

mine into the soft sand, and by continual turning round and round or moving back and forth gradually construct its chamber.

Although I was fortunate enough to find all the stages of this beetle, I did not learn anything of its ways in the nearby river. They must have been abundant, for the pupal chambers were observed at various places for nearly a mile along the river bank.

*Description of larva.*

Full-grown larva (pl. 1, fig. 3) ready to pupate, measures 5.3 mm.; caudal setæ 2 mm. additional; head 1.04 mm.

General colour brown above, nearly pure white beneath. Head yellowish brown, a V-shaped brown spot on vertex, the apex directed caudad. Head measures 1.04 mm. long and .9 mm. at its widest part just behind the eyes. Rostrum .16 mm. long, rounded in front, smooth and without setæ on margin. Antennæ yellowish brown, 4-jointed; 1st joint, .12 mm.; 2nd joint, .2 mm.; 3rd, .2 mm.; 4th, .08 mm. A few scattered setæ present on the head, the lateral margins just behind the eyes bearing several larger setæ. Mandibles are long, sickle-shaped, perforated to their upturned tips, which rest against the lower surface of the rostrum, yellowish at base, becoming brownish yellow at their tips. The perforations run along the inner sides of the mandibles (fig. 9, D). The maxillæ (fig. 9, A) are greatly reduced, consisting only of a 4-jointed palpus; 1st joint, .33 mm.; 2nd, .65 mm.; 3rd, .5 mm.; 4th, .2 mm. The labium (fig. 9, B) is small, quadrangular in shape, emarginate in front, with 4 setæ, two long ones arising from the inner surface and two shorter ones on the lower surface, just mesad of the point of origin of palpi. The palpi are two-jointed and arise from the outer angles of the labium, 1st joint, .76 mm.; 2nd, .5 mm. Eyes 6 in number, arranged in two transverse rows.

The prothorax is yellowish brown in colour, with a dark brown spot on each side of the middle line, near the posterior margin. The remaining segments are yellowish brown in colour, with a lateral row of lighter yellow spots on each side of the middle line, extending back to the seventh abdominal segment. These spots