

kept in the top of the chimney. This habit of wandering was kept up through all the stages, and the inside of the glass was covered with their silken paths. At no time, however, did they construct a tent by catching several leaves together in the manner of the larvae of *P. Mystic*, *P. Cernes* and *P. Manitoba*. Directly after they hatched, the young larvæ climbed up to the tops of the blades of grass and made a sort of tent by catching the opposite edges together with two or three cords of silk, about half-an-inch below the tip. They then attacked the edges of the leaf, eating down each side and leaving the midrib. When at rest, during the first three stages, they retired beneath their tents and lay extended along the midrib. After the third moult they would sometimes roll the leaf of a wide species of grass, as *Panicum crus-galli*, into a tube similar to those made by *P. Hobomok*. After the fourth moult no tent was made, the larvæ lying exposed on the upper surface of the leaves when at rest.

After First Moult.—Length, 3.5 mm. Head white and furrowed at apex. Thoracic shield black, much smaller than in first stage. Body pale green with two narrow white lines on each side—one sub-dorsal, the other supra-lateral. Spiracles yellowish. Whole body covered with a minute pubescence. Duration of this stage five days.

After Second Moult.—Length, 6.5 mm. Head rather higher than broad, slightly broadest at the base, rounded at apex, and bilobed by reason of a deep frontal groove; mandibles and two clouds on the cheeks, fuscous. Thoracic shield, transparent and hardly discernible. Body pale green and translucent, the dorsal vessel and the ramifications of the tracheæ showing plainly through the transparent skin. There are, on each side, a pale sub-dorsal band with irregular edges, a distinct clear white supra-lateral stripe, and a very faint supra-stigmatal line. The sub-dorsal bands unite on the anterior fold in the anal segment. The supra-lateral stripes at the end of the anal flap. Duration of stage seven days.

After Third Moult.—Length, half an inch. Head lighter in colour, without the fuscous marks on the cheeks. Of the same size as the cylindrical body. Colour more glaucous green than in previous stages. Duration fifteen days.

After Fourth Moult.—Length six-eighths of an inch. Head greenish, tinged with yellow, a little larger than second and last segments, but smaller than the rest of the body. Head squared at the base, rounded at the apex, and deeply grooved down the front. Width at the base and the