

INSECT REGISTER FOR 1878.

- March 6th.—Weather warm and beautifully spring-like, several small insects on the wing in the bright sunshine, and the honey bees are swiftly flitting across the fields.
- March 7th.—Observed several insects in activity, both on the ground and on trees.
- March 9th.—Found some fine moths, both male and female, of what are supposed to be *Anisoptery Vernata*; also caught the first fine buzzing mosquito.
- March 21st.—Discovered mature May beetles about an inch from the surface of the ground.
- April 11th.—Observed the first young tent-caterpillars in activity on the cluster.
- April 15th.—Grape vine flea beetles observed at work on the buds of our grape vines; we commenced our war of extermination by vigilant hand picking.
- April 20th.—May beetles remarkably thick on the wing this evening; a loud buzzing is kept up by their activity and numbers.
- April 27.—Currant worms, (*Nematus ventricosus*) first observed at work on the young leaves of the gooseberry and currant bushes.
- May 1st.—Great numbers of currant worms are feeding on the bushes and threatening to totally strip them; applied powdered white hellebore in solution.
- May 2nd.—First potato beetles' eggs observed on the rising young plants. The beetles wait patiently for their appearance.
- May 3rd.—Flies, butterflies and moths on the wing in great numbers and joyful activity. Spring has certainly advanced.
- May 4th.—Young tent-caterpillars first moult; they are thriving well.
- May 5th.—Bark lice, Woolly aphis and cherry aphidians are present on young growth in great numbers.
- May 6th.—Measuring worms and leaf rollers began to work; their numbers are threatening to be great, inspiring alarm.
- May 10th.—We assisted our first Cecropia moth (*Attacus cecropia*) in its release from imprisonment and winter confinement. It is a great beauty, admired by all.
- May 15th.—The gooseberry bushes are literally alive with ravenous currant worms, totally denuding them of all their foliage. This is the *pest* of the season.
- May 20th.—Plum curculios first observed in their attacks on the young fruit. We tried jarring and smoking them.
- May 25th.—First full grown tent-caterpillar observed; these worms begin to travel, but are not nearly so numerous or so destructive as they were last year.
- May 26th.—First observed the effects of the gooseberry fruit worm, *Pempelia grossularia*, on the young gooseberries; many berries are dying and emptied of contents.
- June 15th.—First tent-caterpillar observed as a chrysalid.
- June 19th.—The pea beetle, *Bruchus pisi*, observed at work on the young peas.
- June 20th.—The second brood of currant worms hatching very thickly; they are very abundant and quite discouraging.
- June 24th.—The tent-caterpillar pupæ appear to be very generally injured by the larvæ of ichneumon flies; those flies are very abundant and very searching in their operations.
- June 26th.—Observed first perfect young tent-caterpillar moth, active and on the wing.
- June 29th.—Captured a fine hellgramite fly.
- July 1st.—Stag beetles, *Lucanus*, began to be active and abundant, especially in the evening.
- July 2nd.—Captured first grape vine beetle, *Pelidnota punctata*, on the grape vine; they are not very abundant or very injurious.
- July 10th.—Observed first new collection of tent-caterpillar's eggs on apple shoots.
- July 19th.—Codling moth larva first observed to be preparing for pupation in an old rag in a branch of a tree.
- July 24th.—Captured a fine young moth, *Sphinx quinque-maculata*, just released from its confinement.
- July 27th.—Captured some fine larvæ of the moth, *Attacus cecropia*, on young apple branches.

July 28th.—Fo

Aug. 10th.—Ca

Aug. 21st.—Fo

Sept. 25th.—W

Sept. 30th.—Ca

Oct. 16th.—Ca

Oct. 20th.—We

Nov. 1st.—Mos