

## NOTES ON SAWFLY LARVÆ.

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*Trichiosoma triangulum*, Kirby.

Two flies have emerged from cocoons which had passed two winters. Last summer I noticed an example of mistaken instinct. The eggs of this species are laid under the lower epidermis by saw-cuts in the edge of the leaf. Several eggs so laid were found on *Ilex verticillata*. In due time the larvæ hatched, but refused their food, and would undoubtedly have perished had I not recognized them and supplied them with willow, which they attacked voraciously.

*Macrophya tibiator*, Norton.

The description of the larva of this species in Harris's Correspondence, p. 369, is included in the first paragraph only. The remaining notes under the same heading refer to larvæ of *Harpiphorus varianus*.

*M. tibiator* has a variable number of stages, difficult to determine, much as in the case of *H. varianus*. I have mature larvæ with width of head 1.4, 2.2 or 2.5 mm. The following description is a little more definite than that of Harris, though his is excellent:—

Pale yellowish, thickly overspread with a fine mealy-white secretion, less abundant subventrally and on the legs, which consequently appear yellowish; venter without bloom; anal plate concolorous. On vertex of head a large defined black band ending in a rounded point above the clypeus; eye in a black spot. Segments 7-annulate; a row of small velvety black lateral spots, two per segment (on third and fifth annulets above the spiracle), the anterior spot the larger; only one spot on joints 3 and 4, none on joint 2, and only a trace of any on joint 13. Thoracic feet colourless, with a black mark at the extreme base. Abdominal feet on joints 6 to 13. The larvæ curl spirally like the *Cornus* larvæ. Sometimes the white secretion become slightly woolly, but never as in *H. varianus*. Head only slightly pruinose.

Ultimate stage.—Head shining, dull honey-yellow, finely shagreened, no marks; eye black. Body segments neatly 7-annulate, very shining, pale greenish-yellow, without marks or any white bloom except the dark spiracles and faint tar-brown shades in the folds. Thoracic feet colourless. The larvæ immediately enter the earth. Found on the elder (*Sambucus*) in VanCortlandt Park, New York, and also sent me by Mrs. Slosson, from Franconia, N. H.