

We were fortunate enough to secure a batch of eggs from a confined female, and the following notes were taken upon the preparatory stages:

*Egg*.—Dome-shaped; tapering slightly to the base; diameter, 0.6 mm.; height, 0.4 mm., with about 44 ribs. In confinement the eggs were laid in a large flat patch in close, even, rows of from ten to twenty eggs in a row. Over 700 eggs were laid by a single female. Eggs hatched on July 5 and 6.

*Stage I*.—Length 2.5 mm. Body cylindrical, after feeding pale greenish; skin smooth and shiny. Head 0.3 mm. wide; rounded, deeply emarginate at vertex, shining, blackish-brown. Thoracic shield, piliferous tubercles and anal shield all shiny black. No markings on body.

*Stage II*.—Length 5.5 mm. Body pale green. Head 0.6 mm. wide, pale brownish, with darker brown around each hair. Thoracic shield concolorous with body. Dorsal stripe whitish; lateral stripe irregular and rather wavy; stigmatal band whitish, faint. Tubercles black, conspicuous, shining, each with a stiff black bristle. Feet concolorous with body.

On July 10 a few specimens moulted the second time, many others soon afterwards.

*Stage III*.—Length 8 mm. Head 0.9 mm. wide, greenish-brown, distinctly marked with large black spots, which are of about the same size as, and appear as a continuation of, the tubercles on the body. In addition there are numerous dark dots over the whole head; ocelli black. Body above spiracles darker than in Stage II, and of almost the same colour as the upper surface of a clover leaf upon which they were feeding. Below stigmatal band the colour of the body is pale green. Dorsal stripe white, distinct on all segments; lateral stripe white, but uneven and broken in places; stigmatal band whitish, not distinct. Tubercles black, setæ now pale. Tubercles above spiracles surrounded with white. Spiracles black. Thoracic feet rather translucent, prolegs concolorous with venter.

On July 12 and 13 a large number of the larvæ passed the third moult.

*Stage IV*.—Length 13 mm. Head 1.4 to 1.6 mm. wide, of the same appearance as in Stage III. Body dark green above spiracles, paler on ventral area; some specimens darker green than others, and one with a decided brownish tinge; whole dorsum now marked with dots and short streaks of white; colour of all specimens in the incisures whitish or pale yellowish. Dorsal stripe not so even as in last stage; lateral stripe as before; stigmatal band wide, whitish, paler below the spiracles, and suffused with green, some specimens bordered above the band with dark green. Spiracles pale, rimmed with black. Feet concolorous with body; thoracic feet rather translucent and shiny.