

nearly hyaline for the rest, and in others almost uniformly fuscous. In size the specimens vary from 18–24 millim.

✓ 21. **Ammophila gracilis.** (Tab. I. figg. 7; 7 a, ♂.)

*Ammophila gracilis*, Lepel. de St.-Fargeau, Hist. Nat. Ins., Hymén. ii. p. 381<sup>1</sup>.

*Hab.* MEXICO<sup>1</sup>.

Specimens from Mexico, from Presidio and Ventanas (*Forrer*), and from Valladolid in Yucatan (*Gaumer*), and from Panama, Volcan de Chiriqui (*Champion*), are possibly referable to this species.

They may be described thus:—Black; the second joint of the petiole and the greater part of the following segment red, lined with black above; the face and cheeks, the tubercles, an oblique line on the mesopleuræ, and a spot on either side of the median segment, clothed with a dense silvery pile; the vertex and thorax covered with rather long ashy pubescence. Head slightly punctured; clypeus broadly rounded, almost transverse in the centre. Ocelli hardly forming a triangle, and widely separated from the eyes. Third antennal joint one quarter longer than the fourth. Prothorax with a  $\rangle$ -shaped furrow. Thorax rather strongly punctured; scutellum longitudinally striolated; mesonotum with a broad furrow or depression in the centre and another on either side; a  $\rangle$ -shaped furrow runs from the base and a straight one from the apex of the tegulæ; metanotum closely and finely transversely striated. Third cubital cellule a little longer than the second at the top; below it is about one fourth longer than it is above.

The male has the face more densely and widely silvery-pilose; the oblique spot on the mesopleuræ is wider, and the pleuræ and sternum are covered with rather long dense greyish pubescence; the hair on the head and thorax is longer and denser; and the clypeus is more projecting and more rounded at the apex.

This insect is shorter than the species I have determined as *A. fragilis*; the petiole and the following segment are entirely red (and not black throughout above, while the base of the petiole is red beneath); the pronotum has a furrow in the centre; the clypeus is more depressed inwardly at the apex; the punctuation on the thorax is closer; the stigma is reddish; and the third cubital cellule is only half the length of the second above.

*A. azteca* differs from it in having the apex of the clypeus transverse; the clypeus and cheeks without silvery pubescence; the thorax more shining and less pubescent; the pronotum furrowed in the centre; the furrow on the mesonotum wider and deeper; and the wings distinctly fuscous-tinted throughout.

✓ 22. **Ammophila atriceps.**

*Ammophila atriceps*, Smith, Cat. Hymen. Ins. iv. p. 221<sup>1</sup>.

*Hab.* MEXICO<sup>1</sup>.