

Thorax brownish-black, sometimes reddish behind the humeri; on the anterior part of the dorsum are three short stripes of appressed golden pubescence (the intermediate one reaching the suture, the lateral ones oblique and extending only a very short distance behind the humeri); fringes of similar golden-yellow pile along the dorso-pleural and meso-pleural sutures and in front of the scutellum; the interval between the latter fringe and the red scutellum is deep black; pleuræ, sternum, and metanotum dark brown; mesosternum and metanotum beset with golden pile. Halteres with a yellow knob. Coxæ dark brown with golden pile; legs rufous; hind tarsi whitish-yellow at the base; in darker specimens the hind femora are infuscated on the distal half, and the other femora and some of the tibiæ show traces of brown. The anterior half of the wing, as far as the fourth vein and including the discal cell, is brown, slightly ferruginous at the base and along the costa; the apex and the posterior margin are of a paler brown; between the two colours there is a cuneiform hyaline stripe, which begins in the third posterior cell, crosses the fourth and fifth near their bases, and occupies the whole middle portion of the anal cell, and the proximal half of the auxiliary and spurious cells, including the alula. Abdomen dark brown, nearly black, more or less reddish along the sides; its rather convex upper surface densely clothed with an appressed golden pubescence, which, in an oblique light, is especially apparent along the hind margins of segments 2-4; narrow at the base, expanded on the second segment, and from that point to the tip gradually attenuated. Venter dark brown or black, with a similar golden pubescence.

Three specimens.

The eyes (revived on wet sand) show a design of zigzag lines on green ground.

I have seen examples in the Berlin Museum (Mexico, *Ehrenberg*). Specimens in the museum in Vienna bear the collection-name *H. mexicana*, Schin., and are alluded to by Dr. Brauer (Sitzungber. d. k. Acad. d. Wiss. Wien, 1885, p. 152) as showing a remarkable mimetic resemblance to certain species of *Polistes*.

3. *Hermetia crabro*, sp. n. (Tab. I. fig. 4.)

Eyes densely pubescent; wings brown along the costa, as far as the fourth vein; suture between the first and second segments with a narrow transverse pellucid spot; body black, some lines formed by golden-yellow pile on the thorax; abdomen comparatively short, broad and convex.

Length 11-12 millim.

Hab. GUATEMALA, El Reposo 800 feet (*Champion*).

Head black, with some traces of brownish-yellow in the middle of the face; a yellow spot on each side, near the eye, a little above the level of the root of the antennæ; another spot higher up, almost on a level with the ocelli; facial orbits somewhat pale, and beset with a yellowish-white pubescence; some pile of the same colour on the front; that on the vertex black; frontal bump with four deep grooves; eyes densely pubescent, green, with numerous purple transverse streaks connected at their ends. Antennæ