

scapes and femora are black. Middle and hind tibiae with only a few short bristles at the distal ends of their flexor surfaces.

*Worker minor.* Length, 6–8 mm.

Head somewhat broader than long, but little broader behind than in front, with feebly convex sides and nearly straight posterior border. Eyes slightly convex, clypeus carinate. Antennal funiculus extending about one-third its length beyond the posterior corners of the head. In other respects like the worker major.

*Female.* Length, 13–16 mm.

Very much like the worker major. Head with somewhat straighter sides, but broader behind than in front. Eyes larger and more convex. Thorax through the wing-insertions scarcely broader than the head; epinotum with convex base, impressed in the middle; declivity longer and distinctly concave. Petiole more compressed than in the worker major, narrow and high, with rounded, entire and more acute border.

Surface throughout more shining than in the worker, especially the thorax, which is quite glabrous above; epinotum opaque, shagreened. Gaster very finely transversely shagreened and covered with small punctures. Mesonotum and gastric segments also with a few scattered piligerous foveolae.

Pilosity like that of the worker, but sparser and shorter. Pubescence also shorter and sparser, especially on the gaster.

Black; mandibles, legs, antennae and often also the epinotum, pleurae and petiole tinged with red. Wings very long (in large specimens 18 mm.), strongly tinged with brown; veins and stigma yellowish brown.

*Male.* Length, 9–10 mm.

Head through the eyes about as broad as long; broadly rounded behind; cheeks feebly convex, converging anteriorly, as long as the eyes. Ocelli very small. Mandibles edentate. Clypeus convex in the middle, but scarcely carinate, its anterior border broadly rounded and slightly sinuate in the middle. Thorax robust; epinotum with flattened and subequal base and declivity meeting to form a rounded obtuse angle. Petiole rather high, distinctly compressed anteroposteriorly, with thin, rather acute border, which is deeply excised in the middle above.

Opaque; very finely shagreened; gaster shining.

Hairs and pubescence shorter and sparser than in the worker, especially on the head and thorax. Cheeks without hairs. Short hairs on the legs and antennal scapes appressed and scarcely more than pubescence.

Black; mandibles, antennae and legs reddish. Wings paler than those of the female; veins and stigma yellow.

Forel based this variety on specimens from Alberta. I have seen a large number of individuals from the following localities:

Alberta: Field, Vermillion Pass and Lake Louise, cotypes (Whymper); Red Deer; Banff (J. C. Bradley).

Alaska: (Dall); Kasiloff Lake, Kenai Peninsula (Berlin Mus.); Koyukuk (W. J. Peters).