

apples in boxes. The exhibit was attractive, the apples being of high quality and neatly packed.

An exhibit of Spencer Seedless apples attracted much attention. A number of specimens were cut and given to fruit growers and others interested. Information regarding the variety was disseminated by members of the company.

A standard Wallace Sprayer was on exhibition.

### Important to Vegetable Growers

THE horticultural department at Guelph, the holding of vegetable growers' meetings throughout Ont., the increasing of the government grant of the assn. and the advisability of urging the establishment of vegetable expt. stations at central points throughout Ont., were 4 important matters discussed at the meeting of the directors of the Ont. Vegetable Growers' assn., held in Toronto, Nov. 7, at the time of the Ont. Hortl. Exhibition.

A special committee, composed of Joseph Rush, of Humber Bay; T. Delworth, of Weston, and W. C. McCalla, of St. Catharines, who had been appointed to visit the college to find what work was being done there for the benefit of the vegetable growers, and to make suggestions for new lines of work, presented their report.

The committee reported that at the time of their visit the crops at the college looked well, especially the onions and a few rows of asparagus planted the past spring. An exception was the early cabbage, which had been almost entirely destroyed by root maggot. In view of the fact that the O.A.C., in Bul. 122, gives remedies for this pest, the committee reported that they were surprised to find that these remedies were not in use. In the opinion of the committee, the value of the work done at the college would be much increased if the remedies suggested in the bulletins were found in actual operation there, so that visitors would be able to judge their work. So far as they were able to learn, no attempt had been made at the college to combat the root maggot.

On the trial grounds, a number of different varieties of vegetables were found to be under test. Some vegetables, such as beans, peas and celery, were not included in the test. The department of entomology had issued a bulletin on "The Common Fungous and Insect Pests of Growing Vegetable Crops." Experiments have been conducted this year with remedies for the radish root maggot, but no definite conclusions have been reached so far. Prof. Harcourt has been doing valuable work through experiments with fertilizers. Prof. Zavitz has conducted experiments of great interest in the growing of potatoes. In their recommendations, the committee expressed the opinion that it was a mistake for the dept. of horticulture to devote itself almost exclusively to variety tests. Many of the varieties under test are inferior, and were discarded long ago by gardeners. In the case of lettuce, out of the 91 varieties under test at the college, growers have found that only 6 or 8 are worth growing. The committee believes that the rest should be discarded and that in future the college might confine itself to testing the novelties introduced each year by reliable seed firms. It believes that this plan would much reduce the work of the college without impairing its value.

They suggested that work be attempted along the line of improvement, by seed selection or otherwise, of the best known varieties. The conducting of experiments to determine the best methods of fertilizing and preparing the ground, of planting, of cultivating, and of protection from insects and fungous enemies and of handling the mature vegetable crops; that these experiments should be conducted with a view to their value to the commercial grower. The initiative, they believe, belongs to the dept. of horticulture. In conclusion, the committee ex-

Mr. W. H. Brand, Jordan Station, was in charge and expounded upon the many merits of this well-known and well-tried machine.

Horticultural manures in variety were exhibited by The Arnott Chemical Co., of Toronto. An exhibition of fruits, flowers and vegetables would not be complete without the presence of the fertilizers that produced many of the first prize specimens.

pressed the opinion that the college and growers should keep in close touch with each other.

In a discussion that followed the reading of the report, the members of the committee made statements that were stronger than any contained in the report. The view was expressed that the hortl. dept. lacks a proper conception of the work it should undertake. Instead of branching out along new and important lines of work, it apparently has been content to do about as little as possible. Some of the directors stated that when they had asked for the appointment of a vegetable expert at the college, they thought that this expert would be given considerable power of initiative, but, apparently, he has been treated as but little better than a hired laborer. It was finally decided to lay the matter fully before the Minister of Agriculture. Later, the full board of directors waited on Hon. Mr. Monteith and presented their views to him fully. The assn. made application to the Dept. for an increase in its grant from \$600 to \$1,000. The assn. has 150 more members than any other assn. in the province. Its grant is only one-third of that of the Ont. Fruit Growers' Assn., and \$400 less than the grant to the Bee Keepers' Assn.

