

damage was observed upon forest trees of various kinds by the caterpillars of a small moth, not yet identified, which webbed the leaves together and consumed much of their substance. Maples and beeches were the trees most attacked.

DIPTERA.—A subject which has been of considerable interest to the Leaders is an injury to new bricks, previous to burning, brought to their notice by Mr. Walter S. Odell. The larvæ causing the injury travel up from the ground and burrow in the surface of the soft bricks, thus disfiguring them very much. On two or three previous occasions larvæ have been submitted by Mr. Odell, but it was not until the present season that the perfect insect was reared. Dr. Howard, of Washington, to whom a specimen was sent for determination, reports the species to be *Pachyrhina sodalis*, Loew. This is one of the Tipulidæ, or Crane-flies, the larvæ of which are known by agriculturists as Leather-jackets, many of which are extremely injurious to growing crops. The injuries of the above-mentioned species have been noticed in the brickyards both in autumn and spring, showing that this curious habit is manifested not merely at the time when the larvæ are seeking suitable places for pupation.

Among injurious flies one of the notable attacks of the past season has been that of root-maggots (Anthomyidæ) to all cruciferous crops. Another species of the same family has been troublesome this year by its attacks upon the young shoots of various species of cultivated Dianthus, and also of the elegant garden plant *Gypsophila paniculata*. This last attack has been observed for some years, but was first noticed this season by Mrs. M. J. Whelan, by whom specimens were sent to the Leaders.

A preliminary list of Ottawa Diptera and some notes upon these insects will be presented by Mr. Harrington this evening, illustrated by specimens of many of the species.

HEMIPTERA.—In this order some investigations have been made upon the local species of Scale-insects and Plant-lice. The most remarkable occurrence of these insects has been a severe attack upon Elm-trees, during the month of August, by a species of plant-louse, which appeared so abundantly upon shade-trees as to render sitting or walking beneath them exceedingly unpleasant.