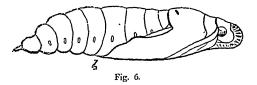
The chrysalis (fig. 6) is of a dark shining mahogany color, roughened especially on the anterior edge of the segments in the back. It remains



in the ground through the fall, winter and spring months, producing the \_ moth the following summer.

## VARIATIONS IN THE WING EXPANSE OF PEZOTETTIX.

BY G. M. DODGE, GLENCOE, NEBRASKA.

In the CAN. ENT., vol. ix., p. 112, I have described as a new species, under the name of *Caloptenus volucris*, a long-winged variety of *Pezotettix autumnalis* Dodge. I separated it because of its great length of wing, in which respect it equals many specimens of *Cal. spretus*, while in the typical *autumnalis* the elytra are very short, ovate and pointed. It also exhibited some variations in color. The latter I have since seen paralleled in *autumnalis*, and having found long-winged varieties of two other species of *Pezotettix*, I am now fully satisfied of the varietal character of *volucris*.

All the authorities agree in making the lack of wings, or the abbreviated character of those organs, the principal reason for separating the genus *Pezotettix* from *Caloptenus*. My experience shows, however, that the length of wing in these insects cannot be relied upon as a specific distinction even. It is plain that these long-winged varieties by in-breeding might establish a local variety of what would appear to be *Caloptenus*, but which would in reality be *Pezotettix*; It is possible, then, that all our species of *Caloptenus* were originally *Pezotettix*; that, by acquiring additional means of locomotion, were enabled to survive their ignoble relatives. This would certainly accord with the natural law of the "survival of the fittest."