the veins; fringe yellowish with dull red spots beyond veins.

*Hindwing*: with the outer line bent on vein 4; no distinct cell-spot.

Underside whitish green, yellower green towards costa of forewing, which is yellowish; fringe yellow with the marginal line reddish; cell-spot of forewing visible.

Face and palpi externally dull red; antennae white at base, then reddish; fillet white; vertex, thorax, and abdomen green; a single dorsal spot on second segment and double blotch on fourth and fifth segments black-brown.

Expanse of wings: 26 mm.

1 ♂ from Tinguri, Carabaya, S.E. Peru, 3400 ft., August 1904, dry season (Ockenden).

*M. nigrisquama* Dogn. has the face green; no red marginal line; and a black blotch only on basal segments.

#### 51. *Miantonota sellata* spec. nov.

Exactly like *M. decorata* Warr., but the outer line in both wings is finely dentate-lunulate instead of being straight.

Face, thorax, and dorsum green like the wings; fillet white; second dorsal segment with a brick-red blotch with paler centre; fourth, fifth, and sixth segments with three contiguous brick-red blotches, that on the fourth with a whitish centre; anal tuft, abdomen beneath, and legs whitish.

Expanse of wings: 35 mm.

2 ♂♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

Near also to *M. xaliria* Dogn., but larger.

#### 52. *Racheolopha astigma* spec. nov.

*Forewing*: deep grass-green; costa bone-coloured, speckled with black; a bone-coloured marginal border, stained with flesh-colour and speckled with black, except along inner edge; the border runs from costa to vein 4 nearly uniformly wide, its edge rounded between the veins; from 4 to 2 it is much narrower, and then forms an elongated blotch along inner margin nearly to middle; marginal line black interrupted above; fringe flesh-colour, slightly grey-checkered; no cell-spot.

*Hindwing*: with the border amplified at apex, starting from just beyond middle of costa and angled internally at vein 6, the blotch at anal angle much smaller.

Underside whitish green, the pale borders showing through; costa of forewing ochreous, flesh-coloured towards base.

Face, palpi, and forelegs dull reddish; vertex and antennae whitish; collar red; thorax green; abdomen ochreous, the dorsum and crests reddish.

Expanse of wings: 26 mm.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., October 1904, wet season (Oekenden) (*type*); and 1 ♂ (worn) from Tinguri, Carabaya, S.E. Peru, 3400 ft., January 1905 (Oekenden).

Distinguished by the entire absence of cell-spots.

### 53. *Racheolopha fimbripedata* spec. nov.

*Forewing*: semi-hyaline green, with a minute black cell-spot; costa brownish yellow; a dull red-brown marginal border from vein 6 to inner margin, narrow between veins 3 and 4, forming a bilobed projection between 4 and 6, and a longer bilobed blotch below 3; both edges darker; the marginal line interrupted by yellow at the vein-ends and reaching apex; fringe yellowish, chequered with brown.

*Hindwing*: with an elongated blotch at apex and anal angle, narrow between 3 and 4; the green runs in beak-like on vein 6; the anal blotch shows four slight curves; fringe as in forewing.

Underside dull yellowish green with brown blotches showing at apex of hindwing and anal angle of forewing, and slightly beyond veins 4 and 6.

Face and palpi red-brown; vertex and antennae white; collar dull red; thorax, patagia, and sides of abdomen green; dorsum reddish brown with the crests darker; abdomen beneath and pectus greenish white.

Expanse of wings: 24 mm.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Oekenden).

Near *R. arpata* Schaus and *extensata* Warr.; the hindtibia bears a fringe of long pale hairs.

### 54. *Racheolopha leucostigma* spec. nov.

*Forewing*: grass-green; costa bone-colour, thickly grey-speckled; a bone-coloured marginal border, starting as a small semicircle from 7 to 6, forming a bilobed rounded projection from 6 to 4, a simple shallow lunule from 4 to 3, and a larger rounded blotch at anal angle reaching to two-thirds of inner margin; the two larger blotches are filled with dark grey scales, and the inner edge throughout is dark grey; marginal line dark grey, interrupted at the veins; fringe bone-colour, chequered with grey beyond veins; cell-spot blackish.

*Hindwing*: with the marginal border broad and elongate at apex, smaller at anal angle, narrowest and angled between 2 and 3; the central grey scaling continuous; cell-spot silvery white, oval, at top end of discocellular.

Underside pale yellowish green; costa of forewing yellowish ochreous speckled with grey, wholly grey at base.

Face and palpi dull reddish brown; vertex and antennae whitish; thorax and sides of abdomen green; dorsum red-brown with metallic crests and hairs; anal segment, abdomen beneath, and legs whitish ochreous.

Expanse of wings : 24 mm.

2 ♂♂ from Tinguri, Carabaya, S.E. Pern, 3400 ft., January 1905, wet season (Ockenden) (*type*); and 1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905 (Ockenden).

#### 55. *Racheolopha plurimaculata* spec. nov.

*Forewing* : green; costal stripe brownish grey; at apex and anal angle two bone-coloured blotches stained with flesh-colour and thickly edged with red-brown; the upper one large, reaching to below vein 4, nearly semicircular in shape, the veins across it marked with red-brown scales; the lower one flattened, reaching to vein 2 and crossed near the angle by a red-brown mark; marginal line formed of black-brown lunules beyond the blotches and red-brown between; fringe bone-colour, mottled with dull red-brown beyond veins 2, 3, and 4; cell-spot blackish.

*Hindwing* : with a lengthened apical blotch reaching vein 4, traversed by a red-brown submarginal line, veins 6 and 7 being thickly marked with red-brown speckling; anal blotch as in forewing, but smaller, connected with a semi-elliptical blotch occupying basal half of inner margin; cell-spot minute; fringe and marginal line as in forewing.

Underside pale green, the marginal markings showing through; costa of forewing reddish grey at base.

Head, palpi, and antennae dull red-brown; thorax green; abdomen pinkish ochreous, with red-brown basal ring; the crests varied with red-brown.

Expanse of wings : 28 mm.

1 ♂ from Pozuzo, Hnánco, Peru, 800—1000 m. (Hoffmanns).

Nearest to *R. rosipara* Warr., which has no anal blotches.

#### 56. *Racheospila fallax* spec. nov.

*Forewing* : grass-green; the costa white; cell-spot red-brown, rather large; a deep flesh-coloured semicircular blotch from apex nearly to vein 4, broadly edged inwardly with red-brown; a small flattened blotch at anal angle, the lower half of which is whitish; a red-brown marginal line; fringe pale red-brown with white flecks at veins.

*Hindwing* : with the apical blotch narrower, not reaching vein 5, whitish crossed by pink shades; the anal blotch like that of forewing; cell-spot small, red-brown; inner margin narrowly red-brown.

Underside whitish green, darker in costal half of forewing; costa itself yellowish; cell-spot and apical blotch of forewing red-brown; marginal lines and mottling of fringes red-brown in both wings.

Face and palpi deep red-brown, the lower part of face whitish; vertex and antennae white; fillet, shoulders, and patagia green; thorax and dorsum brick-red; second, third, and fourth segments of dorsum each with a whitish saddle, that on third with a red centre; abdomen beneath and legs whitish; forelegs marked with dark brown.

Expanse of wings : 28 mm.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., October 1904, wet season (Ockenden).

57. *Racheospila pulchrifimbria* spec. nov.

*Forewing*: uniform green; costal edge white, diffusely underlined with deep reddish and before apex crossed by three or four red spurs from the red streak, which itself on each side of the middle is interrupted by white spots; a marginal row of semi-elliptical snow-white spots between the veins, edged inwardly by a deep red dentate-lunulate line, before which the green is stained with vinous; each marginal spot is followed by a corresponding white spot in the fringe, the rest of which is vinous; the spots above the middle are rounder than those below.

*Hindwing*: with the marginal spots all rounder.

Underside pale green, with the marginal markings and fringe all dull.

Palpi white with a few reddish scales externally; face olive-green, with a red line above; fillet and antennae snow-white, the back of vertex scarlet; thorax, shoulders, and patagia green; dorsum deep red, each segment but the second with a large snow-white spot, that on basal segment small; anal tuft white; abdomen at sides and beneath white, like the legs.

Expanse of wings: 17 mm.

1 ♂ from Aroewarwa Creek, Maroewyn Valley, Surinam, April 1905 (Klages).

I have seen specimens of this species from various localities before; hitherto it has, I think, been passed over as a form of *sigillaria* Gnen., but both that species and *sitellaria* Gn. have only three white dorsal spots.

58. *Racheospila semiornata* ab. *brunneilinea* nov.

Differs from the type-form of *semiornata* Warr. in that both lines of the forewing are marked by brown spots on the veins, partially connected, and ending on inner margin in brown blotches reaching to submedian fold, the outer line not connected with the blotch at anal angle, which is smaller than in the type-form.

In the hindwing these two brown extremities of the lines are united along the inner margin and form a shallow blotch.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Oekenden).

59. *Rhodochlora unicolor* spec. nov.

*Forewing*: apple-green; costa finely white, red at the extreme base: inner line marked by a red dot on the median and submedian veins and on submedian fold; these in the ♀ are connected by a waved red line; cell-spot red; outer line lunulate-dentate, red, parallel to outer margin, not reaching above vein 6, and marked mainly by the red teeth on the veins; this line plainer in the ♀, where the lunule between veins 1 and 2 is thick and filled up with yellow scales edged with red; fringe pale green, with a red spot at apex.

*Hindwing*: with the usual yellow basal area green like the rest of wing; the purple subbasal band pear-shaped, broader below, and edged with yellowish, reaching from middle of cell to vein 1, and larger in ♀; outer line marked by red teeth on veins; fringe pale green.

Underside whitish green, especially in hindwings; cell-spot of forewing reddish; a faint green central band on hindwing; costa of forewing red at base.

Palpi bright red above, white below; face orange, edged with red; vertex and antennae white.

Thorax green; abdomen whitish green; pectus, abdomen beneath, and legs white; knees and tibiae spotted with black.

Expanse of wings: ♂ 50 mm.; ♀ 60 mm.

2 ♂♂, 1 ♀ from Agualani, Carabaya, Peru, 9000 ft., March 1905, wet season (Ockenden).

Distinguished by the green base of hindwings.

60. *Tachyphyle albisparsa* spec. nov.

*Forewing*: deep apple-green, paling along outer margin; from three-fifths of inner margin a bluish white line runs, slightly curved, parallel to hindmargin, fading out above 6; a faint bluish white inner line, oblique outwards; space between the lines dusted with bluish white scales; cell-spot black; fringe pale green, dark at apex.

*Hindwing*: with the line straight and central.

Underside paler green, washed with whitish in hindwing; marginal area and fringe in both wings whitish.

Head white; thorax green; abdomen greenish ochreous, beneath white; legs white, with black knees.

Expanse of wings: ♂ 30 mm.; ♀ 40 mm.

3 ♂♂, 1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

61. *Tachyphyle lucens* spec. nov.

*Forewing*: glossy deep green; lines thick, deeper green; first curved, at one-third; second from three-fifths of inner margin, slightly curved, towards four-fifths of costa, before which it becomes obsolescent; a lilac-grey lustre precedes the first and follows the second line and also fills the central area below middle; fringe pale green; cell-spot minute, black and round.

*Hindwing*: with straight central line and dark green cell-spot; costa whitish; fringe pale green.

Underside shining whitish green, deepening towards outer margin; the fringes and extreme margin pale green; a dark grey-green cloud in fringe at anal angle of forewing and apex of hindwing, and a small grey spot on submedian fold of hindwing beneath the base of vein 2; hindwing yellowish green towards base; inner margin of forewing white.

Vertex, face, palpi, and base of antennae snow-white; shoulders and patagia green; thorax and abdomen ochreous, probably green when fresh.

Expanse of wings: 34 mm.

1 ♂ from Pozuzo, Hnánuco, Peru, 800 to 1000 m. (Hoffmanns).

62. *Xenopepla flavinigra* spec. nov.

*Forewing*: dark olive-brown, crossed by three pinkish brown lines curved parallel to hindmargin; the inner and outer dentate-lunulate; the inner at one-fourth, the teeth pointing basewards; the outer at two-thirds, the teeth pointing outwards; submarginal line simply curved, starting from a pinkish brown costal space, followed by a finer one slightly dentate close before the margin; fringe with basal half dark, apical half whitish between the veins, wholly dark



beyond them ; from beyond middle of costa a tawny orange stain runs obliquely to before submarginal line above vein 3, the two lunules of outer line between 4 and 6 being edged internally by two yellow lunules and externally by two yellow blotches, with a third below between veins 3 and 4.

*Hindwing* : similar, but the tawny and yellow colouring less extended.

Underside dark olive-fuscous with a golden-yellow blotch beyond cell in each wing, that in the hindwing much narrower.

Head, thorax, and abdomen deep olive-fuscous ; abdomen below dull brown.

Expanse of wings : 23 mm.

1 ♂ from Cushi, Huáncoco, Peru, 1900 m. (Hoffmanns).

#### SUBFAMILY STERRHINAE.

##### 63. *Anisodes coenosata* spec. nov.

*Forewing* : yellow, with transverse red striations, much obscured by an olive-grey suffusion which extends from base along costal half of wing to apex and embraces the two submarginal shades, the inner of which also encroaches upon the course of the outer line, which is marked by black vein-dots ; cell-spot large, formed by a coal-black ring with olive-grey centre ; marginal spots small and black ; fringe mottled, olive-grey and yellow ; the veins with olive scales.

*Hindwing* : like forewing ; the lower half also crossed by olive-grey antemedian and median bands ; cell-spot larger.

Underside dull yellow, without speckling ; base of forewing above submedian fold dull rosy purple ; outer line, dentate-lunulate, and the interrupted praesubmarginal band purple rosy ; fringe yellow ; cell-spot diffusely black : hindwing with oval black cell-spot and outer and marginal series of reddish spots.

Head, thorax, and abdomen clouded with olive-grey ; the face pale yellow with the top reddish ; abdomen paler, more yellow.

Expanse of wings : 26 mm.

1 ♂ from Cushi, Huáncoco, Peru, 1900 m. (Hoffmanns).

Hindlegs without fringe ; hindtibiae with only terminal spurs.

##### 64. *Anisodes flavistigma* spec. nov.

*Forewing* : pale greenish ochreous, faintly dark-speckled ; the lines dull purplish, faint, oblique outwards below costa, then inwards parallel to outer margin : first at one-fourth, bent in cell ; median at three-fifths, roundly bent from costa to vein 2 ; outer at three-fourths, angled on vein 6, and marked darker on veins ; an annular cell-spot, the centre yellowish with dark edge ; purplish marginal spots between veins ; fringe concolorous.

*Hindwing* : like forewing ; the cell-ring larger.

Underside paler, the disc of forewing greyish ; outer line marked by vein-dots.

Face brownish ; palpi greenish, with terminal segment brownish ; thorax and abdomen dull green ; vertex and antennal shaft white.

Expanse of wings : 25 mm.

1 ♂ from Sapucay, Paraguay, September 1904 (Foster).

Apex of forewing acute ; outer margin oblique, without crenulation ; hindwing toothed at vein 4, with minute crenulations ; hindtibiae with terminal spurs only. A very distinct species.

65. *Anisodes gracililinea* spec. nov.

*Forewing*: bone-colour; the lines and shades luteous grey; costa broadly of the same colour; the whole wing with a few very fine dark atoms; all the lines oblique parallel to outer margin; first line very fine, angled sharply in cell, marked by brown spots on veins and in cell; a subcostal brown spot nearer base; cell-spot olive-brown; median shade obscurely dentate, from quite two-thirds of costa to before middle of inner margin; outer line lunulate-dentate, the teeth darker on veins; submarginal line obscure between darker luteous grey shades; black marginal spots between veins and minute dots at their ends; fringe bone-colour.

*Hindwing*: like forewing, but the cell-spot oval, black-edged, with a white centre.

Underside of forewing with all markings rosy; the base suffused with dull rosy as far as median shade: hindwing pale ochreous with the markings brown-red.

Head, thorax, and abdomen bone-colour; dorsum spotted with black.

Expanse of wings: 36 mm.

3 ♂♂ from Cnshi, Huánuco, Peru, 1900 m. (Hoffmanns).

Hindtibia of ♂ with a median spur. Wings shaped as in *lanccaria* Feld.

66. *Anisodes griseomixta* spec. nov.

*Forewing*: pale yellowish ochreous, finely speckled with blood-red; the inner and outer lines marked by purplish red vein-spots; the inner line, the dentate median shade, and the praesubmarginal shade smoky olive-grey, the last interrupted between veins 3 and 4, and 6 and 7; cell-spot with purplish red edge and white centre; marginal spots large, purple-red; fringe yellow, mottled with reddish beyond veins.

*Hindwing*: the same, but without inner line.

Underside paler, with all the markings dull rosy; cell of forewing also dull rosy.

Head, thorax, and abdomen yellowish ochreous dusted with red; dorsum with red spots.

Expanse of wings: 26—28 mm.

3 ♂♂, 3 ♀♀, from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Oekenden).

Hindtibia of ♂ with a median spur.

67. *Anisodes ignea* spec. nov.

In shape of wings and in markings exactly like *A. fimbripedata* Wlk., but the ground-colour is bright deep yellow, with the speckling orange-red; first line marked by black spots on folds as well as on veins; median shade diffuse, marked with dull smoky olive, dentate throughout, and incurved below vein 4; outer line marked by black points on veins; submarginal line hardly marked, but preceded by an interrupted band of smoky olive; marginal spots black; fringe deep orange.

Underside dull fulvous, with all markings darker.

Head and thorax deep yellow and orange; abdomen paler yellow, with the dorsum streaked with orange; hind femur and tibia fringed with deep yellow hairs; tibia with terminal spur only.

Expanse of wings: 40 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden).

68. *Anisodes khakiata* spec. nov.

*Forewing*: bone-colour, covered with sandy brown speckling; crossed by two lines of the pale ground-colour, curved more or less parallel to the outer margin, from one-third and three-fourths of costa to one-third and two-thirds of inner margin respectively, the first edged outwardly, the second inwardly with brown; the first line is acutely angled outwards on the subcostal vein; cell-spot pale with dark edging; black marginal spots between the veins; fringe pale, with an interruptedly brownish base; veins slenderly pale.

*Hindwing*: like forewing; the basal area rather paler; outer line bulged outwardly in middle as in forewing.

Underside of forewing washed with dull rosy; costal and marginal areas speckled with pale; outer line dentate-lunulate, paler-edged; cell-spot grey, diffuse; marginal lunules dull rosy; fringe yellowish; hindwing ochreous speckled with dull rosy; markings as in forewing.

Head, thorax, and abdomen sandy brown, the last with a pale dorsal stripe; palpi, face, and forelegs reddish.

Expanse of wings: 30 mm.

3 ♂♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

Allied to *Anisodes fulgurata* Warr., but without the zigzag marginal lines.

69. *Anisodes latifasciata* spec. nov.

*Forewing*: quite pale straw-colour, dusted with minute dark atoms; inner line marked only by three small dark spots on the veins; cell-spot a flattened oval, the centre whitish with a dark ring; median shade sharply dentate and sinuous, from two-thirds of costa to middle of inner margin; outer line lunulate-dentate, below costa acutely dentate, from five-sixths of costa to two-thirds of inner margin; space between these lines deep red to vein 5, with some scattered brown-red scales above, where the lines are more conspicuous; the praesubmarginal and marginal shades marked by deep red blotches beyond cell separated by two lunules of the pale submarginal line; some slight reddish marginal spots between veins and smaller ones at the vein-ends; fringe straw-colour.

*Hindwing*: with basal line slightly marked; the red fascia as in forewing to vein 5, the part above with very slight scaling; no red blotches beyond cell in the marginal area.

Underside glossy straw-colour, with traces of the fascia, lines and blotches, all purplish grey; costa of forewing yellowish with grey dusting near base, which is also spread over the whole base of wing; cell-spot distinct.

Head, thorax, and abdomen straw-colour; top of face pale brown; a reddish spot at back of vertex in the middle; a pair of spots on thorax, and reddish blotches in front of each segment of dorsum.

Expanse of wings: 38 mm.

1 ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

70. *Anisodes parciscripta* spec. nov.

*Forewing*: sandy yellow, covered with coarse grey speckling; the lines formed of dark grey speckles; the first indistinct, at one-fourth, bent in cell; median shade from two-thirds of costa to middle of inner margin, diffuse and slightly

waved, the inner edge touching a small snow-white cell-spot; outer line lunulate-dentate, the teeth marked darker on the veins; black marginal spots between veins; fringe concolorous, mottled with grey.

*Hindwing*: without first line.

Underside yellow, very sparsely speckled; the median shade and outer line distinct on both wings, purplish grey; base of forewing and costa suffused and sprinkled with purplish grey.

Head, thorax, and abdomen concolorous with wings; face deep brown.

Expanse of wings: 40 mm.

1 ♀ from Agualani, Carabaya, Peru, 9500 ft., August 1904, dry season (Ockenden).

#### 71. *Anisodes parvidens* spec. nov.

*Forewing*: bone-coloured, finely speckled with olive and reddish; costal and outer marginal areas tinged with olive luteous: the lines of the same hue; inner line at one-fifth, obscure, bent in cell, and marked by dark points inwardly on veins; median shade obscurely dentate, oblique from two-thirds of costa to before middle of inner margin; outer line fine, lunulate-dentate, the teeth marked by purple spots on veins; praesubmarginal shade olive-grey, interrupted above and below middle: submarginal line pale, waved; purplish marginal spots between the veins, and minute dots at their ends; fringe bone-colour; cell-spot minute.

*Hindwing*: like forewing; but the cell-spot larger, irregularly oval, with purplish edging and whitish centre.

Underside bone-colour; the cell-spots and outer and marginal series of spots brown-red; forewing from base to median shade dull grey with a faint reddish tinge; slight speckling along costal and outer margins.

Head, thorax, and abdomen bone-colour; top of face brownish: thorax and dorsum spotted with blackish.

Expanse of wings: 26 mm.

1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

The tooth at vein 4 of hindwing is slightly prominent; hindtibia with one median spur, and no fringe.

#### 72. *Anisodes radiata* spec. nov. and ab. *connexa* nov.

*Forewing*: yellowish ochreous, thickly speckled with rusty brown, sometimes with a redder tinge; inner line very undefined, but marked by dark dots on veins; median shade nearly straight, diffuse and oblique, from two-thirds of costa to before middle of inner margin, just beyond the cell-spot, which is brown-edged with a centre of pinky white scales; outer line parallel to outer margin, from four-fifths of costa to two-thirds of inner margin, lunulate-dentate, the dark brown teeth showing clearly on a paler band of yellow ground-colour following it; submarginal line interrupted, the shades preceding and following it sometimes conspicuously brown and well defined; marginal spots dark brown, sometimes placed in pale yellow marginal blotches; fringe yellow.

*Hindwing*: the same; the cell-spot somewhat larger.

Underside less speckled, with the lines and bands rosy-tinged; the base of forewing dull rosy; inner margin whitish; cell-spots of both wings deep rosy.

Head, thorax, and abdomen like wings; face with a dull rosy bar at top; forelegs reddish in front.

Expanse of wings: 38—40 mm.

3 ♂♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

A third example from the same locality, to which I give the name of *ab. connexa*, is slightly smaller (35 mm.). It is distinguished by having in both wings the median and praesubmarginal shades dark purplish brown, broad and diffuse, connected by a similarly coloured streak running from cell-spot, the centre of which is silvery white, along vein 5 to margin; the rest of each wing is yellower, being less densely speckled, than in the typical form; the teeth of the outer line and the marginal spots all well defined. On the underside the markings are deeper rosy and broader.

The species is closely allied to *A. lancearia* Feld.; but the forewings are less acute, and the hindmargin, and consequently the transverse markings, less oblique; the ground-colour also is a warmer yellow.

### 73. *Anisodes ruficeps* spec. nov.

Differs from *magnidiscata* Warr., in having the vertex and shaft of antennae concolorous with the rest of body instead of white; also the costal edge of forewing is not paler. In the hindwing the round white cell-mark is slightly larger.

2 ♂♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

Of the same size as, and, except in the above-mentioned points, exactly like a typical ♂ example of *magnidiscata* also from Cushi.

### 74. *Anisodes scintillans* spec. nov.

*Forewing*: pale yellow, thickly speckled, and along the costa suffused, with pale olive-brown; the lines accompanied by olive-brown shading; first line from one-sixth of costa to one-fourth of inner margin, angled on subcostal vein at one-third, then oblique inwards; the olive shade not visible above the subcostal vein and marked on its inner edge with purple-brown spots on the veins; the spot on costa from which the line starts at one-sixth is preceded by another obliquely below it on subcostal; median shade thick, olive-brown, from two-thirds of costa to just beyond middle of inner margin, slightly bent at vein 6, passing a little beyond the cell-spot, which is brown-edged with a centre of lustrous silvery scales; outer and submarginal lines curved parallel to outer margin; the outer lunulate-dentate, the brown teeth on the veins shown up by a pale band of unspeckled yellow, as in *A. radiata*; the submarginal interrupted to form pale yellow spots preceded and separated by a band of dark brown; a row of brown marginal spots; fringe yellow, flecked with brown; a horizontal brown shade from cell to margin between veins 4 and 5.

*Hindwing*: like forewing, but the cell-spot distinctly larger, the metallic scales grey.

Underside pale yellow with all the markings and speckling dull rosy.

Head, thorax, and abdomen pale yellow, washed with deeper; top of face brownish; collar dull red, and a spot at back of the pale yellow vertex; pairs of similar spots on thorax and base of abdomen; antennae yellow, the shaft red-speckled; abdomen at sides and beneath and legs yellow ochreous; forelegs red.

Expanse of wings: 44 mm.

1 ♂ from Agualani, Carabaya, Peru, 9500 ft., August 1904, dry season (Ockenden).

A handsome species with ample wings; hindlegs with femora and tibiae fringed with yellow hair; the tibiae with a median spur.

75. *Anisodes spiculifer* spec. nov.

*Forewing*: straw-colour, speckled with fine violet scales, which are denser along costal area; lines purple-brown, thick and concise; first vertical at one-fourth; outer curved parallel to outer margin and slightly irregular, from beyond three-fourths of costa to two-thirds of inner margin, followed closely by a faint waved violet line; cell-spot small, silvery white, with dark edge; from beyond it along vein 5 a spearhead-like purple mark runs into fringe, swollen in the inner half of marginal area beyond outer line, and there containing a bed of silvery white scales; some dark purple spots on margin between veins, joined by a partial marginal festoon; fringe concolorous, mottled with faint violet.

*Hindwing*: similar, the cell-spot stronger.

Underside yellower, the forewing rosy-tinged in cell and along costa; inner lines faint; outer line with the outer arm dark and waved, the inner dull rosy; the mark on vein 5 dull rosy.

Head, thorax, and abdomen like wings; upper part of face rosy; the dorsum rosy-tinged; palpi externally and forelegs in front deep rosy.

Expanse of wings: 38 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

Hindtibia with a middle spur.

76. *Cnemodes viridiplaga* ab. *vacuata* nov.

Like typical *viridiplaga* Wlk., but without the 'green discal markings; the cell-spot represented in both wings by a short dark line; the median shade is reddish grey and indistinctly double. From *C. indignaria* Guen., which it resembles superficially, it may be at once distinguished by the difference in the outer line and in the cell-marks.

Expanse of wings: 38 mm.

1 ♂ from Sapucay, Paragnay, September 1904 (Foster), accompanied by typical *viridiplaga* and several examples of *indignaria*.

77. *Deinopygia devestita* spec. nov.

*Forewing*: ochreous, tinged with grey; first line blackish, curved, at one-fourth; outer line at two-thirds, squarely projecting between 3 and 4, then incurved, preceded by a dark fuscous uniformly broad band; a broad grey submarginal cloud in the pale marginal area; fringe slightly darker than ground-colour.

*Hindwing*: without basal line; outer line of band projecting at both 6 and 4.

Underside ochreous, with pale greyish brown suffusion; the lines obscurely shown.

Face and palpi dark brown; vertex and antennae whitish; thorax and abdomen ochreous.

Expanse of wings: 15 mm.

1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

In this species the lateral tufts are present at the base of the lengthened anal segment, and the inner margin of hindwing is folded and furrowed, but the outer margin of the hindwing is simply rounded, without excision or sinns.

78. *Dichromatopodia canidiscata* spec. nov.

*Forewing*: dark purplish brown, crossed by two fine yellowish lines; the inner slightly outcurved at one-fourth; the outer from three-fourths of costa to two-thirds of inner margin, bent at right angles on vein 6, and vertical above inner margin; fringe hardly paler, beyond a dark marginal line; cell-spot dark, followed by a curved patch of grey scales.

*Hindwing*: without inner line; outer line bluntly bent on vein 6; cell-spot as in forewing.

Underside dull liver-colour, dusted with whitish; outer lines and cell-spots dark.

Head and thorax purple; abdomen greyer.

Expanse of wings: 26 mm.

1 ♂ from Sapucay, Paraguay, September 1904 (Foster).

This and the following species from Tucuman appear to me to be quite distinct from any of those described from Central America or from the northern parts of South America.

79. *Dichromatopodia concomitans* spec. nov.

*Forewing*: greyish liver-colour, deeper in the central area and especially in its outer half, where a dark median shade runs near and parallel to outer line; lines very fine, pale; first vertical, but faintly outcurved, at one-fourth; outer from four-fifths of costa to three-fourths of inner margin, excurved from costa to below vein 2, then vertical; cell-spot a short grey line; a fine dark marginal line interrupted at the veins; fringe concolorous.

*Hindwing*: with no inner line, and the cell-spot black and round; the rest as in forewing.

Underside brick-red, paler in hindwing; cell-spots black, distinct; outer line reddish brown.

Head and thorax dark; abdomen paler, each segment ringed with dull blackish.

Expanse of wings: 26 mm.

1 ♂ from Tucuman, Argentina, 1100 m., January—February 1905 (Steinbach).

80. *Dysephyra flavida* spec. nov.

*Forewing*: yellow, slightly dusted with grey-brown; the lines grey, very obscure; the inner at one-fourth, vertical; the outer and submarginal lunulate-dentate, parallel to each other and the outer margin, at two-thirds and five-sixths; fringe yellow; a slight brown-grey cell-spot.

*Hindwing*: similar, but without inner line.

Underside uniform dull yellow; inner margin of forewing whitish; lines scarcely visible.

Face and palpi whitish below, brownish above; vertex and antennae brown; thorax and abdomen yellow; abdomen below, pectus, and legs dull yellowish.

Expanse of wings: 30 mm.

1 ♂ from La Union, Cauca R., October 1902 (Klages).

81. *Emmiltis serratilinea* spec. nov.

*Forewing*: chalk-white, speckled with black in basal third; crossed by five blackish serrated lines; the first antemedian, angled in cell, followed by the distinct black cell-spot; the other four at equal distances apart and parallel to one another, the outermost somewhat interrupted; a row of black marginal lunules; fringe white.

*Hindwing*: like forewing, with one antemedian and only three postmedian lines.

Underside white, with the markings hardly showing; veins of forewing dark.

Face and palpi black, whitish below; collar brown; vertex and antennal shaft white; thorax and abdomen white peppered with dark, the abdomen with dark belts.

Expanse of wings: 25 mm.

1 ♂ from La Union, R. Hnacamayo, Carabaya, Peru, 2000 ft., January 1905, wet season (Oekenden).

82. *Haemalea nigricostata* spec. nov.

*Forewing*: cream-colour, finely speckled with rufous; costa purplish at base, thinning out beyond middle; lines brownish, faint; first near base, bent in cell; second, median, at nearly two-thirds, vertically waved; outer line quite near outer margin, thick from costa, bent outwards in middle, but slightly insinuate beyond cell; distinct purplish marginal lunules between veins; fringe cream-coloured; cell-spot purple.

*Hindwing*: without first line; the anal angle strongly produced.

Underside cream-colour, with an iridescent pearly gloss; cell-spot, outer, and marginal lines of forewing distinct.

Face and palpi brown above, pale below; vertex snow-white; collar purple; thorax and abdomen like wings.

Expanse of wings: 21 mm.

2 ♂♂ from Dominica, West Indies (E. A. Agar).

83. *Haemalea subcuprea* spec. nov.

*Forewing*: dark liver-colour, slightly grey-tinged along costa; crossed by three darker lines, the first at one-third, the third at two-thirds, the median halfway between, beyond a black cell-spot; submarginal line shown only by the darker shade preceding it; dark marginal spots; fringe with apical half rufous.

*Hindwing*: without inner line; the basal area paler.

Underside coppery brown, darker in forewing, with all the lines shown.

Head, thorax, and abdomen like wings; fillet pale; abdomen beneath shining whitish.

Expanse of wings: 25 mm.

3 ♂♂ from Pozuzo, Huánuco, Peru, 800—1000 m. (Hoffmanns).

84. *Haemalea umbrimedia* spec. nov.

*Forewing*: pale lilac grey, dusted with darker; lines and markings dark brown; first line at one-fourth, angled on subcostal vein, then slightly oblique inwards; median line at two-fifths, parallel to it, followed by a diffuse reddish



brown shade which fades off before outer line; the dark cell-spot close beyond the line; outer line from three-fourths of costa to four-fifths of inner margin, waved, insinuate on both folds; praesubmarginal shade dark brown, darkest beyond cell and submarginal interval, faint and linear above 6; extreme margin whiter; marginal line thick, deep brown; fringe reddish grey.

*Hindwing*: with inner third grey; outer area, beyond the straight antemedian line, suffused with reddish brown; outer line dentate-lunulate; submarginal only marked at anal angle by a double brown spot.

Underside pinky white; marginal line dark brown; outer line marked in forewing.

Face, collar, and shoulders red-brown; vertex white; thorax, patagia, and abdomen pale grey.

Expanse of wings: 30 mm.

2 ♂♂, 1 ♀ from La Oroya, R. Inambari, Carabaya, Peru, 3100 ft., September, 1904, dry season (Ockenden).

The ♂ is paler than the ♀, with the middle shade quite narrow.

The species is closely related to *H. comminuta* Warr. from French Guiana.

#### 85. *Hemipterodes brunneosticta* spec. nov.

*Forewing*: dull brown, covered with pale yellowish striations; cell-mark linear, white; lines coarse, purplish brown; first at one-fourth, vertical; second from middle of costa to before middle of inner margin, approaching first line, followed on inner margin by an indistinct pale patch with a dark border round it; outer line from three-fourths of costa to above middle of outer margin, paler-edged, and cutting off a pale apical triangle; marginal line red; fringe yellowish.

*Hindwing*: uniformly strewn with red-brown speckles on a pale ground; an indistinct dark middle shade; cell-spot linear, white.

Underside rufous ochreous, with dull purplish brown median shades and marginal borders.

Face and vertex brown; thorax and abdomen speckled, brown and ochreous.

Expanse of wings: 26 mm.

1 ♂ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Ockenden).

#### 86. *Heterophyra luridata* spec. nov.

*Forewing*: flesh-colour, dusted with bright red, but this paler ground-colour is much restricted by patches of smoky fuscous suffusion; costa broadly fuscous; the whole of inner margin beyond basal line below vein 2 fuscous, joined to the costal streak by a narrower band across the discocellular; a quadrate apical fuscous blotch reaching vein 4, but containing a smaller square at apex flesh-colour; first line at one-fourth, wavy, red, preceded by two red dots, one in cell and one below it; median line at two-thirds and outer at three-fourths, parallel to each other, lunulate-dentate, insinuate beyond cell and incurved below middle; marginal line dark fuscous; cell-mark linear, brown, along the discocellular; fringe worn.

*Hindwing*: wholly smoky fuscous, except a narrow basal area and a trilunate space from anal angle to vein 3 along outer margin; the three lines all present, but obscure; cell-spot formed of two black dots at the ends of discocellular.

Underside reddish ochreous, with traces of the lines.

Head and dorsum fuscous; thorax and anal segment of abdomen flesh-colour; tufts of hindtibiae reddish ochreous.

Expanse of wings: 30 mm.

1 ♂ from La Oroya, R. Inambari, Carabaya, Peru, 3100 ft., September 1904, dry season (Oekenden).

Near to *H. commaculata* Warr., but certainly distinct.

87. *Heterephyra rubella* spec. nov.

*Forewing*: pale brick-red, dusted finely with grey; lines olive-grey, obscure; first at one-fourth curved; outer and submarginal at two-thirds and five-sixths, lunulate-dentate, parallel to outer margin; cell-mark small, white, with a grey edge; marginal line fine, deeper red, interrupted at veins; fringe concolorous.

*Hindwing*: without inner line.

Underside uniform pink; inner margin of forewing white.

Face and palpi above brown-red, palpi below white; fillet and antennae white; thorax and abdomen above like wings; abdomen below white.

Expanse of wings: 26 mm.

1 ♀ from Dominica, West Indies.

88. *Hyriogona mixta* spec. nov.

*Forewing*: thinly scaled, yellow, speckled throughout with red, with traces of inner, median, and outer red lines, but all very shadowy and indefinite; beyond the outer line an interrupted submarginal cloud; fringe yellowish.

*Hindwing*: thickly speckled with red, but without lines.

Underside almost entirely dull orange.

Head, thorax, and abdomen like wings.

Expanse of wings: 16 mm.

1 ♂ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Oekenden).

Hindwing almond-shaped, blunt-pointed at vein 4; beneath clothed with long rough scales before anal angle.

89. *Lipomelia segmentata* spec. nov.

*Forewing*: dark brown with a semicircular flesh-coloured patch on basal half of inner margin, and a horseshoe-shaped patch of greyish ochreous at apex between veins 7 and 4, its outside edge containing three small triangles of the brown ground-colour; cell-spot a shining white point; traces of a darker outer line starting vertically from costa at three-fourths; fringe rufous brown.

*Hindwing*: flesh-coloured ochreous, speckled with black; a dark brown marginal border, beginning wide from before apex and narrowing below 6 to a point at anal angle, with a fine wavy line inside it from vein 6.

Underside of forewing deep flesh-colour, darker towards outer margin; the semicircular patch at base of inner margin pale; hindwing rather paler, with the brown marginal border as above.

Thorax and abdomen flesh-colour; shoulders and head brown.

Expanse of wings: 26 mm.

1 ♂ from Pozuzo, Huánuco, Peru, 800—1000 m. (Hoffmanns).

**Paradmata** gen. nov.

*Forewing* : costa curved; apex rectangular; outer margin crenulate, vertical to a slight tooth at vein 4, thence oblique.

*Hindwing* : with crenulate outer margin, toothed at 6 and 4, with a sinus between.

Antennae of ♂ thickened and flattened, the segments triangular, ending in tuberculate fascicles of cilia; palpi porrect, thickly haired, terminal segment obscure; hindtibia aborted; tongue and frenulum present.

