

shaped, the three last segments reddish brown. Tuft of terminal spines of the same color. The creature has a gelatinous appearance; and this, together with its agitation when disturbed, reminds one of Young Blight's description of Old Dolls: "All a-shaking like glue monge." It attains its growth in August and becomes quiescent.

THE PERFECT INSECT makes its appearance in September. To allow its egress the pupa-skin is ruptured from the head to a point beyond the base of the wing-covers. Its appearance is that of a very minute Cicada. Colors light at first, but darkening with exposure. Eyes large, madder-brown in a lighter setting. The facets very distinct, giving the eye a granulated appearance. Three ocelli, like small rubies, one above each compound eye, and one between the plates of the face just above the palpi. Antennæ moniliform, two large and eight smaller joints, as in the mite. Thorax, dark brown above with longitudinal bands of lighter color, amber-colored beneath, mottled with dark brown. Six powerful legs covered with short bristly hairs; femur much stouter than tibia, and more darkly colored; tarsus two-jointed. Upper wings large and full, pearl-grey, thickly peppered with black—the peppering leaving a band, towards the lower end, clear. The nervures are brownish amber. Under wings of finer texture, and with no black spots, but in some lights beautifully iridescent; have three nervures, the inmost indented. The insect is quick in its motions, making a sudden spring like the Frog-hopper.

EARLY STAGES OF FIDONIA NOTATARIA, WALK.

BY L. W. GOODELL, AMHERST, MASS.

EGGS.—Oblong, covered with hexagonal depressions and bright green in color. Length 0.6 mil.; width 0.3 mil. Duration of egg stage 12 days.

YOUNG LARVA.—Length 2 mil.; head twice as wide as the body, round and deep ochre yellow; body dull yellowish green with a faint paler stigmatal stripe.

MATURE LARVA.—Body of uniform thickness, deep green with a narrow sub-dorsal and stigmatal white stripe, and a dorsal greenish-white hair line; dorsal space pale green; ventral space yellowish green. Head brownish green with a lateral white stripe which is a continuation of the sub-dorsal stripe of the body. Length at rest 25 to 26 mil.; when crawl-