

of apex of frontal triangle, there is a small shallow depression. The prominent rusty bristles from dorsal tubercles on segments 2, 3 and 4 have disappeared, with the exception of a transverse patch from tubercles on 2nd segment, which turn down abruptly over the face, and very few on 3rd segment, all the remaining bristles being black. All tubercles whitish. Black bristles and long sweeping silvery white hairs from all tubercles above spiracles. On 2nd and 3rd segments very few silvery hairs; on remaining tubercles of dorsal area on segments 4 to 12, inclusive, about 20, or more, long sweeping silvery hairs. The row of tubercles posterior to spiracles bear long, bright, rusty red bristles from each tubercle, together with a few black bristles from upper half of tubercle, and also a very few long silvery hairs. All bristles below spiracles bright rusty red. Spiracles white. On the 5th and 6th and 11th, 12th and 13th segments are two small blackish medio-ventral tubercles and two sub-ventral tubercles sparsely covered with rusty bristles, the sub-ventral tubercles having more bristles, which are also longer. The medio-ventral tubercles are close together, almost touching each other. Thoracic feet shiny, black, tipped with brownish, prolegs blackish, reddish at ends.

On the 9th Oct. the two remaining larvæ had spun a slight cocoon, and by the 16th Oct. had changed to pupæ.

The cocoon is very thin, made of white, almost cobweb-like silk, with all the long white and some of the other hairs from larva interwoven. Pupa is plainly distinguishable through the cocoon.

*Pupa*.—Length 27 mm., width at widest part 8.5 mm.; black. Abdomen minutely pitted; thorax and wing-cases wrinkly. Reddish on abdominal folds between segments. Cremaster rough, short but broad, hollowed below, terminating with a bunch of about a dozen and a half short, capitate, rust-red bristles.

On the 16th June, 1900, a single specimen of the mature larva was found at Cumberland, Ont., to which place an excursion of the Ottawa Field-Naturalists' Club was held. The following description was taken: Length 42 mm., extended 50 mm. General appearance, black caterpillar with rust-red sides, rust-red colour on 2nd, 3rd and 4th segments, and covered with long sweeping silvery hairs. Head, width 3.4 mm., jet black, shiny, bilobed. Face sparsely covered with bristles, those about the mouth-parts short and rusty in colour, those from upper part of face fewer and twice as long, and black in colour. On each side