

tudinally by dark green stripes, one rather broad, medio-dorsal, and three close together on side; each segment creased several times, and on the ridges thus caused are white papillae, each sending out a blunt white hair; head nearly as before, a little broader than 2, somewhat broader in proportion to the height, light green, with white papillae in vertical rows, each with white hair. Duration of this stage 23 days.

AFTER SECOND MOULT—Length $1\frac{3}{16}$ inch.; very much as before; whole surface one shade of yellow-green, except a dark dorsal stripe and a yellow ridge over the feet; head nearly as before. Duration of this stage 14 days.

AFTER THIRD MOULT—Length $1\frac{1}{8}$ inch. Nearly as at last stage; the head sub-globose, higher and narrower than before, well rounded at top, and broadest below; color of head emerald green, and covered as before with conical papillae. Duration of this stage 14 days.

AFTER FOURTH MOULT—Length $1\frac{3}{16}$ inch.; greatest breadth $1\frac{1}{16}$ inch. This stage continued 28 days before chrysalis.

MATURE LARVA—Length 1.20 inch.; greatest breadth $1\frac{1}{16}$ inch. Cylindrical, thickest in middle segments, the back well rounded, and sloping equally to either extremity; ending in two sharp, conical tails, each placed at the extreme sides of the last segment; color dull yellow-green, the sides a shade darker than dorsum; a medio-dorsal dark green vascular stripe, and over the feet a yellow stripe or line; tails reddish; each segment creased about six times, and on the ridges so caused are many fine white papillae, each sending out a fine white hair, rendering the whole surface pubescent; head sub-globose, a little larger than 2, frontally somewhat flattened, rounded at top, broader across the ocelli; color emerald green, the surface covered with slightly paler conical papillae, pubescent.

CHRYSALIS—Length $1\frac{1}{8}$ inch.; greatest breadth $1\frac{1}{8}$ inch.; cylindrical, the abdomen evenly tapering; the wing cases a little raised at the margins; headcase short, roundly excavated at sides, and rounded at top; mesonotum slightly prominent, and followed by a small depression; roundly carinated, the sides nearly flat, or very little rounded; whole surface one shade of yellow green, covered with minute white granulations; along the inner margins of wing cases a cream white line, another along keel of mesonotum, and one across top of head case. Duration of this stage 14 days.