

lateral borders, and a complete arched band in the middle of the segment to a very narrow anterior band, sometimes interrupted in the middle, and not including all of the lateral margins, and an indistinct middle spot with a very slender, elongate spot at each side of it. On this segment the yellow posterior margin may be entirely separated from the anterior band, but usually they are confluent at the corners. Fifth segment with an anterior black band, expanded to include more or less of the lateral margins, and a black spot like an inverted V or Y. Often this spot is obsolete, leaving only three small spots to form the outline of a V. Legs yellow. All the coxæ, and trochanters, and a distinct shining spot at the base of each of the four anterior femora, black. Posterior tarsi tinged with reddish. Wings very distinctly brownish (less so in the female) on anterior third.

*C. pubescens*, Loew.

Very much like *derivatum*, but differing in having the legs entirely yellow, the abdomen everywhere covered with erect yellowish pile, and the median thoracic stripes distinct. The wings are much less distinctly marked with yellow. Second joint of antennæ longer than first; third joint in female about equal to the first two; in the male it is slightly longer. Abdomen marked like that of *derivatum*, except that the posterior margin of the second is always yellow, and the anterior corners of segments three and four are reddish. The black mark on the fifth segment is like an inverted V or Y; or the branches may be arcuate.

*Psilota buccata*, Macquart [Dipt. Exot. II., 2, 107, pl. xviii, fig. 2].

The history of this species and its attribution to the United States is as follows: It was described by Macquart, in the Memoirs of the Society of Arts and Sciences of Lille in 1841, and the locality given as "Carolina." It was here placed in the genus *Pipiza*. In the fifth supplement to the Dipt. Exot., which was published in 1855, Macquart describes a species, *flavidipennis*, for the first time under the genus *Psilota*, which was founded by Meigen, in his Syst. Besch. III, 256, in 1822, several years before the other species, *buccata*, was described under the genus *Pipiza*.

In 1862 Dr. Loew, in the Monographs of the Dipt. of N. A., I, 27, in mentioning the various genera of *Syrphidae* that have been recorded from North America, states that Macquart has recorded a *Psilota* from North America, but that, as that genus had been misunderstood by most authors, he would not venture to mention it among those truly represented in N. A. The reference mentioned above was undoubtedly his authority for this statement.