

Although we have not been able to determine, as yet, either the original locality from which this moth came, or the original food plant, it is not improbable that this insect has but lately taken to the apple, and that it existed and may now exist as an obscure insect feeding on some wild and uncultivated plant.

#### THE APPEARANCE AND DESCRIPTION OF THIS PEST.

*The egg* is very small, being only 0.6 mm.\* in length, and 0.35 mm. in breadth, and is, therefore, apt to escape notice. It is of a uniform light yellow colour, oval in shape, with the surface thrown into small shallow depressions and elevations, which become larger and deeper at one end, in the centre of which there is a protuberance or very short peduncle. One of these eggs is shown in figure 8, greatly enlarged.

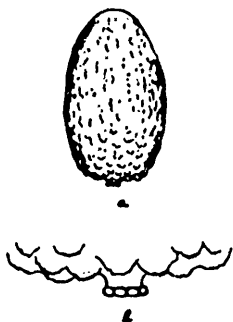


Fig. 8.—Egg of Fringed-Wing Apple-Bud Moth, *Nothris? maligemmella*—greatly enlarged; a, entire egg—X 30 Diam.; b, one end of same still more enlarged. (Original.)

*The larva* is also very small when first hatched, being less than 1 mm. in length. It is at first of a light yellow colour, with the head shining black, and the shield on the dorsal part of the first thoracic segment of a sea! brown colour; the body is sparsely clothed with short light-coloured hairs arising from slight elevations, some of which have a darker coloured centre; the three pairs of true legs are brown, while the five pairs of pro-legs are of the same colour as the body, and are borne by the sixth, seventh, eighth, ninth, and last segments. As the larvæ become a little larger, the above characters remain the same except that the shield on the dorsal part of the first thoracic segment soon becomes shining black like the head, and the general colour of the body becomes more of a light greenish-yellow colour, due largely to the transparency of the body allowing the intestine, which is filled with green food, to show through somewhat. These characters



Fig. 9.—Larva of Fringed-Wing Apple-Bud Moth, *Nothris? maligemmella*—greatly enlarged—X 12 Diam. (Original.)

\*There are about 25 mm. to an inch.