

combatting such pests in the orchard. The library and reading room are also connected with the greenhouse, and form a very important part of the equipment of the school. Besides many scientific works, the library contains books on the spraying of plants, injurious insects, fertility of the land, and many other practical subjects. The leading horticultural journals are kept on the reading room table, and bulletins are received from all the experiment stations and experimental farms in Canada and the United States, so that the student may become familiar with what is being done in all lines to advance our knowledge of horticulture.

Text books have been substituted for the lectures formerly given in the different studies, it being believed that in this way a more thorough knowledge of the branches taught could be gained in the time devoted to each subject. The first year of the course includes the following subjects: 1. "The Propagation of Plants—(a) by seeds, including requisites for germination, seed testing, preparatory treatment of seeds, sowing, requirements of temperature, regulation of moisture, etc.; (b) by layers including a description of the different kinds of layers, how made and with what plants they are used; (c) by cuttings, including parts of plants used, treatment to secure best results, different kinds of cuttings, etc.; (d) by grafting, including a comparison of the different methods, with the special use of each; (e) by budding, including the growing of the stocks for different trees and various methods of performing the operation. In all cases where possible the student is given illustration work in the different methods. 2. "The Spraying of Plants," including a discussion of the various materials used, the preparation of each, spraying pumps and nozzles, and a study of the more important insect and fungous pests, with the treatment for each. 3. "The Principles of Pruning," which embraces the season for pruning, the effect of winter and summer pruning, best method with different fruits, etc.

The second year is devoted to the general principles of fruit-growing, much time being devoted to a study of the soil in its relation to fruit growing. Briefly outlined, the course will embrace the following: The selection of land for different fruits, the tillage of fruit lands, the use of commercial fertilizers and barn-yard manure, cover crops, planting of fruit grounds, renovating