

- (d) *Female*. Face with a brownish stripe; front yellow; sides of the mesonotum less yellow than in *c*; mesopleuræ with a small spot; prescutellar spots confluent; scutellum with black pile; second abdominal segment with a light yellow broad band.

7. *Volucella fasciata*.

Volucella fasciata, Macq. Dipt. Exot. ii. 2, p. 22, t. 5. f. 2¹; Osten Sacken, Western Diptera, in Bull. U.S. Geol. & Geogr. Survey, iii. p. 334²; Willist. Synopsis N.-Am. Syrphidæ, p. 145, t. 6. f. 4³.

Hab. UNITED STATES, Kansas³, Colorado^{2 3}, Carolina^{1 3}, Texas^{2 3}.—MEXICO³.

I have seen specimens of this species from Northern Mexico.

8. *Volucella* —?

Hab. MEXICO, Atoyac in Vera Cruz (*Schumann*).

A single specimen, apparently of a new species, but injured, is so characteristically marked that I believe it will be recognized from the particulars given in the synopsis and the following:—The abdomen and legs as in *V. picta*; the thorax wholly black, somewhat metallic, with black and yellow pile; the face dark red; the brown spots of the wings forming two incomplete fasciæ, the one extending from the subcostal to the submarginal, the other from the marginal to the first posterior cell. Length 8 millim.

9. *Volucella fraudulenta*, sp. n., ♂ ♀. (Tab. I. figg. 13, ♀; 13 *a*, head; 13 *b*, antenna.)

Male. Face yellow, with a broad median stripe, and the cheeks broadly, shining black; in profile straight and perpendicular below the small antenniferous process to the lower third, where it is gently receding. Frontal triangle black in the middle, on the sides yellow; pile long and black. Antennæ nearly black; narrow, elongate, the third joint not dilated at the base; a little less than half the length of the face; arista not longer than the third joint, somewhat abundantly plumose. Eyes densely black-pilose along the middle, less so behind. Mesonotum shining black; the humeri, a vittula above the wings, and two dots or spots in front of the scutellum, yellow; pile rather abundant and long, but not obscuring the ground-colour. Pleuræ black, with yellow pile; a vertical yellow spot on the mesopleuræ. Scutellum light translucent-yellow, chiefly, rather abundantly and long, black-pilose; along its margin about twelve thin bristles, approximated in the middle. Abdomen black, with abundant, erect pile, obscuring the ground-colour but little; the pile on the hind margins of the second and third segments and on the small hypopygium black, elsewhere yellowish, longer on the fourth segment; on each side of the second segment an elongate, narrow, oblique yellow spot, the posterior margin of the segment more deeply black; third segment with an anterior narrow band, widened on the margin and emarginate or interrupted in the middle, yellow; fourth segment with the anterior margin laterally yellow. Legs black, the first two joints of the tarsi red. Wings subhyaline; clouded distally, and with narrow brown clouds on the cross-veins; second vein markedly sinuous at the tip. Tegulæ white, white-ciliate.

Female. Third joint of the antennæ broader at the base and longer, distinctly more than half the length of the face. Front with a black stripe, and well-marked crescentic grooves. Pile of the thorax and abdomen shorter. Crescentic spots of the second abdominal segment larger and less widely interrupted, and the lateral margins of the same segment yellow.

Length 9–10 millim.