

our winters, but have succeeded better with summer and autumn sorts. The Tetofsky and Duchess of Oldenburg seem to be proof against almost any degree of frost. Montreal and Irish Peach Apple, quite hardy; and most of the Crabs, but some of the Crabs fail too.

Summer apples ripen their wood and drop their leaves early, consequently they are better prepared for the extreme frosts of this section of country. Perhaps my test is rather hard; our orchard is a rich clay soil, underdrained over four feet deep, and I thought rank growth and deficiency of lime were the cause of failure, but I have seen the Fameuse in Ottawa city, on lime-stone soil, doing no better than my own. I do not say the amateur cannot grow these varieties by proper summer pruning, slow growth, and suitable soil, but what is wanted for general cultivation are sorts as hardy as the Duchess of Oldenburg Apple and Transcendant Crab, that will thrive on any soil. As far as my experience goes, I am convinced that Ottawa must find new sorts, either of named varieties which have proved hardier in the north-west than the Fameuse, or seedlings grown on her own soil.

The Common Red Plum does well here; but Mr. Bucke gives a wrong idea, on page 168 of the HORTICULTURIST, about the Curculio; they are here in abundance. We smoked the trees with gas tar this year, they were less damaged than usual; but some trees left to test the tar theory seemed to be no worse injured than those that were smoked. The abundant crop this year was perhaps due to some peculiarity in the season, or it may be the Curculios overdid the thing the last few years and starved themselves out.

THE GREEN GRAPE VINE SPHINX. (*Darapsa myron.*)

BY W. SAUNDERS, LONDON.

This insect is common almost everywhere throughout Ontario, and must be familiar to every grape grower. The larva is rather a formidable looking creature, with a bull-dog sort of look about the head when at rest, arising from its power of drawing the head and two anterior rings of the body within the next segments, and thus unnaturally distending them. In this appearance it simulates the way of a well bred