Neuration: forewing, cell half as long as wing; discocellular vertical above, oblique below; first median nervule at five-eighths, second well before end of cell; radials normal; 7, 8, 9 stalked; 10, 11 free, 10 anastomosing with 11 and 8, 9, forming a double areole: hindwing with veins 6, 7 from end of cell, vein 3 from before lower end.

Type: *Paradmata perstrigata* spec. nov.

90. **Paradmata perstrigata** spec. nov.

*Forewing* : pale lilac-grey; first line denoted by seven black dots, the three regular ones on the veins, one on each fold, one subcostal, and one on inner margin; cell-spot small, shining white; median line lunulate-dentate, from beyond middle of costa incurved to middle of inner margin; outer line at five-sixths, parallel to outer margin, marked by black dots on veins, below 2 forming a fine line; the two submarginal shades beyond this line form two oblique black-brown streaks not reaching vein 3, and a roundish brown blotch, followed by a diffuse shade, beyond cell; a row of black-brown marginal crescents between veins: fringe concolorous, with a black-brown middle line, also forming crescents.

*Hindwing* : coarsely speckled with black-brown; cell-spot white, with a brown edge; a thick black-brown streak from costa to inner margin just beyond it; outer line lunulate-dentate, most distinct towards each margin, and marked by black dots on veins; the submarginal shades marked by black-brown lunular blotches, interrupted between veins 2 and 4; marginal black marks between veins, and black spots beyond them in the fringe.

Underside of forewing dark grey with a reddish tinge, of hindwing whitish with grey margin; cell-spots black; middle, outer, and submarginal lines shown.

Face and palpi black-brown; vertex, thorax, and abdomen like wings; dorsal segments each with a pair of thick brown marks.

Expanse of wings: 30 mm.

1 ♂ from Sapncay, Paraguay, October 1904 (Foster).

**Parazeuxis** gen. nov.

Differs from *Anisodes* Guen. in the structure of palpi and hindlegs; the palpi are porrect, the second segment thick and hairy, the terminal quite short; the hindlegs are aborted; the femur, tibia, and tarsus being all short and of about equal length, fringed with pale hairs, which on the tarsus form a large spreading brush; from the femoro-tibial joint rises a long slender pencil of hairs. In the forewing veins 7, 8, 9, 10 are stalked from shortly before end of cell and 11 rises some distance before, 10 anastomoses with 11 and again with 8, 9, forming a double areole.

Type: *Parazeuxis punctifera* Dogn. (*Anisodes*).

**Pareupithex** gen. nov.

This genus is allied to *Deinopygia* Warr., but differs as follows :

In the hindwing veins 6, 7 are not stalked as in *Deinopygia* ; the genus may therefore be considered as an off-shoot of *Emmiltis* rather than of *Ptychopoda*.

The forewing has the anal angle produced into a hook, clothed with a bed of rough curled hairs, the inner margin below also having a tuft of hairs ; outer margin longer than inner margin. The hindwing towards anal angle is similarly clothed with rough hairs above and below, the anal angle being produced as a blunt lobe, the outer margin just above it indented only, not excised.

The structure of the hindlegs and of the abdomen coincides with *Deinopygia*.

Type : *Pareupithex cupitheciata* Guen. (*Acidalia*).

**91. Tricentra bisignata** spec. nov.

*Forewing* : liver-coloured, with three thick darker lines placed as in the closely allied species *T. quadrigata* Feld. ; the two folds marked with bright red, from before first line to median, and extended diffusely to submarginal, the intervals between 2 and 3, 3 and 4 also tinged with red ; a snow-white mark on discocellular swollen below ; fringe and extreme outer margin beyond the straight dark edge of ground-colour, yellow.

*Hindwing* : similar : the white cell-mark larger and broadened at base along median vein ; another snow-white mark from base along median nearly touching the outer ; cell area between the spots deep bright red, the area beyond and below cell sprinkled with red scales.

Underside dull greyish rosy, with pale marks on discocellulars ; fringe and margin yellow ; outer line alone visible.

Head, thorax, and dorsum liver-colour ; abdomen at sides and beneath, and legs ochreous ; antennae bright red.

Expanse of wings : 24 mm.

1 ♂ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Ockenden).

Distinguished from *quadrigata* Feld. by the double white spot of hindwing.

**92. Tricentra citrinaria** spec. nov.

*Forewing* : dull golden yellow, suffused from the base outwards with olive fuscous, the costa except quite close to base and the outer margin remaining yellow ; first line blackish, obscure, from one-fourth of costa to one-third of inner margin, slightly waved, but vertical from the subcostal bend ; second and third lines indicated only by the paler shade of fuscous, starting close together from the subcostal vein at two-thirds, outcurved to vein 4, forming a bilobed projection towards margin below middle, then incurved and waved, the inner to two-thirds of inner margin, the outer to close before anal angle ; a yellowish projection from costal streak over the discocellular ; a concise fuscous curved streak from costa before apex to middle of inner margin ; fringe dull yellow.

*Hindwing* : with the two outer shades of forewing ; the submarginal streak fine at apex, thickening to anal angle ; cell-spot formed of two white dots, one at each end of discocellular.

Underside dull ochreous in marginal area, suffused with dark violet grey from base to outer shade ; the cell-marks represented by pale spots.

Head and thorax olive fuscous ; abdomen yellow, dorsally tinged with fuscous.  
 Expanse of wings : 17 mm.

1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

93. *Tricentra laciniata* spec. nov.

*Forewing* : dull vinous ; a linear discocellular mark, a slight curved line from costa near base, and the costal margin beyond middle, dull yellow ; outer lunulate line from four-fifths of costa to middle of outer margin, then skirting the margin to anal angle, pale yellow ; fringe (worn) probably yellow.

*Hindwing* : without first line ; the outer line submarginal.

Underside dull rosy, with the margins broadly, and discocellular lines narrowly, pale yellow.

Head, thorax, and abdomen vinous red.

Expanse of wings : 17 mm.

1 ♂ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Ockenden).

94. *Tricentra mimula* spec. nov.

*Forewing* : violet, with the markings reddish, but very obscure ; first line simply curved, near base ; outer and submarginal, lunulate-dentate, outcurved above and incurved below middle ; a deep red diffuse cell-spot, containing towards its upper end a brilliant point ; outer margin narrowly and fringe pale yellow, the red running out into the fringe at vein 3.

*Hindwing* : redder, with traces of the lines ; cell-spot a pale linear mark ; fringe and outer margin yellow.

Underside dull violet ; the outer margins and fringe yellow ; a yellow linear cell-mark visible on hindwing.

Head, thorax, and abdomen violet, the abdomen darker.

Expanse of wings : 22 mm.

1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

Very close to *T. flavistigma* Warr. from British Guiana ; but the costal edge of forewing is not white, and the vertex and antennal shaft are red, not white ; the cell-mark, too, is different.

SUBFAMILY HYDRIOMENINAE.

95. *Anapalta costimaculata* spec. nov.

*Forewing* : pale grey with a brownish tinge, suffused with darker grey, these tints along the costa forming irregular blackish blotches ; markings much as in *A. psyroides*, but the inner edge of central fascia not so straight, the outer edge not uniformly curved, but flattened above median and lunate only below it ; the band beyond it filled with dull tawny brown ; a short yellowish brown marginal mark from 3 to 4, running out into the fringe at 3 ; the rest as in *psyroides*.

*Hindwing* : yellow, grey-tinged at base ; the apex and a patch at anal angle dark grey ; cell-spot and outer line marked, the latter more clearly on inner margin.

Underside of forewing fuscous black, with a broad yellow fascia at two-thirds, which below vein 3 is clouded with grey ; a yellowish marginal spot between

3 and 4; the fringe chequered with yellowish: hindwing yellow, with apex broadly and outer margin narrowly black; cell-spot and outer line black; fringe yellowish, mottled with black.

Head, thorax, and abdomen dark grey; the edges of the face, shoulders, and patagia pale yellowish.

Expanse of wings: 35 mm.

3 ♂♂ from Cushi, Province Huánuco, Peru, 1900 m. (Hoffmanns).

Allied to *psyra* Druce and *psyroides* Warr., but clearly distinct.

#### 96. *Anapalta psyroides* spec. nov.

*Forewing*: pale grey with a yellowish tinge, suffused with darker, sometimes blackish, grey; the lines dark with pale edgings; edge of basal patch and inner edge of central fascia each margined with a pale grey line; the latter angled in cell, then vertical; central fascia with two darker bands on either side, containing between them a large black cell-spot; its outer edge lunate and regularly curved from three-fifths of costa to two-thirds of inner margin; the pale band following it is yellowish grey from costa to vein 3; submarginal line irregularly waved, whitish, with blackish grey shades on each side, the outer becoming again paler grey before the distinct black marginal line, which is interrupted by white spots at the vein ends; fringe dark grey, paler externally.

*Hindwing*: pale yellow, with apex and inner margin dull black, the latter interrupted above anal angle by a yellowish line; the yellow ground-colour reaching outer margin between 3 and 4: cell-spot and fringe blackish.

Underside of forewing blackish, with a broad yellowish fascia from costa to vein 3; the cell, especially along subcostal vein, marked with yellow; costa before apex white: hindwing as above, the fringe chequered dark and light.

Head, thorax, and abdomen dark and light grey, the head parts somewhat tinged with yellowish.

Expanse of wings: 34 mm.

2 ♂♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

This is quite distinct from the Central American *A. psyra* Druce.

#### 97. *Calocalpe furva* spec. nov.

*Forewing*: brownish fuscous, crossed by numerous waved lines, parallel to outer margin; the central fascia rather darker, narrow, and with the outer edge not angled at veins 4 and 6; the cell-spot black, near the inner edge; submarginal line pale, internally dark-edged, swollen into a larger pale spot on submedian fold; marginal black lunules between veins; fringe pale grey.

*Hindwing*: browner, with the lines obscure, except the pale submarginal.

Underside paler, browner grey, without speckling; cell-spots black, followed by three curved dark postmedian lines; submarginal line of forewing distinctly pale, with a dark shade preceding it.

Head, thorax, and abdomen concolorous with wings.

Expanse of wings: 48 mm.

1 ♂ from Sapucay, Paraguay, December 1902 (Foster).

In the shape of outer line this species agrees with *Scotosia cunctata* Snell, which I have not seen; but that is much smaller, and no mention is made of any fringe of hairs along the fold of hindwing, which could hardly have escaped notice.

98. *Coenocalpe crypsichroma* spec. nov.

*Forewing*: delicate pale grey, crossed by many fine and faintly marked lunulate lines; of these two are curved and limit the slightly darker basal field; the inner edge of central fascia from nearly one-third of costa to one-third of inner margin, also curved; outer edge at three-fourths, lunulate, and bent at middle of wing; this edge is preceded by three or four and the inner followed by one fine waved line; this last and the innermost of the outer series form elongate rings; cell-spot black; the fascia itself is slightly darker grey and is limited by paler grey bands on each side; three fine submarginal lines, that edging the pale band lunulate and marked basewards by grey dots on veins; fringe with basal half darker grey, dotted beyond veins, apical half whitish tipped again with grey.

*Hindwing*: whitish, with slight cell-spot and traces of a darker outer line; fringe greyish.

Underside of hindwing wholly, of forewing along costal area tinged with bright brick-red; cell-spots and outer lines well marked.

Head and thorax grey like forewing; abdomen whiter, beneath reddish-tinged.

Expanse of wings: ♂ 30 mm.; ♀ 25 mm.

1 ♂, 1 ♀ from Limbani, Carabaya, Peru, 9500 ft., April—May 1904, dry season (Oekenden).

The ♀ is throughout rather darker than the ♂, and decidedly smaller.

99. *Erebochlora chamaeleonis* Schaus and ab. *pallidistria* nov. and *subinnotata* nov.

In his description of this species, *Tr. Am. Ent. Soc.* xxvii. p. 271 (1901), Mr. Schaus mentions the outer pinkish band from costa to vein 4 of the forewing beneath, but not the pink costal blotches which precede it. Out of ten specimens, 7 ♂♂, 3 ♀♀ (eight from Limbani and the other two from Tinguri, Carabaya), all but one show these plainly. It is evident, even from this short series, that the species is very variable. The white edging of the outer lunulate line, spoken of by Schaus, is often absent; on the other hand, some examples show a thin or thick white crescent in the middle of the cell, sometimes followed by other pale marks. The insect called by me *E. albistrotata* (*Nov. Zool.* xii. p. 331) is evidently an extreme example of this aberration; another, which may be known as *pallidistria*, has a broad pinkish green smear from base running through cell to submarginal line, obliterating the markings; in one example this streak starts from middle of cell only, and is interrupted beyond cell. In the ♀♀ the dark pink or pale-edged line on the underside of the hindwing runs in the middle of a broad pink band, and this is the case likewise in one ♂. On the other hand, one ♂, ab. *subinnotata*, has the whole underside olive fuscous without any trace of pink or white scales along costa.

100. *Eriopygidia* ? *leucocyma* spec. nov.

*Forewing*: deep olive-green; the lines white, broad; first at one-sixth, vertical, subangulated; second at one-third, angled outwards on median vein, obscurely lunulate-dentate; third at two-thirds, lunulate-dentate, inangulate beyond cell, outcurved between veins 5 and 2; submarginal line much interrupted, waved and distinct from costa to vein 6, where it is joined by an oblique white streak from below apex, marked by faint lunules below middle; veins white at margin; fringe green.

*Hindwing*: orange-red; the base as far as end of cell and inner margin to postmedian line dull olive-green; the postmedian line thick and waved from inner margin to vein 4; cell-spot dark olive; apex and anal angle with some olive scales; fringe greenish grey.

Underside dull fulvous and grey, the fulvous predominating in forewing; both wings with white postmedian line, within which the ground is greyer.

Head and thorax dark green; abdomen greenish ochreous; face paler, probably faded.

Expanse of wings: 52 mm.

1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

A handsome species, placed provisionally in *Eriopygidia*.

#### 101. *Eriopygidia miniata* spec. nov.

*Forewing*: olive-green, with darker green markings; basal patch small, edged by a pale green line; inner edge of central fascia waved and straight, from beyond one-third of costa to near middle of inner margin; outer edge from two-thirds of costa to two-thirds of inner margin, insinuate beyond cell and forming a rather sharp outward tooth between veins 3 and 4, and blunter ones obliquely below; the fascia is traversed by a median dark shade beyond the black cell-spot, and is marked by a white costal spot at the commencement of both outer lines; band before fascia wide, with a darker green centre; submarginal line pale, waved, preceded by a series of dark green lunules, and followed by dark green patches at apex, beyond cell, and above anal angle; a pale green oblique apical streak; pairs of large black marginal spots at the vein ends, coalescing above middle to form lunules between veins; fringe rufous green, chequered with black.

*Hindwing*: bright orange-red, tinged broadly along inner margin from base to outer line with olive, and with an interrupted series of similar coloured blotches along hindmargin; cell-spot olive; fringe red.

Underside dull brick-red; cell-spots black; an obscurely marked outer line followed by a paler space; marginal line dark; apex of forewing pale; hindwing greenish along inner margin.

Head and thorax green; face paler, but perhaps faded; abdomen pinkish ochreous, tinged laterally with pale green; abdomen below and legs dull red; foretibiae and tarsi dark fuscous with pale joints.

Expanse of wings: 35 mm.

1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., October 1904, wet season (Ockenden).

Nearest to *E. intensa* Warr. (*Spargania*), but the red hindwings of quite a distinct tinge, the underside of wings without any yellow.

Two other species described by me as *Spargania* should be removed to *Eriopygidia*—viz. *colorata* and *semipallida*. The latter appears to be identical with *C. eyllene* Druce, and the name must sink.

#### 102. *Eriopygidia rubriviridis* spec. nov.

*Forewing*: olive-green, with various shades and lines of darker green; basal patch small, dark green, passing into blackish green, edged by a fine curved whitish line, dentate inwards on the veins; edges of central fascia pale whitish green,



lunulate outwards and dentate inwards, from costa at two-fifths and three-fifths, nearly meeting just beyond middle of inner margin; the outer edge curved throughout; the fascia itself dark green with lines of blackish green and a blackish cell-spot; the broad space between basal patch and central fascia dark green in the middle, passing into paler yellowish green with darker lines at the sides; space beyond central fascia olive-green, with three waved dark green lines, the outermost blackish green, before the whitish irregularly lunulate submarginal line, which is followed by blackish green patches in places in the dark green marginal space; a marginal row of large black lunules, those below the middle each divided into two; a paler green oblique shade from apex; fringe olive-green, with darker base.

*Hindwing*: with inner marginal half olive fuscous; a broad dark brownish marginal fascia; rest of wing reddish orange, interrupting marginal fascia in middle; a row of marginal black lunules; fringe greenish black.

Underside dull greyish orange; outer edge of central fascia marked by a whitish shade; apex of forewings thickly strewn with blackish scales, becoming grey towards apex itself; cell-spots blackish; an interrupted marginal black line; fringes greenish grey.

Head, thorax, and abdomen pale greenish.

Expanse of wings: 44 mm.

2 ♂♂ from River Tanampaya, Bolivia, 1894 (Garlepp).

### 103. *Hammaptera definita* spec. nov.

*Forewing*: whitish dusted with grey; the lines and shading dark fuscous; basal patch small, pale, edged by two dark straight lines; band following broad, its centre filled up with grey, edged outwardly by a dark line, separated by a pale band with grey centre from the central fascia; this has its inner edge curved at one-third; the outer edge, which projects bluntly at veins 6 and 4, at two-thirds, concave beyond cell, and incurved below middle, distinctly defined outwardly by a white dark-margined line; the fascia dark fuscous, containing a dark cell-spot and traces of lines; a broader pale band edged by another blackish line precedes the dark marginal area, which is traversed by a pale waved submarginal line; pairs of small dark dots at the ends of the veins; fringe dark above, paler below.

*Hindwing*: whitish, becoming grey along outer margin and slightly along inner margin also.

Underside whitish, grey-speckled to outer line, which is followed by a broad pale band, beyond which the marginal area is dark, especially the quadrate apical blotch; cell-spots black.

Thorax and abdomen greyish; vertex and face pale ochreous.

Expanse of wings: 26 mm.

1 ♂ from Sapncay, Paragnay, September 1904 (Foster).

The fold on abdominal margin of hindwing is very restricted.

### 104. *Hammaptera obtusaria* spec. nov.

*Forewing*: suffused with olive fuscous, the pale ground-colour appearing only beyond outer line and in the edging lines of the basal area and central fascia; all the lines beginning as oblique dark spots on costa, the intervals reddish fuscous; basal patch small, limited by three dark lines edged by a pale one, wavy and

vertical; inner edge of central fascia from one-third of costa, oblique outwards and rounded in cell, then oblique inwards, waved throughout, approaching basal patch on inner margin, and edged by a pale line; the band between fuscous like the fascia; outer edge at two-thirds, bluntly rounded at veins 6 and 4, but not angled; the fascia dark fuscous, paler in centre and traversed by deeper lines, with a black linear cell-spot; pale band beyond fascia edged by a dark lunulate inwardly dentate line; marginal area fuscous tinged with reddish, the submarginal lunules pale-edged, and filled in with dark in lower half of wing; black marginal spots in pairs at the ends of the veins; fringe reddish fuscous.

*Hindwing*: cream-coloured, grey-tinged at base, with black dashes just above anal angle; black spots in pairs at the vein ends below middle, beyond which the fringe is blackish, becoming pale towards apex.

Underside of forewing dull fuscous, with black cell-spot, pale outer band, and submarginal row of white spots: hindwing whitish, speckled with grey, and with traces of curved lines.

Head, thorax, and abdomen reddish fuscous; the basal dorsal segments pink; the anal white, black tipped.

Expanse of wings: 38 mm.

1 ♂ from Huancabamba, Cerro de Pasco, Peru, 6400 ft. (Böttger).

The abdominal fold in hindwing is slight.

#### 105. *Opisogonia obtusa* spec. nov.

*Forewing*: luteous, suffused with pale brown; basal patch hardly darker than ground-colour, edged by a black line at one-sixth; central fascia limited by two brown bands, each containing three crinkled lines, the innermost of the first and outermost of the second blackest; the first is slightly antemedian, the second postmedian and outcurved at costa; below the middle these bands coalesce, forming annuli above inner margin; pale spaces before and after fascia with indistinct darker lines across them; submarginal ill-marked, the lunules followed by black wedge-shaped marks to margin; marginal line crenulate; fringe brownish.

*Hindwing*: dingy whitish, with a brown flush; a dark curved postmedian line, and traces of other lines along inner margin; fringe like wing.

Underside dull greyish ochreous, dusted with grey-brown; the outer lines and cell-spots marked.

Head, thorax, and abdomen like wings.

Expanse of wings: 42 mm.

1 ♂ from Huancabamba, Cerro de Pasco, Peru, 6000—10,000 ft. (Böttger).

The angle at vein 6 of hindwing is much blunter than in *herrichiana* Snell.

#### 106. *Orthonama densilineata* spec. nov.

*Forewing*: ochreous tinged with pale brown and crossed by grey lines placed so thickly as all but to hide the ground-colour; lines at base slightly curved, also the two inner lines of central fascia; the outer edge is formed by five straight grey lines, oblique and parallel to outer margin; the central area forms a grey triangle above median, containing the black cell-spot, and is narrowed to a line below middle: the third and fourth of these lines are generally darker than the others; the outermost is edged by a pale line of ground-colour, followed by a grey line dotted darker on the veins; marginal area grey-brown, traversed by a fine,

hardly waved, white submarginal line; a fine dark marginal line; fringe brown-grey, with base and apex paler.

*Hindwing*: with all the lines repeated, but obsolete towards costa, except the submarginal shades and lines; cell-spot distinct.

Underside thickly powdered with grey; cell-spots black; a broad pale submarginal band between two dark bands.

Head, thorax, and abdomen brownish grey.

Expanse of wings: 26 mm.

1 ♂ and 7 ♀♀ from Limbani, Carabaya, Peru, 9000 to 10,000 ft., February to May 1904; 1 ♂ from Oconeque, July, and 1 ♂ from R. Huacamayo, June of the same year (Ockenden).

In the ♂ the outer edge of central fascia is slightly outcurved at middle. The strongly ciliated, subserrate antennae distinguish the ♂♂ from *Coenocalpe*.

#### 107. *Perizoma camptogrammaria* spec. nov.

*Forewing*: ochreous grey, paler beyond central fascia; the markings darker grey in the ♀, dark fuscous in the ♂; the usual paler band between basal patch and central fascia of the same tint as the fascia, its edges curved, parallel and waved; central fascia twice as wide on costa as on inner margin, its outer edge wavy and nearly straight above median and with two prominent teeth below it, preceded in upper half by three dark crinkled lines, the lower portion with one line on each side; cell-spot large and dark; beyond the fascia a rather broad pale band, with a fine and a zigzag sandy-grey line, ending in a thin, dark, curved shade filling up the lunules of the submarginal line; veins pale, with dark edges towards margin; margin crenulate, with dark spots; fringe pale, with concise dark mottlings beyond veins.

*Hindwing*: with basal two-thirds darker grey than marginal third, edged by a darker band, preceded by a line beyond the small dark cell-spot; margin rather darker, with pairs of spots at the vein ends; fringe pale grey.

Underside like upper, but the dark markings much more decided.

Head, thorax, and abdomen grey, much darker in ♂.

Expanse of wings: ♂ 30 mm.; ♀ 35 mm.

2 ♂♂, 1 ♀ from Limbani, Carabaya, Peru, 9000 ft., February and March 1904 (Ockenden).

#### 108. *Perizoma interlauta* spec. nov.

*Forewing*: white, suffused with dull buff; a purplish fuscous basal patch with the edge concave outwardly, sometimes oblique, crossed by two or three darker lines; a slight brown spot on costa just beyond middle, and a short fuscous streak just before apex; on inner margin two slight brown marks, one at middle, the other near anal angle; cell-spot darker buff; the edges of the buff area are whitish; fringe buff.

*Hindwing*: dull cream-colour, with some dark markings on inner margin above anal angle.

Underside suffused with smoky brown, darker in forewing; hindwing with black cell-spot and submarginal curved row of dark vein-dots.

Head, thorax, abdomen, and palpi all dark fuscous, like basal patch.

Expanse of wings: ♂ 18 mm.; ♀ 19—23 mm.

1 ♀ from Oconque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden), type; 1 ♂, 1 ♀ from Santo Domingo, Carabaya, 6000 ft., November 1901, wet season (Ockenden).

Much resembling *P. basiplaga* Schaus from Mexico, for which I have previously mistaken it, but Mr. Schaus assures me that his species is different.

#### 109. *Perizoma strictifascia* spec. nov.

*Forewing*: ochreous; the shadings fuscous; these are the basal patch, the edge of which is rounded; the centre of the band between basal patch and central fascia, and the central fascia itself, which is twice as broad in cell as on costa and tapers off to a round spot below vein 1, where the lunate edges meet on inner margin; the pale lunulate-dentate dark-centred bands on each side of the fascia have their teeth pointing towards each other; the veins towards outer margin are broadly pale; at the apex is a pale ochreous triangular blotch, the apex of which reaches vein 5, edged inwardly on costa by a fuscous blotch, and outwardly by a fuscous blotch along outer margin; between veins 3 and 4 a white horizontal spot before margin; a row of dark marginal lunules between veins; fringe worn; cell-spot black, distinct.

*Hindwing*: whitish ochreous, with a dark cell-spot and traces of obscure grey bands.

Underside much duller: the forewing with the markings showing through; hindwing speckled with ochreous, with a dark cell-spot, dark waved postmedian line, and obscure submarginal shade.

Head and thorax fuscous, like markings of forewing; abdomen like hindwing.

Expanse of wings: 30 mm.

1 ♂, 1 ♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden).

The ♀ is darker, with the lines and veins flesh-pink.

#### 110. *Plemyriopsis facetata*.

*Phibalapteryx facetata* Guen., *Phal.* ii. p. 439 (1857).

*Erosia distincta* Wlk., xxiii. p. 844 (1861).

*Plemyriopsis distincta* Warr., *Nor. Zool.* ii. p. 118 (1895).

There can be no doubt that these two species are identical. The coloration is very variable; but I have lately seen a brown specimen answering exactly to Guenée's description; this typical form, however, seems to be of rarer occurrence than those more nearly resembling Walker's *distincta*.

#### 111. *Psaliodes catenifera* spec. nov.

*Forewing*: deep red-brown; basal patch narrow, edged by a very fine white line, which is acutely angled outwards on subcostal vein, then oblique inwards, forming lunules between the veins, concave outwards; inner edge of central fascia from two-fifths of costa to one-half of inner margin, white, forming lunules concave inwards; the space between the lunules above and below median vein filled up with blackish, the white edges widely divergent on costa and inner margin; outer edge of central fascia at two-thirds, angled outwards on vein 4, uniformly dentate-lunulate; the cell-spot dark; space beyond rather paler, containing

two wavy dentate obscure lines ; margin again deep brown before the deep brown fringe, which is tipped with whitish.

*Hindwing* : silky white, tinged with vinous towards outer margin ; marginal line dark vinous, projecting beyond veins into the whitish fringe.

Underside deep vinous ; costa and apex of forewing purplish fuscous speckled with pale ; the outer and submarginal lines marked on costa by yellow spots : hindwing with a zigzag yellowish submarginal line followed by two more obscure lines ; cell-spots black.

Head, thorax, and abdomen vinous brown, marked with black.

Expanse of wings : 25 mm.

1 ♂ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden).

112. *Psaliodes duplicilinea* spec. nov.

*Forewing* : brown ; crossed by inwardly oblique double white lines ; first close to base, slightly curved beneath costa, followed by a very fine, scarcely perceptible, whitish line ; second from two-fifths of costa to middle of inner margin, broad, but not so oblique as the first and third, preceded by a fine white line ; third at two-thirds, broad, followed by a fine line, from which at vein 5 a fine streak runs straight to apex, and another just below it runs out halfway to outer margin, and then to inner margin parallel to outer margin ; a pale, slightly crenulate, marginal line ; fringe brown, darker in basal half ; the brown is deepest along the edges of the lines, and in lower half of wing is slightly freckled with whitish scales.

*Hindwing* : dingy cream-colour, tinged with brownish along outer margin and fringe, and with a darker blotch at anal angle ; an obscure grey cell-spot and outer line.

Underside of forewing blurred lilac-grey, the costa, apex, and outer margin ochreous speckled with brown ; the lines cream-colour ; an oblique brown streak from apex : hindwing ochreous speckled with brown, with a brown cell-spot, curved central, and waved submarginal line.

Head and thorax dark brown ; abdomen paler brown, with whitish segmental rings.

Expanse of wings : 26 mm.

1 ♂ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden).

113. *Psaliodes exilis* spec. nov.

*Forewing* : white, with blackish grey lines and shading ; costa with minute black and white dots ; basal patch and central fascia edged with white lines traversed by a dark thread ; edge of basal patch and inner edge of fascia both curved ; outer edge at three-fifths of costa, roundly bent inwards above vein 4 and upcurved at end of cell, forming three outward curves below median, the lower half of fascia much narrower than the costal ; an ill-defined whitish submarginal line, followed by an equally ill-defined whitish patch on margin between 3 and 4 ; the marginal third powdered with white ; fringe white, chequered with black.

*Hindwing* : dull dark grey, with obscure dark cell-spot and flexuous outer line, followed by a whitish line, and a second line above anal angle only.

Underside paler, blurred and freckled with white ; both wings with a tawny

brown costal streak before apex reaching to vein 5; cell-spot of hindwing large and marked by brown scales.

Face and palpi fuscous; vertex, thorax, and base of abdomen white; patagia white, banded with fuscous; abdominal segments on dorsum dark grey; legs mottled black and white; antennae annulated black and white.

Expanse of wings: 18 mm.

1 ♂ from R. Huacamayo, Carabaya, Peru, 3100 ft., June 1904, dry season (Oekenden).

An unusually delicate insect for the genus.

#### 114. *Psaliodes nivestrota* spec. nov.

*Forewing*: brown, peppered all over with white, and crossed by three broad white lines, the edges of which are rather browner; the first curved, close to base; the second oblique, from two-fifths of costa to one-third of inner margin; the third at two-thirds, slightly outcurved and lunulate from vein 5 to 2, traversed towards its outer edge by a brown lunulate line; a darker streak, interrupted by the white lines, through cell and beyond, ending in a diffuse lunate-edged brown patch below apex, above which the beginning of a whitish submarginal line is seen; veins towards margin pale, dotted with brown; fringe (worn) brown and white.

*Hindwing*: dirty whitish, greyer along margin.

Underside of forewing grey, darker dotted towards costa, with a diffuse orange subcostal streak; hindwing whitish, striated with brown, with a dark cell-spot and sinuous postmedian line.

Head, thorax, and abdomen brown, speckled with white.

Expanse of wings: 26 mm.

1 ♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Oekenden).

#### 115. *Rhodomena alterata* spec. nov.

*Forewing*: like *R. grandimacula* Warr., pale yellow-green, with seven dark costal spots; first at base, second close beyond; from the third, which in *grandimacula* is small, a broad brown somewhat sinuous fascia runs to one-third of inner margin; from the fourth and fifth, which are large, two lines of dark vein-spots run, the outer excurved; the sixth and seventh, which in *grandimacula* are small, are both broad and extend to vein 6, where they are joined together; a slender upright brown blotch at anal angle; fringe green, spotted with brown.

*Hindwing*: dull grey, with a reddish tinge.

Underside dirty white and smeared with grey, especially in disc of forewing; the costal spots marked; hindwing with dark central line and cell-spot.

Head and thorax pale green; palpi shining blackish green; metathorax brown-black; abdomen ochreous grey.

Expanse of wings: 38 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

#### 116. *Rhodomena grandimacula* spec. nov.

*Forewing*: very pale yellow green, the costa with only six black spots, the apical one being absent, and the third very small; the fourth and fifth are large and subquadrate; submarginal line marked by a liver-coloured blotch on vein 5, and two smaller ones on each side of vein 2; an oblong black blotch

from base of vein 2 to inner margin, preceded by a spot on median and submedian veins; a small spot at base of veins 3 and 4; fringe pale green with deep brown-black spots beyond veins.

*Hindwing*: yellowish white; fringe white, with dark spots beyond veins.

Underside duller, pale green; forewing suffused with grey in basal two-thirds, except along costa, where the intervals between the black spots are pale green; outer third pale green with the submarginal spot and line hardly marked: hindwing pale green, with dark cell-spot and curved postmedian line, the submarginal line only partially visible.

Head, thorax, and abdomen pale green; face and vertex paler.

Expanse of wings: 40 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

#### 117. *Rhodomena parcinotata* spec. nov.

*Forewing*: dark grey-green, slightly darker freckled; costa with seven black marks, four before middle, three beyond; the first at base; the next three giving rise to three outwardly bent obscure lines, the middle one only marked distinctly on inner margin; from the sixth an interrupted subterminal line rises, marked from 6 to 4, and above inner margin; pairs of minute dark dots at the ends of veins; fringe pale green, flecked with darker beyond veins.

*Hindwing*: pale grey, rather darker along outer margin; fringe paler.

Underside dull greenish grey, paler, more purely green, at apex of forewing; costa with a black triangular mark before apex and a black blotch before it, from which a generally distinct outer and more obscure submarginal shade run across wing, and are repeated on hindwing.

Head and thorax concolorous with wings; abdomen rusty green; palpi, antennae, and metathoracic tuft dark metallic green; face below paler.

Expanse of wings; 40 mm.

2 ♂♂: one from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Oekenden) type; the other from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

#### 118. *Rhodomena purpurissa* spec. nov.

*Forewing*: pale olive-green along costa and outer margin; costa marked with seven oblique vinous purple blotches, representing bands, separated by similarly shaped green intervals, each traversed by more or less complete streaks of vinous scales; the first dark blotch at base, the second close beyond, the whole base narrowly green; the seventh small, apical, inwardly oblique; the sixth consisting of two elongated lunules continued nearer outer margin as a submarginal band of similarly shaped lunules; below vein 6 and in the lower half of cell the other dark blotches expand into a vinous purple area occupying the whole wing, the green interspaces reappearing along inner margin and as green dots along the median vein; pairs of fine black dashes at margin at the ends of the veins, which are themselves finely lined with black; fringe green, with vinous flecks beyond the veins.

*Hindwing*: silky white.

Underside pale glossy green, in forewing with a grey-green sheen in basal two-thirds; the costal area and marginal third paler; the third, fifth, sixth and seventh dark costal spots are marked, the fifth being continued as a dark

curved band across wing, and the sixth and seventh coalescing to form a triangle: hindwing with small dark cell-spot, wavy curved outer, and slight submarginal line.

Head, thorax, and abdomen pale green; the thorax and patagia spotted with purple; the dorsum purple-tinged; terminal segment of palpi dark metallic green.

Expanse of wings: 44 mm.

1 ♂ from Cnshi, Huáncoco, Peru, 1900 m. (Hoffmanns).

#### 119. *Rhodomena roseostriata* spec. nov.

*Forewing*: pale yellowish green, with a broad diffuse rosy stripe along each fold to submarginal line; costa marked with seven large velvety black blotches, of which the middle three project below the subcostal vein, forming parts of irregular black bands which are all interrupted across the cell: the first reappearing as an erect pointed blotch from inner margin at one-fourth, the second as a much larger blotch reaching middle of cell and constricted on submedian fold; the third and fourth as two finer streaks joined below vein 1, the inner long and nearly vertical, the outer bent outwards towards a triangular oblique blotch between veins 4 and 6; beyond this is a large blotch whose pointed upper end touches the apical spot; and from the anal angle rises an irregular black blotch reaching vein 3; marginal black dashes at the ends of all veins except vein 1; fringe yellow-green, with black chequering beyond the veins.

*Hindwing*: greyish white, with a slight pinkish tinge; a continuous black crenulated marginal line; fringe pale, with darker chequering beyond veins.

Underside of forewing blurred blackish grey, with the apex only green and showing the black costal blotches clear: hindwing blackish grey with black cell-spot and postmedian and submarginal bands, the latter interrupted.

Palpi externally black; face, thorax, and patagia pale green; abdomen greyish ochreous; two spots at top of face, one in centre of vertex, and the bases of shoulders and patagia black; legs all blackish, with pale joints.

Expanse of wings: 44 mm.

1 ♂ from Ocoque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

#### 120. *Rhopalista impuber* spec. nov.

This species, in appearance, is a facsimile of *Rh. undulosa* Warr. from Castro, Parana, Brazil; but in reality the hindwing of the ♂ above is simple, without the characteristic tuft of hairs in the submedian fold; on the underside there is a fringe of hairs along the submedian fold. A more important point of separation is the abnormal neurulation in the ♂ hindwing: the radial rises below the middle of discocellular, and veins 2, 3, 4 rise close together from near end of cell and are shortly curved downwards to the truncate outer margin.

Expanse of wings: ♂ 40 mm.; ♀ 34—36 mm.

4 ♂♂, 2 ♀♀ from Cnshi, Huáncoco, Peru, 1900 m. (Hoffmanns).

The ♀ has a dark grey submarginal band on the underside of hindwing which shows through above.

#### *Trotocalpe* gen. nov.

*Forewing*: costa arched at base and slightly shouldered at one-fourth, then straight, shortly depressed at apex, which is bluntly rounded; outer margin bluntly



toothed at vein 4, concave above and strongly oblique below, the anal angle scarcely marked; inner margin convex.

*Hindwing*: with both angles rounded; outer margin faintly elbowed at vein 4.

Antennae lamellate, simple; palpi porrect, long, decumbent; tongue and frenulum present.

Neuration as in *Perizoma*.

Type: *Trotocalpe albilunata* spec. nov.

Allied to *Plemyropsis*, *Rhinura*, and *Urocalpe*; differing from the two first in the hindwing, from the last in the forewing.

. 121. ***Trotocalpe albilunata*** spec. nov.

*Forewing*: dark lilac-grey with darker, browner, grey markings; basal patch crossed by two pale curved lines and edged by a third which is insinuate between median and submedian veins; at middle of wing a dark fascia, slightly bent inwards below median, edged on each side by a dark line, sometimes with the appearance of two lines; submarginal line biconcave, the elbow in the middle on vein 4 pointing outwards; preceded by a very regularly dentate-lunulate line, the teeth of which point basewards; a dark marginal line; fringe pale grey; all the pale lines marked on costa by a whitish dot.

*Hindwing*: dark grey, without markings; cell-spot and marginal line dark; fringe pale.

Underside shining purplish brown, the inner marginal area blurred, the markings distinct only towards costa, which is marked by white spots; a white crescent towards outer margin, bisected by vein 6; some pale lustrous scales before the dark marginal line: hindwing frosted with whitish scales, with dark median, postmedian, and submarginal lines; cell-spot with a whitish ring.

