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THE PICKLED FRUIT FLY—*DROSOPHILA* *AMPELOPHILA*, LOEW.

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In August, 1879, I met with a small Dipterous fly, *Drosophila ampelophila* Loew, in considerable numbers, and as the subject is of interest to entomologists, I give the result of my observations. I have to

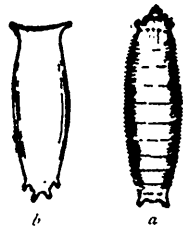


Fig. 10.—*Drosophila ampelophila*: Fly and Wing.
Magnified 10 diameters.

Fig. 11.—*Drosophila ampelophila*:
a, Larva; b, Pupa. Magnified 7 diameters.

thank Professor Hagen, of Cambridge, for the determination of the species and other information, and also Professor Lintner, of Albany, for a copy of his article in the "Country Gentleman" of 1st Jan'y, 1880, on this insect, and from which I have largely drawn.

With regard to the genus, Professor Lintner says: "Twenty-five North American species of *Drosophila* are catalogued, which have all, with the exception of three species common to Europe and America, been described by Dr. Loew, the distinguished Prussian Dipterist, and Mr. Walker, of the British Museum. They have not been studied by our American entomologists, and consequently nothing is known of their habits. I find no reference to a single determined species by any of our writers." In the "American Naturalist," vol. 2, page 641, an unknown species of *Drosophila* is noticed as infesting apples, preferring the earlier varieties. The larvæ penetrate the interior of the apple in every direction, and if there are several working together, render it quite unfit for use.