

LARVA OF *PTOCHORYCTIS TSUGENSIS* KEARFOTT.

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Head and cervical shield heavily chitinized; anal plate less so. Tubercles broad. Granulations of fine sinuous lines of dots in the thinner portions, becoming polygonal patches of dots on the tubercles.

Head higher than wide, a little squarish at the top. Epicrania high, extending far above top of adfrontals and setæ i; i directly above ii and separated by only about $1/7$ height of head (measured from lower edge of clypeus to vertex); ii distant from adfrontals; six ocelli, the posterior on a level with the lower anterior, but separated by a cleft extending up from the antennal membranous area. Lower ocellus at middle of posterior edge of the antennal area. Front only $1/5$ height of head, about as high as wide, the setæ about a third way up and far apart; the punctures $1/4$ as far apart and much lower. Adfrontals broad, not extending far above top of front, with both margins evenly sinuous; i above top of front, and puncture much nearer to it than to ii. Clypeus large, with setæ far apart. Labrum slightly notched, ii higher than i, iii obliquely above iv; puncture between i and ii and higher. First free joint of maxillary palpus not as large as in *Cacæcia* (Ann. Ent. Soc. Am., III, pl. 20, fig. 137); sclerites of maxilla separate, the stripes more lightly chitinized, the subgalea sending a projection between the palpifer and base of palpus; cardo large. Submentum and mentum fused, the lines of separation indicated by two parallel longitudinal slits, between which there is a chitinized area. Setæ distant. Antennæ about as in *Simethis* (loc. cit., fig. 140), but the first two joints are equal in diameter.

Cervical shield as wide as the segment, extending down to the spiracle; it may fuse shortly with the large prespiracular plate in front of it. Meso- and metathorax, with ia + ib, iia + iib; iv + v and on a level with iii. True legs moderate. On the abdomen, i and ii are on a level, distant; iii is a large ring, in the centre of which there is a small ring bearing the seta and a couple of projections; iv + v, iv minute, above and in front of v; vi single; vii consisting of an oblique row of five setæ and a sixth just behind the upper two. Prolegs not strongly projecting, with a complete ellipse of 50 hooks, alternately of $2/3$ -lengths. Anal prolegs with a bent bend of hooks, and also with extra setæ in the region corresponding to vii. On A₁ and A₂ vii is of 3 setæ; on A₇ of two and on A₈ and A₉ of one only. On the ninth segment i and ii are obliquely placed, and ii are very far apart.

The outer ring of iii might be easily mistaken for a spiracle, and only occurs on the spiracle-bearing segments of the abdomen.