

being widest at the top; the lower half of the wing to the middle fascia and the apex are milk-white. The posterior wings are almost hyaline, the upperside at apex only being smoky.

## PETIOLIVENTRIA.

### DITROCHA (TEREBRANTIA).

#### Fam. CYNIPIDÆ.

##### Subfam. GALLICOLINÆ.

##### CYNIPS *sensu lat.*

The three species of gall-making Cynipidæ which inhabit Central America are only known from their galls, so that it is impossible to say to what genus the makers of these belong; and although Dr. Karsh describes the upheaver of the gall he records from Mexico, I cannot, from his description, refer the species described by him with precision to any of the modern genera.

#### 1. *Cynips setifer*.

*Diplolepis setifer*, Karsch, Zeitschr. f. d. ges. Naturw. liii. p. 291, t. vi. f. 2-2a-d<sup>1</sup>.

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

#### 2. *Cynips championi*.

The gall is broader than long, having a breadth of about  $2\frac{1}{2}$  inches and a length of 2 inches, the surface irregularly indented, of a leathery texture, and so hard that it can be cut only with difficulty; the inside is also hard and is of a close compact spongy nature. Its colour closely resembles that of the twigs. Intersected through it at irregular intervals are oval cells about  $1\frac{1}{2}$  millim. in length. The outer margin of the cells is hard, woody, and white. Besides the numerous exit-holes of the gall-flies there was a larger one which, at a short distance from the outer skin, bifurcated into two tunnels; these were filled with "frass," and in one of them was found a silken case, white and smooth internally, but covered with "frass" on the outside, clearly the case of some Microlepidopteron. The gall is situated at the end of a twig about 3 millim. in diameter. It is said by Mr. Champion to be common in Chiriqui on a species of oak. The maker is unknown to me.

#### 3. *Cynips imitator*. (Tab. IV. fig. 8, gall.)

*Hab.* GUATEMALA, San Gerónimo (*Champion*).

The largest galls have a diameter of 26 millim. In form they are more or less roundish, but, if any thing, longer than broad; they are situated on a twig or small