Head, thorax, and abdomen grey; palpi and thorax darker.

Expanse of wings: 22 mm.

3 ♂♂ from Huancabamba, Cerro de Paseo, Peru, 6400 ft. (Böttger).

SUBFAMILY ASTHENINAE.

122. ***Cambogia basaliata*** spec. nov.

*Forewing*: deep yellow, crossed by irregular reddish brown lines; basal patch small, brown-black; lines forming outer band of central fascia dentate-lunulate, the lunules marked with black-brown, those of the outermost line elongated and blacker, projecting on veins 6 and 4 and insinuate between, the space between 3 and 4 filled up with black; the two submarginal shades swollen into blackish brown patches at apex and beyond cell, and less prominently at anal angle; cell-spot large, black; brown marginal dashes at end of veins; fringe yellow.

*Hindwing*: without the basal dark blotch; cell-spot large and black; the rest as in forewing, but the submarginal dark markings less developed.

Underside like upper, but duller throughout.

Head, thorax, and abdomen deep yellow; face brownish yellow; basal half of patagia and second segment of dorsum black-brown; legs dull yellow.

Expanse of wings: 30 mm.

1 ♀ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

123. *Cambogia cinerascens* spec. nov.

*♂. Forewing*: ash grey; the lines generally indistinct; inner at one-third, outer at two-thirds, oblique outwards from costa, bent below subcostal vein, then oblique inwards parallel to outer margin, with a median line between them, all wavy; the outer is followed by a waved yellow line; the space between median and outer lines sometimes darker grey, with an additional line in the middle, all three blackish and lunulate between the veins; the two lunules above and below vein 6 of the outer line often black, with a blackish oblique streak from them into apex; marginal area with traces of two or three lunulate oblique lines; the space between 3 and 4 ash grey, the area above and below it pinkish; a black cell-spot; marginal black dots before fringe, which is glossy pinkish grey with pale base.

*Hindwing*: with the yellow line central; the basal area dark grey, its outer half darker and edged with dark lines; postmedian and submarginal dark lunulate lines; the marginal area darker grey; the whole outer half of wing slightly pinkish-tinged.

Underside duller; the lines all marked; basal areas up to outer lines grey, beyond paler and pinkish.

Face brown; fillet whitish; vertex, thorax, and abdomen grey; the abdomen paler, but the basal and middle segments much darker.

♀ with the ground-colour yellowish, the grey areas of the ♂ less strongly marked; the lines more numerous and clearer; the paler areas suffused in parts with pinkish and ochraceous.

Expanse of wings: ♂ 30 mm.; ♀ 30—34 mm.

2 ♂♂, 1 ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden) type; and 1 ♀ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

This last ♀ is smaller, yellower, and less strongly marked.

124. *Cambogia ciocolatina* spec. nov.

*Forewing*: chocolate-brown; costa with some slight oblique yellowish streaks; the wing crossed by some darker brown lines, of which two limiting a central fascia containing a dark cell-spot are slightly plainer; submarginal line formed of sulphur-coloured striae and speckles, swollen into a round yellow blotch between veins 4 and 6 and a narrower oblong one between 1 and 2; a dark marginal line; fringe yellow and brown.

*Hindwing*: with the brown more broken up by sulphur-coloured striae, the submarginal line developed into a broad bent fascia; two or three darker lines near base before the black cell-spot; fringe mottled yellow and brown.

Underside with all the colours paler and blurred.

Head, thorax, abdomen, and antennae brown; vertex, abdomen beneath, and legs pale sulphur-colour.

Expanse of wings: 23 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

*Hindwing* with outer margin crenulate, the sinns beyond cell deeper, the tooth at vein 4 slightly prominent.

125. *Cambogia condensata* spec. nov.

*Forewing* : like *C. lilacina* Warr., but the lilac-grey diffusion more grey and less lilac, more broken up into broad waved lines, showing the deep yellow ground-colour between, the central fascia below the middle becoming velvety black, the edges of the fascia and basal patch marked with dull lustrous scales; marginal area yellow, with three distinct waved orange lines; fringe yellow; cell-spot black.

*Hindwing* : wholly yellow; the base with three or four orange waved lines, not lilac-grey as in *lilacina*.

Underside like upper; the forewing, except marginal area, dull purplish rosy.

Face, vertex, and thorax brownish yellow; abdomen yellow with the dorsum dull orange; fillet and antennae snow-white.

Expanse of wings : 26 mm.

1 ♂ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden).

126. *Cambogia contraversa* spec. nov.

*Forewing* : yellowish straw-colour, slightly freckled with brown; the lines chocolate-brown; three outwardly oblique slightly curved lines before middle, the first close to base, the third from one-third of costa to middle of inner margin, the middle one from costa halfway between the other two, but approaching third on inner margin; the intervals with less marked brown lines, the middle one forked; beyond the cell-spot three outwardly curved brown lines, all uniting on inner margin with the third antemedian line; the inner two narrow and well curved, the outer line thick and angled on vein 4, thence oblique and straight; three submarginal lines of wedge-shaped marks between veins; the veins slightly brown, especially vein 4; a distinct brown marginal line; fringe yellow, finely dark beyond veins, more thickly beyond vein 4.

*Hindwing* : with three thick brown antemedian lines, the two inner straight and almost conjoined, the outer angled on vein 4; three brown lines at base before the brown cell-spot; the other lines as in forewing.

Underside paler, with cell-spots and outer lines well marked, the others more obscure.

Face, shoulders, and base of patagia brown; palpi yellow with terminal segment brown; fillet and antennae white; vertex, thorax, and abdomen brownish yellow, the basal and 5th and 6th segments ringed with brown.

Expanse of wings : 26 mm.

1 ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

Forewing with outer margin elbowed at vein 4 and concave above; hindwing toothed at 4.

127. *Cambogia haematodes* spec. nov.

*Forewing* : bright blood-red, with a curved pale yellow band at one-third, a narrower, more undulated and partially interrupted dentate-lunulate band at two-thirds, and a still slighter submarginal line of the same colour; in the red basal area are a few yellow scratches; the submedian fold yellow, but interrupted in middle between the two bands; the submarginal yellow line throws out on each side lateral yellow streaks between the veins; costal area deeper yellow, the

intervals purple ; the central area with some purple scales below middle ; fringe pale yellow.

*Hindwing* : with a central waved pale yellow band, and some slender yellow streaks before margin ; fringe yellow, tinged with red beyond middle tooth.

Underside with all the tints paler.

Face purple ; fillet, collar, and antennae yellowish ; vertex, shoulders, patagia, thorax, and dorsum blood-red ; abdomen beneath and legs yellow ; forelegs red in front.

Expanse of wings : 26 mm.

1 ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden).

Outer margin of hindwing deeply crenulate, the teeth at veins 4 and 6 somewhat more prominent than the rest.

#### 128. *Cambogia imitata* spec. nov.

*Forewing* : pale yellow, crossed by numerous brownish lunulate-dentate lines ; a dull broad grey-brown subcostal stripe, almost reaching costa beyond two-thirds, and a brown stripe along vein 4 to margin ; the cell-spot, the three outer lines of central fascia, and the marginal line dark brown ; the outer edge of fascia is bluntly angled on veins 6 and 4, then oblique inwards ; five antemedian brownish lines, bent above middle, then oblique inwards ; the inner line of central fascia below middle forms annuli with the inner of the three outer lines ; all the veins brownish ; the outer lines diffusely marked ; fringe yellow, spotted with brownish beyond veins.

*Hindwing* : paler, especially along costa ; before middle a straight band of three dark brown slightly waved lines beyond the black cell-spot, which is preceded by three or four curved brownish lines at base ; outer half as in forewing, but without dark stripes to margin.

Underside duller yellow, with the brown markings all likewise duller.

Head, thorax, and dorsum dark brown ; vertex yellowish brown ; palpi brown ; antennae distinctly annulated brown and white ; abdomen below and legs yellow.

Expanse of wings : 28 mm.

1 ♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Oekenden).

Outer margins crenulate ; hindwing bluntly toothed at middle.

#### 129. *Cambogia inconspicua* spec. nov.

*Forewing* : fawn-colour, grey-speckled ; costa mottled dark and pale ochreous ; lines slightly darker, but very inconspicuous ; a pair near base, curved in cell before the black cell-spot ; an outer and a submarginal line, indistinctly lunulate-dentate, parallel to outer margin ; black marginal dots between veins ; fringe concolorous.

*Hindwing* : with a black cell-spot, a minutely waved median, and two or three submarginal lines.

Underside rather paler, with all the lines indistinctly expressed.

Thorax and abdomen fawn-colour ; face and vertex ferruginous.

Expanse of wings : 22 mm.

1 ♂ from Dominica, West Indies (E. A. Agar).

130. *Cambogia lavendula* spec. nov.

*Forewing*: pale lilac-grey; costa marked with contiguous brownish-black spots, indicating the origin of the lines, which are all more or less interrupted along the subcostal area: two antemedian sinuous brown lines, with traces of lines of grey striae between them; cell-spot brown, minute; an outer fascia of three dark-brown crinkled lines, of which the outermost is brownest and angled outwards on vein 4; a submarginal flexuous line, and a large brown blotch on margin between veins 3 and 4; black spots between veins along outer margin united by a fine marginal line; fringe vinous.

*Hindwing*: with all the lines marked, but more obscurely; the whole wing, except towards costa, dusted with brownish grey; cell-spot black.

Underside of forewing and costa of hindwing suffused with vinous grey, which is deepened towards costa of forewing; all the lines partially marked; cell-spots black.

Head, shoulders, and prothorax dark brown-black; thorax, patagia, and basal segment of abdomen lilac-grey; rest of dorsum suffused with vinous.

Expanse of wings: 28 mm.

1 ♂ from R. Huacamayo, Carabaya, Peru, 3100 ft., June 1904, dry season (Oekenden) type; 1 ♂ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Oekenden).

Forewing with apex produced, acute; outer margin oblique, as long as inner margin; hindwing toothed at vein 4.

131. *Cambogia lucivittata* spec. nov.

*Forewing*: pale yellow, crossed by three pairs of fine sinuous silvery lines; in the median pair the space between veins 3 and 4 is marked with some brown scales; a short silvery line before apex; a series of fine marginal purple dashes at the ends of the veins; fringe yellow.

*Hindwing*: with the basal pair of lines absent, but with a red basal spot.

Underside of forewing with costal half rosy, emitting three rosy streaks beyond middle parallel to outer margin and nearly reaching inner margin; hindwing with three fine red lines in outer half.

Face pale olive-brown; fillet white; vertex, thorax, and abdomen yellow; antennal shaft white dotted with red on each segment.

Expanse of wings: 22 mm. and 26 mm.

1 ♂ from Huancabamba, Cerro de Pasco, Peru, 6400 ft., (Boettger) (type); 1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3,100 ft., March 1905, wet season (Oekenden).

In the smaller example from La Oroya the yellow is rather deeper, the silvery lines are purplish tinged, and each dorsal segment of abdomen is banded with purplish.

Near *C. argentifilata* Feld., but with fewer lines.

132. *Cambogia mediostrigata* spec. nov.

*Forewing*: grey freckled with reddish brown; the lines thick, reddish brown; two, obscure, close to base; an antemedian at one-third, bluntly bent in cell just before the large black cell-spot, then vertical and outwardly concave; from costa above cell-spot an oblique outwardly convex line to vein 4, thence incurved and

vertical to about middle of inner margin, followed by a similar line, which, however, in its upper half is convex inwardly; two submarginal lines, the inner straight, the outer curved, to vein 4, then incurved parallel to the postmedian lines, the outer very obscure, being crowded out; a dark marginal line, swollen into spots between veins; fringe grey-brown, with the base ochreous; costal edge with pale dots; a horizontal, slightly curved, blackish streak from base running along cell above median vein and between 3 and 4 to outer margin.

*Hindwing*: with four lines, all parallel and bluntly angled outwards, the first on the median vein, the other three between 3 and 4; the last is very obscure: a black cell-spot on the first.

Underside rufous ochreous, less rufous in hindwing; all the lines marked.

Head, thorax, and abdomen concolorous with wings; the dark streak of forewings is continued across the middle of patagia and thorax.

Expanse of wings: 22 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

### 133. *Cambogia nigriceps* spec. nov.

*Forewing*: wood-brown; the lines dark grey, all swollen laterally on costa into blackish coalescent blotches, so that the costal area appears dark; between veins 3 and 4 the outer line and submarginal shades are swollen into black blotches and continued interruptedly dark to inner margin and anal angle; two slight lines close to base and an antemedian, bracket-shaped one at one-fourth; beyond the black cell-spot two lines forming the outer band of central fascia run, oblique outwards from costa to vein 6, vertical to below 4, then waved inwards, both more or less blackened; two submarginal lines, also oblique outwards to vein 7, then in the main parallel to the outer lines; black marginal dots between veins united by a very fine black festooned line; fringe wood-brown, slightly dark-checkered towards anal angle.

*Hindwing*: pale fawn-colour speckled with dark grey; cell-spot black on a slight antemedian line; a broad blackish central shade, outwardly lunate-edged; two submarginal blackish shades; all the markings stronger along inner margin; marginal dots, line, and fringe as in forewing.

Underside reddish fawn, with all the markings blackish and distinct.

Head and shoulders black; collar, thorax, and legs fawn colour; abdomen missing; antennae above ringed black and white, below pubescent.

Expanse of wings: 30 mm.

1 ♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden).

Hindwing with outer margin erenulate, slightly toothed at 4.

### 134. *Cambogia nigrinotata* spec. nov.

*Forewing*: pale yellow; the veins and finer lines marked by orange-red scales; costal streak broadly smoky black, the costal edge with small yellow dots; space between veins 3 and 4 also smoky black; a thick straight blackish line near base, preceded by one and followed by two waved orange-red lines; cell-spot black and large; postmedian band consisting of three lines of blackish lunules, the outer two coalescing to form horseshoe-shaped blotches separated from the inner line by a pale space; outer band formed of red lunules separated by a yellow line from a row of black lunules, followed by a row of broad yellow lunules, ending in smaller

red ones ; fringe yellow, with dark spots at base beyond veins, and black-mottled beyond 3 and 4.

*Hindwing* : with the markings less distinct ; space between 3 and 4 blackish, but not the costa.

Underside straw-colour, with the markings expressed ; the black of upperside becoming fuscous ; cell-spots black and distinct.

Face brown ; fillet and base of antennae white ; vertex and collar deep ferruginous ; shoulders and base of patagia black-brown ; tips of patagia, thorax, and abdomen yellow varied with orange ; third segment of dorsum brown-black.

Expanse of wings : 26 mm.

2 ♂♂ from Oconque, Carabaya, Pern, 7000 ft., July 1904, dry season (Ockenden).

### 135. *Cambogia pallidicosta* spec. nov.

*Forewing* : red-brown ; costal streak creamy grey, broadening beyond middle, with fine dark speckles ; cell-spot black, distinct ; before it a whitish line, vertical and concave outwards ; beyond it a white line runs obliquely outwards to vein 4, and then is incurved, reaching inner margin vertically at two-thirds ; fringe deep red-brown, with a fine yellow basal line and whitish apices.

*Hindwing* : paler towards base and along costa ; cell-spot black, followed by a wavy whitish central line, inwardly marked with fuscous scales ; some obscure darker striae.

Underside redder, less brown ; the outer line well shown in both wings.

Face, thorax, and abdomen red ; vertex and shoulders creamy grey.

Expanse of wings : 26 mm.

1 ♂ from Cushi, Province Huánuco, Pern, 1900 m. (Hoffmanns).

### 136. *Cambogia percisa* spec. nov.

*Forewing* : pale yellow, with lilac-grey wavy cross-lines parallel to the oblique outer margin ; in the basal half of wing and including the central fascia these lines are thickened and confluent, obscuring the ground-colour except on costa ; the edge of the fascia is angled on vein 6, then straight and oblique to inner margin ; cell-spot large and black, with some pale scales round it ; space between veins 3 and 4 lilac-grey, and the costa beyond two-thirds, but not reaching apex ; fringe yellowish, beyond a fine grey marginal line.

*Hindwing* : like forewing, but only the basal third grey, containing a large black cell-spot ; a pale yellow band beyond it, which is visible, but less prominent, in forewing also.

Underside like upper, but altogether paler.

Face and thorax lilac-grey ; vertex and antennae yellow ; abdomen yellow, ringed with grey on dorsum.

Expanse of wings : 21 mm.

1 ♂ from Oconque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

### 137. *Cambogia perstrigata* spec. nov.

*Forewing* : pale lilac-grey along costa, pale brick-red below, with fine dark speckling ; lines dark brown ; two basal and an antemedian line just as in *A. mediostrigata* ; the three beyond middle are all outcurved from costa and partially sinuous

to vein 4, then incurved and slightly lunate between veins; the fourth line, that before margin, is hardly visible; an obliquely edged brown subapical shade; cell-spot black; marginal line black, swollen between veins; fringe dark brown, with pale base, and chequered with pale in outer half; a blackish curved streak from base along cell and between veins 3 and 4 to outer margin.

*Hindwing*: wholly brick-red, with the four lines as in *A. mediostrigata*.

Underside dull rufous ochreous, much speckled with grey; all the lines brown.

Head, thorax, and abdomen like wings; the black streak continued across middle of thorax and patagia.

Expanse of wings: 26 mm.

1 ♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Oekenden).

Whether this can be the ♀ of *mediostrigata* must be left for the present.

### 138. *Cambogia planetaria* spec. nov.

*Forewing*: reddish fawn-colour, crossed from base to margin by series of round white dots on the veins, representing the transverse lines; as in *C. stellataria*, described below, the double spots on the folds in the course of the outer line are large and conspicuous, those of the submarginal line also being somewhat larger; a row of white marginal spots: cell-spot white; fringe worn, probably mottled red and white.

*Hindwing*: similar: the basal area not spotted; the spots towards margin all larger.

Underside of forewing blurred reddish, with whitish dusting; of hindwing whitish with red lines.

Head, thorax, and abdomen reddish fawn; fillet white; dorsum spotted with white.

Expanse of wings: 27 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

### 139. *Cambogia stellataria* spec. nov.

*Forewing*: dull chocolate brown; the costa and all the veins covered from base to margin by uniform pale yellow dots, representing a succession of pale lines; among these two larger double spots on the two folds in the series representing outer line are conspicuous, while those of the inner submarginal series are lunulate in shape and slightly larger; cell-spot blackish; fringe pale yellow, strongly mottled with brown beyond veins.

*Hindwing*: similar, but without prominent yellow spots; the basal half only speckled with pale.

Underside duller; the outer line pale and almost uninterrupted; basal area before it and apical region without spots; marginal area with alternate waved reddish and pale lines; hindwing pale yellow, traversed by reddish lines; cell-spots marked.

Head, thorax, and dorsum red; fillet pale yellow; anal segment of abdomen and underside pale yellow; antennae annulated red and yellow.

Expanse of wings: 24 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).



140. *Cambogia vinosata* spec. nov.

*Forewing*: bright yellow; basal area crossed by four or five sinuous vinous lines, the outermost containing the large vinous black cell-spot; following a band of clear yellow, the outer half of wing is suffused with deep vinous, shading into black internally and along the inner edge and between veins 3 and 4 to margin; the outer margin is yellow, with a row of vinous marginal spots, preceded by two thick vinous lunulate lines, before which in the submedian interval is a pure yellow blotch; the costal edge is also marked with three yellow spots; fringe yellow, vinous black at middle and apex.

*Hindwing*: with the base yellow, a spot on inner margin and the cell-spot vinous; the vinous blotch of forewing is here restricted to a blotch from inner margin to median, continued between 3 and 4 to outer margin; the yellow marginal area traversed by two thick waved vinous lines; the rest as in forewing.

Underside the same, but the vinous tints all dull; the cell-spots black.

Head, thorax, and abdomen vinous; palpi, vertex, and collar yellow; the vertex with a vinous spot in centre; abdomen beneath and legs pale yellow.

Expanse of wings: 22 mm.

1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., October 1904, wet season (Ockenden).

## SUBFAMILY EUCESTIINAE.

141. *Callipia balteata* ab. *confluens* nov.

Differs from the type-form of *balteata* Warr. in the greater extent of the red coloration of forewing. The thick central black band is widely interrupted in middle, so that there remains of it only a rounded blotch above middle and an oblique triangular mark on inner margin; the red suffusion starts broadly from base, nearly touches inner margin, and runs up to subcostal vein on each side of the two black blotches, being bounded outwardly by a curve, whereas in the type-form the outer red line is straight. The yellow mottlings of the fringe run through to the tips, and are not restricted to the base. Beneath the same extent of red is shown, and the yellow striae and fine pale veins are strongly marked.

Expanse of wings: 65 mm.

1 ♂ from Agualani, Carabaya, Peru, 9000 ft., March 1905, wet season (Ockenden).

Perhaps this redder form prevails at the higher altitudes; the darker type-form was taken at 6500 ft.

142. *Callipia fulvida* spec. nov.

Closely allied to *C. flagrans* Warr., from which it may be distinguished by the following points: the ground colour is fulvous instead of orange-red; the inner edge of the black marginal border runs, slightly diverging from outer margin, to the subcostal streak, where it is preceded at the upper end of discocellular by a small black blotch; the veins end in pale spots only, not in streaks. In the hindwing the fringe of inner margin is black. On the underside the pale marginal patches in both wings are narrower; and the central band of hindwing is narrower and paler.

Expanse of wings: 65 mm.

2 ♂♂ from Agualani, Carabaya, Peru, 9000 ft., March 1905, wet season (Ockenden).

143. *Cophocerotis cinerea* spec. nov.

*Forewing*: dull ashy grey; costal area broadly pale, with blackish striae; a paler space, without striae along the second fifth, edged by a thick black mark at each end, and with a double black fleck at middle; a smaller pale patch at nearly three-fourths, edged inwardly by darker scales, from which a pale curved line rises that can be just traced across wing; fringe pale grey, with darker line along middle and at the tips; a faint dark cell-spot.

*Hindwing*: with a pale postmedian line strongly outcurved in middle, followed by a finer pale submarginal line; a dark cell-spot; fringe pale, spotted with grey beyond veins.

Underside of forewing dark grey; the costa pale ochreous, with black striae; a triangular patch of brown striae running to a point at apex; from its inner edge the limit of the dark grey area runs straight to anal angle, leaving the margin pale grey, like the whole hindwing, which is striated with blackish, most thickly along inner margin; a blackish bent middle line; fringe of both wings pale grey with dark spots in the basal half beyond the veins.

Head, thorax, and abdomen pale grey; centre of patagia darker.

Expanse of wings: 40 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden).

144. *Eudule oekendeni* spec. nov.

*Forewing*: deep coppery red; the markings black; these are two irregular fasciae, a large apical and small anal patch, a narrow marginal line, and the fringe; the basal fascia consists of a triangular blotch above median and an elongated diamond-shaped blotch between median and submedian veins, which remain red; the central fascia consists of a quadrate blotch above median vein and a wide flattened one below, into which the basal blotch runs on the fold; the inner margin below submedian vein is black throughout; the apical blotch has a curved inner edge, and is sharply cut off above vein 4, followed by a small black spot below it.

*Hindwing*: wholly black.

Underside like upper.

Head, thorax, body, and legs all black.

Expanse of wings: 22 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden).

Costa of forewing sinuous, arched at base and insinuate before apex.

Near *E. phaxaria* Staud. (*Polyomma*).

## SUBFAMILY TRICHOPTERYGINAE.

145. *Dyspteris aequivirgata* spec. nov.

*Forewing*: pure white; the markings dark green; a broad green costal stripe from base to apex, leaving the costal edge diffusely whitish, more broadly just beyond middle; four dark green transverse oblique streaks from inner margin, all fairly broad and with well-defined margins; first, nearly straight, from one-fourth of inner margin to lower edge of costal streak at one-third; second, broadest of all, curved from middle of inner margin to costal streak before apex; third from three-fourths of inner margin, curved nearly parallel to second, ending in a point on

vein 7; fourth submarginal, slightly waved, also ending on vein 7, so that the white band between second and third green streak runs with a uniform curve to apex; fringe (worn) white.

*Hindwing*: with base green, and two short broad green bands not reaching costa; fringe white.

Underside with the costal stripe of forewing diffusely edged below; first streak absent; second obsolete below 2, much thickened above, and produced into a biangulate projection on veins 3 and 4; third and fourth diffuse and interrupted; hindwing with base and a narrow band before middle green.

Head, shoulders, patagia, and the front half of each dorsal segment green; thorax and rest of abdomen white; abdomen below and hindlegs white; fore and middle tarsi dark green.

Expanse of wings: 36 mm.

1 ♂ from R. Huacamayo, Carabaya, Peru, 3,100 ft., June 1904, dry season (Oekenden).

A neater insect than *amata* Cram.; the outer margin of forewing more curved and shorter, so that the wing is narrower. The markings are deeper green and better defined, and the white purer.

#### 146. *Dyspteris extremata* spec. nov.

*Forewing*: white; markings blue-green; a broad costal stripe, somewhat diffusely edged below, leaving the basal half of costal edge whitish; four oblique green streaks from inner margin: first at one-fourth, narrowing upwards to costal stripe at two-fifths; second from middle, oblique and slightly sinuous to a projection from lower edge of costal stripe at two-thirds; third from two-thirds, very broad at origin, ending in a point at vein 7, where it coalesces with the fourth, which starts narrow from anal angle and thickens upwards; green marginal lunules, above middle absorbed in outer streak; fringe white below middle, green above.

*Hindwing*: with base and three narrow bands green, the outermost curved above to costa.

Underside with costal stripe of forewing broad and well defined, cut by a white line at two-thirds, which is edged with green spots between veins, and continued as a green interrupted line to middle of inner margin; a large green blotch beyond middle on vein 2, and another close to margin from 4 to 7; marginal lunules distinct, and above the middle enlarged; hindwing with a slight green line before middle; the markings all deep green.

Head, shoulders, and patagia green; thorax, tips of patagia, and abdomen white; the last with green belts; abdomen beneath white; fore and mid tarsi green.

Expanse of wings: 40 mm.

1 ♀ from Obydos, Amazons, October, November 1904 (de Mathau).

The antennae of this ♀ are as strongly pectinated as in the ♂.

Differs in having the third streak the broadest, not the second.

#### 147. *Dyspteris subcoerulea* spec. nov.

*Forewing*: bluish green; a small whitish cell-spot; a faint whitish line from two-thirds of inner margin running parallel to outer margin, but scarcely perceptible except at its rise; costa with four or five brown dashes before apex; a purple-brown marginal line; fringe whitish, with purple-brown spots beyond the veins.

*Hindwing*: with fairly distinct straight white line beyond middle, and a faint pale cell-spot; fringe and margin as in forewing.

Underside bright blue-green; the markings as above.

Head, thorax, abdomen, and legs blue-green; antennae ochreous, bronzy green above.

Expanse of wings: 25 mm.

1 ♀ from Obydos, Amazons, October, November 1904 (de Mathan).

Antennae lamellate, subserrate, finely pubescent; palpi long, decumbent.

#### 148. *Rhopalodes derufata* spec. nov.

*Forewing*: whitish; the lines and bands all pale olive-green; only the central fascia finely dusted with black scales, especially along cell and submedian fold; the cell-spot black and distinct; in the marginal area beyond the distinct pale submarginal line are two blackish spots, one between veins 6 and 7, the other between 4 and 5; the marginal spots, which are black above middle, become olive-green below; the pale band preceding central fascia projects angularly into it on the two folds, the angles being marked with black; similarly, on the outer edge the pale band is sharply indented basewards beyond cell.

*Hindwing*: cream-colour, tinged with greyish olive.

Underside olive-grey, the outer line and cell-spot dark.

Head and thorax olive-green; abdomen like hindwings; palpi externally blackish.

Expanse of wings: 36 mm.

1 ♂ from Sapucay, Paraguay, December 1902 (Foster).

This is like *Rh. variegata* Warr. from Brazil, but differs in being entirely without red scaling.

#### SUBFAMILY TEPHROCLYSTHINAE.

#### 149. *Eucymatoge biumbrata* spec. nov.

*Forewing*: pale slaty grey, crossed by many fine dark lines, all angled below subcostal vein, then inwardly oblique and parallel, slightly dotted with darker on the veins; the interval between the two containing the black cell-spot is filled up with rather darker grey as far as vein 1, tinged beneath the cell-spot with brown; and the line preceding the submarginal is thickened and blackened from vein 6 to 2; submarginal line indicated by darker white-tipped spots, the outer margin generally being clouded with darker grey; marginal line very fine; fringe pale grey chequered with darker.

*Hindwing*: with alternate dark and light wavy grey lines, plainer towards inner margin.

Underside dark grey, slightly paler in hindwing; all the lines uniformly dark, and towards outer margin dotted on veins.

Head, thorax, and abdomen pale grey; palpi dark grey; dorsum, except at base, distinctly brown-tinged.

Expanse of wings: 26 mm.

1 ♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden)  
type: 1 ♂ from Huancabamba, Cerro de Pasco, Peru, 6400 ft. (Böttger).

The description was made from the Limbani ♀, the ♂ being a much wasted specimen; the two oblique parallel blackish shades in outer half of wing will always distinguish it; outer margin of hindwing truncate from 3 to anal angle.

150. *Eucymatoge brunneodorsata* spec. nov.

*Forewing*: chalk-grey, with a slight greenish tinge; the lines indistinct, except along costa and inner margin; costa with five black spots, the fourth much the largest; from the third the inner edge of central fascia, slightly outcurved in middle, runs to inner margin, from the fourth its outer edge, which is strongly outcurved from 6 to 2; two or three curved lines in the fascia, and those marking basal patch and the interval beyond can be faintly traced; the fascia is followed by a pale band with grey centre; submarginal line pale, preceded and followed by olive shading at costa, beyond cell, and at anal angle, where the shades are large and brown; fringe pale with olive mottling.

*Hindwing*: with a line near base, a broad middle shade, with a thin line on each side of it, a broad postmedian and marginal shade pale green; the first three dark brown-black below median vein; marginal line dark, interrupted; fringe as in forewing.

Underside of forewing dark greenish grey with obscure markings; of hindwing whitish, with the five bands clear.

Head black; thorax and base of abdomen like wings; rest of abdomen red-brown.

Expanse of wings: 22 mm.

1 ♀ from Limbani, Carabaya, Pern, 9500 ft., May 1904, dry season (Oekenden).

151. *Eucymatoge costirufaria* spec. nov.

*Forewing*: dark grey; the costa broadly, the median vein and its branches, and the praesubmarginal shade dull red-brown; a dark line twice angled close to base; two lines angled outwards in cell before the large black cell-spot, three slightly waved beyond the spot, before a thick black outer line which is angled on vein 6, and followed by a pale band with a grey central line; submarginal line white, regularly zigzag; the ground-colour between the lines along both folds is whitish; marginal line fine; fringe grey with darker chequering.

*Hindwing*: grey; the inner margin with the commencement of lines which are red-brown.

Underside dark grey, with all the lines well marked.

Head, thorax, and abdomen grey with a rufous tinge; the dorsum red-brown; palpi dark brown, very long.

Expanse of wings: 26 mm.

1 ♂ from Limbani, Carabaya, Pern, 9500 ft., May 1904, dry season (Oekenden) type; 1 ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden).

152. *Tephroclystia albicarnea* spec. nov.

*Forewing*: white, overspread with dull greyish flesh-colour, the costal half of central fascia alone remaining white; costa with two black spots close to base, indicating the lines of basal patch; a longer dark blotch beyond, giving rise to the darker centre of the band before central fascia, the dark limiting lines of which

start from black triangles at two-fifths and three-fifths of costa; the inner edge straight and oblique, the outer outbent between veins 6 and 2; the fascia below median greyish flesh-colour, above it white with a black cell-spot; marginal area greyish flesh-colour, with traces of a paler submarginal line, preceded and followed in places by dark clouds, especially towards anal angle; a dark marginal line; fringe (worn) greyish flesh-colour.

*Hindwing*: white, with indications of black waved lines; two across middle more conspicuous; a grey blotch on inner margin near base; marginal line black, crenulated.

Underside of forewing dull dark grey with a rufous tinge; of hindwing white; the lines and cell-spots darker in both.

Head, thorax, and abdomen white; two black spots on lower part of face; base of shoulders and patagia, centre of metathorax, and the middle segments of dorsum black; underneath dull grey; tarsi mottled dark and light grey.

Expanse of wings: 24 mm.

1 ♂ from Cushi, Huáncoco, Peru, 1900 m. (Hoffmanns).

Hindwing with inner margin short; outer margin bent at vein 3.

### 153. *Tephroclystia albifusca* spec. nov.

*Forewing*: white; the shadings fuscous, varied in parts with reddish brown; costa with five dark brown blotches; two at base indicating basal blotch and centre of the following interval; two at two-fifths and three-fifths, from which spring the edges of the central fascia, and one towards apex at the commencement of the praesubmarginal shade; the central fascia edged on each side by a pale band with a dark centre; the inner edge oblique and curved below costa, the outer wavy and preceded at middle by a rufous patch; the inner marginal half of wing whiter than the rest; marginal area greyish fuscous varied with rufous, through which the pale waved submarginal line runs, sometimes preceded by blacker spots; black marginal lunules between veins; fringe mottled dark and light grey; cell-spot black.

*Hindwing*: like that of *T. albicarnea*, but the marginal dark line thicker.

Underside with the forewing dark grey, and the hindwing white; both with the lines and cell-spots plain; the markings clearer and more defined than in *albicarnea*.

Head and thorax white; face white or grey; palpi grey; base of shoulders and patagia laterally only, and a spot in middle of patagia black; metathorax white; dorsal segments all dark grey, laterally blackish.

Expanse of wings: 21 mm.

1 ♂ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden), type; 1 ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

This species is undoubtedly closely allied to *T. albicarnea* described above, but as certainly distinct.

### 154. *Tephroclystia analiscripta* spec. nov.

*Forewing*: dull luteous grey, tinged with dull red-brown along costa and outer margin, and across the basal field; central fascia rather darker grey, containing a conspicuous black cell-spot, and with the outer edge, which is bluntly bent on

vein 6, marked by black dashes on veins; the whole wing crossed by wavy grey lines; bands preceding and following fascia paler with a grey centre; submarginal line wavy, pale grey; marginal line finely dark, interrupted at the veins; fringe mottled light and dark grey.

*Hindwing*: grey, with the markings repeated, but all very indistinct, except along inner margin, where the darker shades are dull red-brown, with one more conspicuous spot at anal angle.

Underside grey, with black cell-spots and very indistinct markings.

Head, collar, shoulders, base of patagia, centre of thorax, and the whole of dorsum red-brown; patagia and underside of abdomen grey; palpi dark brown.

Expanse of wings: 20 mm.

2 ♂♂ from Tingnri, Carabaya, Peru, 3400 ft., August 1904, dry season (Ockenden).

In some respects like *T. panda* Druce from Central America, but much smaller.

#### 155. *Tephroclystia arenaria* spec. nov.

*Forewing*: glossy pale sandy, the ground really being cream-colour, which is only faintly visible across wing beyond the different cross-lines, which themselves are only traceable in certain lights; the lines forming the inner and outer edges of central fascia at one-third and three-fourths can be generally seen, especially the outer, which is more conspicuously followed by a pale line; beyond this a broader praesubmarginal band of sandy tint rises from a dark costal shade, the submarginal line itself being represented by a series of large cream-coloured spots between veins; an interrupted dark marginal line; fringe glossy, pale ochreous and white.

*Hindwing*: cream-coloured, with commencements of lines along inner margin and the outer lines complete but fine.

Underside of forewing shining pale grey, the spots of submarginal line showing plain; hindwing cream-colour, with the marginal line only.

Head, thorax, and abdomen like wings.

Expanse of wings: 17 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

Nearest to *T. subalba* Warr. from Mexico; it might easily be mistaken for a *Sterrhid*.

#### 156. *Tephroclystia atricollaris* spec. nov.

*Forewing*: luteous grey; the costa marked by thick dark grey outwardly oblique lines alternating with the paler intervals; below the subcostal the lines are all oblique, tinged with rufous, and masked on veins by dark dashes; a rufous streak from cell to outer margin between veins 5 and 6; cell-spot black and large, the cell itself with dark grey scales; submarginal line marked by white spots preceded and followed by black spots, that on submedian fold larger; a fine dark marginal line; fringe very pale grey, with large distinct brownish mottlings beyond the veins. The whole wing has a powdery look.

*Hindwing*: pale grey, darker towards outer margin; inner margin below median vein and vein 2 with thick brownish grey lines and a dark triangular mark at base; marginal line thick, blackish, interrupted at veins; fringe as in forewing.

Underside of forewing dark grey, of hindwing shining white; forewing with

lines only visible towards apex; cell-spot black; hindwing with costa and outer margin grey; the lines marked by series of dots on veins.

Palpi externally dark brown; face and vertex ochreous, with brownish centre; collar, shoulders, and patagia white; base of patagia and prothorax velvety black; abdomen grey sprinkled with darker, brownish on dorsum.

Expanse of wings: 22 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

#### 157. *Tephroclystia atromaculata* spec. nov.

*Forewing*: a mixture of black, whitish grey, and rufous; the cross-lines and shadings blackish, the intervals grey; bands edging central fascia whitish, with dark centre; a rufous streak from base along lower half of cell; another along inner margin and submedian vein; a broad oblique brown and rufous streak from outer edge of central fascia at vein 6 to apex; veins 2, 3, and 4 pale rufous; those above middle forming pale rufous spots before outer margin; inner half of central fascia broad and dark below median, narrow and interrupted with white towards costa; outer half broad and dark at costa, narrower and interrupted by the rufous streaks below; submarginal line white, waved, preceded at costa, beyond cell, and between veins 1 and 3 by velvety black blotches; a streak of white and blackish scales between 3 and 4; black marginal dashes between veins; fringe grey mottled with black beyond veins, sharply white at base.

*Hindwing*: cream-white; a blackish blotch on inner margin at base and the commencement of dark lines along inner margin; marginal line black, interrupted; fringe white, black-spotted beyond veins.

Underside of forewing blackish grey, the inner margin blurred; hindwing white, glossy, with the lines blackish, well marked on costa and inner margin, and dotted on veins; cell-spots black; fringe of forewing mottled black and white; of hindwing white.

Face and palpi black; top of face in middle and vertex white; collar, shoulders, and patagia mixed black and white; metathorax black; dorsum brown, with a broad black belt on second segment and narrow segmental rings; sides and anal segment black; legs black chequered with white.

