

distinctly indented. The egg was contracted at the apex, the striæ protruding at the tip all around, beyond the body of the egg. The eggs became much darker in color before the larvæ appeared.

The larva hatched in six or seven days, and when fresh from the egg was about one-tenth of an inch long. Head medium sized, black and shining. Body above dark brown with transverse lines of a paler color, especially on the anterior segments; and thickly covered with hair-like spines of a pale brownish color.

Between the first and second moult its length was one-fourth of an inch. Head bilobed, shining, black and hairy. Body above greenish black, the greenish tinge most apparent on second and third segments, with a few small yellowish dots along each side and transverse rows of strongly elevated black tubercles, emitting numerous short, black, hair-like spines. Under surface similar to upper; feet black and shining; prolegs black, tipped with a paler hue.

After the second moult there were two fleshy tubercles on second segment much longer than the others, three or four times their length, and covered throughout with small hair-like spines. The yellowish spots along the sides of body assumed more of an orange tint, and one or two faint longitudinal streaks of the same color appeared along the sides close to under surface. Between the rows of large raised tubercles were many smaller ones, also black, appearing but slightly raised.

August 7th. Appearance of the full-grown larva.—Length, eight-tenths of an inch. Head slightly bilobed, black, shining, covered with short fine black hairs.

Body above dark greyish brown, beautifully spotted and dotted with deep velvety black, second segment with two long fleshy horns, yellowish white at base, black above, covered with minute blackish hair-like spines. The third and fourth segments have each four whitish spines tipped with black, those on sides are placed on the anterior portion of segment, those above about the middle. All the other segments have six whitish spines, excepting the terminal one, which has four. All the spines have fine branches of a black or brownish-black color, and are about one-third the length of the fleshy horns on second segment. A pale line extends along each side from fifth to terminal segments, close to under surface. The under surface is brownish black, darker on anterior segments; feet black and shining; prolegs brown, with a shining band of brownish black on the outside.

The chrysalis is about half an inch long, of a pale grey color, dotted and streaked with black. At the tip, beyond the base of antennæ, are two large conical tubercles. On the thorax, also, are several smaller pointed tubercles, and a double row along the abdomen of a similar character, those on the third