

of 2 and following segments are very small black rounded processes in cross line and equi-distant, placed on the second ring of each segment; these are very variable in number; one larva had four on 2, and two each on 3 and 4, no others; another had three on 2, one on one side, two on the other, six on 3, two on 4, and these last were larger than any others; six seems to be the full number on a segment, and they vary from that to one, present on some segments and lacking on others, with no apparent regularity; so also the number of lateral processes differs much; one had these on all segments except 2, 5, 9 and 13; as the stage progresses a yellow stain appears in the band on each segment, and at last is often orange-tinted; head yellow-green, a little lighter than body. To next moult about four days.

After fourth moult: Length .6 to .74 inch; to maturity about three days. There was much change in the markings at third moult, but still more at fourth. Some which had been wholly green at this moult discovered cross bands of black and yellow, one or both, and there was much variation in the extent of these bands.

**MATURE LARVA.**—Length 1.1 to 1.3 inch; cylindrical, of nearly even thickness from 3 to 11; thickly covered with small black tubercles, each of which gives a short black hair; color yellow-green, light or dark; along base a yellow-white band with a dash of orange on each segment, and sometimes the orange is nearly continuous; over the band on 3 and 4 each a large vitreous black rounded process, from the top of which comes a small hair, and around the base is a ring of black points; some larvæ have additional processes of same character on the succeeding segments, but there is much variation; occasionally all are large as on 3, usually they are much smaller; in one example they diminished regularly from 4 to 12; on dorsum of one or many segments are small black processes on the second ridge, varying from six to one, and often wanting; the same ridge is covered by a black band, sometimes present on every segment, sometimes only on the two or three anterior ones, with broken lines on dorsum or sides of the succeeding ones, frequently however wanting; in many examples the first ridge of every segment is bright yellow, and the complete series of black and yellow bands is often present; but others have the yellow bands broken up on middle and last segments, or lack them on these segments; others have a yellow line instead of band; and often there is no trace of yellow anywhere; some larvæ therefore are