

stage 30 days. After fifth moult, length 1 inch; color green, striped with whitish. Twelve days later reached maturity.

MATURE LARVA.—Length 1.2 inch; long, slender, the dorsum arched; the last segment ending in two long, slender, conical tails, which are rough with tubercles; each segment creased transversely so as to make six ridges; the front ridge, from 3 back, is twice as broad as any other, and flattened, the rest nearly equal, rounded; the surface finely tuberculated, each tubercle giving out a fine and short hair; color of body green; a darker medio-dorsal stripe, and on either side of this a pale green band on the outer edge of which is a yellow-green stripe; these stripes and bands occupy the whole dorsal area; on the side a pale green band through which runs a yellow line; along base a yellow stripe; feet and legs pale green; head obovoid, the top narrow, and on each vertex a long, tapering, conical process or horn, the two meeting at base; whole surface rough with fine tubercles, each with short hair; color of head yellow-green, the horns red; down the front of the latter from near the tip a brown stripe, which passes down the side of face to the ocelli.

The only larva I have been able to raise to maturity died before chrysalis, so that I am not at present able to describe that stage.

*Canthus* does not fly in W. Va., and I was indebted to Mr. Chas. E. Worthington, of Chicago, for the first eggs and larvæ I obtained. The eggs were laid by females tied in a bag over grass, 11th to 13th July, 1879. When they reached me, 20th, by mail, some eggs were still unhatched. In all there had been about 50. They were laid on a species of coarse grass growing near the border of Lake Michigan, but the larvæ eat lawn grass readily. The first moult was passed 27th July; the second 2nd Aug., the third 16th Aug.; but at each stage some larvæ lagged behind, so that the third moult came on at various dates up to 2nd Sept. The color of all the larvæ was green till after third moult, when the first which had passed that moult, within 24 hours after it, changed to buff and brown, and 31st Aug., these were evidently fixed for hybernation. But two which passed the moult latest went on to fourth moult, one of them having changed to buff like those first mentioned, and passed fourth on 19th Sept., the other retaining its original color. This last passed fourth on 17th Sept., and about 24 hours after, it also had changed to buff. One of these escaped, and the other went into hybernation, but died during the winter. I lost indeed all the larvæ of the brood.