Expanse of wings: 25 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

#### 158. *Tephroclystia candidata* spec. nov.

*Forewing*: chalk-white; crossed by grey lines, which are angled below subcostal and then run obliquely inwards parallel to outer margin, all marked more broadly on costa; basal patch quite small, edged by a curved grey line; edges of central fascia at one-third and two-thirds, the outer angled on vein 6, from there to vein 3 thickened and blackish; the fascia with three or four waved grey lines through it, all plainest on costa; band before fascia twice as broad on costa as on inner margin, containing a central grey band with a line on each side, reduced on inner margin to one thick line; band beyond fascia broad, with a grey central line, and edged outwardly by a grey line; submarginal line indistinct, but preceded and followed at costa and beyond cell by some brown and black dentate markings; marginal line dark grey; fringe white; cell-spot grey.

*Hindwing*: with grey cell-spot and beginnings of lines along inner margin.



Underside white, with the cell-spots marked on both wings, and on forewing the outer edge of the fascia and the praesubmarginal shades.

Head, thorax, and abdomen white; basal and last three segments of abdomen blackish; legs blackish, with white joints.

Expanse of wings: 30 mm.

2 ♀♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Oekenden).

Both examples are considerably worn. The wings are narrow and elongate, the forewings with prominent apex.

#### 159. *Tephroclystia discretata* spec. nov.

*Forewing*: dull white; the lines and shades dull grey, towards the outer margin with a rufous tinge; two dark excurved bands, each of two lines, limit the central fascia, containing in its white centre the rather prominent dark cell-spot; the fascia is preceded and followed by a pale band with grey centre; submarginal line slender, wavy, preceded by a distinctly deeper shade; an interrupted marginal line; fringe rufous.

*Hindwing*: whitish, with obscure transverse grey lines; marginal area and fringe grey; cell-spot grey.

Underside of forewing grey, of hindwing whitish; lines in both indistinct.

Head, thorax, and abdomen white, the last with the second and praeanal segments of dorsum rufous; palpi grey.

Expanse of wings: 16 mm.

2 ♂♂ from Santo Domingo, Carabaya, Peru, 6500 ft., October 1902, dry season (Oekenden).

#### 160. *Tephroclystia erecticoma* spec. nov.

*Forewing*: wood-brown, the lines darker; a diffuse dark patch at base; central fascia rather narrow, edged by two dark lines, the inner slightly curved, the outer bent at vein 6, consisting of two distinct lines; cell-spot large, of black erect scales; the broad spaces before and beyond fascia with very obscure markings; submarginal line wavy; marginal line black, interrupted; fringe brown.

*Hindwing*: crossed by thick dark lines, the outer ones slightly dentate, all darker and obscured below middle; costal and apical areas ochreous; cell-spot small.

Underside of forewing dull brown, of hindwing ochreous, where only the markings are plain; cell-spots black.

Head, thorax, and abdomen brown-black.

Expanse of wings: 21 mm.

1 ♂, 1 ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden).

I have made the description from the ♀, which is better preserved than the ♂.

#### 161. *Tephroclystia evacuata* spec. nov.

*Forewing*: pale brown, with some slight blackish dusting towards base; the bands preceding and following central fascia narrow, white, and dentate, with a black zigzag central line; middle of fascia paler than the sides, above the median vein leaving a white space with the black cell-spot on its inner edge; costal edge and costal vein both finely and interruptedly marked with black; basal area mixed with white and blackish scales; submarginal line white, swollen between 3 and 4;

some white scales before apex ; marginal line black, interrupted at veins ; fringe chequered brown and white.

*Hindwing* : white ; two antemedian thick grey lines, with the thin black cell-spot between them ; two thick postmedian lines coalescing to form a brownish grey shade ; two submarginal dentate dark grey lines, the outer the stronger ; a thick black marginal line interrupted by white dots on the veins ; apical area clouded with brown-grey ; fringe as in forewing.

Underside pale ochreous, crossed by alternate bands and lines of blackish grey ; fringe mottled, ochreous and dark grey ; cell-spots black.

Head, thorax, and abdomen luteous speckled with white ; abdomen beneath pale speckled with black ; palpi yellowish buff.

Expanse of wings : 22 mm.

1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

In the neighbourhood of *T. conduplicata* Warr., from Mexico, but smaller and browner, the underside characteristic.

#### 162. *Tephroclystia galenaria* spec. nov.

*Forewing* : pale grey, crossed by darker grey lines, forming blackish dashes on the veins ; the pale bands limiting the central fascia and that crossing it in the middle, all plain with a thick dark-grey centre, and, like the dark lines, all more waved than usual, being outcurved in midwing ; the cell-spot dark ; submarginal line regularly waved, pale grey ; the veins in outer half of wing pale grey, interrupting the dark marginal line : fringe glossy grey, dark mottled in basal half beyond veins ; veins at lower end of cell marked slightly with ochreous when fresh, but this tint is soon lost.

*Hindwing* : paler grey, without markings towards costa ; those along outer margin distinct, and lunulate-dentate, forming dark dashes on veins.

Underside glossy, dark grey in forewing, whitish grey in hindwing, with the dark and light spaces distinct.

Head, thorax, and abdomen pale grey, varied with darker.

Expanse of wings : 24 mm.

1 ♂, 2 ♀♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden) ; also 1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

Wings broad ; the uniform dark and light grey speckling is suggestive of the dappled feathers of the guinea fowl.

#### 163. *Tephroclystia lugubris* spec. nov.

*Forewing* : dark fuscous, with three pale lines across wing, each with a thick middle thread, one on each side of central fascia, and one in its middle, the last the whitest ; submarginal line waved, whitish, indistinct ; cell-spot dark, oblique, preceded by whitish scales ; a dark marginal line interrupted by dots of white scales at the veins ; fringe dark fuscous, mottled with darker, and with a pale base.

*Hindwing* : paler, crossed by alternate thick and thin dark grey lines, which are strongest on inner margin, the costal half being blurred grey.

Underside of forewing blurred dark grey ; the lines marked on costa ; submarginal line pale ; fringe chequered with white : hindwing whitish, crossed by six dark grey lines.

Head, thorax, and abdomen blackish fuscous; collar and shoulders paler.

Expanse of wings: 23 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

164. *Tephroclystia luteonigra* spec. nov.

*Forewing*: buff; crossed obliquely by the usual lines, which in places are darkened by blackish scales, the costal area above subcostal vein always remaining buff; space between basal patch and central fascia occupied by three oblique black lines; subcostal space immediately before and above the black cell-spot, the curved outer lines of fascia beyond cell, and the space obliquely beyond to apex are blackish, across which the paler lines show white; veins 1, 2, 3, and 4 dotted black and white; space between 2 and 4 buff without black speckling; submarginal line interrupted, consisting of white spots, preceded by black shades and joined externally by black dashes with the black marginal lines between veins; fringe whitish, chequered with dark.

*Hindwing*: whiter; crossed by six curved darker lines, marked black on the veins, the two outermost lunulate-dentate, with a white line between; the marginal area buff; cell-spot small, black.

Underside paler buff, with the lines all marked greyish and black; cell-spot plain; the outer edge of central fascia and the praesubmarginal shade are thickest and darkest.

Head, thorax, and abdomen all buff, slightly mixed with white scales; the dorsal crests strong; tip of palpi brown; legs dark fuscous, with pale joints.

Expanse of wings: 26 mm.

2 ♀♀ from Carabaya, Peru, June—August 1904, dry season (Ockenden).

In one example the metathorax and base of abdomen are coal-black, and the markings of the underside of wings blacker.

Akin to *T. lutulenta* and *conduplicata* Warr.

165. *Tephroclystia lutulenta* spec. nov.

*Forewing*: dull olive luteous, somewhat thinly scaled; the outer half of wing from just beyond the large black cell-spot of a darker hue than the basal; the central fascia with three lines to each edge, those of the outer edge closer together, all broader and darker on costa; bands on each side clear, without lines; submarginal line fine and waved, paler than ground-colour; basal line fine and dark, close to base; marginal line finely black, interrupted at the veins; fringe olive mottled with darker.

*Hindwing*: like forewing, with all the lines plain; the submarginal preceded by dark scales in the lunules.

Underside with the ground-colour paler, and the markings darker and plainer.

Head, thorax, and abdomen concolorous; the face paler; palpi yellowish; antennae subserrate, ciliated.

Expanse of wings: 22 mm.

1 ♂ from Huancabamba, Cerro de Pasco, Peru, 6400 ft. (Böttger).

166. *Tephroclystia melanograpta* spec. nov.

*Forewing*: dingy grey with a slight luteous tinge, crossed by darker grey lines, bent below costa, then oblique; costa marked with five dark blotches, the spaces between them with a darker central line; the third and fourth give rise

to the lines limiting the central fascia, the slightly paler centre containing the black elongated cell-spot; submarginal line pale grey, not waved; a dark marginal line interrupted at the veins; fringe dingy grey mottled with dark.

*Hindwing*: dingy grey, with the base paler; a small dark cell-spot and the usual outer lines, the postmedian being plainest.

Underside paler, more luteous; costal and outer margins darker in forewing; hindwing with cell-spot and thick postmedian line; veins in both wings dark beyond middle.

Head and palpi luteous grey; shoulders and patagia brown; thorax and abdomen pale grey; abdomen with a black lateral streak, broadest at base; anal valves large.

Expanse of wings: 15 mm.

1 ♂ from Cuzhi, Huánuco, Peru, 1900 m. (Hoffmanns).

An inconspicuous insect. A very much worn ♀ from Santo Domingo, Carabaya, Peru, October 1902 (Ockenden) may be the same insect, but the black lateral line of abdomen is not visible.

#### 167. *Tephroclystia nigripennis* spec. nov.

*Forewing*: dark flesh-colour, except at costa, darkened with brownish; basal patch, central fascia, and praesubmarginal shade, all purplish black at costa, becoming brownish on inner margin; cell-spot large and black, followed by two dark lines in fascia; pale bands on each side of central fascia distinct, dull flesh-colour, with darker centre; submarginal line waved, indistinct; fringe dark brown.

*Hindwing*: wholly purplish black, crossed by five or six lines; the base pale, the fringe dark.

Underside dark purplish grey with traces of the lines; inner margin of forewing bronzy ochreous.

Head, thorax, and abdomen purplish black.

Expanse of wings: 14 mm.

1 ♂ from Rio Colorado, Peru, 2500 ft., August—September 1902 (Watkins).

#### 168. *Tephroclystia parcinotata* spec. nov.

*Forewing*: luteous grey, with a slight olive tinge; without any distinct lines or markings, except the pale band which edges the central fascia externally and traces of a pale submarginal line; cell-spot black, distinct; a dark marginal line; fringe concolorous.

*Hindwing*: whitish, the inner margin only showing traces of lines.

Underside of forewing dull grey, of hindwing whitish; lines of forewing visible beyond middle, of hindwing throughout; cell-spots black.

Head, thorax, and abdomen concolorous; abdomen below and pectus pale.

Expanse of wings: ♂ 20 mm.; ♀ 24 mm.

1 ♂, 2 ♀♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden).

#### 169. *Tephroclystia regulella* spec. nov.

*Forewing*: olive ochreous, crossed by a regular series of blackish grey lines, bent below costa, then oblique and parallel; cell-spot blackish, large; submarginal line hardly marked, but followed by black dashes to the black lunules forming the

marginal line; fringe pale, mottled with olive, with a narrow dark line close to base.

*Hindwing*: with the space along inner margin below median and vein 2, like forewing; the rest white without markings; a small cell-spot.

Underside of wings glossy ochreous; forewing greyish towards costa, where also the lines are marked; hindwing with six faint curved lines across wing, plainest on inner margin.

Palpi greenish fuscous with some white scales; face brown; thorax and abdomen olive ochreous, with the dark lines of the wings repeated across them.

Expanse of wings: 22 mm.

1 ♂ from Limbani, Carabaya, Peru, 9500 ft, May 1904, dry season (Ockenden).

#### 170. *Tephroclystia rubellicincta* ab. *birufata* nov.

The type of this species is a ♀; the amount of red in the forewing varies much, and sometimes appears to be nearly obsolete, so that it is possible that *madura* Dogn., described from 2 ♂♂, in which no mention is made of any red tints, may be the same species. In all cases, however, the second segment of the abdomen and the penultimate segment are marked with red. The hindwing is whiter and less strongly marked with lines than the ♀. For one very pale ♂, however, which may prove specifically distinct, in which the red tints are more extensive than usual, I propose the name *birufata* as an aberration. In this the centre of the band before central fascia is broadly red, and the first three lines of the fascia itself are red, not grey, and the whole of the praesubmarginal shade is of the same colour; while on the abdomen the second and praeanal segments are broadly red.

This ♂ comes from Huancabamba, Cerro de Pasco, Peru, 6400 feet, (Büttger).

#### 171. *Tephroclystia rufivenata* spec. nov.

*Forewing*: pale olive from base to central fascia, with a dark curved line close to base, and two close together before the fascia, these lines edged with whitish; inner edge of fascia evenly curved at one-third; outer at two-thirds, but strongly excurved from subcostal vein to 2, on which it is indented, thence curved; inner half of fascia brown-black; outer edge interruptedly blackish; discocellular marked by a straight oblique black bar touching the inner band, followed by a round white patch with a dark dot at middle, and edged outwardly by a strongly marked black dentate line; subcostal and median veins and all the nervules pale rusty, the space between 2 and 4 more or less smeared with rust-colour; a broad oblique pale streak from apex to central fascia at vein 6; praesubmarginal shade brown-black, interrupted first by the oblique streak, and again between 2 and 4; submarginal line wavy, white, marked by a large white spot between 3 and 4; marginal area ferruginous and blackish; marginal line black; fringe mottled black and white.

*Hindwing*: luteous grey, with traces of straight dark grey lines, plain only on inner margin, where the anal angle is dark; fringe glossy, ochreous grey.

Underside of forewing blurred grey in inner marginal half, towards costa with the lines and intervals dark grey and whitish; hindwing whitish, dark-speckled, with five dark brown lines, the outer two dentate, with finer lines between, all very concise; cell-spots black; fringe of forewing dark mottled, of hindwing pale.

Head, shoulders, and patagia cream-coloured, spotted with black; palpi fuscous thorax and abdomen deep rust-coloured; the latter with a black belt at base, black dorsal spots tipped with white, and the anal segments black.

Expanse of wings: 26 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

172. *Tephroclystia sticticata* spec. nov.

*Forewing*: olive-grey, powdered with fine whitish scales; the lines very fine, brown, marked by blackish dots on veins; cell-spot linear, black; lines edging central fascia somewhat more conspicuous; submarginal line pale, emphasised by black dashes between veins, that on the submedian fold forming a round black spot, and those on each side of vein 5 larger and longer; fine dark dashes from the teeth to margin; fringe brownish grey.

*Hindwing*: pale luteous, with a mealy appearance; below median whiter, with traces of dark double lines; cell-spot grey; marginal line darker.

Underside of forewing blurred grey; the lines distinct only on costa, the outer line blackish, as is the cell-spot; submarginal pale; hindwing whitish, with distinct cell-spot and outer line; outer margin darker.

Head, thorax, and abdomen luteous grey; second segment of abdomen with a dark ring; the dorsum brown.

Expanse of wings: 22 mm.

Several ♂♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden).

Distinguished by the mealy luteous hindwings.

173. *Tephroclystia viduata* spec. nov.

*Forewing*: blackish grey; the usual lines darker and beyond middle black-dotted on the veins; the two narrow bands on each side of central fascia and a broader band at its middle beyond the black cell-spot, traversed by two black lines, paler; the submarginal line close to margin and very obscure; a black marginal line with pale spots at the vein ends; fringe blackish.

*Hindwing*: paler, more transparent towards costa; all the lines reproduced on inner and outer margins, but darkest on the former.

Underside glossy grey, blacker in forewing, whiter in hindwing, with all the lines blackish and black-spotted on veins.

Head, thorax, and abdomen blackish grey; the face and collar paler grey.

Expanse of wings: 27 mm.

1 ♂, 1 ♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Oekenden).

The pale bands, as described above, are plain only in the ♀; the ♂ is more obscurely black all over; in both sexes the abdomen is long and slender.

174. *Trichoclystis venulata* spec. nov. and ab. *lucidior* nov.

*Forewing*: grey; the lines and markings more brownish grey; the darker lines and paler intervals forming alternating light and dark dashes on veins; central fascia, especially its two limiting bands, darker than the ground-colour, its inner edge acutely angled in cell before the linear black cell-spot, which stands in a paler middle space; the pale-grey band beyond with a thick grey

traversing line; submarginal line pale, faintly waved, preceded on submedian fold by a dark blotch; a dark marginal line; fringe grey with a whitish basal line.

*Hindwing*: with the markings only shown on inner margin, the costal half of wing being whitish.

Underside of forewing dark grey in costal half, white along inner margin; the pencil of hairs yellowish grey; hindwing white with the markings pale grey; in the ♀ the whole forewing below is grey.

Head, thorax, and abdomen pale grey; dorsum with a dark streak on middle segments, the two basal segments and the anal segment remaining pale grey.

Expanse of wings: 22 mm.

3 ♂♂, 1 ♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden).

This species differs from the type of the genus *T. peregrina* Warr. in having the wings narrower and elongate, instead of short and broad; the hair pencil is yellow, not black.

In appearance it much resembles *Tephroclystia atricollaris* Warr. and *sticticata* Warr., which both have a dark blotch before submarginal line on the submedian fold.

A ♂ from Huancabamba, Cerro de Paseo, Peru, 6400 ft. (Böttger), is larger (24 mm.) and much more brightly marked, all the pale tints being lighter and the dark ones darker. It may stand for the present as ab. *lucidior*; like many other species from Huancabamba, it probably represents a well-marked local form.

#### SUBFAMILY HETERUSIINAE.

##### 175. *Erateina semilugens* spec. nov.

Closely allied to *E. dilectaria* Dogn. (*Heterusia*), but the white streak from base of forewing and the white discal area of hindwing so thickly clothed with slaty black scales as to appear smoky grey, the veins across the latter black; the inner margin of forewing with no white streak.

On the underside the basal streak and base of costa of forewing and the discal space of hindwing are silvery white, and the course of the submedian vein of forewing is marked with silvery scales; the ground-colour in both wings is rich purplish plum-colour.

On the upperside of hindwing the centre of cell and the whole lower half of the marginal border are clothed with long hairs.

Expanse of wings: 32 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

##### 176. *Erateina xanthyla* spec. nov.

Closely resembling *E. comata* Druce, but distinguished as follows: ground-colour olive-brown rather than olive-fuscous; the hyaline space longer and narrower, yellowish, edged with orange scales, and the veins across it orange, the lowest portion, between veins 3 and 4, produced further hindwards, in the ♀ reaching halfway to vein 2, and in both sexes produced above vein 6 towards costa; the three pale costal dashes yellowish instead of white.

Underside with the yellow striae in both wings mixed with deep purple red;

the hyaline blotch of forewing produced as in *comata* to costa, but strongly orange-tinged; the yellowish costal blotch at two-thirds not oblique inwards, as in that species, but outwards, deeper coloured, and continued to middle of wing by yellow spots on veins 6, 5, 4; the outer pale zigzag band of hindwing greyer and more diffuse.

Expanse of wings : 27 mm.

1 ♂, 1 ♀, from between R. Inambari and Limbani, S.E. Peru, March 1904 (Ockenden).

177. *Heterusia consobrina* spec. nov.

Much resembling *H. ovaliplaga* Warr., and from the same locality, but differing as follows: the cream-white transverse marking on forewing is narrower, especially the terminal portion lying between veins 2 and 3, which is hardly separated from the costal part.

In the hindwing the white projects angularly into the black marginal border on vein 4, the border being thus broader on costa and inner margin than in the middle, whereas in *ovaliplaga* it is of uniform width and evenly curved.

Underside of both wings vinous-brown speckled with yellow, darker at anal angle of forewing; in the hindwing the space at anal angle is white with a patch of red scales, the border obliquely cut from vein 3 to anal angle.

Expanse of wings : 27 mm.

1 ♂ from Pozuzo, Huánuco, Peru, 800—1000 m. (Hoffmanns).

178. *Heterusia plenilimes* spec. nov.

*Forewing*: black, with two yellowish costal spots at one-third and two-thirds; the black at base powdered with white scales; a white blotch on inner margin from near base to two-thirds, its upper edge parallel to costa, the outer nearly vertical; fringe (worn) black.

*Hindwing*: white with broad black marginal border; the extreme base dark.

Underside of forewing with base of costa thickly striated with white; the yellow costal spots much swollen; the apex with some blue-grey speckles; the white blotch on inner margin reaching from base nearly to anal angle; hindwing with the dark border interrupted by white scales at anal angle.

Head, thorax, and abdomen blackish powdered with white; abdomen beneath white.

Expanse of wings : 27 mm.

1 ♂ from Pozuzo, Huánuco, Peru, 800—1000 m. (Hoffmanns).

This species must be near to Hübner's *conduplicaria*.

179. *Heterusia restricta* spec. nov.

*Forewing*: black, with three very pale yellow costal spots, that nearest base narrow and inconspicuous, the other two broad; on the middle of inner margin an oblique, narrow white blotch with rounded top, its edge on margin equidistant from base and anal angle; fringe chequered black and white.

*Hindwing*: with base and inner margin smoky black, and fully the outer half of wing black, the white fascia between them generally with a black cell-spot, and projecting a little into the outer border across cell; fringe chequered.

Underside of forewing black; the base bluish grey with long thick black striae;



apical area with bluish grey scaling ; the second and third costal spots large and white ; two small spots before apex ; a triangular bluish white patch on inner margin much larger than above ; fringe black, broadly chequered with white ; hindwing with base black-speckled ; a large black costal spot at one-third : the black border with some blue-grey scales at apex and much interrupted with white at anal angle.

Head, thorax, and abdomen black, the segmental rings whitish ; abdomen at sides and beneath, like the legs, whitish, grizzled with grey, the tarsi black-mottled ; palpi beneath white.

Expanse of wings : 27 mm.

2 ♂♂ from Minas Gerais, October 1900 (Kennedy).

Distinguished by the position and shape of the white blotch of forewing and the broad black border of hindwing.

#### 180. *Heterusia separata* spec. nov.

*Forewing* : deep orange at base, the edge of the orange area curved from one-third of costa to vein 1 beyond middle, then angled basewards ; rest of the wing olive-brown containing an orange abbreviated fascia, separated from the basal area by a band of even width ; this fascia reaches vein 2 and externally is angled inwards on vein 4 ; the basal area is slightly dusted with olive scales along costa and inner margin.

*Hindwing* : orange, paler along costa and broadly dusted with olive along inner margin ; outer margin olive-brown, almost interrupted at vein 5 by the orange ground-colour, which projects into it between 4 and 6.

Underside the same, but paler, the inner margin of hindwing wholly yellow, and the outer margin quite interrupted at 5, where the fringe also is pale.

Head, thorax, and abdomen ochreous dusted with olive atoms ; palpi brown, white beneath.

Expanse of wings : 28 mm.

2 ♂♂ from Rio Palcaza, Province Huánuco, Peru (Hoffmanns).

#### 181. *Heterusia trifoliata* spec. nov.

*Forewing* : blackish olive, thickly powdered with buff scales in basal half, with a curved buff blotch beyond middle, from below costal edge to vein 2, its inner edge smoothly curved, its outer irregular and from vein 3 to 1 nearly vertical ; fringe concolorous.

*Hindwing* : with the blotch trilobed, the upper lobe resting on costa beyond middle, the outer running nearly to outer margin between 6 and 4, the lower abbreviated ; base of wing paler olive, thickly buff-mottled.

Underside of forewing with base dull buff, the basal half of costa thickly clothed with pale hairs ; the buff streak beyond middle much swollen, with a pale spot below it at anal angle : hindwing yellower buff, with a brown cell-spot and antemedian line interrupted across cell ; marginal area dark brown with a deep sinus beyond cell and a smaller one at anal angle.

Head, thorax, and abdomen brown speckled with buff ; abdomen beneath and legs pale buff.

Expanse of wings : 28 mm.

♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

## SUBFAMILY OURAPTERYGINAE.

182. *Phrygonis flavilimes* spec. nov.

*Forewing* : grey-brown, more rufous towards outer margin, with three parallel oblique lines ; the first close to base, formed of steely scales ; second from one-fifth of costa to one-third of inner margin, deep yellow, bent at costa, narrow, edged inwardly by raised steely scales, and with a few beyond it on subcostal ; third line from two-fifths of costa to three-fifths of inner margin, pale yellow, broad, inwardly limited by steely scales ; extreme outer margin yellow, broader in middle, thinning out at either extremity ; fringe yellow.

*Hindwing* : with outer margin at middle fulvous ; the sinuous band continuing the third band of forewing orange fulvous, pale yellow on costa, edged inwardly by embossed metallic spots from vein 6 to above 2, then by a fine line, and outwardly by a lustrous violet-blue line ; margin and fringe from vein 3 to anal angle, and still more broadly from apex to vein 6 pale yellow ; in the fulvous tail a long oval black spot with metallic centre and a smaller black spot below it ; the outer margin darkened before the yellow marginal streak in both wings.

Underside pale pearl-grey, darker towards outer margin ; extreme margin and fringe yellow.

Head, thorax, and abdomen like wings.

Expanse of wings : 44 mm.

1 ♀ from La Oroya, R. Inambari, Peru, September 1904, dry season (Ockenden).

Much resembling *appropriata* Wlk., and in some respects also the figure of *politata* Stoll. ; but distinguished from all other species by the pale yellow edging of the wings before the yellow fringe.

## SUBFAMILY DEILINIINAE.

183. *Lomographa modesta* spec. nov.

*Forewing* : white ; the costal edge finely yellowish ; lines pale grey, diffuse ; first vertical from just before middle of inner margin to median vein at lower angle of cell ; outer line from three-fourths of inner margin also vertical, slightly incurved before costa, lunulate-dentate, followed by a fringe of grey scales, which makes it appear double ; marginal area beyond a pale space dusted with pale grey scales ; marginal line very fine ; fringe grey.

*Hindwing* : with the outer line and shade curved ; no cell-spots ; fringe grey.

Underside wholly white ; fringe white with the tips alone grey.

Head, thorax, and abdomen white ; face and palpi dark brown ; antennae brownish ; legs white, externally yellow ; the forelegs brown in front.

Expanse of wings : 35 mm.

1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

The same size and shape as *L. nubimargo* Warr.

184. *Lomographa penumbrata* spec. nov.

*Forewing* : white ; the costal edge finely dark ; crossed by three luteous grey lines starting from dull blackish costal triangles, and disposed almost as in *inaequata* Warr., viz. from one-third, three-fifths, and five-sixths of costa to one-half, three-fourths, and seven-eighths of inner margin respectively ; but whereas in

*inaequata* the second line is flexuous and the third straight, in this the second is straight and the third bent outwards at vein 6; further, before the black marginal line there is a narrow grey shade broadest beyond cell, which tinges the fringes also grey, except at apex and anal angle.

*Hindwing*: with two narrow lines only towards outer margin, approaching one another before anal angle, the inner straight, the outer curved; fringe pale.

Underside white; forewing with an apical grey cloud from five-sixths of costa narrowing to end of vein 2, containing a roundish white blotch at apex.

Face and palpi black-brown; vertex, thorax, and abdomen white; legs white, the tarsi dark fuscous.

Expanse of wings: ♂ 30—35 mm.

2 ♂♂ from Huancabamba, Cerro de Pasco, Peru, 6400 ft. (Böttger).

185. *Lomographa sincera* spec. nov.

*Forewing*: white, the costal edge white; lines grey, ill-marked; first from before middle of inner margin to base of vein 2; outer at two-thirds, thick, slightly projecting outwards on vein 6 and below 4; marginal area faintly dusted with grey; fringe white; no cell-spot or marginal line.

*Hindwing*: without inner line; the outer bent on vein 3.

Underside pure white.

Head, thorax, and abdomen white; face and palpi dark brown; antennae brown, with basal third pale; legs white; forelegs brown in front.

Expanse of wings: 28 mm.

1 ♀ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Oekenden).

The lines are placed exactly as in *L. modesta* Warr., but the insect is decidedly smaller, and the fringes wholly white.

186. *Lomographa sordidata* spec. nov.

*Forewing*: white with a slight luteous tinge; costal edge finely yellow; lines dull grey; first very obscure, slightly curved, at one-third; outer diffuse, indistinctly crenulate, from three-fourths of costa to two-thirds of inner margin, slightly bent at veins 6 and 4, followed after a pale space by a black speckled marginal area; marginal line finely black, swollen into spots between veins; a small black cell-spot; fringe pale grey with white base.

*Hindwing*: without inner line; the rest as in forewing, but the marginal line not swollen into spots.

Underside white; costa of forewing yellowish; cell-spots showing through.

Head, thorax, and abdomen white; face and palpi brown; forelegs brown.

Expanse of wings: 28 mm.

2 ♂♂ from Sapucay, Paragnay, September 1904 (Foster).

Akin to *L. discolorata* Warr., also from Paragnay, but whiter, with narrower wings and distinct cell-spots.

SUBFAMILY PALYADINAE.

187. *Aplogompha riofrio* ab. *obscura* nov.

Differs from the usual typical form of *riofrio* Dogn. in the basi-costal patch of forewing not being sharply cut off along the median vein, but diffusely edged and externally continued to inner margin; the hindwing is crossed by three

complete series of grey-brown striae, which are usually only marked or suggested on the abdominal margin.

Underside the same.

1 ♂ from Huancabamba, Cerro de Pasco, Pern, 6500 ft. (Böttger).

188. *Argyrotome metallicata* spec. nov.

*Forewing*: dark mouse-colour, thickly dusted with shining metallic scales; cell-spot oval, black in a yellow ring, the costal half of the black centre concealed by a boss of metallic scales, the whole placed in a larger rounded brown shade, of which the lower half is covered with a bed of bright metallic scales; beyond the cell-spot the metallic scales arrange themselves into a curved wavy-edged belt followed by a broad band of chocolate-brown, clear itself of bright scales, but edged outwardly by a shining bluish silvery line curving from costa before apex to anal angle: the extreme margin and fringe paler; base of fringe rufous.

*Hindwing*: with centre marked by a large blotch of metallic scales followed by a straight lustrous belt from apex to anal angle; the margin with five embossed spots, the three below middle large, the two above it quite small; margin, especially about apex, rufous-tinged.

Underside creamy white with a bluish tinge; both wings with a smoky brown submarginal fascia, very broad in forewing and narrow in hindwing; forewing with a large black discal spot.

Head, thorax, and abdomen mouse-colour; face and palpi browner.

Expanse of wings: 30 mm.

1 ♂ from R. Cayapas, N.W. Ecuador (Flemming & Miketta).

Nearest to *A. tenebrosa* Warr.

189. *Berberodes fulvicomosa* spec. nov.

♂. Closely allied to *B. cassiteris* Warr., from which it will be found to differ as follows: The dark marginal border of forewing is wider, and contains a sinus on its inner edge between veins 3 and 4, which does not exist in *cassiteris*; similarly in the hindwing the border from apex to vein 4 is wider, but stops short there, whereas in *cassiteris* it is continued narrowly to the anal angle, followed by a dark fringe; in *fulvicomosa* the fringe below vein 4 is, like the margin itself, white; the anal angle is more amply lobed, and clothed and fringed with gilded yellow hair scales, instead of black, the black blotch on the abdominal margin above the lobe being much smaller, with the tuft of black hairs less developed. Further, the silvery washing of the outer two-thirds of the hindwing is neither so dense nor so brilliant, the wing membrane remaining semi-transparent.

The costa of forewing is not so rigidly straight as in *cassiteris*, and the outer margin, instead of being uniformly curved, is more vertical to vein 3, then visibly inbent.

Expanse of wings: 27 mm.

1 ♂ from R. Huacamayo, Carabaya, Pern, 3100 ft., June 1904, dry season (Ockenden), taken under identical conditions with a ♂ of the same size of *B. cassiteris*. No ♀ of either species were received from this locality; but from La Oroya, R. Inambari, caught in September of the same year, come two ♀♀, slightly differing *inter se*, but both, judging from the bend in outer margin of

forewing and from the breadth of the marginal border, referable to *fulvicomosa*. One of them, indeed, is identical with the ♂, except that it, of course, lacks the hair-clad lobe and silvery washing of the hindwing; the other, though exactly like the first beneath, shows the dark marginal border of upper side much broader, especially in the hindwing, where it extends uniformly from apex to anal angle; and the three series of pale yellow spots are here coalescent into lines and tinged with grey, and the white ground-colour is striated with grey. I take this to be merely a dark form.

190. *Ophthalmophora*? *bimaculata* spec. nov.

*Forewing*: purplish fuscous, with triangular yellow blotches just beyond middle on costa and inner margin, their apices pointing outwards; fringe concolorous.

*Hindwing*: with a lustrous metallic submarginal line from anal angle, where it is very faint, curving round from costa to base of veins 6, 7, preceded on costa by a large dull orange blotch, containing a lustrous spot on costa and limited towards base by a diffuse line of metallic scales running to one-third of inner margin; the narrow marginal area beyond the curved lustrous line is also dull orange; the fringe grey; between veins 6 and 7 a small embossed metallic spot on a black ground in a yellow ring; above vein 4 touching the lustrous line another embossed spot of silvery scales mixed with black; below vein 4 the wing is dusted with paler, and a few metallic scales.

Underside dull grey-brown, the yellow blotches of forewing and the orange blotch on costa of hindwing showing faintly.

Head, thorax, and abdomen concolorous with wings; abdomen below and pectus whitish.

Expanse of wings: 26 mm.

1 ♀ from Sapucay, Paragnay, October 1904 (W. Foster).

Most probably an *Ophthalmophora*.

191. *Ophthalmophora* *crepuscularia* spec. nov.

*Forewing*: deep velvety olive-brown, the fringe a little paler.

*Hindwing*: with base narrowly of the same tint, edged by an oblique narrow lustrous whitish line with darker outer edge, widening on costa; rest of wing, except costal and outer areas, deep brown flecked with olive scales; a metallic violet submarginal line from anal angle curving round on costa and ending in a thickened blotch at vein 6; the space between its end and the basal line, as well as the marginal area, dull fulvous; a round metallic eye between veins 6 and 7, with fine yellow orbit and black pupil containing an embossed violet spot; a smaller similar spot before submarginal line above vein 4; fringe brown.

Underside of forewing purple-brown, with base and inner margin whitish; of hindwing white, with margin and fringe purple-brown.

Head and thorax purple-brown; the abdomen cinereous; underside of abdomen and legs pale.

Expanse of wings: 34 mm.

1 ♂ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (G. R. Oekenden).

192. *Ophthalmophora trimaculata* spec. nov.

*Forewing*: pale mouse-grey, browner in the central area between the two lines; costa pale yellow, expanding into two flattened triangles, a smaller one at one-third, and a larger at two-thirds; the first precedes an obscure inner brown line, running parallel to outer margin; the second precedes a double brown outer line with a paler centre; the space between these lines on inner margin contains a flattened yellowish white blotch; cell-spot a minute pale dot; marginal area between apex and vein 3 paler than the rest and limited by a waved obscure shade; marginal line diffuse, purplish, running irregularly into the yellow fringe.

*Hindwing*: base mouse-grey, edged by a yellowish white line, which forms a square spot on costa at one-fourth; a lustrous submarginal line curving round from costa to vein 6 and preceded on costa by a triangular yellow blotch; below its end three small metallic embossed spots on a black ground in a yellow ring, the lowest one minute; interval between these and the lustrous line mouse-grey, beyond the line greyish fulvous; the fringe dull yellow; centre of wing pale brick-red thickly dusted with darker red atoms; cell-spot red; inner margin and fringe pale.

Underside pale grey dappled with darker in outer half; costa of forewing beyond middle broadly, of hindwing throughout narrowly, yellowish; fringes yellowish.

Thorax and abdomen mouse-grey; head more ochreous grey; underneath pale grey like the wings; forelegs fuscous in front.

Expanse of wings: 26 mm.

1 ♂ from Sapucay, Paraguay, October 1904 (Foster).

Nearest to the Peruvian *O. contrariata* Warr., but smaller and neater.

193. *Opisthoxia croceata* spec. nov.

*Forewing*: pale yellow, with the costa narrowly and the outer margin broadly deep buff; from the base of inner margin a broad brown streak runs obliquely upwards below the median vein to beyond the lower angle of cell, where it is abruptly angled and bent upwards and inwards beyond cell to the subcostal vein, below which it is marked by a metallic dash; a submarginal metallic streak consisting of spots between veins, more or less confluent below middle, the uppermost one above vein 7 elongated; fringe buff.

*Hindwing*: with a submarginal metallic line from anal angle curved round from below middle of costa, approaching its own course between veins 2 and 3, then running up to middle of inner margin; the basal space within this line pale yellow, the marginal space beyond it deep buff, tinged with darker along the inner course of the line and along inner margin; base of wing brown edged with whitish; between veins 6 and 7 an oval embossed metallic spot in a black ring; a similar but smaller spot before margin above vein 4, where the submarginal metallic line is interrupted.

Underside whitish with a pinkish tinge; costa of both wings yellowish; outer margin of forewing grey-brown.

Head, metathorax, and basal segment of abdomen brown; thorax and abdomen yellowish.

Expanse of wings: 26 mm.

1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Oekenden).

194. *Opisthoxia ockendeni* spec. nov.

Very much like *O. argenticincta* Warr., with which it may easily be confounded.

Slightly paler red; the discal pale streak absent; from the lower edge of the costal pale streak an obscure dark bar runs straight to inner margin before anal angle; the pale streaks along costa and inner margin both edged internally with blackish scales. In the hindwing there are two embossed spots, the additional one being submarginal above vein 4; the metallic marginal line which curves round inwardly to vein 6 is obscurely continued by scattered shining scales to anal angle.

Underside not so white as in *argenticincta*, the marginal border of forewing fawn-grey instead of blackish.

Expanse of wings: 34 mm.

1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

## SUBFAMILY BRACCINAE.

195. *Sangala aenea* ab. *rubrimacula* nov.

*Forewing*: with a deep blue gloss, except along the margins; across the end of the cell and the bases of veins 2, 3, and 4 a red somewhat bilobed oblique blotch instead of the few red scales of the type-form; underneath the red blotch is still larger, the red streak at base of costa is well defined, and the hindwings have a red spot at base; the red lateral marks of abdomen also present.

Expanse of wings: 39 mm.

1 ♂ from Pozuzo, Huánuco, Peru, 800—1000 m. (Hoffmanns).

The red spot is of a different shape from that in *S. antiphates* Druce.

196. *Sangalopsis angustiplaga* spec. nov.

*Forewing*: brown-black, with an oblique deep red narrow blotch starting from subcostal vein at middle of wing and nearly reaching vein 2, enclosing the discocellular, veins 3 and 4 marked in black across it; fringe with the tips rufous.

