

side face to the ocelli; color of face and head yellow-green, the surface finely tuberculated. To next moult 6 to 9 days.

After Second Moulting.—Length from .34 to .4 inch; same shape; color yellow-green; same tuberculated lines; head shaped as before, but narrower and higher, the horns longer, and nearer together; striped as before, but the upper part pink; color of face pale green. To next moult 14 to 18 days.

After Third Moulting.—Length .55 inch; shape and color as at preceding stage; but a few hours after the moult, in nearly all the examples, the colors changed to brown and buff; at 24 hours from the moult, length .57 inch; on middle of dorsum a broad brown stripe, on either side of which is a band of reddish-buff, which changes to greenish on the outer side; on the side another buff band, through the middle of which runs a brown line; the basal ridge buff; head and horns as at preceding stage. A few days later the buff larvæ became lethargic.

But one of the green larvæ proceeded to fourth moult without change of color. From third to fourth moult in the fall, 26 days.

After Fourth Moulting in Fall.—Length .6 inch; color green; but 24 hours after the moult had changed; color now yellow-buff and red-brown; the medio-dorsal stripe pale brown; the bands on either side of it greenish-yellow; the side brown with a dull green line running through it; head shaped as before; face green, the stripes reddish-brown. This larva went into lethargy a few days later, but died during the winter.

One only of three larvæ which hibernated after third moult survived the winter, and being placed in a warm room 15th Feb'y, soon waked up and began to feed. The color gradually changed from buff to green without a moult; color wholly dull green, with a darker medio-dorsal stripe; a yellow sub-dorsal line running from horn to tip of tail; two yellow side lines, obscure; yellow along base; tails green, no pink at tips; head pale yellow, the stripes brown. Twenty-two days after the end of hibernation, passed fourth moult.

After Fourth Moulting in Spring.—Length .62 inch; color pale green, the medio-dorsal stripe dark; the sub-dorsal stripe yellow-white, the two lines on side, and the basal stripe same hue; tails green; head emerald-green, the horns reddish, the stripe down face dark brown. Duration of this