

rather sharply shagreened. Whole surface of head sparsely punctate, the punctures being more numerous on the mandibles, cheeks, clypeus and front than on the sides, posterior corners and occiput. Thorax shining, the pro- and mesonotum finely, the pleuræ, epinotum and petiole more coarsely shagreened, so that these parts are more opaque. Pro- and mesonotum coarsely and sparsely punctate. Gaster glossy, its surface coarsely and transversely shagreened and covered with small piligerous punctures. Legs shining, delicately shagreened.

Hairs and pubescence pale yellowish; the former long, sparse and erect on the upper surface of the head and thorax, on the gula, border of petiole and dorsal and ventral surfaces of the gaster. Tips of femora and antennal scapes with a few short hairs. Pubescence sparse, short and inconspicuous on the head, thoracic dorsum, legs and scapes, longer on the upper surface of the gaster. Sides of head without hairs or pubescence. Hind tibiae without bristles along their flexor surfaces.

Deep black; antennal funiculi and sometimes also the legs, mandibles, clypeus, anterior border of the head and thoracic sutures more or less tinged with dark brown or red; posterior borders of gastric segments brownish yellow, with a golden reflection.

*Worker Minor.*—Length 3.5–6 mm.

Differing from the worker major in the small size and shape of the head, which is somewhat longer than broad, with less convex sides and more nearly straight posterior border. Mandibles 5-toothed. Clypeus subcarinate, the notch in the middle of its anterior border small and indistinct. Antennal scapes reaching nearly one-third their length beyond the posterior corners of the head. Eyes rather large, very feebly convex.

Sculpture, pilosity and color as in the worker major, except that the sides and posterior portions of the head are less shining, the mandibles are red and the sparse pubescence is more conspicuous on the upper surface of the head and thorax.

*Female.*—Length 9–11 mm.

Resembling the worker major. Head longer than broad, a little broader behind than in front, with straight sides and posterior border. Antennal scapes reaching a little beyond the posterior corners. Thorax through the wing insertions as broad as the head. Epinotum with short, convex base and longer, abrupt declivity. Petiole in profile narrowed from the base upward to a sharp border, which is rounded, entire and slightly produced in the middle line when seen from behind. Wings long (10 mm.).

Sculpture, pilosity and color much as in the worker major, except that the pronotum and scutellum are more glabrous and shining and the upper surface of the gaster is smoother and less glossy. Wings tinged with brownish; veins and stigma pale brown.

*Male.*—Length 7–8 mm.

Head, including the eyes, as long as broad, rounded behind, with straight