

DESCRIPTIONS OF THE LARVÆ OF CERTAIN  
TENTHREDINIDÆ.

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*Eighth stage.*—Head shining black, yellowish punctured around the mouth, antennæ yellowish; eye and jaws black; width, 1.8 mm. Body ochreous yellow, 6-annulate with irregular quadrate sub-dorsal (two per segment) and lateral (one per segment) black spots, confluent on joint 13; sub-ventral ridge faintly discoloured; anal plate blackish. No white secretion. The larvæ do not feed in this stage, but seek for soft wood in which they bore their galleries for pupation.

Eight stages is probably the least number which these larvæ have. I have found them with the following widths of head:—2.2 mm., 2.45 mm., 2.9 mm. This indicates that they may have as many as eleven stages, perhaps in the case of large females.

*Acordulecera dorsalis*, Say.

Determined by Mr. MacGillivray.

Only on the very young leaves of the black oak, eating the whole leaf down irregularly. Sitting flat on the venter, but holding on by the thoracic feet, and flap up the abdominal portion when disturbed. Feet on joints 6–11, 13, but very small, nearly aborted, none of them used; thoracic feet large. Body smooth, stiff as if inflated, shining colourless, the food showing green. Segments marked into 4 annulets by creases, not incised. Sub-ventral fold prominent, in the centre of the segment, giving the outline a fluted appearance. Tracheæ very evident. Head colourless, tinged with blackish, or with brownish in the last growing stage (width, .8 mm.), especially below; a little fine pile; eye black, mouth brown.

*Last stage.*—The larvæ moult and enter the ground; colour faintly bluish, less transparent and with distinct blackish dots in three transverse rows per segment. Head grayish-tinted; width, .8 mm. Body smooth, a little shiny, sub-ventral folds scarcely prominent.

*Hylotoma McLeayi*, Leach.

I was much surprised to find that the larvæ which produced flies of this species were totally different from those described by Norton (Trans. Am. Ent. Soc., IV., 78, 1872).\*

\*I have seen the larvæ which he describes, but their structure and position are like those of the species of *Emphytus* which I have bred. My larvæ died.