

of its anterior border moderately produced, rather narrow, with very faintly sinuous median edge and rounded lateral corners. Frontal carinæ lyrate, rather closely approximated. Antennal scapes terete at the base, neither dilated nor flattened, enlarged towards their tips. Thorax slender, low, evenly arched above in profile; epinotum with the base fully twice as long as the declivity, which is slightly concave. Petiole rather high and narrow, with convex anterior and flattened posterior surface and blunt lateral and upper border. Legs rather long; middle and hind tibiæ triangular in cross-section, with sulcate anterior surface.

Head, thorax and petiole subopaque, very densely and finely shagreened. Mandibles shining, coarsely striato-punctate. Anterior border of cheeks and clypeus shining, cheeks and sides of head with small, elongate punctures or foveolæ; clypeus and inner borders of frontal carinæ, pro- and mesonotum with a few coarse piligerous punctures. Gaster finely and superficially shagreened, shining.

Hairs yellowish, erect, moderately abundant on the dorsal surface, very short and appressed on the antennal scapes and legs; femora with a few long hairs on their flexor surfaces; bristles lacking on the flexor surfaces of the tibiæ. Cheeks without erect hairs, those on the anterior border of the clypeus short and inconspicuous. Funiculi with very minute erect hairs. Pubescence very sparse, short on the head and thorax, somewhat longer on the gaster.

Ferruginous brown; head darker than the thorax, and the upper surface of the latter often darker than the pleuræ. Mandibles and anterior borders of cheeks and clypeus blackish. Scapes infuscated except at the base. Gaster black or dark brown, venter, base of first segment and posterior margins of segments paler. Coxæ and femora yellow, tibiæ and tarsi ferruginous.

*Worker minor.* Length, 6-7 mm.

Head very long, more than twice as long as broad, excluding the mandibles, somewhat narrowed behind in the occipital region; cheeks long, parallel. Clypeus like that of the worker major. Thorax very slender; base of epinotum more than three times as long as the declivity.

Head, thorax and petiole more shining than in the worker major, paler and more yellowish brown; head somewhat darker, mandibles brown. Gaster and legs colored as in the worker major. Pilosity also similar, but there are no minute erect hairs on the antennal funiculi. Cheeks without foveolæ or only with a few faint elongate punctures.

*Female.* Length of body, 10-11 mm.; of wings, 11 mm.

Resembling the worker major in sculpture, pilosity and color. Head proportionately longer. Eyes large and convex. Thorax as broad as the head, rather depressed; epinotum with indistinct base and declivity, the former fully as long as the latter. Petiole similar to that of the worker major. Wings suffused with sordid yellow; veins and stigma pale brownish yellow.

*Male.* Length, 7 mm.

Head through the eyes about as broad as long. Eyes and ocelli very large. Cheeks much shorter than the eyes, straight and parallel. Posterior portion of head broad and rounded. Clypeus subcarinate, with broadly rounded, pro-