

Pergande's *C. erythropus*, which, as Emery has stated, is merely a synonym of Forel's *mina*.

51. *C. planatus* Roger.

*C. planatus* ROGER, Berl. Ent. Zeitschr., VII, p. 148, No. 24, ♂ ♀ ♂, 1863; DALLA TORRE, Catalog. Hymen., VII, p. 248, 1893; FOREL, Biol. Centr. Amer. Hymen., III, p. 141, 1899-1900.

*C. senex* stirps *planatus* FOREL, Bull. Soc. Vaud. Sci. Nat., (2) XVI, P. 81, p. 97, ♂, 1879; *Ibid.*, (2) XX, P. 91, p. 346, 1884.

*C. senex* subsp. *planatus* EMERY, Mem. R. Accad. Sci. Ist. Bologna, p. 775, 1896.

*Worker major.* Length, 5-6 mm.

Head small, as broad as long, a little broader behind than in front, with straight posterior and convex lateral borders and rounded anterior corners. Eyes rather large, moderately convex. Mandibles 6-toothed, with convex outer borders and upper surfaces. Clypeus sharply carinate, broadly rounded in front, with the anterior border feebly sinuate in the middle. Frontal area distinct, subtriangular, much broader than long. Frontal carinae not very strongly lyrate, twice as far apart behind as in front. Frontal groove distinct. Antennae moderately long; scapes terete at the base, slightly enlarged distally, extending to the posterior corners of the head. Thorax short, a little narrower in front than the head, somewhat broader in front than behind, the dorsal surface evenly arcuate in profile, flattened when seen from above and marginate on each side, where it passes over into the somewhat concave, perpendicular pleural surface. Epinotum with subequal base and declivity, the former slightly convex and square, the latter distinctly concave, the two surfaces meeting with a rather sharp transverse margin. Petiole moderately high, compressed anteroposteriorly, with convex anterior, flattened posterior surface and rather sharp margin; seen from behind, narrow below, expanded above, with broadly rounded border, entire or feebly notched in the middle. Gaster of the usual shape. Legs rather short; tibiae without bristles on their flexor surfaces.

Opaque throughout, except the mandibles, which are shining, finely striated and coarsely punctate on their lateral and apical surfaces. Head, thorax and gaster densely punctate; legs coarsely shagreened. Cheeks and clypeus with large but rather shallow, somewhat elongated, scattered foveolae; gaster with coarse, sparse, piligerous punctures.

Hairs very abundant, erect, glistening white; covering the head, thorax, petiole and gaster, especially dense and conspicuous on the epinotum and gaster. Hairs on the legs somewhat shorter and more oblique; on the antennal scapes still shorter and more appressed. Pubescence on the gaster long and dense; much shorter and more dilute on the head and thorax.

Head, thorax, petiole and legs rather dark ferruginous red; mandibles, cheeks, clypeus and often also the antennae suffused with yellow. Mandibular teeth and gaster black; femora, tibiae and tarsi often infuscated, except at the articulations.

*Worker minor.* Length, 3.5-4 mm.

Closely resembling the worker major, but the head smaller and with less convex cheeks and the petiole thicker and blunter.