A report was read from a committee composed of representatives of the Kingston and Ottawa branches, who had been appointed to visit the Central Experiment Farm at Ottawa to ascertain what work is being done there. The report merely mentioned lines of work being undertaken at the farm, and did not offer any criticisms or suggestions for new work. Mr. Bushell, of the Kingston branch stated that the growers in the vicinity of Kingston feel that a vegetable expt. sta. should be established near there and

he asked for the cooperation of the Ont. Assn. in securing such a station. While the matter was being discussed, it was suggested that vegetable expt. stations might be established throughout the province on the same lines as the Ont. Fruit Exp. stations. This suggestion met with considerable favor. It was felt, however, that the assn. has been moving rather rapidly, and that it would not be wise for it to press for these improvements all at once.

A committee composed of Messrs. McCalla, Macoun and McMeans, who had been appointed to judge the essays in the essay competition, presented its report. The winners are as follows:

Potato culture—4 essays received.—1, W. A. Broughton, of Sarnia; 2, F. F. Reeves, of Humber Bay; 3, H. A. Blunden, Sarnia.

Cauliflower culture—4 essays received.—1, A. Knight, Cataraqui; 2, T. Delworth, Weston; 3, J. N. Watts, Portsmouth.

Tomato culture—2 essays received, one of which was received after the competition had closed and therefore was ruled out.—1, J. N. Watts.

(Continued on page 320)

**THE POST OFFICE DEPT.** saves you money, labor and worry. Take advantage of it by ordering your requirements through the mail direct from the advertisers in this paper, and thus save the middleman's prices. Mention this paper and thus insure prompt and courteous treatment. See our Protective Policy on the editorial page.

The Arnott Chemical Co., whose advertisement appears on another page, are now manufacturing their special manures in Canada. These fertilizers are carefully made from the best ingredients, as proved by their crop producing powers. The advantage of growers being able to obtain such high-class fertilizer manufactured in Canada, thus saving the import duty, cannot be overestimated. One specialty, their Concentrated Soluble Odorless Horticultural Manure, we can highly recommend to amateurs, especially ladies, as it is clean to handle and free from objectionable smell. It is invaluable for plants in the house, keeping them healthy and vigorous during the winter months.

## The Sovereign Bank of Canada

Chartered by Dominion Parliament

### A NEW CANADIAN RECORD

31st October	Capital Paid-up	Reserve Fund and Undivided Profits	Sovereign Bank Notes in Circulation	Deposits	Excess of Assets over Liabilities to the Public
1902	\$1,173,478	\$ 240,000	\$ 759,995	\$ 1,681,730	\$1,413,478
1903	1,300,000	362,838	1,237,650	4,309,432	1,662,838
1904	1,300,000	420,373	1,284,840	7,196,741	1,720,373
1905	1,610,478	523,461	1,550,790	10,134,209	2,133,939
1906	3,942,710	1,335,847	2,850,675	15,578,920	5,278,557
31st October	Cash on Hand and at Bankers	Bonds, Debentures, etc.	Loans at Call	Commercial Loans and Discounts	Total Assets
1902	\$ 383,097	\$ 439,363	\$1,630,199	\$ 1,358,469	\$ 3,855,203
1903	622,774	713,397	1,747,342	4,074,048	7,209,920
1904	1,214,822	672,034	1,179,540	7,014,123	10,201,954
1905	1,491,398	791,153	1,566,144	9,578,850	13,818,938
1906	3,916,842	1,612,831	4,614,067	14,640,510	25,343,401

### SAVINGS DEPARTMENT AT ALL OFFICES

Deposits of \$1.00 and Upwards Received

Interest Paid Four Times a Year

Mention The Canadian Horticulturist when writing.