*Hindwing*: brown-black.

Underside of forewing with the red blotch broader and straighter; apex, inner margin, and base paler brown; hindwing paler brown, with a darker broad margin, the edge starting from costa just beyond middle, running vertical to middle of discocellular, then outcurved to anal angle.

Head, thorax, and abdomen black-brown.

Expanse of wings: 30 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns), type; 1 ♂ from Huancabamba, Cerro de Pasco, Peru, 6400 ft. (Böttger).

197. *Siosta grandis* spec. nov.

Differs from *S. bifasciata* Latr. in its larger size and the different shape of the red blotch of forewing, which is only about half the width of that in *bifasciata*, the two edges parallel and both well defined. The same difference in width is seen on the underside, where both blotches are more developed. The underside of the

hindwing is deeper black, and the veins do not, as in *bifasciata*, show darker than the ground-colour.

Expanse of wings : 52 mm.

A series of ♂♂ from Zamora, Ecuador, 3000—4000 ft. (O. T. Baron).

SUBFAMILY NEPHODIINAE.

198. *Astyochia interlineata* spec. nov.

*Forewing* : hyaline, very scantily clothed with whitish scales ; veins towards margin and marginal line finely brown ; two faintly darker waved lines, one just before middle, the other submarginal ; between them and beyond the cell-spot a thicker line, curved below costa and touching submarginal line on inner margin ; costa greyish ; fringe white ; an inner line near base is visible on the inner margin.

*Hindwing* : with two waved lines, postmedian and submarginal, and the cell-spot dark.

Underside hyaline, the markings as above ; costa of forewing dark at base.

Head, thorax, and abdomen white ; antennae grey.

Expanse of wings : 36 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

In the possession of the broad line between the waved lines of forewing this species agrees with *A. signata* Warr., but in that the broad line is repeated in the hindwing.

199. *Astyochia transvisata* spec. nov.

*Forewing* : hyaline white, transparent ; costal edge finely black ; two grey lines ; first at about one-third, outcurved across wing ; outer from two-thirds of costa, lunulate-dentate, curved outwards to vein 6, then parallel to outer margin ; cell-mark grey ; fringe white ; veins before margin finely dark.

*Hindwing* : with the lunulate-dentate line close to margin ; cell-spot grey ; veins dark before margin only.

Underside iridescent white.

Head, thorax, and abdomen white.

Expanse of wings : 35 mm.

2 ♂♂ from Huancabamba, Cerro de Pasco, Peru, 6000 ft. (Böttger).

This species is noteworthy as having in the forewing the venation of *Astyochia* without the characteristic hair-tuft of hindwing. I have seen other examples, in which, owing to their condition, the tuft might have been abraded ; but the present pair are quite fresh and perfect.

200. *Nephodia interposita* spec. nov.

*Forewing* : dark greyish fawn-colour with darker freckling, semi-transparent ; two fine darker cross-lines, placed as in *N. perilla* Druce ; the veins and linear cell-mark rather darker ; marginal area decidedly darker, containing towards costa a short submarginal line.

*Hindwing* : white, slightly greyish along inner and outer margins ; fringe grey.



Underside of forewing paler, with the outer line marked and continued across the white hindwing.

Head and thorax concolorous with forewings; abdomen pale ochreous; antennae blackish.

Expanse of wings : 44 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden), type; 1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

The same size as *N. perilla* Drnce, from which it is separated by the white hindwings, and smaller than *impunctata* Th.-Mg., which has greyish white hindwings.

#### 201. *Nipteria albithorax* spec. nov.

Of the same size, shape, and appearance as *N. minor* Th.-Mg., with which at first sight it might appear identical, but distinguished by the following points: in the forewing the costa is darker grey throughout; the outer line runs nearer cell-spot, rising from costa at two-thirds instead of four-fifths, is quite straight and thick, and diffusely clouded at costa; the inner line, from nearly one-third instead of one-fourth, is also clouded at costa and runs straight, not bent on subcostal vein; the outer margin is indented below apex; the fringe dark grey above middle, and grey spotted with darker below: the hindwing shows no dark line above.

Underside with the lines in both wings thick and diffuse; costa of forewing with thick black striae.

Vertex, shoulders, and patagia conspicuously white, the patagia blackish at base; in *N. minor* these are dull grey.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., October 1904, wet season (Ockenden).

#### 202. *Nipteria brevistriga* spec. nov.

*Forewing*: semi-transparent, pale blurred grey; costal area above subcostal vein olive-ochreous, with fine dark speckling, and two short black streaks; the first oblique outwards at one-fourth, the outer oblique inwards beyond three-fourths; from the base of this last a very obscure straight grey line runs to two-thirds of inner margin; close beyond the outer black streak is a similar slight grey line showing through from beneath; a grey cell-spot on upper half of discocellular; apical and marginal areas clothed with olive-ochreous scales having a somewhat gilded appearance; fringe of the same colour, flecked with dark beyond veins, with a faint dark basal and middle line.

*Hindwing*: with a thick curved grey postmedian line, stopping short at submedian fold; cell-spot grey; the whole wing clothed with olive-ochreous scales: a darker shade before outer margin.

Underside with the olive-ochreous areas densely covered with black confluent striae; of the two outer streaks on costa of forewing the outer one is black and the inner grey; cell-spots and lines black.

Head, thorax, and abdomen olive-ochreous; antennae, vertex, shoulders and base of patagia fuscous; rings of abdomen fuscous.

Expanse of wings : 44 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

203. *Nipteria contacta* spec. nov.

*Forewing*: blurred luteous grey, more luteous along costa and towards apex; costa blackish at base and spotted with black throughout; a small black cell-spot; no lines marked, but the outer line visible by transparency; fringe concolorous, with minute black dots at the vein-ends.

*Hindwing*: with the line more visible; cell-spot and marginal spots as in forewing.

Underside of forewing black-speckled along costa and outer margin; the line very obscurely grey, slightly sinuous, from costa just before apex to middle of inner margin, passing through a fulvous cloud before outer margin, the space immediately beyond the line being pale yellow; some black scales at apex: hindwing speckled all over, with a faint fulvous tinge; the line thick, straight across wing from below middle of inner margin to vein 6, then upcurved to before apex.

Head, thorax, and abdomen concolorous; legs and antennae fuscous grey.

Expanse of wings: 44—46 mm.

1 ♂, 2 ♀♀ from Oconeque, Carabaya, S.E. Peru, 7000 ft., July 1904, dry season (Oekenden).

204. *Nipteria curtistriga* spec. nov.

*Forewing*: dull white, with a few dark speckles along costa; the outer margin with a greyish brown tinge; costa marked by three dark spots: first before one-third, the second before two-thirds, oblique outwards; the third at three-fourths, oblique inwards; a dark cell-spot; fringe white, distinctly chequered with black.

*Hindwing*: with black cell-spot and curved dark-grey postmedian line.

Underside of forewing olive-tinged and fuscous speckled along costal and apical regions only, of hindwing speckled throughout; of the costal marks of forewing the outermost is strongly marked and the second faintly; in hindwing there is a dark spot in and below cell near base.

Head, thorax, and abdomen grey; shoulders brown; antennae black.

Expanse of wings: 40 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns), type; 1 ♂, 1 ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden).

Apparently related to *N. brevistriga* Warr. and *laevipennis* Warr.

205. *Nipteria flebilis* Warr. ab. *subpallida* nov.

This form is very much paler than the typical; the lower half of forewing, the linear space beyond the outer line, and the whole of the hindwing being whitish grey; underneath both wings are whitish, with the darker tints of the typical form much reduced or absent; on the other hand the costal half of outer line of forewing and the two parts of the central line of hindwing, above and below the cell, are black and thick.

Expanse of wings: 40 mm.

1 ♂ from R. Colorado, Peru, 2500 ft., August and September 1902 (Watkins).

206. *Nipteria fumilinea* spec. nov.

*Forewing*: shining white; the veins grey; the costal edge narrowly grey to middle; a grey vertical line, slightly outcurved, at one-third; a grey outer line

from four-fifths of costa curved to two-thirds of inner margin, where it is thicker ; fringe white.

*Hindwing* : the same, with outer line only, and very faint.

Underside white, with the veins dark.

Head, thorax, and abdomen white ; collar with a yellow fringe ; antennae black ; tarsi fuscous.

Expanse of wings : 60 mm.

1 ♀ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

The antennae of this ♀ are finely subserrate, and I refer it to *Nipteria* rather than to *Leucula*.

#### 207. *Nipteria fumosata*

*Nipteria fumosata* Warr., *Nov. Zool.* xii. p. 57 ♀ (1905).

*Nipteria pallidilinea* Warr. ,, p. 58 ♂.

These turn out to be sexes of the same species.

#### 208. *Nipteria laevipennis* spec. nov.

*Forewing* : smooth pale grey, semi-transparent ; the cell and the marginal area darker grey ; costal area above subcostal vein pale straw-colour in the outer half of wing, with a black funnel-shaped mark at two-thirds reaching vein 5, followed by four small black spots before apex ; the basal half black with a pale straw-coloured blotch at one-fourth ; fringe straw-colour, broadly flecked with black beyond veins ; cell-spot scarcely marked.

*Hindwing* : paler, ochreous grey, with a very faint dark cell-spot and curved postmedian line ; fringe as in forewing.

Underside rather darker ; forewing with a dark shade from base through cell to outer margin ; the three black costal blotches distinct : hindwing straw-colour flecked with black ; cell-spot and postmedian line darker, and a cloudy submarginal shade.

Head, thorax, and abdomen ochreous ; the shoulders and base of patagia fuscous ; abdomen with darker segmental rings ; forelegs, palpi, and antennae blackish.

Expanse of wings : 44 mm.

1 ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

#### 209. *Nipteria perpusilla* spec. nov.

*Forewing* : semi-transparent greyish white, the costal edge darker ; a large smoky black cell-spot ; a thick dark line parallel to outer margin from three-fourths of costa to three-fourths of inner margin, incurved just below costa and outcurved above inner margin ; the marginal area beyond it above middle darker ; fringe blackish.

*Hindwing* : like forewing ; the marginal area not darker.

Underside rather duller ; space beyond cell-spot of forewing more distinctly white.

Thorax and abdomen grey ; face and vertex yellowish ; palpi blackish.

Expanse of wings : 24 mm.

1 ♀ from R. Huacamayo, Carabaya, Peru, 3100 ft., June 1904, dry season (Ockenden).

210. *Nipteria subustata* spec. nov.

On the upperside exceedingly like *N. contecta*, but darker grey, without any luteous tinge; costa darker at base and marked with black striae rather than spots; a very obscure outer line marked by dark vein-dots from before apex to two-thirds of inner margin; fringe dark grey, hardly spotted beyond veins.

*Hindwing*: with cell-spot only; fringe paler, with the spots plainer.

Underside of forewing pale, except along costa and outer margin; cell-spot and line plain, the latter with the teeth marked darker on the veins; marginal area from costa to vein 2 filled in with a fulvous grey cloud; fringe dark grey, with pale tips: hindwing with the line well marked, straight from submedian fold at two-thirds to vein 6, then upcurved to costa, the whole wing darker grey and speckled with blackish; inner margin narrowly pale.

Head and thorax dark grey; patagia and abdomen paler, the latter with black segmental rings.

Expanse of wings: 44 mm.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

211. *Nipteria translineata* spec. nov.

*Forewing*: white, densely dappled with blackish grey; the veins finely black; a slight blackish patch at base, followed by an indistinct line; first line at one-third, vertical, blackish, forming two large outward curves above and below the median vein, preceded by a narrow area of pure white; outer line at two-thirds, running obliquely outwards from costa to vein 4, shortly and obscurely toothed on the veins, then boldly dentate-lunulate to inner margin, followed by a pure white space; cell-spot black, following the course of the discocellular; a broad irregular white band from apex to anal angle; marginal area dark from vein 6 to 1, but whitish between 3 and 4; a black marginal line; fringe white, with black chequering beyond veins.

*Hindwing*: white, with a blackish lunulate-dentate submarginal line; a black cell-spot, and some dark shading towards margin; marginal line black; fringe white, with dark mottling.

Underside like upper; the shadings of forewing duller, those of hindwing clearer.

Head and thorax dark grey; abdomen whitish, with dark segmental rings; legs fuscous; antennae black.

Expanse of wings: 52 mm.

2 ♀♀ from Agualani, Carabaya, Peru, 9000 ft., March 1905, wet season (Ockenden).

By its markings this insect recalls some species of the North American genus *Nepytia* Hulst; veins 6 and 7 of hindwing are short-stalked.

212. *Nipteria umbrilinea* spec. nov.

*Forewing*: testaceous grey, with darker speckling; the costa darker, with slight striae; a dark cell-spot; a dark diffusely scaled outer line, slightly curved from apex to two-thirds of inner margin; apex and outer margin shaded with darker; fringe concolorous, with dark spots beyond veins in costal half of wing only; veins slightly darker.

*Hindwing*: with the line running from middle of abdominal margin to the outer margin at vein 7, rather thicker and more diffuse than on forewing; cell-spot dark.

Underside of forewing with costal and apical areas brownish tinged, with dark striae, inner marginal half quite pale grey without striae; the line dark brown: hindwing coarsely black-speckled, especially along the course of the thick black line; costa striated with dark.

Head, thorax, and abdomen like wings; shoulders and segmental rings of abdomen blackish; a brown lateral stripe on abdomen; legs dark.

Expanse of wings: 45 mm.

2 ♂♂ from Huancabamba, Cerro de Pasco, Peru, 6400 ft. (Böttger).

Forewing with slightly pointed apex. Belongs to the group including *dispansa* Warr. *unilinea* Warr. and *conversata* Wlk. (*Budara*).

### Zamaradopsis gen. nov.

Allied to the genera *Hydatoscia* and *Neotherina*, with which it agrees in the possession of a foveal bar in the forewing of the ♂, and in the thin scaling and semi-transparent wings; but the antennae are quite simple, lamellate, instead of bipectinate.

Type: *Zamaradopsis tenera* spec. nov.

#### 213. *Zamaradopsis tenera* spec. nov.

*Forewing*: pale semi-hyaline green, obscurely speckled with darker; the costa, lines, cell-spot, and marginal area pale pink; first line curved from one-third of costa to two-fifths of inner margin, where alone it is distinct; outer line from five-sixths of costa to three-fourths of inner margin dentate-lunulate, toothed outwards at 6 and 4, from 4 to 3 running close to margin, and curved in again towards inner margin, marked with red spots on veins; fringe pale.

*Hindwing*: similar.

Underside pale green, with the costa of forewing and apex deep pink; the outer line dark at costa.

Head, collar, and antennae pink; thorax and abdomen pale green, the dorsum pinkish tinged.

Expanse of wings: 27 mm.

1 ♂ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden).

A species of unusual appearance, superficially recalling the Eastern genus *Zamarada*.

### SUBFAMILY ASCOTINAE.

#### 214. *Bronchelia curvilinea* spec. nov.

♂. *Forewing*: white, thickly striated with brownish fuscous; lines thick, blackish; first from one-fourth of costa to one-fifth of inner margin, outcurved above median, preceded by a thick shade; median shade thick and blotched to vein 4, then incurved, and below vein 2 coalescing with outer line to form a blotch; outer line from two-thirds of costa outcurved to 6, then lunulate-dentate inwards; space beyond it above vein 4 blackish, bounded above 6 by the white submarginal line, and between 4 and 6 extended to outer margin; submarginal line bounded inwardly by a blackish spot between 2 and 3, and by an oblique blotch from inner

margin to 2; marginal border with thicker and darker striae; a row of black marginal lunules between veins; fringe grey, brown between 4 and 6.

*Hindwing*: with the lines duller; a thick straight antemedian, double lunulate-dentate postmedian line, and double submarginal shade enclosing the white line, the inner shade with a black blotch beyond cell; cell-spot small.

Underside white, striated only in costal half of forewing with grey; costa with dark blotches; the double inner line, the median shade, and the apical quadrate blotch all marked above median and vein 4; cell-spot black: hindwing with submarginal blackish blotches on veins 6 and 7 touching each other; a black cell-spot.

Head, thorax, and abdomen white; antennae fuscous.

♀ white, finely peppered with grey; the lines single, and very distinct; the outer line strongly curved; marginal area white, without blotches, except the two preceding submarginal line on inner margin; fringe white; hindwing with sinuous grey inner line, and lunulate-dentate postmedian; submarginal shade hardly marked.

Underside of both wings wholly white.

Expanse of wings: ♂ 56 mm.; ♀ 70 mm.

1 ♂, 4 ♀♀ from Ciudad de Tucuman, April 1903 (Monetti).

A very distinct species, marked, especially in the ♀, by the strongly outcurved outer line of forewing.

#### 215. *Bronchelia granulosa* spec. nov.

*Forewing*: dull whitish, covered with grey, partially confluent, granulations; these are thickest towards base and along outer margin, where the ground-colour also is somewhat darker; lines dark grey, indistinct, but marked with black on the veins; first from one-fourth of costa to one-sixth of inner margin, curved, and preceded by a pale line; median shade from before middle, angled outwards beyond the black cell-spot, and reaching inner margin at one-third, black-marked on all the veins; outer line from costa a little beyond middle to middle of inner margin, outcurved, and indicated by black arrow-headed marks on the veins, followed by a slight grey shade; submarginal line pale, lunulate, somewhat interrupted, traversing the darker grey marginal border; black marginal lunules between veins; fringe pale grey.

*Hindwing*: paler; the antemedian line cloudy; the rest as in forewing, but the outer half is faintly tinged with flesh-colour.

Underside dull cream-colour, with a narrow, black, nearly marginal border in both wings; forewing only speckled with black, and with a black cell-spot; costa luteous, blotched with black; fringe and extreme outer margins pale, with the marginal lunules black.

Head and thorax olive-grey; abdomen paler, like hindwing.

Expanse of wings: 60 mm.

1 ♂ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Oekenden).

#### 216. *Bronchelia nigriplena* spec. nov.

*Forewing*: chalk-white, without, or with very slight speckling along margins only; lines as in *puellaria* Guen., but all blacker and more distinct; the first more vertical; the apical blotch much blacker, and continued to hindmargin, not paler beyond submarginal line.

*Hindwing*: with the lunulate-dentate postmedian line and accompanying series of grey lunules very distinct; the submarginal blotch beyond cell black and conspicuous.

Underside white with only the costa of forewing striated; the quadrate apical patch abruptly cut off at vein 4; in a second example there is a narrower grey-brown cloud from it to vein 2, and a blackish streak, swollen between veins, from apex to vein 4 of hindwing.

Face, palpi, and antennae brown; thorax and abdomen chalk-white.

Expanse of wings: ♂ 56 to 65 mm.

2 ♂♂, the larger (type) from Santo Domingo, Carabaya, Peru, 6500 ft., December 1902, wet season (Ockenden); the smaller from Patino cné, Paraguay, February (Montforts).

#### 217. *Bryoptera deformipennis* spec. nov.

♂. *Forewing*: white, with a flesh-coloured tinge, except along the two folds; costa striated with grey and a few grey speckles about the wing; lines black, thick and interrupted; first at one-fourth, incurved below, preceded by a grey shade; outer from three-fourths of costa to two-thirds of inner margin, black-marked on veins, angled on vein 4 and insinuate above; median line thicker, strongly angled outwards within the angle of outer line; outer line followed by olive-grey blotches at costa, beyond cell, and in submedian interval; praesubmarginal shade marked only at costa and beyond cell, and below by grey dots on veins; outer shade complete, of olive-grey lunules, the extreme margin again pale, with black marginal spots; fringe flesh-colour.

*Hindwing*: with an olive streak at base; the median line thick, curved to the black cell-spot, preceded by an olive shade, and rising just above outer line, from which an olive blotch runs to the base of submarginal line. The wing is triangular in shape, the costa, as long as costa of forewing, straight and produced to a blunt point, the outer margin also being but slightly curved.

Underside dull pinkish ochreous with traces of a brown submarginal cloud.

Head, thorax, and basal half of abdomen white, the last with olive-grey bands; anal half pale fawn without markings; palpi externally with fuscous scaling.

Expanse of wings; 30 mm.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

In what I believe to be the ♀ of this species, all the grey markings are decidedly olive-green, the wings are more thickly speckled, and the pinkish shading more concise. The apex of hindwing is slightly more produced and prominent than in the ♀ of any other species of *Bryoptera*, and the scaling of the abdomen agrees with that of the ♂. The underside, however, differs, being dull grey with a darker cell-spot and central line, and broad darker grey marginal border, with the fringes white, much as in *B. discata* Guen.

This ♀, which is of the same size as the ♂, is from La Union, R. Huacamayo, Carabaya, Peru, 2000 ft., December 1904, wet season (Ockenden).

#### 218. *Bryoptera subnigra* spec. nov.

*Forewing*: white, shaded and striated with olive-grey; the lines black, irregular; first from one-fourth of costa to one-third of inner margin, crinkled and strongly outcurved, preceded by a broad brownish yellow shade; outer line, from

three-fourths of costa to three-fifths of inner margin, irregularly waved and curved to submedian fold, thence vertical, followed by a broad brownish yellow shade; median line thick, outcurved round the blackish cell-spot to below vein 2, thence vertical, followed from vein 6 by an olive-brown cloud filling up the space between it and outer line; submarginal line white, broad and waved, between two interrupted brownish grey shades, the outer one always with a dark blotch on vein 5; dark marginal spots between veins; fringe whitish.

*Hindwing*: with an olive patch at base, the middle line and its accompanying shade broad and straight, reaching vein 6, and preceding the black cell-spot; outer line with a thick olive blotch from submedian interval to inner margin at base of outer line; fringe of inner margin fawn-colour.

Underside smoky olive-black; apex of forewing and fringes paler; inner margin of forewing whitish.

Head, thorax, and two basal segments of abdomen whitish grey; the second segment with a pair of spots on dorsum; abdomen fawn-colour, with a broad blackish lateral stripe; face dark above, pale below; palpi blackish, with the tips white.

Expanse of wings: 40 mm.

3 ♂♂ from Pozuzo, Huánuco, Peru, 800—1000 m. (Hoffmanns) type; 1 ♂ from La Union, R. Huacamayo, Carabaya, Peru, 2000 ft., December 1904, wet season (Ockenden).

#### 219. *Catoria linearia* spec. nov.

*Forewing*: chalk-white, with numerous olive-grey fleecy striae, which are densest along costa and outer margin; the lines olive-grey, blackish on the veins, and starting from black costal streaks, at one-fourth, one-half, and nearly three-fourths; the basal curved to near base of inner margin; the median interrupted below and touching cell-spot above; the outer lunulate-dentate, the teeth black and well-defined throughout, the lunules clear only above inner margin; submarginal line ill-defined, but with grey shades on each side; blackish marginal spots; fringe white.

*Hindwing*: with dark, nearly straight, antemedian and well-defined dentate-lunulate postmedian line; cell-spot black; the rest as in forewing.

Underside of forewing suffused with grey, with a broad cloudy dark-grey marginal border, narrowing downwards, leaving a white spot at apex and a whitish blotch between 3 and 4; cell-spot dark; costa blackish, with pale dotting; hindwing with only the costa grey, and a submarginal band from apex to middle.

Face white, with two black spots; palpi black; vertex, thorax, and abdomen white, with a few grey scales; the tips of the shoulders grey.

Expanse of wings: 48 mm.

Fairly common from Peru, but all ♂♂.

#### 220. *Cymatophora flaviceps* spec. nov.

Like *C. limosa* Dogn. (*Tephrosia*), but always with the vertex and top of face yellow; on the underside both wings have a dark submarginal fascia, sometimes strongly developed, of which there is no mention in the description of *limosa*. As a rule the ground-colour is paler, more grey than in *limosa*.

Expanse of wings: 48 mm. M. Dognin gives 34—38 mm. for his species.



1 ♂ from Pozuzo, Huánuco, Peru, 800—1000 m. (Hoffmanns).

Besides the present example I have seen a ♂ from Charaplaya, Bolivia, and 5 ♀♀ : 2 from Paramba, Ecuador, 2 from Santo Domingo, Peru, and 1 from Lita, Ecuador; the yellow is more developed in the ♀♀, in one case including not only the collar, but the pectus beneath, face, and forelegs.

### 221. *Cymatophora munda* spec. nov.

*Forewing* : in central area pale grey dusted with darker; in basal and marginal areas dark grey, with some pale grey intermixed; the lines limiting the central area whitish; first at one-fourth, oblique outwards to subcostal, there angled and oblique inwards, indented on median vein; outer from three-fourths of costa to two-thirds of inner margin slightly sinuous, parallel to outer margin; a dark cell-spot; submarginal line indicated only by double dark lunules beyond cell and on submedian fold; costa dotted with dark and light; fringe grey.

*Hindwing* : with outer two-fifths dark, limited by a straight pale line; basal area pale grey, with darker central cloud and cell-spot.

Underside similar, but the difference in shade not so marked; apex of forewing pale.

Head, thorax, and abdomen grey.

Expanse of wings : 48 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

Differing from others of the genus by the absence of distinct lines; hindwing with outer margin strongly crenulate.

### 222. *Hymenomima binotata* spec. nov.

*Forewing* : grey, finely dusted with dark atoms, and slightly yellowish-tinged; costa finely dotted with dark, and with dark spots at the rise of the lines; these all marked by black spots on veins, and curved parallel to outer margin; first from nearly one-third of costa to close to base of inner margin; median a little before middle; outer from two-thirds of costa to three-fifths of inner margin, black from vein 2 to inner margin; submarginal line of the ground-colour, the lunules between 4 and 6 filled up with black, and in a less degree those below vein 3; the grey shade following darker spotted below costa; marginal spots black; fringe concolorous with wings.

*Hindwing* : like forewing, but without basal line; the outer line with its shade forming a similar black curved blotch on inner margin.

Underside dark brownish grey in forewing, pale grey in hindwing; both wings with black cell-spots; costa of forewing yellowish striated with dark.

Head, thorax, and abdomen concolorous with wings; dorsal segments of abdomen with pairs of black spots; face black above, pale below; palpi externally black.

Expanse of wings : ♂ 35 mm.; ♀ 40 mm.

3 ♂♂, 1 ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

The ♀ is more uniformly grey, with the markings generally darker, the blotches less conspicuous.

223. *Hymenomima densata* spec. nov.

*Forewing*: whitish entirely suffused with dark fuscous and speckled with darker; lines thick and black; first from one-fourth of costa outcurved above, then inwards to one-sixth of inner margin, preceded by a thick broken shade; outer line from two-thirds of costa to middle of inner margin, angled inwards below costa, then outcurved to vein 2, not dentate, forming a deep inward sinus across submedian interval; median shade obscure, parallel to outer line, passing just beyond the black cell-spot; the outer line is followed by a thick dark shade much mixed with ferruginous; submarginal line sharply lunulate, pale, white just below vein 4, where it is preceded by a black blotch; all the lunules filled up with blackish, over which are sprinkled pale scales; externally the lunules are joined by black dashes with the black marginal lunules, between which the veins are marked with ferruginous; fringe pale at base, mottled heavily with dark.

*Hindwing*: with basal half whiter, containing a thick black basal mark, a straight antemedian black line, and cell-spot; outer half as in forewing.

Underside dull dark grey, with median and outer lines marked strongly with black and thickened on veins, the outer nearly straight, not corresponding with the line above; marginal area of forewing darker, and with a still darker middle shade; hindwing with the shade just marked; cell-spots black.

Head and thorax dark like forewing; abdomen paler, but much mottled with blackish on dorsum, and with a black ring near base.

Expanse of wings: 32—35 mm.

1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden) type; 1 ♂ from Pozuzo, Huánuco, Peru, 800—1000 m. (Hoffmanns).

Near *extersaria* Warr. and *rufata* Warr., darker than either, with no distinct pale patch at middle of outer margin; the outer line not dentate; fovea inconspicuous.

224. *Iridopsis grisescens* ab. *superscripta* nov.

*Forewing*: pearl-grey, without speckling or suffusion, and in consequence with all the lines distinct and not obscured as in the typical form; the two arms of basal line uniting on inner margin; the median line also double, the two arms forming a darker fascia across wing, the space between them being tinged with fuscous; a distinct olive-tawny shade beyond outer line, which is present, though much obscured, in the type; submarginal line indistinct, but followed by a darker shade, which beyond cell is blackish and joined inwardly by two black streaks above and below vein 5 with outer line; marginal spots large and black; fringe grey.

*Hindwing*: still paler, the basal half whitish; all the lines black and distinct; cell-spot large and crescent-shaped, black.

Underside as in the type.

Expanse of wings: 46 mm.

1 ♂ from Huancabamba, Cerro de Pasco, Peru, 6000—10,000 ft. (Böttger), 3 other typical ♂♂ from the same locality, and 1 ♀ from Limbani, Peru, are all of about the same size, and therefore larger than the type which came from Quito; but a second ♀ from Limbani, paler than the rest, agrees in size with the type.

225. *Iridopsis pallescens* spec. nov.

*Forewing*: dull whitish, sprinkled with grey and blackish scales; costa with short vertical brown striae and black dashes at the commencement of the lines; lines black; first from one-third of costa, bent in cell, then sinuous and inwardly oblique to one-fourth of inner margin; outer line from three-fourths of costa, rounded projecting outwards on vein 5, then sinuate inwards to middle of inner margin; median shade indistinct, passing close beyond the discal spot and nearly touching outer line at inner margin; a brown shade preceding inner line and another following the outer; marginal area grey and brown with a whitish waved submarginal line, the apical area above vein 4 slightly darker; black marginal spots between the veins; fringe grey.

*Hindwing*: with basal two-thirds paler; median line very faint; outer line finely black, angled outwards on the cell-fold, then arched to inner margin; cell-spot oval, of white raised scales; marginal area as in forewing.

Underside pearly white; costa of forewing striated and spotted with dark fuscous; a black cell-spot and narrow smoky fuscous blotch at apex, the extremity of which remains white.

Head, thorax, and abdomen greyish white, with some darker speckling.

Expanse of wings: 37 mm.

1 ♂ from Sapucay, Paraguay, September 1904 (Foster).

226. *Iridopsis submarginata* spec. nov.

Indistinguishable above from *I. syrniaria* Guen., except in one particular: the upper part of outer line is not curved obliquely outwards from costa nor forms any projection between 4 and 6, but runs straight and slightly waved from costa to vein 5 as in *chalcia* Oberth. and *rectura* Dogn.

On the underside both wings have a black marginal border, narrowing before middle; the forewing with a large black cell-spot; both wings pure satiny white.

Expanse of wings: 48 mm.

1 ♂ from La Vuelta, Caura River, Venezuela, May 1904 (Klages).

227. *Melanoscia arctiata* spec. nov.

*Forewing*: dark olive-fuscous, with the lines and numerous irregular specklings buff; the veins finely and interruptedly buff: first line nearly vertical, broad, at one-third, preceded by one or two fine broken marks from costa; outer line broad, from apex to two-thirds of inner margin, joined on vein 6 by a short broken streak from costa at five-sixths; a much-interrupted pale median line, plainer above vein 4 and forked to costa, with the inner branch broader; base of veins 2, 3, 4 with some buff speckling; some irregular submarginal buff spots; fringe dark, mottled with buff at the vein-ends.

*Hindwing*: fulvous, black-speckled, with an antemedian and median band, the latter followed by another less strongly marked, dull fulvous; the marginal border broadly olive fuscous; fringe fulvous.

Underside like upper, but all the pale spaces more strongly marked and of the same tint in both wings, yellow buff.

Head, thorax, and abdomen dark fuscous and buff; abdominal segments black tinged with buff; vertex wholly buff; face buff with black centre; antennae buff

with black mottlings; underside of abdomen yellowish buff; legs and palpi fuscous mottled with buff.

Expanse of wings : 30 mm.

2 ♂♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Oekenden).

An unusually marked species, slightly recalling some *Arctidae*.

228. *Physocleora albiplaga* spec. nov.

*Forewing* : blackish fuscous with the space between median and outer lines white; lines black, thick, starting from black costal triangles, the first obscured by the dark basal suffusion, preceded below median by a brown band; median line close beyond basal; outer line from three-fifths of costa to middle of inner margin, nearly vertical to 4, then inbent, followed by a broad brown band; submarginal line grey, lunulate, traversing the middle of the dark marginal area, which is grey again along outer margin; marginal black spots between veins, united by a black line; fringe dark flecked with paler; the white middle band is freckled with dark scales along costa and more broadly above inner margin.

*Hindwing* : similar, but without basal line; the white middle space black-speckled throughout.

Underside blackish fuscous, with cell-spots and outer lines shown; the middle space paler, in the forewing forming a quadrate white blotch below costa.

Head, thorax, and abdomen brownish fuscous; second segment of abdomen with a white ring.

Expanse of wings : 18—20 mm.

2 ♂♂, 2 ♀♀ from La Oroya, R. Inambari, Carabaya, S.E. Peru, 3100 ft., October 1904, wet season (Oekenden), and 1 ♂ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Oekenden).

Allied to *P. martena* Schaus, from Brazil, from which it is distinguished by the white middle space.

229. *Physocleora bella* spec. nov.

*Forewing* : white; the costa black-dotted, blackish from base to first line; lines dark, from three black costal spots at one-fourth, one-half, and three-fourths; first nearly vertical; middle fine, outcurved round the blackish cell-spot; outer line marked by black teeth on veins, angled on vein 6, insinuate in submedian interspace, to two-thirds of inner margin; this line is followed by a broken grey shade below costa and above inner margin, and by a fuscous grey blotch between veins 3 and 4; submarginal line white, ill-defined, between two dark grey diffuse shades; marginal black spots between veins; fringe whitish, chequered with grey beyond veins above middle.

*Hindwing* : without first line; the cell-spot large and round, the postmedian line and shade strongly outcurved beyond it.

Underside ochreous-white; the forewing grey-tinged from base to beyond middle; the marginal border black, preceded by a pale curved space; costa at middle with black dots; fringe ochreous-white; cell-spot black; hindwing with cell-spot black, and a black apical patch.

Head, thorax, and abdomen white, this last ringed with grey and slightly tinged with ochreous; face, palpi, and forelegs black.

Expanse of wings : 21 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden), type; 1 ♂, 1 ♀ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Ockenden); 2 ♂♂, 6 ♀♀ from La Oroya, R. Inambari, Peru, 3100 ft., September—October 1904, dry season (Ockenden); 1 ♂ from La Union, R. Hnacamayo, Peru, 2000 ft., November 1904, wet season (Ockenden); 1 ♂ from Santo Domingo, Carabaya, Peru, 6500 ft., December 1902, wet season (Ockenden); 2 ♀♀ from R. Colorado, Peru, October 1902 (Watkins).

This species seems widely distributed in Peru, but appears to be undescribed; it is most nearly allied to *P. mniophilaria* Guen.

230. *Physocleora bicolor* spec. nov.

*Forewing* : whitish as far as outer line, with a slight grey tinge at base; marginal third lilac-grey, with a rust-coloured band beyond outer line, the submarginal line paler between darker shades; the inner and median lines are rusty-grey and indistinct, both bent in cell, then oblique inwards parallel to outer margin; the outer line is black, slightly toothed on the veins, and angled outwards on vein 6; marginal spots black; cell-spot small, before the median line; fringe grey.

*Hindwing* : without basal line.

Underside pale grey; middle and outer lines dark grey; marginal area smoky blackish, darkest in forewing.

Vertex and thorax pale grey; face and palpi dark brown (abdomen broken).

Expanse of wings : 17 mm.

1 ♀ from Valencia, Venezuela.

231. *Physocleora conspersa* spec. nov.

Forewing whitish, speckled with olive-grey; the three lines at even distances apart and all curved parallel to one another, starting from dark costal spots; the outer line darker than the other two, marked with black dots on veins, and followed by a dull rusty shade, a slight tinge of the same colour preceding first line; submarginal line ill-defined, but preceded and followed by a dark grey shade; the inner shade starting from a fourth dark costal spot; marginal dark spots between veins; fringe grey, spotted with darker; cell-spot inconspicuous.

*Hindwing* : similar, but without first line.

Underside paler; forewing with all the lines and shades thick and blackish; costa blackish at base; cell-spot black; hindwing with the lines finer.

Head, thorax, and abdomen pale grey tinged with rusty.

Expanse of wings : 17 mm.

1 ♀ from Santo Domingo, Carabaya, Peru, 6500 ft., October 1902, dry season (Ockenden).

From the upperside alone this might be taken for a pale form of *ferruginata*, but the undersides are totally unlike.

232. *Physocleora ferruginata* spec. nov.

*Forewing* : whitish, thickly speckled with dark grey; the first line preceded and the outer followed by a rusty band, the median vein and all the nervles towards outer margin also of the same hue; all three lines are indistinct; the

submarginal is pale and waved, the lunules filled up with grey; cell-spot and marginal spots black; fringe rusty grey.

*Hindwing*: without basal line, the other two distinct, blackish; marginal lunules black.

Underside luteous grey; forewing with a blackish cloud before cell-spot, and the marginal area black beyond outer line; fringe brownish grey spotted with black; hindwing with both lines and the cell-spot blackish and a slight submarginal shade.

Head, thorax, and abdomen grey; basal segments of dorsum rusty; face and palpi dark brown.

Expanse of wings: 16 mm.

1 ♀ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Ockenden).

Easily distinguished by the rusty grey coloration.

### 233. *Physocleora flaviplaga* spec. nov.

Exceedingly like *P. bella* described above, differing as follows: the lines are finer, and the grey submarginal shades more concise; instead of the dark fuscous blotch across veins 3 and 4 beyond the outer line there is a dull yellow blotch, and vein 6 is slightly marked with yellow. In the hindwing the postmedian line and shade are nearly straight instead of being strongly outcurved round the cell-spot; the cell-spots are much smaller; lastly, the dorsal segments of abdomen have much darker rings.

Expanse of wings: 21 mm.

1 ♂ from La Union, R. Huacamayo, Carabaya, Peru, 2000 ft., November 1904, wet season (Ockenden).

This agrees well with the description of *P. tascaria* Schaus from Brazil, as regards the upperside; but the undersides are quite different.

### 234. *Physocleora flexilinea* spec. nov.

*Forewing*: pale grey, dusted with darker; costa black-dotted, and with black spots at the beginning of the lines; first and second lines thick and blurred on costa, the first curved inward to touch the fovea, the second enclosing the cell-spot, but more or less obsolete beneath; there are also traces of two short lines from costa close to base; outer line blackish, at two-thirds, vertical to vein 4, then bent inwards to submedian fold, thence again vertical, followed by three olive-brownish blotches, one on the submedian interval, one between 3 and 4, and one on vein 6; between and beyond the last two the praesubmarginal shade forms a double blackish blotch, while the shade following the line is interrupted between 3 and 4; large black marginal spots between veins connected by a black line; fringe pale grey, mottled with dark.

