

and an appendix of 62 pages, on the Warble Fly or Ox Bot fly, besides index, etc. A very interesting chapter deals with the development and injuries of four species of Belworms, or Threadworms, and the account of a serious attack of certain Ground-beetles, or Carabidæ, upon strawberry plants, is most interesting, because insects of this family are, in general, predaceous in their habits, and beneficial rather than obnoxious.

The Caterpillars of two moths are described as apple pests, and that of a butterfly, as attacking cherry. Currants suffered from the attacks of the moth, *Sesia tipuliformis*, which is also injurious to this plant in Ottawa, and the Red Spider infested the gooseberry. Mangolds suffered from Millepedes of several species, and turnips from insects belonging to several orders. It is regretted that a fuller synopsis cannot be given of this admirable report, which will add to the reputation already gained by the author for reliable and thoroughly scientific work.—W.H.H.

**Ornithology.**—A WELL MARKED BIRD WAVE.—The White-crowned Sparrow (*Zonotrichia leucophrys*) is a sparrow which generally keeps well together in its northward migration, the interval between the first and last observed individuals seldom covering more than 10 or 12 days, during the whole of which their pretty mating ditty can be heard almost hourly. This year the advance guard reached this region during the warm spell which made the second week in May seem so much like July. The first record was made on the 6th, and stragglers were seen up to the 11th, when the sudden drop in the temperature repulsed them wholly. Not a Whitecrown was seen or heard—except a solitary one on the 16th—until Sunday, the 20th, when with a slightly warmer and hazy weather, they suddenly re-appeared in full force. On Sunday, Monday and Tuesday they literally swarmed about the gardens and weedy vacant lots. Their song could be heard incessantly as long as daylight lasted. Even the House Sparrows were outnumbered, and their pugnacity overawed. The two species could be seen feeding peacefully side by side, the first instance, perhaps, of any native bird establishing a *modus vivendi* with this little bully.

In a solid body as they came, the White-Crowns appear to have passed on to their northern breeding grounds: on Wednesday, the