

It may, therefore, be reasonably inferred that the habit of *Allodape* is similar, and that these bees perforate the acacia thorns and use them as their nidus in the same manner as *Ceratina* uses the bramble stems. The bee that was found might possibly have entered the thorn, tenanted by the ant, mistaking it for that which contained her own nest.

## Genus *CRYPTOCERUS*, Latr.

### 1. *Cryptocerus fervidus*.

Female.—Length  $5\frac{1}{2}$  lines. Chestnut-brown, the abdomen with an indistinct pale macula on each side at its base and an ovate one placed obliquely at its apex. The head rather longer than broad; slightly convex above, with the lateral margins raised; the posterior margin of the vertex obliquely truncate; two minute tubercles on the vertex in front of the truncation; the flagellum of the antennæ dark fuscous. The thorax of the same width as the head; the prothorax oblique, with the margins sharp and slightly raised; behind the insertion of the wings narrowed, and with a short spine on each side of the metathorax posteriorly; the scutellum semicircular. The abdomen oblong; the sides parallel, the anterior margin incurved, with the lateral angles slightly rounded; the first node of the peduncle subquadrate, slightly narrowed posteriorly, the second node transverse and with a short spine at the anterior angles. (Fig. 1, ♀. Pl. XI.)

*Hab.*—Rio.

### 2. *Cryptocerus gibbosus*.

Worker.—Length  $3-3\frac{1}{2}$  lines. Black, punctured, each puncture with a pale shining seta; the lateral margins of the head broadly rufo-testaceous anteriorly; also a rufo-testaceous spot at the basal angles of the abdomen. Head large, wider than the thorax; longer than broad, the lateral margins raised, convex above; two small tubercles on the vertex. The prothorax transverse, and having a short pale spine at the anterior lateral angles, with a transverse, sharp, raised margin posteriorly; the mesothorax semicircular; the metathorax produced laterally and forming a blunt spine, from which it becomes much narrower. Abdomen heart-shaped; the nodes of the peduncle