

*Hermetia*; the colour of the style is yellowish-white, that of the rest of the antennæ reddish-brown. Thorax dark brown; shining on the sides, less so on the dorsum, on account of a dense short pubescence; the latter dark brown, with the exception of two rufous stripes, which are interrupted anteriorly and coalesce posteriorly into a square of rufous pile between the suture and the scutellum; a fringe of rufous hairs along the mesopleural suture. Abdomen elongate, gradually, but moderately, expanding from the base to the tip, very convex, dark brown, with opalescent reflections; in some places a microscopic appressed pubescence is visible, which does not materially affect the ground-colour; on the sides of the three basal segments the pubescence looks reddish in a certain light, on the middle of the apical segments it is greyer in tint; a transverse, yellow, pellucid spot on the incisure between the first and second segments, not reaching the lateral margins; venter yellow, pellucid at the base, the remainder dark brown, shining. Halteres brownish-yellow. Coxæ and femora brown; tibiæ and tarsi yellowish-brown; knees and base of the tibiæ brownish-yellow; the hind tibiæ darker. Wings with a decided yellowish tinge, more saturate yellow along the costa.

A single male.

N.B.—This species is different in shape from an ordinary *Hermetia*, for instance *H. illucens*; the thorax is more convex, but narrower; the abdomen comparatively longer, and much more convex, especially on its distal half. The comparatively shorter antennæ, with their short and narrow style, also contribute to give *H. formica* a peculiar appearance. The name was suggested by its resemblance to the winged male of a large ant, e. g. *Formica herculeana*.

The eyes (revived on wet sand) are of a uniform dark brownish-bronze colour.

### 8. *Hermetia pterocausta*, sp. n. (Tab. I. fig. 5.)

Brown; abdomen without pellucid spot; wings yellowish, the apex brown; legs yellow, the greater part of the femora brown.

Length 14–15 millim.

*Hab.* PANAMA, Bugaba (*Champion*).

Head brown, with paler yellowish spots on the middle of the face, above the antennæ (near the orbits), on the frontal bump, and on both sides of the vertex; pale yellowish-golden hairs on both sides of the face, and some few also on the yellowish spot on each side of the front; the rest of the front and vertex with a short, black, erect pubescence. Antennæ black, reddish-brown at the base. Thorax dark brown; two more or less distinct stripes of reddish-golden hairs in the middle of the mesonotum; similar hairs on each side of the mesonotum, above the dorso-pleural suture and in front of the scutellum; a fringe of reddish hair on the pleuræ; humeral and post-alar callosities, also the tip of the scutellum, yellowish-brown. Halteres yellowish. Abdomen uniformly dark brown, moderately shining, with a trace of golden pubescence on the hind margin of the second segment; in shape comparatively broad, with parallel sides, and moderately