*Hindwing*: without basal line; cell-spot black.

Underside dingy grey, with dark cell-spot and outer line; basal half of wing and marginal area dull fuscous; hindwing paler grey, with all the lines thick and dark.

Head, thorax, and abdomen dingy grey; face blackish.

Expanse of wings: 26 mm.

1 ♂ from Limbani, Carabaya, Peru, 9000 ft., February and March 1904 (Ockenden).

235. *Physocleora grisescens* spec. nov.

In markings agreeing almost precisely with *P. bella*, but the wings, instead of being chalk-white, are whitish grey, densely covered with darker grey striae; the lines and shades all dark grey; only the outer line being marked with black dots on veins; fringe mottled dark and light grey.

Underside like that of *bella*. The dorsal segments of abdomen are much darker grey.

Expanse of wings: 22 mm.

3 ♂♂, 2 ♀♀ from Santo Domingo, Carabaya, Pern, 6000 ft., November—December 1902, wet season (Ockenden); and 1 ♂ from R. Inambari, Carabaya, Pern, 6000 ft., November 1901, wet season (Ockenden).

236. *Physocleora pulverata* spec. nov.

*Forewing*: whitish dusted with grey, most thickly along costa and outer margin; lines starting from dark grey costal spots at even distances apart, and curving parallel to one another, marked by dark grey spots on veins, and generally interrupted below middle; cell-spot dark grey; submarginal line pale grey, very obscure; black marginal dots between veins and an interrupted fine black marginal line; fringe chequered pale and dark grey.

*Hindwing*: with the lines and cell-spot plainer.

Underside of forewing clouded with dark smoky grey for two-thirds; the marginal border blackish, preceded by a pale curved space; fringe white; cell-spot blackish: hindwing white, with the apex narrowly dark; cell-spot small, black.

Head, thorax, and abdomen whitish; forelegs fuscous in front.

Expanse of wings: ♂ 22 mm.; ♀ 24 mm.

1 ♂, 1 ♀ from Oconeque, Carabaya, Pern, 7000 ft., July 1904, dry season (Ockenden).

The ♀ is rather more plainly marked, showing the outer line double, and the white of the underside clearer.

237. *Physocleora pygmaeata* spec. nov.

*Forewing*: dirty whitish, irregularly dusted with blackish atoms; lines very indistinct, marked in places by black dots on veins and rising from grey costal spots; cell-spot blackish, distinct; outer line followed by a slight rusty brown shade; submarginal line diffuse, preceded in costal half only by a dark grey shade, the marginal area beyond it dark grey throughout; marginal spots black; fringe dark grey.

*Hindwing*: with the lines rather plainer; the marginal area scarcely darker.

Underside of forewing dark grey from base to beyond cell-spot, followed by a pale grey interval before the dull black marginal border: hindwing pale, with the marginal border narrower; cell-spots blackish; fringes pale.

Head, thorax, and abdomen whitish, speckled with dark.

Expanse of wings: 12 mm.

1 ♂ from La Union, R. Huacamayo, Carabaya, Pern, 2000 ft., November 1904, wet season (Ockenden).

238. *Physocleora subochrea* spec. nov.

*Forewing*: cream-colour, tinged with ochreous; the lines very faint, pale brown, starting from grey spots on costa, the outer line marked also by grey spots on veins 1, 3, and 4, and followed by a pale brown shade; cell-spot and marginal spots grey; fringe ochreous.

*Hindwing*: with cell-spot darker; the outer shades somewhat plainer.

Underside of forewing greyish ochreous, of hindwing cream-colour, without any markings except the grey cell-spots.

Head, thorax, and abdomen like wings; face and palpi dark brown; a brown spot on anal segment of dorsum.

Expanse of wings: 19 mm.

1 ♂ from Castro, Parana, S.E. Brazil, October 1902 (E. D. Jones).

239. *Physocleora taeniata* spec. nov.

*Forewing*: white, towards base and along costa tinged with smoky fuscous, and with a few dark speckles; basal line curved, blackish, sometimes interrupted; median line marked only by a blackish spot on costa above the black cell-spot; outer line black, with black teeth on veins, outcurved from vein 7 to submedian fold below cell-spot, and followed by a broad brown outwardly dentate and dark-edged band; submarginal line white, irregularly waved, preceded by a row of contiguous black wedge-shaped spots between veins and followed by a dark grey shade which is partially interrupted between 3 and 4; marginal spots black; fringe dark grey, flecked with pale.

*Hindwing*: without first line; cell-spot black and large.

Underside of forewing diffusely black to cell-spot; marginal area beyond the black outer line black; space between white: hindwing white with round black cell-spot: a slight dark antemedian line, and macular postmedian and submarginal lines; veins towards hindmargin dark, blotched towards apex.

Face, palpi, and forelegs blackish; vertex, thorax, and abdomen dark grey, the abdomen ringed with blackish; anal tuft ochraceous and fuscous.

Expanse of wings: 22 mm.

1 ♂ from Santo Domingo, Carabaya, Peru, 6000 ft., March 1902, wet season (Ockenden), type; 1 ♂ from La Oroya, R. Inambari, Carabaya, S.E. Peru, 3100 ft., October 1904, wet season (Ockenden).

Larger, darker, and more strongly marked than *P. punctilla* Schaus, to which it is nearly allied.

240. *Stenalcidia castaneata* spec. nov.

*Forewing*: pale pearly grey; costa finely dotted with blackish, and with black spots at the rise of the lines; lines black; first from one-fourth of costa, sharply angled on subcostal vein, then curved inwards to inner margin close to base; outer line from beyond two-thirds of costa to three-fifths of inner margin, lunulate-dentate, angled on vein 6, then curved parallel to outer margin; the inner line is preceded below median vein, and the outer followed to vein 7 by a band of chestnut-brown contiguous blotches on a creamy ground; median line obscure and interrupted, starting from a dark costal spot and approaching outer line towards inner margin; submarginal line sharply toothed, the teeth above middle filled up



with black, indistinct below; black marginal spots between veins; fringe cream-colour, tinged with brown.

*Hindwing*: the same, without basal line, the brown fascia only reaching vein 6.

Underside of forewing uniform dark grey, of hindwing dull white with a dark grey costal stripe; marginal lines dark; fringes white; costa of forewing ochreous dotted with black.

Head, thorax, and abdomen grey; face black above, pale below; palpi black with white tips; metathorax and second and third segments of dorsum chestnut brown; anal segment with a black spot.

Expanse of wings: 32 mm.

4 ♂♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

The colouring is like that in *Isandria venusta* Warr., but the tints are differently disposed.

#### 241. *Synecta latilinea* spec. nov.

*Forewing*: chalk-grey, with a slight bluish tinge; lines thick, dark slaty grey; first from one-fifth of costa, bent in cell, incurved to close to base of inner margin; median from costa just before middle to one-third of inner margin, outcurved above, angled below vein 2, where it all but touches outer line, then inwardly oblique; outer line from nearly three-fourths of costa to three-fifths of inner margin, sinuous, angled outwards on vein 4 and again on vein 1, above which it is insinuate; submarginal line interrupted from 3 to 4; apical region slightly tinged with slate-colour; fringe slaty grey.

*Hindwing*: without basal line; the antemedian straight; the rest as in forewing.

Underside dull smoky cinereous, the basal half slightly paler.

Face and palpi black edged with yellowish; vertex, collar, shoulders, and basal segment of dorsum yellow; patagia pale; thorax and abdomen slaty grey; antennae grey; legs luteous grey; hair pencil of hindlegs luteous.

Expanse of wings: 26 mm.

1 ♂ from Cananche, Cundinamarca, Colombia, June 1903 (de Mathan).

Remarkably like *Physocleora capruma* Schaus from Brazil in several points, but altogether different in others.

#### 242. *Stenotrachelys excurvaria* spec. nov.

*Forewing*: dirty whitish, in the basal and marginal regions suffused with fuscous mixed with pale ferruginous, and with the central field merely speckled with fuscous and washed with brownish along costa; lines blackish; first from before one-third of costa, sharply angled inwards above and outwards below the subcostal vein, then curved inwards to one-fifth of inner margin, preceded by a fuscous line; outer line from beyond two-thirds of costa to two-thirds of inner margin, angled outwards on vein 8 and inwards on vein 7, then outcurved parallel to outer margin to submedian fold, followed by a dark line; median line cloudy, running outside the dark cell-spot and approximated to outer line from below vein 3; submarginal line lunulate, the lunules filled up with darker fuscous, the line itself very faint; veins pale ochreous towards outer margin; marginal line black, crenulate; fringe fuscous, spotted with black beyond veins.

*Hindwing* : similar, but without first line.

Underside duller and greyer; cell-spots and outer lines blackish; marginal area darker, especially towards apex of forewing.

Head, thorax, and abdomen like wings; face and palpi black.

Expanse of wings : ♂ 44 mm.; ♀ 50 mm.

2 ♂♂, 1 ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden), and 1 ♀ from Agnalani.

#### SUBFAMILY SELIDOSEMINAE.

##### 243. *Callipseustes bivittata* spec. nov.

*Forewing* : dark olive; the costa with faintly paler and darker striae; a black obscure cell-spot; two pale converging bands, the inner from one-fourth of costa oblique outwards to one-third of inner margin; the outer from beyond three-fourths of costa oblique inwards to three-fourths of inner margin; the first band whitish in outer half, buff in the inner, with a darker line between; the outer band reversely coloured, the buff half wider; marginal area above anal angle paler and greyer, with a double black blotch above it along vein 4; submarginal line white and fine, visible only at costa and above inner margin; fringe concolorous.

*Hindwing* : dull luteous whitish, tinged with greyish olive at base, with a dark cell-spot, a dark straight olive line from above anal angle to vein 6, with dots on veins, and some dark anal striae; fringe olive-grey.

Underside of forewing olive-fuscous, with the pale bands showing through from below costa, especially the outer one: hindwing olive-ochreous speckled with blackish, with outer line of vein-spots; cell-spots black in both wings.

Head, thorax, and abdomen deep olive; anal tuft ochreous.

Expanse of wings : 30 mm.

1 ♂ from Cushi, Hnáuuco, Peru, 1900 m. (Hoffmanns).

##### 244. *Callipseustes convergens* spec. nov.

♂. *Forewing* : brownish grey, with darker speckles and striae; first line straight and oblique, from before one-third of costa to quite two-fifths of inner margin; second from two-thirds of costa to three-fifths of inner margin, the two lines converging; the space between dark fuscous, containing a black cell-spot, and edged on each side by a narrow white line, the outer followed by a broad whitish space; submarginal line pale, indistinct, bluntly angled on vein 4 and preceded by a dark brown shade; lower half of marginal area pale, edged inwardly by dark brown, and separated from the dark upper half by a dark fuscous conical streak along vein 4; fringe shining brownish.

*Hindwing* : whitish, tinged with grey-brown along inner margin, and slightly along outer margin; a dark outer line from above anal angle to vein 6 preceded by a dark cell-spot; a short dark streak at anal angle; fringe glossy grey.

In the ♀ the forewing is more unicolorous grey-brown, the central area hardly darker than the rest, and much broader on inner margin, its outer white edge not followed by a pale space: the hindwing more thickly sprinkled with grey-brown.

Underside duller, with the markings obscure; the outer line followed by a series of dark spots on veins.

Head and thorax concolorous with forewing; abdomen paler, like hindwing.

Expanse of wings : ♂ 26—30 mm.; ♀ 34 mm.

3 ♂♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden); 1 ♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Oekenden).

245. *Callipseustes hocina*.

*Eilicrinia hocina* Dogn., *Ann. S. E. Belg.* xliii. p. 252, ♂ (1899).

Three ♂♂ of this species from Oconeque, Carabaya, Peru, collected by Oekenden in July 1904, and 2 ♂♂ from Cushi, Huáncoco, Peru, collected by Hoffmanns, have lately been received. Along with them came 2 ♀♀ from Limbani, Carabaya, Peru, 9500 ft., collected by Oekenden in May of the same year, which differ from the ♂♂ in having the forewing more unicolorous grey-brown, with the central area hardly darker than the rest of the wing and much broader on inner margin, its outer white edge not followed by a pale space; the hindwing is also more thickly sprinkled with grey-brown.

These Peruvian examples would seem to be somewhat larger than the typical; the ♀♀ expand 33 mm., the ♂♂ varying from 26—30 mm. M. Dognin gives 22 mm. for his ♂♂ from Ecuador.

246. *Callipseustes latiorata* spec. nov.

*Forewing*: like *pullaria* Dogn. in coloration and markings, but the dark fascia is twice as wide, its outer edge starting from beyond middle of costa, with a less prominent, more broadly rounded, projection below middle, the dark cell-spot being contained in the fascia and not standing beyond its outer edge; the basal area is nearly as dark as the central, especially in the ♂♂, which have the marginal area in both wings paler grey, with strong fine black striations, forming in the hindwing a cloudy submarginal shade.

Expanse of wings: ♂ 25 mm.; ♀ 26—32 mm.

3 ♂♂, 2 ♀♀ from R. Colorado, Peru, 2500 ft., August—September 1902 (Watkins); and 1 ♀ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Oekenden).

247. *Callipseustes peninsulata* spec. nov. and ab. *continens* nov. and ab. *conferta* nov.

*Forewing*: pale olive-green, striated with black; these striations are more abundant in the basal and lower marginal areas; costal striae denser and more regular; an irregular dark olive fascia just before middle, with a continuous white edging; the edges start from costa at one-third and one-half, and unite above middle of inner margin; the inner edge forms a slight indentation into the fascia above and below median vein; the outer is indented in cell and projects strongly on vein 4, bisinuate inwards below; the inner edge is preceded and the outer followed by a broad pale flesh-coloured band; basal patch represented by an indefinite dark olive blotch on inner margin; an interrupted pinkish white submarginal line followed by three black blotches above veins 2, 3, and 4, with patches of black striae beyond them; fringe olive-green, darker beyond veins; cell-spot blackish, placed on the outer edge of fascia.

*Hindwing*: cream-colour, speckled with grey, below the costal area washed with olive-ochreous; a dark grey cell-spot, crenulate outer line not reaching above

vein 6, and submarginal series of spots on veins; some dark grey striae along inner margin; fringe dark grey.

Underside olive-ochreous, with a more or less uniform fawn-coloured tinge, and speckled with fuscous; an outer row of dark vein-dots on both wings and distinct black cell-spot on hindwing, the dark fascia of forewing showing through; fringe greenish fawn, with dark chequering.

Head, thorax, and abdomen olive-green, the abdomen greyer, the dorsum darker, and anal tufts ochreous.

Expanse of wings: 28 mm.

2 ♂♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns), type, both in perfect condition; and 1 ♂ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden), somewhat faded, with all the pale markings whiter, the fascia rather broader, touching inner margin, and without the white linear edging.

ab. *continens* nov.

Differs in having the fascia much broader, especially above, the inner edge straight below median, the outer evenly lunulate; no white edging line, but the flesh-coloured band well marked; submarginal line marked with pale only at costa.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

ab. *conferta* nov.

Still darker than *continens*; the flesh-coloured bands almost obscured by the deep olive suffusion and dark striae: hindwing wholly dark fuscous olive, with dense dark striae; the outer line visible, and edged with paler.

Underside fawn-colour only along costa of forewing, the rest olive-ochreous, densely packed with olive-fuscous striae.

Head and thorax olive; abdomen fuscous-olive.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

The range of aberration in this insect appears considerable, and may possibly include even the very differently marked and distinct-looking *bicittata* described above.

248. *Callipseustes semifimbriata* spec. nov.

*Forewing*: remarkably resembling that of *C. peninsulata* ab. *continens*, but the fascia still broader, and paler olive in colour, the dark striations and cell-spot showing through it, the basal and submarginal areas being nearly as dark olive.

*Hindwings*: smooth, olive-ochreous grey, black-speckled towards base only, except in one instance, where the speckling is general and an outer line is present; the wing has a thick fleshy appearance, the outer margin showing a tendency to curve underneath, and being entirely destitute of fringe.

Underside of forewing olive fawn-colour, with a bent postmedian ochreous-yellow band between veins 6 and 2, edged by the black dots of outer line above middle: hindwing clothed throughout with olive-ochreous or rufous mealy scales, slightly black-speckled near base, and with a black cell-spot.

Head, thorax, and abdomen olive-green.

Expanse of wings: 32—34 mm.

4 ♂♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

249. *Callipseustes trisecta* spec. nov.

*Forewing*: pale greenish ochreous (perhaps olive-green when fresh) with darker olive striations; a dark olive central fascia, occupying on costa the middle third of the wing, its inner edge oblique and nearly straight to beyond middle of inner margin, its outer parallel to inner edge as far as vein 4, there bent nearly at right angles and running vertically to inner margin at three-fourths; the fascia is finely edged on each side with whitish; two dark horizontal marks before outer margin on each side of vein 4; fringe (worn) greenish.

*Hindwing*: pale greenish ochreous, greener in basal area before the dark flexuous outer line; cell-spot dark grey.

Underside dingy ochreous speckled with olive, with outer series of dark vein-spots, and a dark cell-spot on each wing, the fascia showing through.

Head, thorax, and abdomen dull olive, the anal tufts ochreous.

Expanse of wings: 22 mm.

1 ♂ from Ciudad de Tucuman, April 1903 (Monetti).

250. *Ischnopteris albipennis* ab. *obumbrata* nov.

Differs from the type form in having no white scales whatever in forewing; the basal and marginal areas wholly dull grey-green; the central area filled with dull red-brown, which tint also extends over the lower half of the marginal area and is sometimes mixed with green.

In the hindwing the inner margin below median vein and vein 2 is smoky black, and the marginal border thicker and blacker, containing on its inner edge a distinct curved black line; the veins black in the white area.

Head, thorax, and abdomen pale green; anal tuft yellowish.

Expanse of wings: 39 mm.

2 ♂♂ from La Oroya, R. Inambari, Peru, 3100 feet, September 1904, dry season (Oekenden).

Smaller than the type and differing in both wings: it may be a distinct species.

251. *Ischnopteris discolor* Warr. ♂.

The ♀ only was described in *Noe. Zool.*, xi. p. 557; the ♂ differs as follows:

*Forewing*: dark mossy green in basal and marginal areas; central area, except along costa, dark purplish fuscous; a broad band before submarginal line diffusely purplish red; first line from one-fifth of costa to one-third of inner margin, angled outwards on subcostal vein and submedian fold and again close above inner margin, preceded by a line of greenish white scales; outer line from three-fifths of costa to two-thirds of inner margin, sinuous, oblique outwards and broadly rounded at vein 5, deeply insinuate in submedian interval, and again outwardly rounded on submedian vein, followed by a pale green line, mixed with whitish scales below; submarginal line pale green, forming zigzags at costa, and an upright whitish mark at anal angle, interrupted between; marginal lunules black; fringe mossy green; cell-spot black; before it from middle of costa a thick dark median line can be seen, angled outwards on median and approaching outer line on inner margin.

*Hindwing*: ochreous, tinged with grey, gradually darkening to outer margin; cell-spot obscure, followed by a dark curved postmedian line, bent in on vein 4;

a diffuse dark submarginal shade ; marginal line black, lunular ; fringe olive-yellow.

Underside exactly like that of the ♀.

Head, thorax, and abdomen dark green, on basal half of abdomen mixed with reddish grey ; beneath, the basal half is pale yellow-ochreous, the anal half dark fuscous ; antennae ferruginous, green at base.

Expanse of wings : 52 mm.

1 ♂ from Limbani, Carabaya, Peru, 9500 feet, April 1904, dry season (Oekenden).

### 252. *Ischnopteris inconspicua* spec. nov.

*Forewing* : dull grey-green, dusted with darker ; markings darker, but all very obscure ; first line oblique outwards from one-fifth of costa to one-third of inner margin, angled sharply outwards on subcostal vein and submedian fold ; median line at one-third and outer just beyond and before middle, both oblique outwards and crenulate to middle of wing, then oblique inwards, but their lower course is very much obscured ; submarginal line whitish, waved, with a darker green shade preceding it, and forming a white spot on costa ; fringe worn, grey-green.

*Hindwing* : dull smoky grey, with dark cell-spot and dark curved postmedian and submarginal shade.

Underside pale luteous, dusted with grey-green, with grey submarginal shade and cell-spot.

Head, thorax, and abdomen grey-green ; dorsal tufts blackish ; forelegs dark fuscous, with the joints ochreous.

Expanse of wings : 40 mm.

2 ♂♂ from Sapucay, Paraguay, October 1904 (Foster).

Intermediate between *I. xylinata* Guen. and *I. zurra* Dogn., agreeing with the former in markings of forewing, and with the latter in the coloration of hindwing.

### 253. *Ischnopteris ornata* spec. nov.

*Forewing* : moss-green at base, moss-green mixed with pink in marginal half ; a broad fascia before middle olive-fuscous ; its inner edge oblique outwards from one-fourth of costa to one-third of inner margin, angled below median ; outer edge from middle of costa to middle of inner margin, indented in cell, and projecting in middle, edged by a pale green line, and on costa by a white spot ; cell-spot black ; submarginal line whitish, diffuse, indented from 5 to 3, preceded by darker blotches at costa, beyond cell, and above inner margin ; the pink coloration is mainly disposed along the two folds and immediately beyond the submarginal line ; large dark marginal spots between veins ; fringe olive flecked with pink ; in the outer half of the dark fascia there is visible a still darker thick median shade.

*Hindwing* : yellow ; inner margin below median vein dark olive, ending in a large blackish green anal blotch reaching vein 6, containing traces of a dark postmedian line, marked in one case on costa as well ; fringe yellow in upper half of wing, fuscous in lower.

Underside yellow ; forewing with costa and apex dull reddish ; an oblique median and broader subapical blackish band ; a small yellowish marginal blotch below apex ; inner margin lustrous grey ; hindwing black-speckled, with cell-spot and diffuse narrow submarginal band.

Head, thorax, and abdomen green varied with darker green; tufts of metathorax and dorsum reddish grey.

Expanse of wings: 44—48 mm.

2 ♂♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

Related to *I. chryses* Druce, but much handsomer.

#### 254. *Ischnopteris stenoptila* spec. nov.

*Forewing*: very narrow and elongate, three times as long as broad, lilac-grey, the basal, apical, and anal areas ochreous darkened by olive-brown striations; basal area especially thickly dark speckled, edged by a blackish outwardly crenulate line from one-fifth of costa oblique to one-third of inner margin, above which it forms a dark point; outer line fine; blackish, from middle of costa, oblique outwards to vein 4 at three-fourths from base, then lunulate-dentate inwards to middle of inner margin, but interrupted between 4 and 2 by the lilac-grey ground, which runs out between those veins to outer margin; at costa and inner margin this line is followed by cloudings of olive-brown striae, continued diffusely to outer margin; no distinct submarginal line, but a black oblique streak from below apex to vein 6; a dark olive-brown spot on costa before middle and a blotch in middle of submedian interval indicate the median shade; veins generally dotted with dark olive-brown; dark marginal spots between veins; fringe concolorous.

*Hindwing*: deep orange, with a large irregular black blotch at anal angle ending squarely towards apex at vein 4; a slight dark mark on costa before apex and small cell-spot; fringe orange.

Underside of both wings orange; the hindwing marked as above, the forewing with a larger blotch from anal angle not reaching costa but preceded beyond cell by a short black streak, and with the black blotch in the submedian interval; costa and apex of forewing pinkish fawn-colour with dark striae.

Head, thorax, and abdomen like wings; legs fawn-colour, the tarsi mottled with black.

Expanse of wings: 52 mm.

1 ♀ from Onaca, Santa Marta, June—August (Eugelke).

The outer margin of forewing is deeply crenulate, and the antennae are quite three-fourths as long as the wing. The long narrow wings will distinguish the species.

#### 255. *Ischnopteris versipennis* spec. nov.

*Forewing*: almost precisely the same as in *I. projectata* Warr.; the basal patch, central fascia, and marginal third all dull reddish fuscous; the bands on each side of fascia, and the submarginal line, especially at its extremities, green; the outer edge of fascia forming the same outward projection below median vein.

*Hindwing*: like that of *I. chryses* Druce, black with a broad bright yellow apex.

Underside of both wings like that of *chryses*.

Head and thorax mixed blackish and dark green; abdomen dark cinereous, with the dorsal crests well marked; abdomen below dull ochreous; pectus greenish ochreous; legs mottled black and ochreous.

Expanse of wings: 52 mm.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 feet, October 1904, wet season (Ockenden).

**Mimomma** gen. nov.

Like *Oenoptila* Warr., but the forewing of the ♂ has a large triangular scale-covered fovea at base, the median vein being upcurved above it: in the type-species the inner margin of forewing is convex; the outer margin of hindwing bluntly elbowed at middle, the margin above the elbow convex, below it straight; the anal angle squared; the costa at base is shouldered, covering the fovea.

Antennae filiform, scarcely pubescent; palpi porrect, slender, like those of *Mimoprora* Warr., but shorter; hindtibiae much swollen, containing a pencil of hairs, with two short terminal spurs and one, rather longer, middle one; a peculiarity, as far as I know, unique among the *Selidoseminae*.

Nervation: forewing, cell longer than half of wing; discocellular vertical, faintly concave; median and subcostal veins both slightly inflexed at extremity; first median nervule at one-half, second at seven-eighths; lower radial from a little above middle of discocellular, upper from upper end of cell; 7, 8, 9 stalked from the bend in subcostal; 10 and 11 apparently out of 12; at all events, in the unique specimen I cannot detect a trace of either rising from cell and anastomosing with 12: hindwing, costal and subcostal approximating so closely at middle of cell as to appear to anastomose; 3 and 7 from just before end of cell.

Type: *Mimomma ochriplaga* spec. nov.

The type-species superficially resembles *Petelia purpurea* Warr.

256. **Mimomma ochriplaga** spec. nov.

*Forewing*: ochreous, much suffused with brown, the basal and subcostal regions palest; costa distinctly brown; first line outcurved above and below median vein, from one-fourth of costa to one-third of inner margin; outer line from three-fourths of costa to two-thirds of inner margin, angled outwards on vein 4, inwards on vein 2, thence vertical, marked by black pale-tipped spots on veins; lower half of the central space brown, containing an obscure central shade, which is plainer in the paler costal half, beyond the distinct round black cell-spot; marginal area brown, except at apex, and just beyond outer line on inner margin; small black marginal spots at the ends of the veins; fringe brown.

*Hindwing*: brown, with the apical fourth ochreous, except at the actual apex, which is brown; cell-spot round and black; outer line as in forewing.

Underside ochreous; the cell-spots large and black; outer line marked in forewing only; outer margin brown, complete in forewing, restricted to apex in hindwing; fringe brown.

Head, outside of palpi, and antennae brown; thorax ochreous; abdomen ochreous, with the dorsum brown.

Expanse of wings: 23 mm.

1 ♂ from Tinguri, Carabaya, Peru, 3400 feet, August 1904, dry season (Ockenden).

257. **Numia timandrata** spec. nov.

*Forewing*: dull grey-green, speckled with dull purple, especially the costal edge; an outer straight darker green oblique line from three-fourths of costa to three-fifths of inner margin; a brown spot near base of cell; cell-spot white; fringe deeper green.

*Hindwing*: with white cell-spot and central dark line.



Underside paler green, with outer lines marked darker, but curved, and not corresponding to those of upperside.

Head, thorax, and abdomen dull green; face and palpi with a slight rufous tinge; basal joint of antennae white, the shaft and plumes black and white.

Expanse of wings: 26 mm.

1 ♂ from between S. Cruz de la Sierra and S. José de Chiquitos, Bolivia, end of July 1904 (Steinbach).

258. *Enoptila radiata* spec. nov.

*Forewing*: dull orange-fulvous, almost wholly obscured by lilac-brown suffusion and with coarse scattered black scales: the suffusion is deepest along the margins and along the course of the three lines, and the space between veins 3 and 4; the orange-fulvous ground-colour being restricted to the cell and space beyond, and a submarginal band; first line at one-fourth, vertical, outwardly angled above and below median, the inward angles on the veins marked by black spots pale-tipped towards base; outer line from three-fourths of costa to four-fifths of inner margin, outcurved in middle, marked by distinct black vein-spots outwardly white-tipped, followed by a thick lilac-brown shade; a thick, nearly vertical lilac-brown shade dentate-lunulate outwards, beyond the large black cell-spot; fringe lilac-brown in basal half, paler in outer half, formed of long-stemmed trifid-pointed scales.

*Hindwing*: similar, without inner line, with the fulvous ray through cell to margin conspicuous.

Underside paler and duller, with a dark submarginal shade and black cell-spots.

Head, thorax, and abdomen like wings.

Expanse of wings: 48 mm.

1 ♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden).

Near to *Æ. subconfusa* and *subfasciata* Warr., but larger.

259. *Enothalia auropurpurata* spec. nov.

Closely resembles *Æ. nummifera* Warr., but always smaller; in the forewing the large yellow spot below the cell in the submedian interval and the smaller one above anal angle are quite wanting; in the yellow blotch beyond cell, which is round and well-defined, the outer line in its passage through it forms a central dark spot; on the underside the yellow areas are ampler; in the forewing the costal space above median vein is yellow for two-thirds from base; in the hindwing the whole basal two-thirds is yellow.

Expanse of wings: 28 mm.; *Æ. nummifera* expands 40 mm.

3 ♀♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., October 1904, and March 1905, dry season (Ockenden).

No ♂♂ have as yet been received.

260. *Enothalia nigriceps* spec. nov.

*Forewing*: dingy fawn-colour, with fine and dense dark striations; the costa narrowly black-brown; the two lines marked merely by black white-tipped spots on the veins; the inner at one-fourth, the outer from costa just before apex

to two-thirds of inner margin, angled outwards on vein 4; the white spots on vein 1 are enlarged; that in the outer series reaching inner margin; cell-spot and marginal spots small and black; fringe concolorous.

*Hindwing*: similar, but without first line.

Underside greyish white, paler in hindwing; dark diffuse submarginal shades, containing an obscure outer line; cell-spots black.

Thorax and abdomen concolorous with wings; head, palpi, and antennae black, shoulders whitish.

Expanse of wings: 26 mm.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

Distinguished by the black head and dark costa; otherwise it is much like *E. inornata* Warr. from Brazil.

#### 261. *Sphacelodes brunneata* spec. nov.

*Forewing*: pale lilac-grey, suffused, except along outer margin, with dull purplish grey, and covered with fine and long dark striations, which in places become partially confluent; lines dark olive-brown, thick; first from before one-fourth of costa to one-fourth of inner margin; second from two-fifths of costa to middle of inner margin, slightly bent outwards; third from three-fourths of costa to shortly before anal angle, incurved below costa and straight from below 6, followed by a paler line; cell-spot olive-brown; beyond the pale line some irregular olive-brown shades with ragged edges expanding above vein 6 and running into apex; a fine dark marginal line; fringe grey, with the tips and a basal line paler.

*Hindwing*: olive-brown, with some dark striae and two slightly paler diffuse bands of dull flesh-colour, postmedian and submarginal; outer margin deeper brown; marginal line interrupted at veins; fringe brown with pale base; cell-spot white.

Underside bluish grey, speckled with fine black atoms; the forewing iridescent blue below median vein; a broad purplish-brown marginal border; fringe and extreme outer margin of forewing bluish grey; fringe of hindwing brown.

Head and abdomen pale grey; thorax purplish grey; antennae and (apparently) vertex white; pectus, legs, and abdomen beneath cream-coloured.

Expanse of wings: 44 mm.

1 ♀ from Santa Lucia (Branch).

Quite distinct from any of the forms of *Sph. vulneraria* Hüb.

#### 262. *Thysanopyga brunneonotata* spec. nov.

*Forewing*: pale grey, thickly striated with dark grey; the lines dull reddish-brown, thick and diffuse, indistinct above subcostal vein; first slightly curved at one-fourth; second before middle nearly straight, with a slight bend on median; third waved from two-thirds of costa to three-fourths of inner margin; marginal area broadly red-brown; a waved blackish line from costa before apex to below vein 6, the space included with some whitish scales; cell-spot black; fringe grey-brown.

*Hindwing*: without inner line, and with the cell-spot white and distinct.

Underside dull pale grey, with a diffuse darker border to both wings.

Head, thorax, and abdomen reddish brown ; the patagia mixed with grey ; anal segments of abdomen and underside grey ; fillet and antennae white.

Expanse of wings : 39 mm.

1 ♀ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., October 1904, wet season (Ockenfen).

263. *Thysanopyga strigata* spec. nov.

*Forewing* : pale stone-grey, with rust-coloured transverse striae, which are darker and more fuscous along costal edge ; the inner and median lines are very obscure, consisting only of aggregations of striae ; the first, at one-fourth, is angled in cell ; the median passes over the black cell-spot ; outer line sinuous, black, from three-fourths of costa to two-thirds of inner margin, indented on each fold, and followed by an interrupted brown cloud ; submarginal line pale, but ill-defined ; beyond it the striae are more fuscous ; marginal dots black ; fringe grey.

*Hindwing* : with an inconspicuous pale cell-spot ; the marginal area and the median shade rust-coloured ; outer line dark only on inner margin.

Underside dull creamy-whitish ; cell-spots black ; traces of clondy submarginal bands.

Head, thorax, and abdomen pale grey : antennae fuscous.

Expanse of wings : 30 mm.

1 ♂ from Ciudad de Tucuman, Argentina, April 1903 (Monetti).

SUBFAMILY SCOTOPTERYGINAE.

264. *Catascia terranea* spec. nov.

*Forewing* : whity-brown, dusted with darker in marginal fourth, suffused with dull brownish fuscous in the basal three-fourths, and striated with darker, the striae clearer along costa ; an indistinct brown shade outcurved at one-third, and traces of another nearer base ; edge of the dark area from costa at three-fourths, straight and vertical to vein 4, there angled and incurved to four-fifths of inner margin ; the space between the two shades somewhat deeper fuscous and with a large clondy cell-mark ; a submarginal shade from costa before apex to vein 6 ; obscure marginal dark spots between veins ; fringe concolorous.

*Hindwing* : paler, with a diffuse curved line at three-fourths, the marginal area still paler ; a small dark cell-spot.

Underside pale greyish ochreous, speckled with fuscous, with the outer line thick and lunulate on both wings ; the submarginal shade represented on costa of forewing ; cell-spots grey.

Head and thorax dark fuscous ; abdomen paler.

Expanse of wings : 40 mm.

1 ♂ from Cuernavaca, Mexico, September 1904 (Dr. Gadow).

A dingy-looking insect, recalling *haydenata* of North America.

SUBFAMILY FIDONINAE.

*Hemicopha* gen. nov.

*Forewing* : broad ; costa straight, curved only at base and before apex ; outer margin curved, as long as inner margin.

*Hindwing* : triangular : in ♀ with apex rounded and anal angle squared : in

♂ aborted, quite narrow, with a semi-cleft sinus in outer margin and the neuriation distorted.

Antennae of ♂ thickened, with two rows of tuberculated fascicles of cilia, of ♀ simple; palpi shortly porrect, thick and blunt, rough-scaled; tongue and frenulum present; forehead prominent.

Neuriation: forewing, cell less than half the length of wing, broad; discocellular biconcave outwards: first median nervule at four-fifths, second from close to third; lower radial from the angle of discocellular, above its middle, upper from upper angle of cell: 7, 9, 10, stalked, 8 apparently missing: 11 free, approximating to and sometimes touching 12 at a point: hindwing of ♀ with costal anastomosing with subcostal for nearly whole length of cell; 6, 7 stalked; medians as in forewing; no radial; of ♂ with costal and subcostal anastomosing to three-fourths of wing, where they separate into two down-curved nervules; median vein straight to the marginal sinuation, which is almost a cleft, no median nervules visible, nor discocellular; submedian fold well developed; vein 1 short.

Type: *Hemicopha xanthomelaena* spec. nov.

This partial abortion of the neuriation in hindwing is, I believe, unique in the *Fidoniinae*.

#### 265. *Hemicopha xanthomelaena* spec. nov. and ab. *praefulvata* nov.

*Forewing*: dull fulvous; the basal third, the inner margin, and the outer margin beyond outer line purplish-black, the apex itself dull fulvous; in the basal dark area is a curved dark line, and another parallel to it in middle, beyond a dark cell-spot; in the ♂ this dark suffusion is much reduced and thinner, being confined to the inner margin and a narrow shade beyond outer line, and the three lines are clear, waved, and brown, the cell-spot remaining black; fringe dark beyond the dark shading, fulvous towards apex.

*Hindwing*: wholly dull purplish black with two darker waved lines beyond middle, and a dark cell-spot; in the ♂ these are hardly visible.

Underside dull black; forewing with two bright yellow spaces, one fascia-form in middle, not reaching inner margin, the other at apex; the yellow area is larger in the ♂, extending along costa nearly to base; hindwing in ♂ dusted with yellow.

Head, thorax, and abdomen all dark; the palpi, base of antennae, and collar fulvous-tinged, more conspicuously in ♂.

Expanse of wings: ♂ 22 mm.; ♀ 24 mm.

2 ♂♂, 3 ♀♀; the ♀♀ and 1 ♂ from R. Huacamayo, Carabaya, June 1904, and 1 ♂, much worn, from La Oroya, R. Inambari, S.E. Peru, September 1904, all in the dry season at 3100 ft. (Ockenden).

#### ab. *praefulvata*

Along with the five examples referable to the typical form came two which must be considered as an aberration, *praefulvata*; in these the whole of the forewing beyond middle line except along inner margin, which remains dark to the anal angle, is dull fulvous, with all the lines, and especially the outer line, distinct; on the underside the whole outer two-thirds of wing is deep orange-fulvous with a black conical projection from the anal angle.

Expanse of wings: 27 mm.

2 ♀♀ from R. Huacamayo, Carabaya, Peru, taken at the same time and height as the type-specimen (Oeckenden).

In some of the ♀♀, both of type and aberration, the underside of the hindwing shows traces of a pale curved middle band with some fulvous striae.

#### Mesobomba gen. nov.

*Forewing*: costa straight, strongly convex at apex, which is depressed and bluntly produced; outer margin strongly sinuate, gibbous between 2 and 4, and insinuate beyond each fold; anal angle distinct.

*Hindwing*: with outer margin at middle strongly gibbous with a sinus on each side; antennae of ♀ simply pubescent; tongue and frenulum present; palpi short; hindtibiae with four spurs.

Neuration: forewing, cell less than half of wing; discocellular, apparently, vertical; first median nervule close to end of cell, second and third stalked; the two radials close together from upper end of cell; 7, 8, 9, 10 stalked; 11 anastomosing, and becoming coincident with 12; hindwing, costal and subcostal anastomosing for three-fourths of cell; 3, 4, and 6, 7 stalked; no radial.

