

5. *Hermetia coarctata*.

Hermetia coarctata, Macq. Dipt. Ex. Suppl. i. p. 50, t. 5. f. 4¹; Bellardi, Saggio &c. i. p. 24; Schiner, Reise d. Novara, p. 70².

Hab. MEXICO, Merida in Yucatan¹.—SOUTH AMERICA².

A single specimen (a female from Presidio, Mexico, collected by Forrer) agrees with the descriptions, with the following differences: the scapus as well as the annulate portion of the third joint of the antennæ are reddish; only the tip of the annulate portion as well as the long lamelliform vane-like style are black; the palpi are red; the legs are altogether red, except the coxæ and the base of the posterior femora. The colouring of the head is the same as that of several other *Hermetiæ*: there is a greenish-white spot in the middle of the face; the facial orbits are silvery; besides the pair of whitish spots on the front near the orbits, there is a similar pair higher on the vertex. The stigma is brown (as Macquart describes it). The short stump of a vein, inside of the discal cell, mentioned by Schiner, is less than a rudiment in our specimen. The only important differences consist in the colour of the palpi and legs, and even these may be due to variation; the agreement in other respects is so great that I do not doubt of the specific identity, the more so as Macquart's specimen was likewise from Mexico.

The eyes are green, with purple transverse streaks and dots, which are not placed quite so close together as in *H. illucens*.

6. *Hermetia illucens*.

Hermetia illucens (Linn.), Wiedem. Aussereur. zweifl. Ins. ii. p. 22, t. 7. f. 3 (for the rest of the synonymy compare O. Sacken, Catal. N. A. Dipt. 1878, p. 46).

Hab. SOUTHERN UNITED STATES.—MEXICO; GUATEMALA, San Gerónimo (*Champion*); COSTA RICA, Cache (*Rogers*); PANAMA, David in Chiriqui (*Champion*).—SOUTH AMERICA.

I have before me five Central-American examples of this well-known species; their average size seems to be *smaller* than that of the specimens from the United States.

7. *Hermetia formica*, sp. n., ♀.

Brown, at the base of the second abdominal segment a transverse, yellowish, pellucid spot; antennal style very narrow, white; wings yellowish.

Length about 19 millim.

Hab. PANAMA, Bugaba 800 to 1500 feet (*Champion*).

Head broader than the thorax, brown, the face paler; front beset with brown and black hairs, the face with a yellowish pubescence more dense along the orbits; the front has the usual bump below the ocelli. First joint of the antennæ rather long, the annulate portion of the third joint about as long as the vane-like style; the latter is unusually narrow and pointed, giving the whole antenna a different appearance from that of an ordinary