

line passing between the labial palpi to the basal portion of the labium. Gula luteous, clouded with darker.

Antennæ somewhat clavate, as long as head and thorax, fuscous, darker before tip, sparsely covered with very short stiff black hairs; first two joints piceous, luteous at articulations; a luteous crescent bounds base of first joint in front.

Vertex elevated behind, rounded; luteous; in front, on depressed portion, dark fuscous; behind, on elevated portion, two dark fuscous bands*, the posterior irregular and spread out each side so as to approach, sometimes to meet, the anterior band. Behind this a median, oval, black or rufo-piceous spot.

Pronotum dark fuscous; a longitudinal median luteous line and one each side†. Sides of pronotum luteous, divided by a fuscous line‡. Lateral carinæ luteous. Below luteous, marked on each side with dark fuscous.

Mesonotum fuscous; lobes moderately elevated; anterior lobe with a longitudinal median line and a dot or two luteous; each lateral lobe marked with two luteous lines on its inner side; a luteous spot or two also near articulation of wing; posterior lobe with a longitudinal median luteous line, sides and rear of the lobe also margined with luteous. Sides and beneath fuscous, marked with luteous.

Metanotum fuscous; anterior lobe margined in front with luteous, with a longitudinal median luteous line; patterned similarly to mesonotum, the inner luteous line of lateral lobe forming a rough triangle, the apex of which is near middorsal line. Sides and beneath fuscous, marked with luteous.

Abdomen fuscous, articulations luteous; segments luteous above, especially at base, with a longitudinal median fuscous line.

Appendages one-half the length of seventh segment, slender, arcuate for their posterior halves, somewhat flattened laterally; fuscous, luteous near tips; clothed with coarse black bristles; there is the usual triangular fuscous plate between the appendages below; this plate is luteous apically.

*In one male specimen, collected at Dunsuir, California, by Mr. H. F. Wickham, the anterior band is very indistinctly separated from the fuscous depressed portion of the vertex.

†This line is usually most distinct in front of the transverse furrow, where it becomes a good-sized spot; it is interrupted at the furrow and in the male specimens is only faintly indicated behind it.

‡This line is divided into two parts in the females.