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NOTES ON THE EARLY STAGES OF SOME MOTHS.

BY L. W. GOODELL, AMHERST, MASS.

Mamestra adjuncta Guen.

Larva, 1 example—Body smooth, thick and uniform to the 11th segment, from which it tapers abruptly to the end. Cinnamon brown; a large sub-dorsal, velvety, dark brown shade on the 4th, 5th and 11th rings, and on each of the remaining rings, except the three first and last one, is a dorsal curved line, and two small roundish spots of the same color; two larger, square, dark brown dorsal spots edged with yellowish-white, on the first ring. Head roundish, as wide as the body. Venter dark brown. Spiracles white, edged with dark brown. Length when full grown, 1.4 inches. Changed to a pupa Aug. 30. Feeds on *Pteris aquilina* (common brake).

Pupa—Length 0.7 inch; subterranean; black, of the usual form, with a slender forked spine. Imago, June 27.

Apatela hamamelis Guen.

Larva, 9 examples—Body of uniform thickness, with a few short, scattered, whitish hairs on the sides. The color varies from pale yellow to yellowish-red. A row of connected, triangular, dark brown spots on the back, and obscure shades and spots of pale brown on the sides. Venter bluish-green. Head round, flattish in front, as wide and concolorous with the body. When not feeding it rests with its head turned to the side of the body. Average length, 1 inch. Feeds on the Chestnut. About the last of August they make cocoons of bits of wood and grains of earth on or near the surface.

Pupa—Length 0.5 inch, of the usual form and color. Imagines appeared June 3rd to 9th.