

Length 6 to 7 mm.; length of wing 5 to 5.5 mm.

Described from 12 specimens taken in 1918 at El Centro and Alhambra, Cal.

Adult male (after Williston's quotation of Osten Sacken) (2).

Length 7 mm. Face, including the frontal triangle, pale yellow, slightly opalescent; a bluish black stripe extends from the oral edge to the antennæ, forming a semicircle above them. Antennæ reddish, third segment brown along the upper edge, vertex black. Thorax bright metallic green, a pale yellow stripe on each side between the humerus and the root of the wings; ante-scutellar (post-alar) callosity yellowish; scutellum of a saturate yellow, the extreme corners dark; halteres with yellow knobs. First abdominal segment metallic greenish black, its extreme anterior margin only yellow; the rest of the abdomen black, opaque; an interrupted yellow cross-band on the second segment equal to about one-third the segment in breadth; a somewhat broader, slightly arched, and not interrupted yellow cross-band on the third segment; on the fourth, two narrow, parallel, longitudinal lines in the middle and an obliquely placed, large, oval spot on each side of them, yellow; the narrow fifth segment shows a yellow picture, somewhat resembling that of the fourth segment. Legs yellow; tip of tarsi brownish; hind femora with a brown ring before the tip; hind tibiæ with two such rings, one before the middle, the other before the tip; hind tarsi brown, except the under side of the first joint. Wings hyaline; stigma brownish yellow."

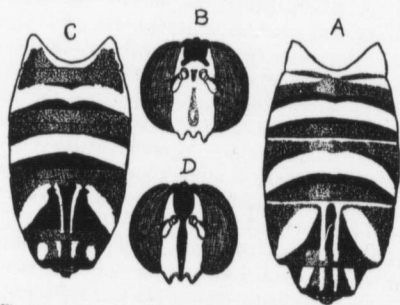


Fig. 31. A, B.—*Allograpta obliqua*, female, dorsum of abdomen and front view of head. C, D.—*Allograpta fracta*, female, dorsum of abdomen and front view of head.

Osten Sacken (3) described the species from a single male collected at Santa Monica, Cal., in 1876. There are before the writer 22 males from southern California; of these 20 have the cross-band of the second segment constricted in the middle and 2 have it interrupted, so that normally this band is not divided as in the type specimen. Also in these 22 males the coloration of the first abdominal segment varies as in the females, some having considerably more than the "extreme anterior margin only" yellow. In the males the cross-band of the third abdominal segment is on the average broader, and the oblique spots of the fourth segment larger than in the females.

Williston (2) indicated the differences between *Allograpta obliqua* and *A. fracta* to consist in the faint brownish facial stripe and yellow first abdominal