

EIGHTH REPORT OF THE INJURIOUS AND OTHER INSECTS OF THE STATE OF NEW YORK FOR THE YEAR 1891. By J. A. Lintner, Ph. D., State Entomologist, Albany, 1893.

Anything published by Dr. Lintner is sure to contain much valuable information and to be highly interesting, whether the subjects treated of are new to us or not. The report before us fully supports this statement. It treats of a large number of insects, injurious or otherwise, and gives in most cases a life history of each, including the author's own observations, which are always accurate and clearly detailed. Attention may especially be drawn to the accounts of the Raspberry Geometer (*Synchlora glaucaria*), the Birch-leaf Bucculatrix (*B. Canadensisella*), and the Pear-midge (*Diplosis pyrivora*). An appendix contains some very interesting popular lectures on Economic Entomology, which are well worth perusal. The only drawback to the report is the late date of its publication, which is more than two years after the observations recorded in it were made.

REPORT OF THE ENTOMOLOGIST AND BOTANIST (James Fletcher, F. R. S. C., F. L. S.), Central Experimental Farm, Ottawa, 1894.

Mr. Fletcher's reports are always interesting and valuable, and the present record of the chief insect attacks of last year and his observations upon them, is not less so than its predecessors. The season of 1893, as far as destructive insects were concerned, was only remarkable for the superabundance of locusts (grasshoppers) and the consequent damage inflicted upon oats and many other field and garden crops. Other attacks were for the most part of the familiar kinds which we have always with us; these are briefly mentioned in the report, while more attention is paid to the serious injury caused to grain crops in Manitoba and the Northwest by cut-worms, the ravages of locusts, granary insects at the Chicago Exhibition, the Horn-fly, etc. Very interesting accounts are also given of *Silpha bituberosa*, which attacks vegetables in the Northwest Territories, and *Polyphylla decemlineata*, which was very injurious to shrubs of various kinds in a nursery at Victoria, B. C.

In the botanical section of the report there are two papers especially noteworthy, those, namely, on grass for the protection of shores and harbours, and on the "Tumble-weeds" of the Northwest. The pamphlet is illustrated by a handsome full page picture of Mr. Fletcher's grass plots at the Experimental Farm, which are full of interest to every visitor, and thirty wood-cuts. It is gratifying to observe how steadily the author's reputation is growing, and how highly his work has come to be appreciated from one end of the Dominion to the other.