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## DESCRIPTION OF THE PREPARATORY STAGES OF COENONYMPHA GALACTINUS, BOISDUVAL.

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**EGG.**—Conical, broadly truncated, the flat top covered with a low network of irregular meshes, very fine about the micropyle; the lower part rounded, almost hemispherical; the upper part of side and to about two thirds the distance to base ribbed vertically,—about forty low ribs, with fine transverse lines between them; below the ribs there is an irregular network; color yellow-green. Duration of this stage about 13 days.

**YOUNG LARVA.**—At 24 hours from egg, length .1 inch; thickest at 2 and 3. Dorsum and sides sloping regularly to 13, ending in two short conical tails, which meet at base; color pale yellow-green, under side more yellow; a mid-dorsal brown line, and three such lines on the side, the lowest running with spiracles, the next near it, the third at a little greater distance from second and in fact, sub-dorsal; on each segment are white clubbed processes, each of which rises from a rounded brown tubercle; these form three rows on either side, one sub-dorsal, one mid-lateral, with a demi row between the two on three anterior segments; in these rows there is one process to the segment; the third row is at base, over feet and legs, two processes to each from 5 to 11, one each on 3, 4; on 2 and 12, 13, two hairs to each, in place of processes; these lower processes are smaller than elsewhere, and less bent, but are turned down; the upper rows are bent back, except on 2, there forward; feet and legs color of under side; head one half broader than 2, rounded, narrowing towards top, depressed at top; color pale pink; over the face are a few white tubercles with processes like those upon body, bent down. Duration of this stage 12 days.

**After First Moult.**—At 24 hours, length .19 inch; nearly same shape; color yellow-green; covered with fine, irregular white tubercles, each of which gives a very short hair, all except on 2 turned down and back; the