

26. *C. herculeanus* L. var. *whymperi* Forel

*Formica herculeana* LORD, Natur. in Vancouver I. and Brit. Col., II, p. 341, 1866.

? *Formica semipunctata* W. KIRBY, Fauna Bor. Amer., IV, p. 262, No. 362, ♀, 1837.

? *Camponotus semipunctatus* MAYR, Verh. Zool. bot. Ges. Wien, XIII, p. 401, 1863.

*C. herculeanus* FOREL, Bull. Soc. Vaud. Sci. Nat., (2) XVI, p. 57, 1879, 1881; PROVANCHER, Natur. Canad., XII, 81, p. 354, No. 1, ♂ ♀ ♂, 1881; Faune Ent. Canad. Hymén., p. 597, No. 1, ♂ ♀ ♂, 1883; Addit. Faune Canad. Hymén., p. 231, No. 1, 1887; DALLA TORRE, Catalog. Hymen., VII, p. 233, 1893; EMERY, Zool. Jahrb. Abth. f. Syst., VII, p. 674, 1893.

*C. herculeanus* var. *whymperi* FOREL, Trans. Ent. Soc. London, p. 699, ♂ ♀, 1902; Bull. Soc. Ent. Belg., XLVIII, p. 152, 1904; EMERY, Deutsch. Ent. Zeitschr., p. 184, ♂, 1908; WHEELER, Geol. Survey Mich., p. 328, ♂, 1908.

*Worker major.* Length, 10–13 mm.; head, 3.5 x 3.5 mm.; scape, 2.7 mm.; hind tibia, 3.3 mm.

Head as broad as long, broader behind than in front, with broadly excised posterior border, rather convex sides and swollen cheeks. Eyes moderately large, flat. Mandibles 5-toothed; convex at the base, flattened or slightly concave on their distal halves. Clypeus evenly convex, not carinate, its anterior border scarcely produced, squarely truncated or feebly excised in the middle, with a deeper excision on each side near the cheeks. Frontal area large, subtriangular; frontal groove distinct. Frontal carinae lyrate, rather far apart. Antennal scapes rather short, not extending beyond the posterior corners of the head, terete, neither dilated nor flattened at the base, incrassated distally. Thorax robust, rather high, feebly and evenly arcuate above, narrower than the head, laterally compressed behind; epinotum obtusely angular, with subequal base and declivity, the former feebly convex, the latter feebly concave in profile. Petiole high, compressed anteroposteriorly, with convex anterior and nearly flat posterior surface, its border rounded, entire and rather sharp. Gaster of the usual shape, legs moderately long and stout; middle and hind femora neither compressed nor sulcate, elliptical in cross section.

Opaque; very densely and rather coarsely shagreened; mandibles, eyes, anterior portion, sides, lower surface and posterior corners of head more shining. Mandibles coarsely striato-punctate. Whole head covered with sparse, shallow punctures, which are larger, but not elongated, on the cheeks. Upper surface of thorax and gaster with scattered piligerous foveolæ, the latter also with numerous small, often transverse punctures bearing the pubescence.

Hairs brownish yellow, coarse, short and erect, not very abundant; absent on the cheeks and sides of head. Antennal scapes and legs covered with short slanting or appressed hairs. Pubescence very short, dilute, scarcely visible on the thorax, most distinct on the gaster but not concealing the sculpture.

Black; mandibles, anterior border of head, antennæ, legs, petiole, posterior portion of thorax and the base of the first gastric segment, deep red. Posterior borders of gastric segments dark brown. In some specimens, the posterior portions of the thorax, the mandibles, anterior portion of the head, the antennal