

now perfectly inactive, and behaves as if dangerously ill. This state of things lasts for a couple of days, during which time the larva has completely changed its skin, and gathered strength for future labor.

On thrifty plants of the red currant growing in the sunlight, development is very rapid; whereas, caterpillars feeding upon plants growing in the shade, exhibit the most remarkable contrasts, even in the same brood. The latter are more slender, being one-eighth of an inch shorter, darker, and have olive-green constrictions. The head and tubercles are an obscure black; the body bands much darker. From careful watching I am satisfied that they pass into their next stage without the necessity of moulting.

June 18th—The caterpillar has changed its skin again. It now measures from seven-eighths to one inch in length. The time of changing apparently varies from five to eight days, depending upon individual vigor.

The general color, at first, is a light yellowish-green. The tubercles of the first somite have each a dark basal annulus, and a pale blue summit which is surmounted by seven black spines, six in a circle and the remaining one occupying an apical position, from which it projects either vertically or obliquely; the remaining tubercles upon the first segment are jet black, and furnished with six spines. The second and third series of dorsal tubercles are a deep flesh color, with spines similar in number and position to the foregoing. The 4th, 5th, 6th, 7th, 8th, 9th and 10th somites have lemon-colored tubercles, with black, longitudinal dashes, facing laterally; and the 11th segment is armed with one large tubercle, occupying a median dorsal position, which is surrounded by a circle of seven spines near the middle, and overlooked by two divergent terminal ones.

The lateral tubercles of the 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th and 11th segments, are glistening and bluish. The 2nd and 3rd are armed with six encircling spines, and one apical; while the others, with five, and, sometimes, six encircling spines. Each tubercle is marked with longitudinal dashes on both sides, or merely on the dorsal side. The 12th segment has four light blue tubercles, armed with six spines. Above the anal pro-legs, two light blue tubercles are visible, which are furnished with six black glossy spines in a circle, and two broad lateral dashes.

The four abdominal pro-legs have each a broad, irregular, quadrangular black patch, near the distal extremity, and a small semi-elliptical one near