Type: *Mesobomba flavifascia* spec. nov.

The type-species is not at all unlike the description of *Phaludia jancira* Schaus, from Rio Janeiro, which I have not seen; but the diagnosis of the genus does not tally at all.

#### 266. *Mesobomba flavifascia* spec. nov.

*Forewing*: violaceous purple; the markings broad and diffuse, deep brown-black; basal area purplish, containing a deeper curved inner line, running in towards base of inner margin; a diffuse pale yellowish fascia across middle of wing with some dark striae on its outer edge, forming a kind of outer line; a broad submarginal dark fascia, edged in parts with ochreous scales; marginal line and fringe dark purple.

*Hindwing*: with the three bands more distinct; some yellowish scales between first and second.

Underside dull brownish purple; the yellow fasciae clear; that of forewing broad at costa and quite narrow on inner margin; that of hindwing constricted in middle; base of hindwing yellow.

Face and collar yellowish; head and thorax purplish; abdomen missing.

Expanse of wings: 19 mm.

1 ♀ from La Union, R. Huacamayo, Carabaya, Peru, 2000 ft., November 1904, wet season (Oeckenden).

#### Pygmaeopsis gen. nov.

*Forewing*: elongate-triangular; costa straight; apex depressed, bluntly rounded; outer margin obliquely curved; anal angle distinct.

*Hindwing*: small; outer margin rounded; anal angle square; inner margin incurved and slightly furrowed.

Antennae quite three-fourths as long as forewing, thick, pubescent; palpi short, porrect; tongue and frenulum present; hindtibiae thickened, with four spurs.

Neuration: forewing, cell quite half as long as wing; discocellular vertical; first median nervule at five-eighths, second close before third; lower radial from above centre of discocellular, upper from upper end of cell; 7, 8, 9, 10, 11 stalked

from one-half, 10 and 11 coincident, anastomosing, and becoming coincident with 12: hindwing, with costal and subcostal approximating shortly near base; 3 and 7 from before angles of cell; no radial.

Type: *Pygmacopsis purpurea* spec. nov.

267. *Pygmacopsis purpurea* spec. nov.

*Forewing*: purplish grey; the lines and shadings velvety brown-black; base brown-black, its edge curved at one-fourth; a median sinuous line a little beyond middle; outer line at three-fourths, followed by a broad shade widening to anal angle, with diffuse edge; brown-black marginal dashes between the veins; fringe purplish grey; costa fulvous red, dotted with black, and with black spots at origin of lines; some fulvons scaling in the disc.

*Hindwing*: with only the marginal area purplish grey, all the rest brown-black, with traces of a dark median line and fulvons band.

Underside dark purplish grey, with the lines thick and darker; a submarginal line also present, which is scarcely visible above.

Thorax and abdomen dark purplish grey; face and palpi velvety black with fulvons red edging.

Expanse of wings: 16 mm.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

268. *Tephrinopsis atomosaria* spec. nov.

*Forewing*: ochreous, densely dusted with grey-brown atoms, the thickening of which forms three cross-lines; the first curved, at one-fourth, indistinct, especially towards costa; the second in middle, parallel to outer margin; the outer at three-fourths, also parallel; this is edged outwardly, as the first is inwardly, by a paler, unspotted line; marginal line hardly darker; fringe concolorous, with darker middle line.

*Hindwing*: with two outer lines only, both indistinct.

Underside paler, with outer line only visible, and minute dark cell-spots.

Head, thorax, and abdomen concolorous.

Expanse of wings: 26 mm.

1 ♂, 2 ♀♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

The ♂ is darker than the ♀♀.

269. *Tephrinopsis lugubris* spec. nov.

*Forewing*: dull slaty grey, dusted with olive; the lines thick, olive, swollen on costa, which is narrowly ochreous, dotted with black; first line at one-fifth, second at two-fifths, preceding the dark cell-spot, both bent below costa, then vertical; outer line at two-thirds, bent on vein 6, then parallel to outer margin, followed by a shade of brownish olive before the very indistinct submarginal line; dark marginal spots; fringe concolorous, with pale base, especially at apex.

*Hindwing*: without first line; inner margin short.

Underside much paler, with grey striations; marginal area dark purplish grey; the lines indistinct; costa of forewing yellow, with sparse striae.

Thorax and abdomen concolorous with wings; head and palpi dark brown.

Expanse of wings: 26 mm.

1 ♂ from R. Colorado, Peru, 2500 ft., August—September 1902 (Watkins).

Forewing with large fovea; antennae of ♂ with segments ending in tuberculate fascicles of cilia.

SUBFAMILY ENNOMINAE.

270. *Acrotomodes leprosata* spec. nov.

*Forewing*: liver-colour at base and along margins, rather bright brown in the disc, throughout thickly strewn with grey flakes, and crossed by two brown lines, median and postmedian, both angled acutely outwards below costa, then oblique inwards, irregularly crenulate between veins: a brown blotch on costa before apex; the outer line is followed by an irregular series of black spots edged with pale scales, of which two are large and conspicuous; one elongated, velvety black, above vein 7, the other round and black on submedian fold; a brown patch between 3 and 4 contains two or three black spots; fringe dark brown.

*Hindwing*: liver-colour, without the brown tinge; costal area pale; the two lines basal and antemedian.

Underside reddish fawn, black-speckled; costal area of forewing paler, lilac-grey, shading into ochreous; inner margin white; no distinct outer line, but the two black spots both marked; marginal area fulvous-red.

Face, palpi, forelegs, and antennae red-brown; vertex, thorax, and abdomen lilac-grey, the dorsum flaked with grey scales.

Expanse of wings: 33 mm.

1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Oekenden).

Also from Ucayali, Peru, and San Ernesto, Bolivia.

In this species the forewing has no fovea.

271. *Anisoperas cervinicolor* spec. nov.

*Forewing*: pale fawn-colour, crossed by two olive-grey lines; first from one-fourth of costa to one-fourth of inner margin, bracket-shaped, preceded by some pale scales; outer line from five-sixths of costa to three-fourths of inner margin, roundly projecting at middle, followed by some pale sealing; marginal area somewhat paler; fringe fawn-colour; cell-mark brown, linear, closely followed by a slight brown median shade which nearly touches outer line on inner margin.

*Hindwing*: with outer line only.

Underside much paler, whity-brown, with rufous speckling; outer line indistinct.

Head, thorax, and abdomen like wings.

Expanse of wings: 44 mm.

1 ♀ from Ciudad de Tucuman, Argentina, January 1902 (Diinelli).

The ♂, of which I have seen an example in M. Doggin's collection, is rather smaller in point of size (36 mm.), paler, more ochraceous in colour, and with the black lines shaded on each side with grey.

272. *Apicia colorifera* spec. nov.

*Forewing*: cream-colour, washed with pale green and towards outer margin with flesh-colour, speckled and striated throughout with olive-green; basal patch suffused and striated with slaty grey, edged by an irregular line of purple scales,

angled outwards on the veins : cell-spot black, distinct, beneath an oblique purplish costal streak ; a quadrate purplish spot beyond it at fourth-fifths, from which the olive-brown outer line arises, running out along vein 7, acutely angled before apex, then straight and oblique to three-fifths of inner margin ; it is preceded by a mossy-green shade, thick and diffuse above middle, thinning out towards inner margin ; externally the line is finely edged with pale, and followed by a dull suffusion of flesh-colour, varied with long olive-green striae towards outer margin ; the apex with darker scaling ; fringe greenish, paler at base and tips.

*Hindwing* : similar, but with the costal area whitish, and no dark basal patch ; the line straight and central, from vein 6 to inner margin ; cell-spot black.

Underside densely striated ; forewing yellow to outer line, then dull reddish brown, grey at apex and inner margin ; hindwing less yellow ; the line at two-thirds, curved parallel to outer margin ; cell-spots black.

Head, thorax, and abdomen cream-colour, speckled with greenish fuscous ; face and shoulders greenish ; vertex whitish.

Expanse of wings : 44 mm.

1 ♀ from Santo Domingo, Carabaya, S.E. Peru, 6500 ft., December 1902, wet season (Ockenden).

Forewing with apex shortly produced ; outer margin bluntly elbowed at vein 4 ; hindwing with outer margin curved.

#### 273. *Apicia fusilinea* spec. nov.

*Forewing* : dull yellow, coarsely speckled with fuscous, along the course of outer line and in apical area tinged with rufous ; first line at one-third, thick, bluntly angled outwards on median vein ; cell-spot black ; outer line black, from three-fifths of inner margin straight towards apex, angled on vein 7, and retracted to costa, preceded by a broad vinous fuscous shade, and followed by a less conspicuous and irregular grey shade, beyond which are dark spots below veins 2, 4, and 6 ; fringe darker.

*Hindwing* : with the line central, thick, vinous fuscous, not extending above vein 7 ; marginal area with a rufous flush.

Underside like upper, but paler and duller.

Head, thorax, and abdomen concolorous with wings.

Expanse of wings : 35 mm.

1 ♀ from Salta, Argentina, April—November 1903 (Steinbach).

Evidently related to the species described further on as *A. leprosa* from Paraguay ; but larger, yellower, and more coarsely marked.

#### 274. *Apicia* ? *lacteata* spec. nov.

*Forewing* : cream-white, speckled with black atoms ; lines fine, blackish, mainly composed of confluent speckling ; first at one-third, bent in cell, then curved inwards, plainest on inner margin, where it is preceded by a slight brownish shade ; outer line from five-sixths of costa, shortly oblique outwards, angled on vein 7, then oblique inwards to three-fifths of inner margin, slightly and unevenly curved, followed by a grey shade ; a minute blackish cell-spot ; extreme outer margin and fringe pale brown.

*Hindwing* : with outer line sinuous, parallel to outer margin ; inner line faint, straight, preceding the small cell-spot and approaching outer line on inner margin.



Underside similar; cell-spots and outer lines only marked, the latter accompanied by dark dashes on veins.

Head, thorax, and abdomen like wings; collar, face, and palpi brown-speckled.

Expanse of wings: 35 mm.

1 ♀ from Limbani, Carabaya, Peru, 9500 ft., May 1904, dry season (Ockenden).

Apex of forewing acute; outer margin hardly bent at vein 4.

Of doubtful position till the ♂ can be compared.

#### 275. *Apicia leprosa* spec. nov.

*Forewing*: fawn-colour, coarsely dark-speckled; first line obscure, from one-fourth of costa to one-third of inner margin, bluntly angled on median vein; cell-spot black; an oblique dark costal streak above it; outer line dark, thin, oblique and straight from three-fifths of inner margin towards apex, acutely angled on vein 7 and retracted to costa, followed by a pale and then a darker line; beyond the line and close to it is an irregular grey shade swollen into projecting spots below veins 2, 4, and 6, these spots in some cases blackish; above the angle of the line is a black double costal spot; the black speckling is stronger towards anal angle; veins sometimes paler; marginal half of wing generally tinged with darker.

*Hindwing*: with the line central, not marked above vein 7; the costal area pale; cell-spot black.

Underside yellowish white, thickly speckled, darker towards outer margin, especially in hindwing, where the ground-colour is whitish; outer line and submarginal shade marked in forewing.

Head, thorax, and abdomen speckled ochreous.

Expanse of wings: 30 mm.

3 ♀♀ from Sapucay, Paraguay, September 1901, July 1902, and October 1904 (Foster).

#### 276. *Bassania annulifera* spec. nov.

♂. *Forewing*: yellowish olive; the space between the two lines paler, with a faint lilac-grey tinge towards outer line; the lines darker olive; first from one-third of costa, outcurved above, then inwardly oblique to one-fourth of inner margin, obscurely edged inwardly with paler; outer line from middle of inner margin, oblique and slightly crenulate between veins, towards apex, close before which it is curved to costa, followed throughout by a paler line; cell-spot round and whitish with a dark centre; submarginal line hardly visible; fringe rust-coloured.

*Hindwing*: with the costal and outer marginal areas more lilac-grey; the yellowish-olive tinge confined to the inner marginal area and the hairs that clothe the base; fringe broadly rust-coloured.

Underside of hindwing, the cell, and costal area of forewing beneath pale brick-colour, slightly speckled with grey; rest of forewing pearly white; outer margin and apex of forewing olive; outer line marked by a short black line from costa before apex; fringe reddish.

Thorax, patagia, and abdomen olive like wings; head, shoulders, and pectus bright fulvous; forelegs speckled, olive-grey and white; antennae white.

♀. *Forewing*: coloured like the ♂ of *B. fortis* Warr.; reddish chestnut taking the place of the yellowish olive of the ♂, the paler shades reddish grey; the outer line deep purple followed by a bluish-grey line; cell-spot ochreous with dark centre; fringe reddish.

*Hindwing*: darker, reddish grey.

Underside pale lilac-grey, dark-speckled; hindwing flushed with yellowish olive; forewing with the pale areas pinkish; fringe of forewing deep rust-colour, of hindwing lilac-grey.

Expanse of wings: 52 mm.

1 ♂ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Oekenden), type; 1 ♀ from Limbani, Carabaya, Peru, 9000 ft., February—March 1904 (Oekenden).

In the ♂ the outer margin of forewing is evenly curved; in the ♀ more gibbous with the apex produced.

Distinguished from *fortis* Warr. by the pale sealed discal spot, and inwardly oblique first line of forewing.

### 277. *Bassania olivacea* spec. nov.

*Forewing*: pinkish ochreous, covered with fine olive striae; along the costa and at base and beyond the outer line the wing is suffused with olive, the marginal area being conspicuously dark but fading out before outer margin, which is again pinkish ochreous; the inner line is very faint, except at inner margin; the outer, distinct, sinuous, and obscurely double, rises from just beyond middle of inner margin and above the cell is curved on to costa; submarginal line or shade rarely plain; fringe pinkish ochreous; cell-spot black in a small clear space.

*Hindwing*: pale ochreous, tinged with yellow towards abdominal margin, the marginal third olive-tinged and speckled with black; a straight postmedian line and slight submarginal shade are sometimes visible, but generally very faint.

Underside shining pale ochreous, the upper half of wing suffused with dull olive, except a pale patch beyond the cell, containing the small cell-spot; outer line marked only in costal half: hindwing dull pinkish ochreous, tinged with olive and dark-speckled; cell-spot black, distinct.

Head, thorax, and abdomen like wings, the thorax rufous-tinged.

Expanse of wings: 56 mm.

2 ♂♂ from Oconeque, Carabaya, July (Oekenden).

Nearest to the type-species *amethystata* Wlk. in shape of wing, but at once distinguished by the dark olive shade beyond outer line and the underside of wing, as well as by the sinuous and stronger line; *meropia* Druce has the line crenulate, the wings shorter and broader, and all the markings darker.

### 278. *Certima rufula* spec. nov.

*Forewing*: dark reddish fawn-colour, without markings; a blackish cell-spot; costa obscurely speckled with darker and tinged with purplish; fringe concolorous.

*Hindwing*: the same.

Underside much paler, except along outer margins; cell-spots black.

Head, thorax, and abdomen like wings; abdomen beneath, pectus, and legs like underside of wings; forelegs fuscous.

Expanse of wings: 35 mm.

1 ♂ from Dominica (E. A. Agar).

The antennae are more thickly lamellate than usual; the palpi thickened and flattened, rather longer than usual; outer margin of both wings uniformly curved, without crenulation.

**Crypsicrocis** gen. nov.

Like *Acrotomodes* Warr., but distinguished by the presence, on the underside of the forewing of ♂ at base, of a tuft of yellow hairs, as in the genus *Lygris* in the *Hydriomeninae*.

Type: *Crypsicrocis marcida* spec. nov.

279. **Crypsicrocis marcida** spec. nov.

*Forewing*: yellow ochreous, tinged with darker in places, and speckled with brown; lines very obscure; a curved brownish shade at one-fourth; a slight ocelloid cell-mark; outer line from two-thirds of inner margin oblique towards apex, before which it is sharply retracted to costa and marked with red-brown; an interrupted grey submarginal band followed by dark specks; fringe yellowish.

*Hindwing*: with the ochraceous line straight, just before middle; submarginal shade grey on costa, then ochraceous.

Underside yellow; forewing with a red-brown marginal border speckled with black; hindwing with the edge only of the band, reaching just below middle; tuft at base of forewing yellow.

Head, thorax, and abdomen yellowish ochreous.

Expanse of wings: 32 mm.

1 ♂ from La Union, R. Huacamayo, Carabaya, Peru, 2000 ft., November 1904, wet season (Ockenden).

**Dasystole** gen. nov.

*Forewing*: costa straight; outer margin obliquely curved, crenulate.

*Hindwing*: with outer margin crenulate.

Vertex, face, and pectus roughly haired; shoulders ample; patagia long, reaching beyond thorax; palpi porrect, hairy beneath, not reaching in front of face, the terminal segment short and smooth; antennae simple, ligulate; tongue and frenulum present.

Neuration: forewing, cell longer than half of wing; discocellular vertical; first median nervule at two-thirds, second at seven-eighths; lower radial from a little above centre of discocellular, upper from upper end of cell; 7, 8, 9 stalked from bend in subcostal; 10 and 11 free; 11 approximating to but not touching 12; 10 anastomosing with 8, 9; hindwing, costal and subcostal approximating near base; 6, 7 from top end of cell; no radial; medians as in forewing. Scaling thick and coarse.

Type: *Dasystole thoracica* Wlk. (*Homoptera*).

Akin to the Australian genus *Gastrina* Guen., one species of which Walker also described among the *Noctuidae* as *Xylina serrata*, misled, no doubt, by the stout build and shaggy scaling.

Two other species must be transferred to this genus: *Azelina munita* Dogn., *Ann. S. E. Belg.* xlv. p. 233 (1900) and *Azelina albisecta* Warr., *Noct. Zool.* xi. p. 566 ♂ (1904).

280. **Dasystole crenulata** spec. nov.

*Forewing*: pale grey, dusted in ♀ with rather coarse olive-green scales, and suffused from base to outer line with a dull pinkish-brown tinge; first line from one-fourth of costa to one-fourth of inner margin, forming a deep outward curve on each side

of the median vein, dark olive-green, but in ♀ only plain at extremities, the curves filled in with whitish scales; outer line oblique and regularly lunulate-dentate, dark olive-green, from costa shortly before apex to four-fifths of inner margin, edged outwardly by a white line and preceded by a series of dark olive-green lunules, separated by the veins; extreme outer margin pinkish grey, like the fringe, the base of which is narrowly whitish, both strongly lunulate-dentate; cell-spot annular, greenish, with a whitish centre.

*Hindwing*: dingy whitish grey, speckled with greenish grey in ♀, brownish grey in ♂; a diffuse grey cell-spot with dark grey nucleus; outer line grey, dentate-lunulate, beyond which the marginal area is greyer.

Underside whitish in ♀, ochreous in ♂, suffused with rufous-olive and thickly speckled with dark green; cell-spots large, dingy green in ♀, blackish in ♂; outer line of forewing followed by a band of reversed greenish-grey lunules enclosing pale centres; veins rufous towards outer margin; inner line double; lunules before outer line greenish grey; the underside is altogether darker in the ♂.

Thorax, face, and pectus very woolly, greenish grey; the face whiter with a black line above; second and third segments of palpi black; antennae speckled black and white; abdomen pinkish white, coarsely black-mottled; legs whitish with coarse fuscous greenish mottling: hind femur in ♂ with dense tuft of ochreous and black hairs.

Expanse of wings: ♂ 48 mm.; ♀ 52 mm.

1 ♂ from Agualani, Carabaya, Peru, 9500 ft., August 1904, dry season (Ockenden).

1 ♀ from Limbani, Carabaya, Peru, 9500 ft., April 1904, dry season (Ockenden).

### 281. *Dasystole thoracica*.

*Homoptera thoracica* Wlk., *Het.* xiii. p. 1067, ♂ (1857).

A single ♂ example of this species has been received from Ecuador expanding 34 mm.

### 282. *Dectochilus tristis* spec. nov.

*Forewing*: greyish brown, slightly speckled with dark; the lines black and fine; first from one-fourth of costa, oblique outwards and obtusely angled in cell, then vertical or outwardly oblique to one-third of inner margin; outer from four-fifths of costa, oblique outwards and angled on vein 7, then slightly flexuous and sometimes marked with pale spots on veins, to three-fourths of inner margin; both lines are preceded by a diffuse dark-brown shade; cell-spot black; submarginal line brownish grey, zigzag; fringe concolorous.

*Hindwing*: paler; with outer line only, nearly straight, from two-thirds of costa to three-fourths of inner margin; cell-spot blackish.

Underside greyer brown, more uniform in colour, with dark speckling; outer line and cell-spots distinct in both wings; a submarginal cloud at costa of forewing.

Head, thorax, and abdomen like wings. Face, palpi, pectus, and femora all very woolly.

Expanse of wings: ♂ 44 mm.; ♀ 48 mm.

2 ♂♂, 1 ♀ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

The ♀ is paler, with less brown admixture throughout.

283. *Drepanodes flavibasis* spec. nov.

*Forewing* : deep purple-brown ; the basal third deep dull yellow, filled with purple-brown spots ; costal edge bright orange-red ; outer line red-brown, apparently running from apex to middle of inner margin, but really the line is angled on 7 and retracted to costa, where it is marked by a small but distinct white spot ; from apex to midwing this line is followed by a pinkish-ochreous streak, which from middle runs more broadly and duller to anal angle ; outer margin beyond this pale area olive-brown, its inner part purple-brown ; the space beyond outer line on inner margin also purple-brown ; the whole of the space beyond outer line below vein 4 dull lustrous ; fringe olive-brown ; cell-spot obscure, blackish.

*Hindwing* : with basal third dull yellow, and costal area white ; the apex broadly dull fulvous, striated with purple ; rest of wing purple ; the red-brown line central, touching the black cell-spot ; a waved submarginal band, distinct only in lower part of wing ; fringe olive-brown.

Underside of forewing ochreous overlaid with olive-brown and striated with black ; hindwing paler, with less striation ; cell-spots black ; outer line marked in both wings by black spots on veins ; marginal border dull purple ; fringe olive-brown ; apex of forewing slightly lilac-grey.

Face, palpi, forelegs, vertex, and collar dull purple ; thorax yellowish ; abdomen ochreous, yellower along dorsum, which is also blotched with purplish.

Expanse of wings : 38 mm.

1 ♀ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Ockenden).

Underneath, this ♀ can scarcely be separated from a ♀ of *meticulata* Guen. from Paraguay, but the upperside is utterly different. Moreover, the apex of forewing is much more shortly produced, and slightly directed upwards, the costa not being convex at apex.

284. *Euclysia intermedia* spec. nov.

*Forewing* : pale stone-grey, suffused, when fresh, with olive as far as the outer line, before which the suffusion deepens, and covered throughout with slender dark striae ; costal edge paler ; inner line hardly marked, from about one-fourth of costa to one-third of inner margin, the basal area within it somewhat paler ; outer line obscure, slightly paler, forming a curve concave outwards from four-fifths of costa to anal angle, with a deeper olive shade on each side of it, darker before middle, and externally forming two semi-oval brown or reddish dark-edged blotches on veins 2 and 3 ; a small black cell-spot ; fringe paler.

*Hindwing* : with the whole outer half, except the margin above middle, suffused with a deep olive shade containing traces of a submarginal zigzag outer edge ; fringe pale ; cell-spot small, black.

Underside pale stone-colour, slightly speckled, with a broadish wavy-edged olive submarginal band on both wings, and an olive-grey cloud on margin of forewing at the angle.

Vertex, face, and palpi olive ; thorax and abdomen pale stone-colour.

Expanse of wings : 52 mm.

1 ♂ from Tinguri, Carabaya, Peru, 3100 ft., August 1904, dry season (Ockenden).

Outer margins without crenulation. Intermediate between *restricta* Warr. and *maculata* Warr.

**Euphemia** gen. nov.

*Forewing*: costa nearly straight, convex just before apex; inner margin convex; outer margin irregular; bluntly toothed at 6, insinuate beyond cell and at submedian fold, gibbous between, more or less vertical from apex to 3, then strongly oblique.

*Hindwing*: with outer margin well rounded; insinuate beyond the folds and bent at 6; the inner margin amplified into a flap.

Antennae (♂) simply lamellate; palpi porrect, rough-haired, the terminal segment depressed and smooth; tongue present; frenulum long and slender; femora hairy; hindtibiae with four long spurs.

Neuration: forewing, cell half as long as wing; discocellular vertical; first median nervule at two-thirds, second shortly before third; lower radial from a little above middle of discocellular; upper from upper angle; 7, 8, 9, 10 stalked from two-thirds; 11 free: hindwing, with costal and subcostal shortly approximated at base; veins 6, 7 from upper angle; vein 2 not far before 3 and 4.

Type: *Euphemia mollis* spec. nov.

The genus does not seem to bear any immediate affinity with any other.

285. **Euphemia mollis** spec. nov.

*Forewing*: slaty grey, with fine transverse darker striae; costa paler, broadly dull yellowish; basal and marginal areas deeper grey, ill-defined; basal line diffuse, from one-third of costa to one-half of inner margin, projecting outwards in submedian interval; outer line waved, parallel to outer margin, from three-fourths of costa to three-fourths of inner margin; the intervening space pale grey, subtransparent, with a black cell-spot; a yellow spot on costa before apex; extreme outer margin narrowly and interruptedly pale; fringe dark grey, whitish beyond the two folds.

*Hindwing*: wholly dark grey, with a deeper thick line curved from beyond middle of costa to inner margin above anal angle, towards which it is deflexed; fringe and extreme outer margin pale yellow, the fringe chequered with dark.

Underside like upper, but duller.

Thorax and abdomen pale grey; head, palpi, and antennae ferruginous.

Expanse of wings: 30 mm.

2 ♂♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Ockenden).

286. **Eusenea nucleata** spec. nov.

This species is very much like *E. rotundata* Warr. from Venezuela. The larger white cell-spot, pyriform in shape, with a black dot in centre, will always distinguish it. The outer line is more oblique and straight; along the outer margin is a broad brown cloud; the margin itself shows slight elbows at veins 3 and 6; a single white submarginal dot above vein 6. The hindwing is dark brown, with a darker postmedian shade, but no distinct line; one white dot above vein 6.

Underside fulvous-brown; inner half of forewing shining white; cell-spot with the black centre larger; a dark, straight outer line from costa to vein 4 in forewing, waved and crossing the hindwing to a paler patch above anal angle; an obscure pale cell-spot.

Head, thorax, and abdomen fulvous; legs fulvous, with white joints; antennae and a very fine frontal line white.

Expanse of wings : 44 mm.

4 ♂♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., October 1904, wet season (Oekenden).

287. *Eustenophasma constricta* spec. nov.

Resembles *E. fuscata* in coloration, but smaller ; the first line fine and dark, slightly bent outwards at costa and inwards at inner margin, preceded by a paler band tinged with purplish grey ; the outer line in its sinus between 1 and 3 approaching more closely to inner line, so that the central dark olive-fuscous fascia is there much constricted ; costal area beyond outer line whitish grey to apex, containing a bilobed brownish blotch, which is scarcely visible in *fuscata* : in the hindwing the outer line is irregular, starting from inner margin further from anal angle, forming a sinus inwards with obscure denticulation to vein 4, vertically projecting between 4 and 6, and again curved inwards to costa ; cell-spot distinct.

Underside much paler, more lilac-grey, especially in the hindwing, darker along the margin, with the lines regularly lunulate-dentate and nearer outer margin than above.

Head, thorax, and abdomen olive-fuscous.

Expanse of wings : 26 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

288. *Eustenophasma fuscata* spec. nov.

Differs from *E. violacea* in being without any violaceous tints.

*Forewing* : olive-fuscous ; first line placed as in *violacea* but quite simple, pale ochreous, slightly bent outwards at costa ; outer line shaped much as in *violacea*, but edged with whitish at costa and marked by white dots on the veins, the inward sinus between veins 1 and 3 entire, not broken by a tooth at vein 2 ; space between the lines darker fuscous ; an oblique pale streak from costa before apex towards angle of outer line ; a darker cloud at anal angle ; fringe concolorous, with dark basal and dividing lines ; cell-spot black.

*Hindwing* : with a dentate-lunulate outer line, much as in *violacea*, but at anal angle nearer the outer margin ; basal three-fourths darker than the marginal area ; a slight dark cell-spot ; costal area whitish.

Underside dull speckled fuscous ; the margins darker, especially at apex of forewing ; the outer line marked in forewing, not corresponding to that of upperside, dotted with white on veins ; a whitish oblique streak from costa before apex.

Head, thorax, and abdomen all fuscous.

Expanse of wings : 33 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

289. *Eustenophasma violacea* spec. nov.

*Forewing* : blackish at base, the central area olive-brown, the outer olive-brown varied with dull lilac-grey ; basal patch and central fascia with inwardly oblique parallel edges, the intervening space lilac-grey, traversed by a thick brownish line ; outer edge of central fascia oblique outwards from three-fourths of costa to vein 6, then bluntly angled and sharply oblique inwards, lunulate-dentate, to just beyond middle of inner margin, with a fine lilac-grey edging, followed by a thick olive-brown shade ; the inner edge of central fascia and the cell-spot darker brown than the rest of fascia ; a flattened costal blotch before apex, margined with bluish white

and bilobed externally; marginal area with a double diffuse lilac-grey cloud, the two united at vein 6; the extreme margin olive-brown with a very fine lilac-white marginal line; fringe with basal half olive-brown, outer half paler.

*Hindwing*: from base to the lunulate-dentate outer line dull brown, thickly covered with black, coalescent, striae; the costa narrowly whitish; the outer line is at three-fourths, and projects in upper part of wing; the marginal area restricted, otherwise like that of forewing; fringe of inner margin whitish.

Underside olive-brown peppered with bluish-white scales; the dentate outer lines and cell-spots only marked.

Head, thorax, and abdomen above dark olive-fuscous; anal tuft and abdomen beneath grey.

Expanse of wings: 35 mm.

2 ♂♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

#### 290. *Eutomepepla uniformis* spec. nov.

*Forewing*: olive-brown, finely freckled with darker; costa finely yellowish ochreous, dotted with dark; a black cell-spot; submarginal line indicated by a black costal blotch before apex and a fine dark shade at anal angle; fringe above middle concolorous, below pale ochreous, brown-chequered beyond veins.

*Hindwing*: with broad purplish-black shade along outer margin from anal angle to middle tooth, and very faint traces of darker median and submarginal lines; costa grey; fringe ochreous from apex to tooth, then rufous, with the tips pale; inner margin and fringe white.

Underside dull bluish white, the outer half of both wings mouse-colour.

Head and abdomen mouse-colour; basal segments of abdomen and thorax olive-brown; shoulders pale ochreous; legs ochreous, broadly mottled with purplish fuscous.

Expanse of wings: 44 mm.

2 ♂♂ from Sapucay, Paraguay, August 1901, and September 1904 (Foster).

#### *Goniocampa* gen. nov.

*Forewing*: costa straight, slightly curved at base and just at apex, which is produced; outer margin concave from apex to vein 4, thence sinuous to the distinct anal angle, before which it is somewhat indented.

*Hindwing*: strongly angled in middle; the apical and anal angles both well marked.

Abdomen short; antennae of ♂ with triangular segments, ending in tuberculate fascicles of cilia; of ♀ subserrate; palpi porrect, very slender, basal segment rough-haired; tongue and frenulum present; hindtibiae thickened, as far as can be seen without a pencil of hairs, and with two pairs of approximate spurs.

Neuration: forewing, cell half as long as wing; discocellular vertical above, oblique below; first median nervule at one-half, second close before third; lower radial from slightly above middle of discocellular; upper normal; 7, 8, 9, 10 stalked from before end of cell; 11 free just before them, anastomosing with 12, 10 anastomosing also with 11; hindwing, costal and subcostal approximating shortly along base of cell; 3 and 7 before angles of cell; no radial.

Type: *Goniocampa fallax* spec. nov.



291. *Goniocampa fallax* spec. nov.

*Forewing* : bone-colour, with a rufous-grey tinge, and speckled with olive and purple ; costal edge, fringe, and marginal line dark purple, this last swollen between veins, and preceded by slight purple patches beyond cell and at end of vein 2 ; cell-spot purple ; the only line visible is submarginal, starting obliquely from costa at three-fourths, bent below 6, and continued to inner margin parallel and close to outer margin, marked only by dark dots on veins ; beyond it below vein 6 is a double purplish spot, touching the upper patch.

*Hindwing* : with marginal line purple and thick ; fringe purplish ; outer line marked by dots on veins, angled parallel to outer margin.

Underside white ; the forewing, except on inner margin, speckled with fuscous ; both wings with a purple marginal band, in some cases complete, in others interrupted ; in one case with only the dark marks of the upperside represented.

Head dull purple ; thorax and abdomen white dusted with darker ; the abdomen with pairs of dark spots on each segment.

Expanse of wings : ♂ 22 mm. ; ♀ 27 mm.

1 ♂, 3 ♀ ♀ from La Union, R. Huacamayo, Carabaya, Peru, 2000 ft., November 1904, wet season (Oekenden).

The species somewhat resembles certain of the genus *Haemalea*.

292. *Gynopteryx immaculata* Warr

Hitherto I have seen only the solitary ♂ from which the description was originally made, *Nov. Zool.* iv. p. 493 (1897) ; I can now describe the ♀ from a single, but quite perfect specimen. As usual, the apex of forewing is more prominent than in the ♂ ; the yellow ground-colour is somewhat deeper, and the marginal area darkened with grey-brown ; a dark shade from the outer line at vein 4 runs to inner margin before anal angle, with a slight blackish mark between 3 and 4 and again between 1 and 2 ; this submarginal shade is slightly visible in the paler hindwing ; from the costa of forewing at three-fifths an obscure grey-brown line runs to outer line at vein 4.

Beneath, the wings are bright deep yellow : the marginal area in forewing only being brown, containing a pale ochreous-grey patch at apex ; in the hindwing the cell-spot and two lines are present as in the ♂, but very faint.

Face, palpi, and antennae dark brown ; thorax and abdomen like wings.

Expanse of wings : 37 mm.

Dominica.

293. *Gynopteryx nazadaria* ab. *inapicata* nov.

This form stands to *nazadaria* Wlk. in the same relation as *scriaria* Guen. does to *gladiaria* Guen. ; that is to say, the lines are marked by series of round dark-brown spots, the lines themselves being dark marked on the underside and merely suggested above ; but it is distinguished from all other forms by the absence of the apical blotch ; the outer line of spots ending in a somewhat larger spot on vein 8, and vein 7 being without one. The hindwing has the middle line and cell-spot much fainter ; the submarginal shade variable in clearness, marked by darker points on veins and irregularly zigzag between.

The outer margin of both wings is curved.

Of the two specimens one is ochreous cream-colour as in *nazadaria*, the other washed with yellowish; both are alike beneath, ochreous, washed with pale brownish, as far as the submarginal lines; the lines continuous, black, and distinct. Palpi, antennae, and forelegs brownish; face and vertex, especially the latter, whitish.

Expanse of wings: 40 mm.

2 ♂♂ from Huancabamba, Cerro de Pasco, Peru (Böttger).

#### 294. *Hypagyrtis pallidaria* spec. nov.

*Forewing*: pale dull ochreous, thickly fuscous-speckled, tinged in parts with pale olive-brown; lines indistinct, brownish; first quite close to base, outcurved; second, median, at two-fifths, oblique outwards to top of discocellular, there sharply angled, and running vertically to middle of inner margin; outer line from two-thirds of costa, bent on vein 6, then incurved to two-thirds of inner margin, sometimes partially double; a diffuse olive-brown shade from end of cell to outer margin, where it reaches from apex to below middle; an oblique dark shade from apex, containing white spots between veins, the upper three distinct; a dark-grey blotch beyond outer line between veins 3 and 4; fringe pale, varied with dark.

*Hindwing*: paler, less speckled; with a large grey cell-spot and waved outer line.

Underside similar; the lines plain only at costa, where the apical dark shade and white spots are conspicuous: hindwing with large oval blackish cell-spot and traces on margins of an inner as well as the outer line.

Head, thorax, and abdomen pale ochreous with dark speckling.

Expanse of wings: 44 mm.

1 ♂ Pozuzo, Huánuco, 800—1000 m. (Hoffmanns).

In forewing vein 5 rises from top end of discocellular, and vein 6 is stalked with 7, 8, 9. The species is certainly a *Hypagyrtis*, and in fact is not unlike some specimens of the North American *subatomaria*.

#### 295. *Isochromodes ferruginea* spec. nov.

*Forewing*: ferruginous ochreous, striated with dark; the lines thick, dark brown; placed much as in the following species, *I. siennata*, but the outer line not so oblique, starting from costa further from apex; costa broadly brown-black; basal and marginal areas almost wholly filled up with brown-black, the space between 2 and 4 with a grey-black blotch as in *siennata*; cell-spot black; a dark crenulate marginal line; fringe brown, darker beyond veins.

*Hindwing*: with basal and marginal areas brown-black; central space narrowly ferruginous ochreous; a yellow spot on inner margin beyond outer line.

Underside dull ochreous, suffused with dull grey; outer line distinct, dark grey; the marginal areas dark grey, the apex of forewing pale.

Head, thorax, and abdomen brown-black.

Expanse of wings: 28 mm.

1 ♂ from La Oroya, R. Inambari, S.E. Peru, 3100 ft., March 1905, wet season (Oeckenden).

296. *Isochromodes siennata* spec. nov.

*Forewing*: wood-brown, brighter in the ♂, thickly strigulated with fuscous; the lines dark brown; first outcurved above median vein, then straight; outer sinuous from four-fifths of costa to two-thirds of inner margin; marginal area with a dull greyish-black blotch between veins 2 and 4; cell-spot small; fringe pale brown with dark chequering beyond veins.

*Hindwing*: with outer line only, inbent beyond cell and outcurved below, followed on inner margin by a bright white spot.

Underside pale ochreous, slightly dark speckled; outer line blackish; marginal area in forewing grey; the ♀ is yellower ochreous with denser speckling.

Head, thorax, and abdomen like wings.

Expanse of wings: 30 mm.

1 ♂, 2 ♀ ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

297. *Melinodes ignea* spec. nov.

*Forewing*: yellow, thickly speckled with fulvous orange; the veins finely brown; lines black-brown; first from one-fourth of costa to one-third of inner margin, bent at right angles on subcostal vein; outer from three-fourths of costa to two-thirds of inner margin, obtusely angled on vein 6, then straight; the first line is preceded and the outer followed by a brownish-grey shade containing white dashes on veins, the outer broader and running straight to apex; submarginal line marked by a series of black spots on veins; cell-spot black; fringe concolorous, with pale tips.

*Hindwing*: with outer line only, slightly curved; costal area broadly white; cell-spot and submarginal spots as in forewing.

