

in previous stage, but the colour is now a distinct reddish brown. Spiracles black, close in front of tubercle iv. Thoracic feet black; prolegs slightly darker than ventral skin.

*Stage III.*—Length 7 mm. Head 0.8 to 0.9 mm. wide, black, shiny; slightly bilobed. Body dark, almost smoky, with a tinge of green, becoming paler ventrally. Dorsal stripe dull orange, rather indistinct. Along the sides, above tubercles iii and iv, are two series of dull orange dashes, one above each tubercle, not very distinct. Bristles as in last stage. Spiracles small, black. Thoracic feet blackish, prolegs concolorous with venter, darker exteriorly.

*Stage IV.*—Length 10 mm. Head 1.1 to 1.2 mm. wide, jet black. Skin of body velvety black, duller ventrally. Tubercles black, each bearing a bunch of finely barbed bristles, those from i, ii, iii and upper part of iv being black, lower bristles pale rusty. No markings on the body. Spiracles black.

*Stage V.*—Length 17 mm. Head 1.6 to 1.8 mm. wide, black as before, epistoma pale. The larvæ in this stage did not show any difference from Stage IV. The velvety black of the body is the same as in the mature larvæ.

On Sept. 26 six specimens moulted for the fifth time. At this date, and for some days previous, the larvæ, which were in a healthy condition, showed signs of hibernation, and practically ceased feeding.

*Stage VI.*—Length 30 mm. Head 2.4 to 2.6 mm. wide. In this stage the bristles from tubercles i, ii and iii in most of the specimens are all black, but in some there are rust-red bristles on the dorsum of segments 2, 3 and 4, particularly on segment 2. One specimen had all rusty bristles from all the tubercles, on segments 2 to 7 inclusive. Tubercles shiny, black. Spiracles orange. In one specimen these were all black. No markings of any kind on the body.

Unfortunately, not many of the larvæ came through hibernation successfully, although we tried several different methods of hibernating them. Those which did come through alive soon died.

*Mature Stage.*—In the May, 1903, number of the CANADIAN ENTOMOLOGIST notes are given on the mature larvæ. After this paper was written Mr. C. H. Young gave me three mature larvæ collected in May, near Ottawa, all of which showed traces of a dorsal stripe, and had tubercles i, ii and iii black; iv, v, vi, vii and viii all reddish excepting in one of the specimens, which had vii and viii almost black. One of these larvæ pupated on May 27, the moth emerging on June 24.