

color of back of head and of the triangle over mandibles deep green, the rest of the front and the processes on vertices red-brown, with two green patches on front, one on either side the suture; ocelli emerald-green. But some larvæ have the head wholly green, the vertex process reddish; one had a brown band across the forehead, the rest green; one had the front face except the triangle brown, the cheeks green. To next moult about 9 days.

After 2nd moult.—Length .3 inch; shape as before; color yellow-green; stripes as before; head as at second stage, sometimes wholly green, sometimes partly brown; one example had the left cheek brown, the other green. To next moult about 7 days.

After 3rd moult.—Length .7 inch; very slender, yellow-green. In all examples bred by myself this was the closing larval stage.

MATURE LARVA.—Length 1.1 to 1.3 inch; slender, thickest in middle segments, the dorsum well arched, and the slope equal either way to 2 and 12; segments 3 and 4 are creased, and divided into five rounded and nearly equal ridges; after this, there are six ridges, the front one broader than any other and flattened, the rest being somewhat rounded; 13 ends in two small tapering divergent tails; color of body yellow-green; surface thickly covered with small sharp tubercles placed irregularly, but most dense in certain longitudinal lines; one such on either side of the medio-dorsal dark stripe; one sub-dorsal from head to end of tail; two on the side, and one, more conspicuous, along base, ten lines in all; tails reddish; under side, feet and legs, green; spiracles buff; head obovoid, truncated, the top depressed; on each vertex a little conical process, reddish; surface rough with fine green tuberculations, among which are a few whitish ones, each with short white bristle; ocelli emerald-green in brown rings. Duration of this stage about 13 days.

CHRYsalis.—Length, ♂ .48 inch; greatest breadth at mesonotum and also at abdomen, .18 inch; ♀ (probably) .54 inch, breadth .20; cylindrical, the abdomen stout, conical; the wing cases a little raised on dorsal side; head case very short, scarcely projecting beyond mesonotum, bevelled transversely to a sharp edge, roundly excavated on either side, the top very little incurved; mesonotum rounded, carinated, the sides nearly flat or a little excavated; color green, the edges of carina, wing cases and top of head case cream-color; surface much covered with points and small patches of whitish, not distinct enough to detract from the general green hue. Duration of this stage about 10 days.