

the *Gelechia*, in which, as it seems to me, it had taken refuge after an accident to its own home.

I do not deny, however, that it may feed elsewhere upon leaves and flowers of the Golden-rod, or that it may occupy other galls; but I feel sure that, at least in this vicinity, it habitually makes the abundant gall in which it resides.

DESCRIPTION OF THE PREPARATORY STAGES OF NEONYMPHA AREOLATUS, SMITH-ABBOT.

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EGG—Nearly globular; the surface smooth under a low power, but under a high one, thickly covered with shallow depressions, which are irregular in size and also in form, being pentagonal, rounded or oval; color pale green. Duration of this stage about 6 days.

YOUNG LARVA.—Length .12 inch; cylindrical, nearly even, tapering a little posteriorly, the last segment bluntly forked; color delicate green; over the surface many white hairs, and among these are black clubbed hairs disposed in longitudinal rows, four on the dorsum of each segment, two in front, two in rear; feet and legs green; head large, about twice as broad as any body segment, sub-globose, a little depressed at top; on each vertex a short semi-ovoid appendage, at the top giving out two divergent black hairs; just below vertex, on the front, is a similar smaller appendage with single hair, and on the side half way down is a second; color black. Towards the end of this stage the color of body changes to decided green, and several longitudinal stripes appear; on either side of a dark green medio-dorsal stripe is a whitish one, a similar one on middle of side and another along base. Duration of this stage about 8 days, but depending on the weather.

After 1st moult—Length .22 inch; slender, the dorsum slightly arched and sloping posteriorly; the tails longer, tapering; color of body green, the tails faintly red; surface quite thickly covered with fine yellowish tubercular points, partly arranged in longitudinal rows, ten in all, on either side one next the medio-dorsal green stripe, one sub-dorsal, two on mid-side and one along base; under side, feet and legs green; head ovoidal, truncated, depressed at top; on each vertex a low conical process; surface rough with sharp tubercles, of varying size, each with very short bristle;