

the tips, the others are black at tip ; on 7, 9, 11 the spines of these rows are dull yellow, black tipped ; on 8, 10, 12, 13 are all dull yellow ; the second and third laterals are black on dull yellow tubercles ; on 2 a collar of small yellow spines from similar tubercles ; feet black, pro-legs greenish-yellow ; head subcordate, flattened frontally, each vertex rather high and bearing a stout black compound spine or spinous process ; the face and sides covered with small, simple, conical spines of irregular lengths, black, light yellow and reddish-yellow, each with a hair ; the sides of head and a triangle in front black, rest honey-yellow. As the body lengthened in this stage the black and white bands became more nearly equal in width, and the tubercles and lower parts of spines became of a more uniform honey-yellow. To next moult 3 days.

After 4th and last Moult.—Length .8 inch, at maturity 1 to 1.2 inch ; color buff, the cross stripes on posterior parts of segments black and pale buff ; in front of each dorsal spine is a V-shaped reddish bar, which passes round the spine (or the spine is within the angle), and there is an oblique bar of same color in front of each of the first laterals, and from its base, directed forward and downward ; the second laterals stand on a straight or slightly arched bar of same color ; the spines on 3, 4 and 5 larger than elsewhere ; the dorsals white, yellow at bottom (all yellow spoken of is reddish or honey-yellow), and from yellow tubercles ; the first laterals white from 5 to 11, but on 3, 4 and 12 are black, with buff branches ; the second laterals are all black, yellow at base and stand on yellow tubercles ; the lower laterals all white, on yellow tubercles ; the collar of spines on 2 is yellow ; spiracles black in yellow ovals ; feet black, pro-legs yellow and brown ; head sub-cordate ; on each vertex a large compound spinous process, the main stem black, the branches partly black, partly yellow ; the face and sides thickly covered with simple conical spines of irregular sizes, buff or yellow, the sides and frontal triangle black, rest yellow. The larva suspended 5 days after 4th moult and in less than 12 hours (20th May) pupated.

CHRYsalis.—Length .7 inch, greatest breadth .24 inch ; slender, cylindrical ; the head case high, compressed transversely ; at each vertex a short stout conical projection, the space between being rounded ; mesonotum prominent, followed by a deep rounded excavation ; the carina rather slight, rounded, somewhat angular on posterior side ; the wing cases a little flaring at base, depressed laterally, the margins rounding abruptly to the body ; on the abdomen several rows of tubercles, mostly