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## DESCRIPTION OF THE PREPARATORY STAGES OF *ARGYNNIS ATLANTIS*, EDW.

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EGG.—Conoidal, truncated, higher than broad, the base somewhat rounded; marked vertically by 14 ribs, one half of which reach the summit, the others nearly as far; the spaces between the ribs broad, excavated and crossed by ten or twelve fine ridges; the micropyle at top in centre of a rosette of five minute flat cells; and about these are successive irregular rings of cells, each larger than the one next within, to the verge of top; these are six and five sided, and some are sub-triangular, deeply excavated; color greenish-yellow when first laid, soon turning to brown. In shape, this egg is like that of other species of this genus, but it is characterized by fewer ribs than any with which I am acquainted. Duration of this stage 16 to 18 days.

YOUNG LARVA.—Length .06 inch; cylindrical, even; color of dorsum yellow-green, of sides and lower parts more yellow; marked as in other species of the genus by longitudinal rows of flattened tuberculous brown spots, there being three on either side over spiracles, each of which gives one or two long tapering hairs; below the spiracles is another row of similar spots, smaller, and on part of the segments broken into four spots, each with its hair; on dorsum of 2, an oval spot of same character as the others, with a row of hairs in front which are bent forward over the head, and a shorter row behind these; this oval spot corresponds to the four upper spots of the other segments; on the side is one spot above and another below spiracle, each with two hairs, and over the foot a smaller one, also with two hairs; on 3 and 4 each is an additional spot below spiracle, the three, on 2, 3, 4, making a demi-row; head obovoid, black, shining, with many long hairs. The larva hibernates directly from the egg.