

whole surface irregularly dotted with black ; and from most, but not all, of the dots come white hairs, those on dorsum curved back, those nearer base curved partly downward and partly back ; head obovate, long and narrow, smaller in proportion to 2nd segment than at last stage, and partly concealed, even when active, in second segment ; color black.

After SECOND MOULT ; length .12 inch ; broader and flatter than before ; on each side of the narrow dorsal ridge a slightly raised edge, caused by the tubercles ; at the base of the body a fold, and the hairs from this and the ridge are longer than elsewhere ; whole surface finely pilose ; color green, but with a rusty tint caused by the numerous reddish points ; above the fold these take the form of a line or slight stripe ; at this stage the division of the segments becomes distinctly apparent.

After THIRD MOULT ; length .20 inch ; color clear apple green, the crests of the dorsal ridge, and also the fold at base, whitish ; on either side of the white line thus caused at the fold, on several of the segments after the middle, but not on the two last, is a reddish line ; there is also an indistinct double oblique line of pale green on side of each segment ; head as at last stage.

After FOURTH MOULT ; length .36 inch, greatest breadth .10 inch ; onisciform, high anteriorly, the back rounded and sloping to last segment, which is much flattened ; both ends (when the head is retracted) rounded equally, or nearly so ; each segment rounded dorsally ; the whole upper surface covered with fine white hairs ; color emerald green with very many yellow tuberculous points ; along middle of dorsum a deep green stripe in a depression ; at base a whitish line edged with vinous on three or four segments after the middle ; under side and legs pale green ; head .025 inch in breadth, longer than broad, obovate, shining black, seen through the 2nd segment when half protracted.

CHRYsalis ; length .26 inch ; greatest breadth .10 ; shaped much like the mature larva, rounded at each end, tapering on the sides somewhat from segments 5 and 6 to head, roundly carinated dorsally, flattened on under side ; the mesonotum but slightly prominent ; color emerald green, except the abdomen both above and below, which is yellowish green ; a dark green medio-dorsal stripe from end to end, and on either side of this a row of small round black spots, nearly the whole length ; much covered with fine white hairs ; on the top and sides of the anterior segments the hairs are conspicuously longer, and are arranged in tufts, and similar hairs form a connected fringe quite round the abdomen.