Underside very pale yellow freckled with greyish ochreous; the lines marked by thick greyish shades, not reaching in forewing below submedian fold; outer shade accompanied by a series of black vein-dots; cell-spots deep black.

Head, thorax, and dorsum yellow varied with fulvous; abdomen beneath, pectus, and legs pale yellowish; palpi externally and forelegs brownish.

Expanse of wings: 32—34 mm.

3 ♂♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

298. *Melinodes reversa* spec. nov.

*Forewing*: deep yellow, dappled with olive-grey; the lines accompanied by irregular tawny-brown shades, and marked by black dashes on veins, those of the inner line white-tipped basewards, those of the outer externally, that on vein I always expanded into a conspicuous white dash; the outer line is sinuous, excurved above and incurved below, the tawny shades of the lines becoming confluent below vein 2; submarginal line marked by olive-grey blotches on the veins; the tawny shade of outer line is produced externally on inner margin, between veins 3 and 4, and above vein 6, where it extends to the submarginal costal blotch; fringe dull yellow, flecked with olive; cell-spot diffuse, olive-grey.

*Hindwing*: with outer line only and the submarginal line of spots; costa pale yellow.

Underside paler yellow, with the markings duller.

Head, thorax, and abdomen yellow, varied with olive-grey.

Expanse of wings : 36—38 mm.

3 ♂♂ from Cnshi, Huánuco, Peru, 1900 m. (Hoffmanns).

Closely resembling *M. mera* Druce, but the course of the outer line is different.

299. *Melinodes subapicata* ab. *latimargo* nov.

Distinguished from the type-form by the much broader dark marginal area, the outer line being nearer the centre of wing and more strongly curved.

2 ♀♀, one from Pozuzo, Huánuco, Peru, 800—1000 m. (Hoffmanns), type ; the other from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Oekenden).

This will, I think, most probably prove to be a distinct species.

300. *Melinodes subspurcata* spec. nov.

*Forewing* : pale yellow, densely speckled with olive tawny, the basal area and marginal area of both wings somewhat tinged with tawny ; the veins tawny ; costa of forewing speckled with brown on basal half ; lines dark brown ; first from one-third of costa to one-third of inner margin, bent on subcostal vein, then straight, slightly oblique outwards ; outer line from four-fifths of costa to two-thirds of inner margin, bent on vein 6, marked, like inner line, with darker dashes on veins, and followed by white acute points ; cell-spot obscure, dark ; traces of darker submarginal blotches suggesting a line, especially below costa ; space between veins 3 and 4 filled in with olive-grey ; fringe olive-grey.

*Hindwing* : with the line just beyond middle, slightly bent outwards in middle.

Underside dull greyish ochreous, speckled, especially in forewing, with greyish fuscous ; the lines dull grey-brown.

Head, thorax, and abdomen like wings ; vertex pale ochreous : face and palpi externally grey-brown, lower half of face paler.

Expanse of wings : 30 mm.

3 ♂♂ from Charaplaya, Bolivia, June 1901 (Simons).

301. *Meticulodes amniculata* spec. nov.

Closely resembling *M. periculosaria* Oberth. and differentiated mainly by the outer line of forewing and by the underside. In Oberthür's species the outer line is fine and flexuous ; in *amniculata* it is evenly curved parallel to the outer margin, and forms a regular succession of lunules between the veins ; the angle of the inner line in cell is not so close to the white cell-mark as in *periculosaria* ; the marginal line in the present species is thick and black, the fringe dark grey, with a paler base ; in *periculosaria* the marginal line is fine, and the fringe dull grey-brown. In the hindwing the outer line in *amniculata* is straighter, and preceded on inner margin by some white streaks.

Underneath the present species is thickly suffused and strigulated with blackish, the inner margins on both wings paler and the markings indistinct ; in *periculosaria* the forewing is pale grey above the median with the cell clouded dark grey and a black marginal blotch from below apex to vein 2, the inner half of wing from base to margin much whiter ; and the hindwing is tinged with brown.

Expanse of wings : 48 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

302. *Meticulodes consimilis* spec. nov.

*Forewing*: pale grey, dusted with darker; the basal area, costal half of central area, and the outer marginal border darker grey; first line from one-fourth of costa oblique outwards and bluntly bent in cell, starting again from median vein at one-fourth and oblique outwards, as in *fraterna* Warr., to middle of inner margin, edged outwardly with black; outer line from three-fourths of costa, parallel in the main to outer margin, forming slight lunules between the veins, that on submedian fold the largest and that between 3 and 4 projecting, edged inwardly thickly with deep black; the interval between the lines below median vein very dark purplish grey, almost black; a whitish oval space on discocellular containing two minute superimposed black dots; the inner half of marginal area pale whitish grey (in one specimen with a darker grey cloudy line beyond the outer line), the outer half with its inner edge slightly darker and crenulate; a small white submarginal dot above vein 6, and a black one above 2; fringe luteous grey, denticulate at veins.

*Hindwing*: pale grey with a darker grey, pale-edged outer line, elbowed on submedian fold, preceded by a darker grey shading; fringe and outer margin dark grey.

Underside dark brown-grey with a faint rufous tinge; forewing with outer line double, blurred; inner marginal half glossy whitish; cell-spot white; hindwing more speckled throughout, but the inner half whitish; a black white-centred cell-spot, and black white-edged outer line.

Head and thorax dark grey; abdomen paler grey.

Expanse of wings: 44 mm.

2 ♂♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

Differs from *scitaria* Oberth. and *fraterna* Warr. by the absence of the ferruginous tints of the underside and of the yellow or fulvous spot beyond cell of forewing on upperside, and by the pale grey, not blackish, fringe.

303. *Meticulodes fraterna* spec. nov.

Very near *M. scitaria* Oberth., from which it may be distinguished by the following points. The inner line below the median vein is outwardly, not inwardly, oblique, running out to middle of inner margin; the outer line at vein 6 has no inner arm continued straight as a black line to inner margin; the outer arm runs as in *scitaria*, except that the projections above vein 4 and on the submedian fold are more rounded, less angular, than in *scitaria*; in *fraterna* again the space beyond cell to outer line is bronzy fulvous; in *scitaria* only the narrow space between the two arms of the outer line is pale yellowish; on the underside the coloration is less bright, the ferruginous apical areas paler, and the outer line is single.

Expanse of wings: 44 mm.

1 ♂ from Pozuzo, Huánuco, Peru, 800—1000 m. (Hoffmanns), type; 1 ♂ from Tinguri, Carabaya, Peru, 3400 ft., August 1904, dry season (Ockenden); and 1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Ockenden).

304. *Meticulodes hoffmannsi* spec. nov.

Closely allied to *M. castraria* Schans from South Brazil, but larger, and the costa of forewing is straight throughout, whereas in *castraria* it is visibly inflexed beyond the middle. In the forewing the inner line is much more obscure and in its lower course obsolete, so that the interval between the two lines cannot be called V-shaped, and remains of the brown-grey ground-colour; the outer line is fine, preceded by a slight tawny shade, concave outwards from costa to median and again below, the submedian interval being marked by a rounded protuberance, but otherwise without lunules between the veins; the pale streak, which in *castraria* fills the whole cell to outer line, is here restricted to the cell itself, at the end of which is an oval white spot containing two minute black dots one above the other; in the hindwing the outer line is not uniformly curved, with a white line following it, but elbowed on submedian fold and above vein 4 waved, and merely edged throughout with whitish.

Beneath the markings are much duller, especially the ferruginous costal tints.

Expanse of wings: 44 mm.

1 ♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

305. *Microgonia mexicata* ab. *incolorata* nov.

*Forewing*: with the ground-colour very pale lilac-grey, instead of deep lilac as in the type; the marginal area olive-tinged.

*Hindwing*: olive-ochreous, sometimes distinctly yellowish.

The lines in both wings are finer, and the white spot on inner margin beyond outer line of forewing generally dull and inconspicuous.

Underside of forewing tinged with yellow from base to outer line, not merely yellow towards apex only; marginal areas shining pearly whitish.

Thorax and abdomen cream-colour; head and shoulders pale yellowish.

5 ♂♂ from Sapucay, Paragnay, August and October 1901, and December 1902 (Foster).

In colour approaching *M. gilva* Schans; as far as I have seen, a southern form only.

306. *Microgonia mundata* ab. *crassior* nov.

Gnéné's type of *mundata* was from Brazil, and, as far as I have seen, southern specimens generally agree in being quite pale, with fine lines and no markings except towards anal angle of hindwing. Examples from Peru and Ecuador and other more northern localities differ in size (56 mm. instead of 46 mm.) and in colour, being suffused with ochraceous fawn-colour, thickly and coarsely speckled with darker, instead of being pale biscuit-colour with almost invisible striae; the lines are diffuse and thick, instead of slender, the outer line in both wings being sometimes double with a pale centre; the marginal area in both wings is traversed by a thick zigzag submarginal shade; in one strongly marked instance of this the pale underside bears also an irregular blackish submarginal band.

This form, which at first sight appears quite distinct, I propose to call aberr. *crassior*,

307. *Microsema flexilinea* spec. nov. and ab. *nubilata* nov.

♂. *Forewing*: pale ochreous, generally covered with fine linear brownish striae and dusted with coarse black speckling; lines brown-black; first at one-third, bracket-shaped, angled in cell before the black cell-spot, and again on submedian fold; the extreme base sometimes rather darker; outer line from costa just before apex to two-thirds of inner margin, always with a slight bend outwards in middle and edged by a fine pale line; fringe concolorous.

*Hindwing*: with costal area paler; the line central, just beyond cell-spot.

Underside whitish ochreous, with sparser speckling; lines as above, but thick; that on hindwing faint, joined on inner margin by a fine dentate-lunulate line running to costa before apex.

Head, thorax, and abdomen like wings.

♀ paler; the outer line triple, the line itself fine and marked by dots on the veins, preceded by a brown line and followed by a pale one as in the ♂.

Expanse of wings: ♂ 30—33 mm.; ♀ 40 mm.

The aberration *nubilata* has the central area beyond inner line filled in with a diffuse fuscous-brown cloud.

5 ♂♂, 1 ♀ from Sapucay, Paraguay, July—December 1901—1904 (Foster).

Of these 2 ♂♂ represent the aberration.

308. *Mimosema venata* spec. nov.

*Forewing*: pale fawn-colour, speckled with fine dark atoms; the veins all finely dark; costal edge red; lines thick, red-brown; first oblique outwards from about one-fourth of costa to middle of inner margin; outer straight from three-fourths of costa to four-fifths of inner margin; a red-brown oblique streak on discocellular; marginal line finely dark; fringe concolorous, red at base.

*Hindwing*: with the outer line only, from three-fourths of costa to anal angle; discal mark as in forewing.

Underside dull whitish, speckled with grey, most thickly in costal half of forewing and towards apex; outer line and cell-spots hardly marked.

Head, thorax, and abdomen like wings.

Expanse of wings: 36 mm.

1 ♀ from Limbani, Carabaya, Peru, 9500 ft., April 1904, dry season (Oeckenden).

309. *Mychonia brunnea* spec. nov.

*Forewing*: rufous ochreous, speckled with grey; costal edge white with black dots; lines brown; first at one-third, bent below costa and slightly oblique outwards; outer from three-fourths of costa to two-thirds of inner margin, forming a bluntly rounded projection above vein 6 towards outer margin, as in *M. flexilinea*, then incurved and slightly waved, parallel to outer margin; at costa edged with black scales, which extend along vein 7 to costa before apex, forming a rough semicircle; fringe dark brown with pale tips; cell-spot blackish.

*Hindwing*: paler, with the outer line only, sinuous, parallel to outer margin.

Underside paler, especially in hindwing, the speckling darker; the lines all marked; the outer line blackish at costa of forewing.

Head, thorax, and abdomen like wings; abdomen beneath whitish.

Expanse of wings: 35 mm.

1 ♀ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

310. *Mychonia cervina* spec. nov.

*Forewing*: reddish fawn-colour, palest in the marginal area, darkest in the central; lines deeper fawn-colour, marked by brown spots on veins; first from quite one-third of costa to two-fifths of inner margin, bent on subcostal vein, then vertical, edged by a faintly paler line towards base; outer line from five-sixths of costa, oblique outwards and bluntly angled above vein 6, then incurved but nearly straight to two-thirds of inner margin, edged outwardly by a distinct whitish line; a faint brown cell-spot; costa dotted with pale and dark; submarginal line marked by a white line from costa to angle of outer line; fringe with basal half reddish fawn, tipped with whitish.

*Hindwing*: quite pale fawn-colour, with a faint outer line, dotted on veins, before which the inner margin is rather darker.

Underside paler, speckled with fuscous; the outer lines and cell-spots marked.

Face, palpi, and vertex dark brown; thorax concolorous with forewing, abdomen with hindwing.

Expanse of wings: 29 mm.

1 ♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Ockenden).

As in the Oconeque specimens of aberrations *lutea* and *flexilinea* of *corticinaria* H. S., the outer margin of forewing is hardly elbowed; so that, though I have described the example as a separate species, owing to the difference in the lines and the coloration, it may eventually prove to be only a form of *corticinaria*.

311. *Mychonia corticinaria* H. S. and ab. *lutea* nov., *flexilinea* nov., and *nigromaculata* nov.

This species is evidently very variable, not only in coloration and markings, but even in the shape of the wings. The type is recorded from Brazil; this has the excision in the outer margin of forewing well marked. I have seen 2 ♂♂ from Loja, Ecuador, agreeing well in this respect. On the other hand, nearly all the Peruvian examples seen are not only larger on the average, but show the excision much less deep, and in some cases entirely absent, the vertical distance from apex to vein 4 appearing greater. This Peruvian form I distinguish as ab. *lutea*. The species described by me as *Asestra ustularia*, *Nor. Zool.* xi. p. 132, ♂ (1904), from Chulmaní, Bolivia, is, I find, merely a synonym of *corticinaria*. *Asestra albitumida* Warr., *Nor. Zool.* vii. p. 208, ♂ (1900), from Loja, Ecuador, is certainly an aberration. *Perusia superstes* Warr., *Nor. Zool.* xi. p. 166, ♂ (1904), from Santo Domingo, Carabaya, Peru, described from a specimen without perceptible elbow at vein 4, is another aberration, in which the lines are continuous instead of being represented by vein-spots, and the ground-colour is lemon yellow.

Another form, for which I propose the name *flexilinea* ab., agrees with *superstes* in having continuous lines, but the ground-colour is creamy ochreous, and the lines sometimes end on inner margin in brown blotches as in *superstes*, or in white ones as in *albitumida*.



Of the typical *corticinaria* H. S. and the ab. *albitumida* Warr. I have seen ♀♀ corresponding exactly with the ♂♂; a third very distinct form, of the ♀ only, has the ground-colour warm ochreous, thickly black-speckled, with both lines thick and black at their extremities on costa and inner margin.

The types of this, which I have named *nigromaculata*, are from Jimbani, Carabaya, Peru. Those of ab. *lutea* are from Cushi, Hnánuco, Peru, 1900 m. (Hoffmanns), three examples, also a single example from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden), differing from the Cushi specimens in having scarcely an elbow at vein 4.

Of ab. *flexilinea* the type, a ♂, is from La Oroya, R. Inambari, Carabaya, Peru, 3100 ft., September 1904, dry season (Oekenden), the lines ending in brown shades; 2 ♂♂ from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oekenden), have the lines ending in white blotches as in *albitumida*, while other two, one from Oconeque and one from Cushi, have the lines simple, the Cushi example agreeing with the examples of *lutea* from the same place in having the elbow at vein 4 much stronger.

### 312. *Mychonia melanospila* spec. nov.

*Forewing*: dark fawn-colour, with two dark cross-lines; first at one-third angled in cell before the black cell-spot, then oblique inwards; outer line from five-sixths of costa, bluntly angled on vein 7, then oblique to two-thirds of inner margin, brown edged by a pale line; the middle space tinged with brown; a diffuse blackish blotch at anal angle reaching vein 4; fringe brown.

*Hindwing*: with the line central, beyond the black cell-spot.

Underside paler, dirty whitish, with thick speckling, more or less suffused with pale brown; cell-spots black; outer lines marked by black vein-spots; marginal area purplish grey; inner margin of forewing white.

Head, thorax, and abdomen brown.

Expanse of wings: 28 mm.

3 ♂♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Oekenden).

Near *M. excisa* Warr. from Mexico.

### 313. *Mychonia violacea* spec. nov.

*Forewing*: greyish flesh-colour; the lines, formed by spots on the veins, dark purplish, edged on costa with white, and ending at inner margin in obscure pale yellowish blotches; basal half of fringe deep violet-brown, outer half white tipped with grey; cell-spot fuscous.

*Hindwing*: whitish, with an outer row of spots; fringe whitish with purple base.

Head, thorax, and abdomen like wings.

Underside paler, speckled with fuscous, with the outer lines marked.

Expanse of wings: 30 mm.

A second specimen is olive-grey instead of flesh-colour; the lines becoming obsolete before inner margin; the inner line marked by a vertical purplish-brown shade; the costa strongly dotted white and purple; fringe at base rust-colour.

Both examples are ♂♂ from Cushi, Hnánuco, Peru, 1900 m. (Hoffmanns).

In this species the excision below apex of forewing is deeper even than in typical *corticinaria* H.S.

314. *Nematocampa interrupta* spec. nov.

*Forewing* : bone-colour, covered with rust-red speckling, more strongly in the ♀ ; costa and lines red-brown ; first line at one-third, thick, vertical ; outer line oblique outwards from two-thirds of costa to vein 5, where it touches a small submarginal spot, which is again connected with a red-brown spot on outer margin ; the line ends at two-thirds of inner margin as a short curved streak to vein 2 ; between 2 and 5 the line is obsolete, except in the ♀, where there are faint traces of it only ; a dark black-brown submarginal blotch before anal angle touching another from outer margin ; marginal line thick, black-brown ; fringe reddish brown ; cell-spot minute.

*Hindwing* : with marginal line black-brown, and crenulate ; a black cell-spot, followed by a sinuous red-brown outer line, which is distinct only in the ♀.

Underside suffused throughout in the ♀ with pale brownish, in the ♂ only in costal half of forewing ; cell-spots and marginal lines dark brown ; fringe pale brown ; costa of forewing in ♂ brown at base ; a deeper rusty cloud at two-thirds of costa before a distinctly white apical blotch.

Head, thorax, and abdomen like wings ; dorsum with a double red-brown stripe.

Expanse of wings ; ♂ 20 mm. ; ♀ 24 mm.

2 ♂♂, 1 ♀ from Tinguri, Carabaya, Pern, 3400 ft., August 1904, dry season (Oekenden).

Belongs to the group including *benescripta* Warr. from Chiriqui, *confusa* Warr. from Pern, and *falsa* Warr. from French Guiana.

315. *Paracomistis analiplaga* nom. nov.

*Cabira lignicolor* Warr., *Nov. Zool.* xi. p. 125 (1904).

Since the description of this species was made I have seen several other examples, and am satisfied that the original reference to *Cabira*, of which *ochropurpuraria* H.S. is the type, was wrong. The transfer to its proper genus *Paracomistis* will necessitate an alteration in its specific name as well, the original type-species of that genus being already named *lignicolor*.

316. *Paracomistis orbiferata* spec. nov.

*Forewing* : pale ochreous, with fine brown speckling ; costa sometimes dark in basal third ; inner line hardly marked, except by black dots on median and submedian veins ; outer line smoky grey, marked throughout by rather prominent black vein-spots, those on veins 5 and 6 much displaced basewards, from five-sixths of costa to just beyond middle of inner margin ; a large round black cell-spot, followed by a very obscure brownish median shade, which approaches outer line on inner margin ; black dots at end of veins on margin ; fringe ochreous.

*Hindwing* : without basal line ; the median shade rather stronger, preceding cell-spot.

Underside paler, with brown speckling towards costa of forewing, where the outer line forms a blackish smudge : cell-spots smaller and black ; marginal spots black.

Head, thorax, and abdomen ochreous ; legs ochreous, externally, like the palpi, fuscous ; antennal pectinations fuscous, the shaft annulated dark and light,

Expanse of wings : ♂ 25—28 mm.

2 ♂♂, one from Oconeque, Carabaya, Peru, 7000 ft., July 1904, dry season (Oeckenden), type; the other from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Oeckenden).

The type is the larger and paler of the two.

### 317. *Paragonia densicornis* spec. nov.

Extremely like *P. longidens* Warr., but the ground-colour paler, greyer, more speckled with dark; the lines more distinct; the subapical costal spot not white, but of the ground colour, with slightly paler edging. The two points in which, however, it differs especially are, first, that the outer margin of hindwing is crenulate from apex to middle, instead of being straight; and secondly the tuberculate processes of the antennae of the ♂ are much shorter, though capped with a similar curved bristle; the antennal shaft also appears darker.

Expanse of wings : ♂ 52 mm.

1 ♂ from Sapucay, Paraguay, September 1904 (Foster). I have seen several others from the same locality, but passed them by in mistake for *longidens*, which comes from Ecuador and Peru.

### 318. *Paragonia inornata* spec. nov.

*Forewing* : dull greyish brown, speckled with fuscous, the costal area above subcostal vein somewhat paler; the lines lunulate-dentate, the lunules in part filled in with dull olive and whitish scales; first line vertical from one-third of costa to one-fourth of inner margin, faint towards costa; a small black cell-spot of raised scales, followed by an obscure, nearly vertical, brownish median shade; outer line from three-fourths of costa, obliquely curved outwards to vein 7, there angled and oblique inwards to two-thirds of inner margin, interrupted entirely between veins 2 and 4; submarginal line marked by black spots on the veins; costal area between outer line and apex darkened with olive and grey scales, but these do not form a definite blotch; fringe concolorous.

*Hindwing* : with cell-spot and three slightly marked darker shades, median, postmedian, and marginal.

Underside pale dull brownish ochreous, speckled with grey; a broad submarginal slightly browner band; marginal area dull lilac-grey.

Thorax and abdomen like wings; shoulders paler and brighter; head and collar grey-brown.

Expanse of wings : 52 mm.

1 ♀ from R. Cayapas, N.W. Ecuador (Flemming & Miketta).

The outer margins of the wings are without crenulations, as in *occiduata* Guen. and *planimargo* Warr.; the forewing shortly falcate, and both wings angled at vein 4; the ♂ of *planimargo*, which it most resembles, is paler and has a large white costo-apical blotch.

### 319. *Paragonia pubicornis* spec. nov.

Also, like the preceding species *densicornis* extremely like *P. longidens*, not differing in colour or markings; but as in *densicornis* the outer margin of hindwing is crenulate above middle; and secondly the antennae differ still more

strongly, being simply subserrate and pubescent, with shorter and straighter bristles.

The single ♂ is from Pozuzo, Huánuco, Peru, 900 m. (Hoffmanns), whence also four examples of typical *longidens*.

### 320. *Pergama delauta* spec. nov.

Like *P. speciosata* Guen., but very much smaller and paler; the ground-colour beyond the dark central fascia being white; an olive patch on outer margin from vein 7 to 4 and a smaller one at anal angle, the two united by an outwardly curved shade beyond which the margin is yellowish; a short dark olive cloud oblique inwards from before each patch, the upper reaching vein 4, the lower touching vein 2; fringe olive.

Hindwing white, washed with yellowish and faintly grey-speckled; no distinct outer line, but a curved grey streak from apex towards anal angle and a short brown one from the angle to vein 3; a distinct blackish line of marginal lunules.

Underside without any reddish fulvous marginal blotches, the white ground-colour being merely washed with yellowish and striated with fuscous in the hindwing, the two streaks dark brown, the curved one with an inner pale edge; in the forewing the costa is concisely white, the rest of the wing blurred white with the dark markings showing through; apex whitish preceded by three connected olive streaks pointing basewards, the upper and middle one limiting a yellow brown-streaked patch, the middle and lower a white blotch; the margin below middle also yellow.

Head white or whitish grey; thorax and abdomen olive-ochreous; shoulders grey.

Expanse of wings: 36 mm.

1 ♂ from La Union, Cauca River, October 1902 (Klages).

In the British Museum are two ♀♀ from Guatemala, from the Godman and Salvin collection, rather larger than this ♂, but certainly the same species and not differing in colour from the ♂; the ♀ of *speciosata* (*divora* Butler) differs decidedly from its ♂.

### 321. *Pergama dissimilis* ab. *perfusa* nov.

Typical *dissimilis* Warr., has the basal two-thirds of forewing dark leaden fuscous, and the marginal third pale ochreous: in the aberration the whole wing is pale leaden grey, with the two brown lines alone marked.

The hindwing and the underside of both wings remain as in the type.

Head, thorax and dorsum pale grey like the forewing, without any dark admixture.

Expanse of wings: 36—42 mm.

4 ♂♂ from Sapucay, Paragnay, November 1904 (Foster), accompanied by others of the typical form, and by three ♀♀, which correspond, except in their smaller size, with typical ♀♀ of *pumaria* Feld. (= *amanda* Druce).

### 322. *Pero coracina* spec. nov.

Like *P. clysiaria* Feld. in markings, but the ground-colour much darker, deep olive-fuscous; the pale triangular space on costa of forewing smaller, clouded with grey striae and brownish-tinged, except round the white discal spot, where

it is yellow; the outer line preceded by a brown shade; submarginal dots black and white; hindwing also much darker; the white hyaline cell-spot large and conspicuous, followed by a small dull yellow patch; the line more strongly dentate.

Underside grey uniformly striated with darker, without any tinge of brown; the marginal and submarginal blotches blacker.

Expanse of wings: 40 mm.

1 ♂ from Sapucay, Paraguay, November 1904 (Foster).

The smaller size and deeper ground-colour distinguish the species at once.

### 323. *Pero inferna* spec. nov.

*Forewing*: deep purple-black, except the marginal area beyond outer line below the apical black patch, which is dull grey-brown, thickly striated with dark brown; the two lines, shaped nearly as in *xylocharia*, are edged, the first outwardly, and the second inwardly, with deep velvety black; cell-spot small, formed of pale yellow scales; a purplish black apical shade from costal end of outer line to end of vein 3; fringe purplish black, below 3 brownish.

*Hindwing*: black; the outer line visible, and marked above anal angle by an angled streak of tawny scales, some of which spread along margin and basewards along vein 1; a yellow submarginal dot above vein 6.

Underside dull purple black; cell-spots white, small in forewing, larger, with black centre, in hindwing; outer line traceable in both wings, on costa of forewing marked by a small pale spot; a whitish submarginal cloud between veins 2 and 3; a white submarginal dot in hindwing above vein 6.

Head, thorax, and abdomen all black; tibiae and tarsi ochreous, those of the forelegs only mottled with dark.

Expanse of wings: 52 mm.

1 ♂ from Limbani, Carabaya, Peru, 9500 ft., April 1904, dry season (Ockenden).

### 324. *Pero lactelineata* spec. nov.

*Forewing*: pale grey, tinged with fulvous in basal area, paler, more pinkish grey in the marginal, the central field dark brown; first line from one-fourth of costa to one-third of inner margin, shortly oblique outwards and rounded at end in cell, then vertical with two faint curves; outer line from three-fourths of costa to three-fifths of inner margin, incurved from vein 4 to 2, and outcurved on submedian fold; costal portion of inner line followed by a dull yellow costal patch bounded outwardly by an oval white cell-spot; in the sinus of outer line a dark grey cloud; apex marked with a brown and grey triangle; a slight fulvous cloud before anal angle, edged on each side with paler; fringe grey below vein 6, brown above it; a black white-tipped dot before margin on each side of 6.

*Hindwing*: dark grey, the costal area whitish; a straight white line beyond middle inwardly dark-edged; a dull blackish cell-spot; anal area fulvous; a black submarginal dot on each side of vein 2, and a black-and-white one above 6.

Underside pale grey, washed with fulvous and speckled with black; inner margin of forewing glossy white; cell-spot and outer line, which is straight, white; costa black-speckled; apex blackish; hindwing with a broad irregularly waved white line, inwardly dark-edged, expanding into a white blotch on inner margin; cell-spot black; submarginal black-and-white dots on both wings.

Head and thorax pale fulvons grey; abdomen brown above, pale grey beneath; anal tuft white; legs mottled pale and grey-brown.

Expanse of wings: 38 mm.

1 ♂ from Pozuzo, Huánuco, Peru, 800—1000 m. (Hoffmanns), type. Also from Palcazu, Peru, and from French Guiana.

Forewing with a slight blunt tooth at vein 6, rounded below; hindwing rounded; antennae pubescent.

### 325. *Pero maculicosta*.

*Azelina maculicosta* Warr., *Nov. Zool.* iv. p. 488, ♂ (1897).

The ♀ of this species is wholly dark wood-brown, speckled with darker; the usual pale costal patch of the ♂ scarcely lighter than the rest of the wing: the outer margin of the forewing forms an acute tooth at apex, a prominent one at vein 6, and a large nasiform projection beyond 4 and 3, below which to vein 2 it is incised. The hindwing likewise has a much more prominent tooth at vein 3 than the ♂. The outer line of forewing, instead of being blackish, is marked by a fine whitish line.

The example from which this description is taken came with two typical ♂♂ from Sapucay, Paraguay (Foster), the ♀ dated October 1900, the ♂♂ September 1902 and October 1904.

### 326. *Pero? simplex* spec. nov.

*Forewing*: uniform greyish fawn-colour, dusted with dark atoms; the veins finely darker; lines brown; first thin and hardly visible, forming three outward curves, of which the upper one projects, as usual, beyond the others towards an indistinct dark cell-spot; outer line slightly curved, from three-fourths of costa to two-thirds of inner margin, edged outwardly by a fine pale line and inwardly by a broad brown shade of uniform width; some black submarginal dots; fringe colorous; the central area is slightly browner than the rest of wing.

*Hindwing*: with the outer line less distinct.

Underside paler, greyer brown, dusted with black; the outer line marked only below costa of forewing.

Head, thorax, and abdomen like wings.

Expanse of wings: 42 mm.

2 ♀♀ from Sapucay, Paraguay, October 1901 and January 1905 (Foster).

Apex of forewing acute; outer margin strongly bulged below middle; a very slight tooth at vein 6; hindwing rounded.

### 327. *Perusia prasina* spec. nov.

*Forewing*: whitish green, thickly brown-speckled; costa rufous and fuscous, bright ferruginous at base; crossed by two lines of brown spots on veins; first from two-fifths of costa to middle of inner margin, consisting of five spots, one on subcostal, median, and submedian veins and one on vein 2 and inner margin, the spots below middle slightly connected by grey shading; outer line from an oblique brown costal streak at five-sixths to close before anal angle, the spots more ferruginous, the two on veins 6 and 7 nearer margin than the rest, and none at all on vein 5; beyond the costal streak are two brown costal spots; fringe green.

*Hindwing*: with slight brown cell-spot, and a submarginal row of dark spots parallel to outer margin.

Underside whiter green; forewing with costal area striated with brown, and with a brown apical blotch on costa; both wings with large brown cell-spots and submarginal series of spots, these last often obsolete in whole or in part.

Head and antennae brownish; back of crown, thorax, and abdomen green.

Expanse of wings: 30—35 mm.

4 ♂♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

### 328. *Perusia viridis* spec. nov.

*Forewing*: bright green, sparsely speckled with ferruginous; costal edge fuscous with grey speckles, in one example bright ferruginous; crossed by two rows of spots, as in *prasina*, but much less prominent and often absent; the first generally represented only by a spot on subcostal and submedian; the outer row, instead of going to anal angle, is bent inwards, so that the lowest spot on vein 1 is close to the corresponding spot of the inner series; the costal blotches before apex smaller and duller; fringe yellow.

*Hindwing*: without cell-spot; the submarginal series represented by spots on costa and at anal angle.

Underside pale yellow, with cell-spots and submarginal spots brown; these generally obsolete in forewing, except at costa; costa of forewing brown-speckled towards base; the inner margin whitish.

Head, thorax, and abdomen green; anal segment and tufts, abdomen at sides and beneath, legs, and palpi greenish drab; forelegs brown in front; collar fuscous like costal streak; bright ferruginous in the example with ferruginous costa.

Expanse of wings: 30—35 mm.

4 ♂♂ from Cushi, Huánuco, Peru, 1900 m. (Hoffmanns).

The occurrence of two green *Perusia* from the same locality is interesting; the two species are palpably distinct.

### 329. *Polla albipuncta* Warr.

This species was described from a ♂ (*Proc. U. S. Nat. Mus.* xxx. p. 554 (1906)).

The ♀ has the blunt elbows in the outer margin of both wings developed into strong angulations, that in the hindwing almost forming a tail. The apex of forewing is produced, and the margin beneath it concave. The white dots of the outer lines are scarcely visible, and the white markings on costa before apex of forewing less obvious.

1 ♀ from Sapucay, Paraguay, September 1900 (Foster).

### 330. *Polla inquinata* spec. nov.

*Forewing*: dark reddish-fawn, darkest towards anal angle; costa dotted with black; inner line shown only on inner margin near base, where an oblique curved black streak runs to base of vein 2, marked on the three veins by faint white dashes; cell-spot black; from two-thirds of costa an oblique bluish-white streak runs to vein 7, is there sharply angled, and continued as a sinuous series of white spots on veins to just beyond middle of inner margin, the spots on veins 3, 2, 1 followed by black blotches; from just before apex a bluish-white line runs inwards to the angle of outer line, is then interrupted, and reappears on veins 3, 2, 1 as three large submarginal black blotches, in the ♀ united to form a zigzag black marking; inner margin with scattered black striae; fringe concolorous.

*Hindwing*: darker; with a blackish shade close to base, a diffuse blackish central shade, marked by white dashes on veins, following the black cell-spot, and developing into a large black patch on inner margin; a zigzag black submarginal marking from anal angle.

Underside duller, paler, the hindwing with a faint bluish-white flush, both black-speckled; a brown marginal border on both wings, in the forewing with the black zigzag anal streak shown, and a black mark on costa before the slightly paler apex; cell-spots black.

Face brown; vertex whitish; shoulders, patagia, and thorax very pale ochreous; abdomen brown, with the basal and anal segments of dorsum blackish marked.

Expanse of wings: 44 mm.

1 ♂, 1 ♀ from La Oroya, R. Inambari, Carabaya, Peru, 3100 ft., September 1904, dry season (Ockenden).

♂ with outer margin of both wings curved; ♀ with it strongly angled at middle, and the apex of forewing acutely produced, as in *Polla albipuncta* Warr.

### 331. *Polla nigriseriata* spec. nov.

*Forewing*: greyish brown, thickly sprinkled with black striae; lines very obscure; first oblique inwards, to one-fifth of inner margin, with a dark mark on costa at one-third, below which it is angled; a brown streak at two-thirds, oblique outwards, angled on vein 7, then oblique inwards to middle of inner margin; an inwardly oblique white streak from costa just before apex emitting fine white lines along veins 7, 8, 9, and marked by small white dots on veins 6 and 5, below which two divergent series of black spots on veins run to inner margin, the outer one to anal angle, those of the inner row sometimes minutely tipped with white; cell-spot black; fringe concolorous.

*Hindwing*: with the two series of black spots and an antemedian dark line from inner margin, all obsolete above vein 4; cell-spot black; costa whitish grey.

Underside paler; outer line marked by bluish-white vein-dashes on forewing, and becoming distinctly lunulate-dentate on hindwing; marginal area beyond it browner with traces of a submarginal series of white dashes in hindwing, less distinct on forewing, but connected at anal angle by a black zigzag line; cell-spots black.

Head, thorax, and abdomen concolorous with wings; shoulders and base of patagia pale ochreous; legs mottled fuscous and whitish.

Expanse of wings: 38 mm.

2 ♂♂ from Sapucay, Paraguay, November 1903, and October 1904 (Foster).

Evidently allied to *P. vararia* Schaus from Brazil; perhaps a dark form of it.

### 332. *Polla olivacea* spec. nov.

*Forewing*: dull olive-green on a dark iron-grey ground, which shows up in proportion as the olive scales are abraded; costa finely streaked with black; inner line visible only as an iron-grey oblique streak from one-half of inner margin to the origin of vein 2; two white costal streaks before apex, meeting on vein 7; the inner, representing outer line, marked with dark at costa, angled on vein 7, and produced to middle of inner margin as a sinuous row of white vein-dots, which are plainer above middle; fringe olive-green; cell-spot black.



*Hindwing* : much more striated with blackish ; a streak at base and the cell-spot black ; costa iron-grey ; no distinct line ; fringe rufous.

Underside dull lilac-grey, the marginal border darker ; cell-spot black ; fringe rufous.

Head blackish ; shoulders and patagia pale ochreous ; dorsum iron-grey, the third and fourth segments and anal tuft olive ; abdomen below paler ; legs mottled fuscous and ochreous.

Expanse of wings : 40 mm.

1 ♂ from La Oroya, R. Inambari, Carabaya, Peru, 3100 ft., September 1904, dry season (Oekenden).

### 333. *Pyrinia angulimargo* spec. nov.

*Forewing* : pale ochreous, suffused with olive ; costa with dark-brown striae ; a purplish-brown blotch at end of cell, with the discocellular marked by pearl-grey scales along its centre ; a smaller brown spot on the submedian fold, obliquely below it, preceded by a faint oblique shade ; outer line thick and diffuse, purple-brown, from two-thirds of inner margin towards apex, interrupted at vein 5, and retracted to costa at four-fifths ; this line lies in a purplish shade, the inner edge of which is marked by a pale line ; on the costa the line is edged externally by a slight lustrous streak ; marginal area dark chestnut-brown, containing a fine submarginal line, swollen into black spots on veins 4, 3, 2 and 1, the last much larger and edged with pale scales ; fringe purple-brown.

*Hindwing* : with a double purple-brown central line, with some pearly scales in the middle, and a purplish shade beyond ; outer area tawny brown, darker at apex.

Underside yellow, striated with reddish ; the two middle spots of forewing and middle band of hindwing red-brown ; marginal border of forewing deep red-brown, forked at inner margin ; of hindwing pale brick-red.

Head and palpi red-brown ; thorax and abdomen pale ochreous, the anal half browner.

Expanse of wings : 26 mm.

1 ♂ from La Oroya, R. Inambari, Peru, 3100 ft., September 1904, dry season (Oekenden).

The outer margin of hindwing is truncate from apex to vein 6, thence straight to anal angle.

The antennae are armed with tuberculate fascicles of cilia.

### 334. *Sicya obscurissima* Th.-Mg.

*Sicya obscurissima* Th.-Mg., *Bull. S. E. Fr.* p. 92 (1894).

*Pseustoplaca diversicolor* Warr., *Nov. Zool.* ii. p. 154 (1895).

This species is a true *Sicya*, though differing so much in colour from others of the genus, and my genus *Pseustoplaca* was quite unnecessary.