

## NOTES ON AN UNDETERMINED LEPIDOPTEROUS LARVA.

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We have found a caterpillar which we cannot identify, nor can any one to whom we have shown the description and a water-color drawing. "Papilio," Vol. iii., No. I., p. 14, has a description which is nearest it, but is not exactly like our larva, as ours has no tufts.

Our first specimen was found Sept. 12th, 1883, and our last one Aug. 13th, 1886. Between these we have three others; all of them pupated, but none emerged.

The larva is  $1\frac{1}{2}$  inches long; the head is brownish-green with a whitish bloom over it; mouth parts dark; no marks or hairs.

The body is almost evenly cylindrical, tapering very slightly towards the head; green in color, very smooth, firm, and free from markings and warts, and evenly covered with long, silky hairs, cream-white in color, and growing singly, without warts or tufts which could be seen even with a powerful lens. The hair turns towards the head, and droops in a beautiful curve over the sides, almost as if parted on the dorsal line. There are a very few short black hairs, not noticeable unless looked for, scattered on the last three segments. The feet and prolegs are green, a little brownish at the tips. Spiracles are white and inconspicuous.

The larvæ were found, three on white birch, and one each on willow and poplar, all being curled around on the under side of leaves. In this position it always rests, with the head covered by the drooping hairs, and looks like a downy white feather. It is very beautiful and conspicuous on the tree, where it is always on one of the lower branches.

It is wholly different in appearance, and in the arrangement and quality of the hair, from the *Apatelas*, *Lophocampas*, or *Arctians*, or any of our common hairy caterpillars, and some of its habits also differ from these. Resting on the leaf-stem and beginning at the edge of the leaf, it eats into the middle, leaving the margin except where it began; or it rests near the stem, and eats the leaf all around, leaving only the part on which it is resting.

None of our specimens moulted, but just before pupation every one changed color, the body being olive brown, and the hairs dull black. On the day following this change the larva began to bore into a piece of rotten wood, entering head first, then backing out with the bits of wood it