

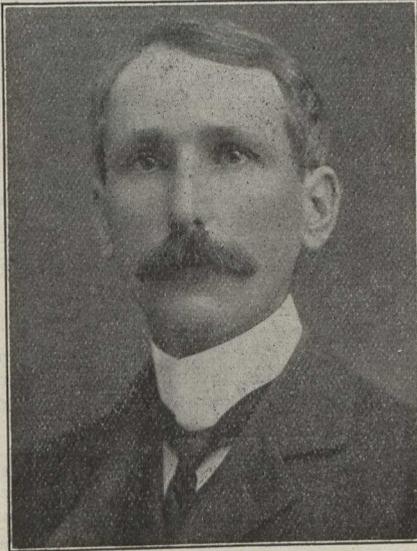
Box vs. Barrel for Apples*

Dr. S. W. Fletcher, Director Virginia Agricultural Station

In the past five years many of the eastern apple growers have tried the box pack. There have been more failures than successes. It is evident that the east is not yet ready for the box as a universal apple package; that under certain conditions the barrel is far preferable. Each grower must decide this matter for himself, having in mind the following points:

COMPARISON OF BOX AND BARREL.

1. It is probably true that the box is a more convenient quantity of fruit for the "ultimate consumer," who has recently received so much attention by tariff makers, than the barrel. Over 30 per cent. of our



W. T. Macoun, Dominion Horticulturist

The promotion is announced of Mr. W. T. Macoun, of the Central Experimental Farm, Ottawa, to be Dominion Horticulturist. Mr. Macoun hereafter will have supervision of the horticultural work at the various farms throughout Canada, conducted by the Dominion Government. Mr. Macoun has been given an assistant at Ottawa, in order that he may have more time to attend to his new duties. The promotion is well deserved. The principal bulletins published by Mr. Macoun have had a wide distribution. They deal with apples, plums, bush fruits, strawberries, potatoes, herbaceous perennials, and include a catalogue of the trees and shrubs in the arboretum at Ottawa.

population now live in cities, and the percentage of city dwellers is increasing with each census. A majority of the city and town people, constituting the main market for fruits, have no cool cellar in which fruit can be stored. Their storage facilities are limited to the refrigerator. They wish to buy only such a quantity of fruit as will keep, at the ordinary temperature of the house, while it is being used. Under such conditions the box is a more convenient package than the barrel. A large basket of the climax type holding about a peck, would be more convenient still, especially for summer and autumn apples.

On the other hand, there is a large demand for apples in bigger bulk,—not only because of the custom of years, but also for the winter supply of those who have a cool cellar, and for export. Certain varieties carry better across the water in barrels, than in boxes, because the latter packages permit the entrance of salt air.

COST OF PACKAGES.

2. On the Pacific coast, apple boxes cost from six to nine cents knocked down. As three boxes can be packed out of one barrel,

at that price the boxes are cheaper than the barrel. In the east we pay from eleven to twenty-one cents a box. In Virginia, boxes cost ten cents to twelve cents; in Minneapolis, Minn., fourteen cents; while Mr. Robert Brodie, of Montreal states that his boxes cost twenty-one cents. The price of barrels in the east this fall, ranges from thirty to forty-five cents, with an average of about thirty-five cents. Bought knocked down in car load lots, they have cost certain growers twenty-eight to twenty-nine cents. The inferior quality of some eastern made boxes, as noted previously, should also be considered. The comparative cost of barrels and boxes presents a local problem that each grower will have to solve for himself.

Prices of Fruit Supplies

By co-operating and purchasing their supplies in large quantities the fruit growers of British Columbia will be able to secure their supplies this year through their provincial association at the following prices:

Copper sulphate, English (limited supply) 112 lb. kegs	\$6 50
Sulphur, sublimed, 112 lb. kegs	2 95
Whale oil soap, 5 gal. tins (net 35 lbs.)	2 10
Arsenate of lead, 1 and 2 lb. tins (gross) per lb	20
5lb. tins	18
Arsenate of lead, 10 lb. kegs	17
Arsenate of lead, 25 lb. kegs, per lb....	16
Arsenate of lead, 50 lb. kegs, per lb....	15
Arsenate of lead, 100 lb. kegs, per lb..	14
Quassia chips (65 lb. bags) at 7c per lb	4 55
Quassia chips in less than bag lots, per lb.	08
All above, ex-warehouse Victoria, cash with order.	

Lime sulphur solution (test 32.5 (Baume) barrels (minimum 20 gals.) per gal. \$0 20 (Barrel \$1.00 extra).

Tins—4 gal. Imperial, per tin	1 20
1 gal. Imperial, per case of 6 gals.	3 00
½ gal. Imperial, per case of 12 ½ gals.	3 60
¼ gal. Imperial, per case of 24 ¼ gals.	4 20

Lime sulphur f. o. b. Victoria. Prices subject to 5 per cent. discount for cash.

BLACK LEAF TOBACCO EXTRACT.

The association will quote low prices on this spray on application.

FRUIT PAPER.

Duplex, for wrapping apples, pears and peaches, also for plum crates. Standard sizes cut to order.

In small lots (minimum 100 lbs.), per lb.	6½c
5 tons and over, per lb.	6 c
10 tons and over, per lb.	5¾c
Car lots, per lb	5½c
White news, for lining boxes, per lb. ..	4½c
Blue layers, per lb.	3¾c
F. o. b. Vancouver.	

Western Fair

The management of the Western Fair, London, Ontario, have been making active preparations for months for their exhibition, which takes place this year September 9 to 17. The prize list is printed and ready for distribution. A number of special prizes are being offered in the horticultural department. If space is required in any of the buildings, the secretary should be communicated with at once. Prize lists, entry forms and all information promptly given on application to A. M. Hunt, Secretary, London, Ont.

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MAGAZINES SENT TO ONE OR DIFFERENT ADDRESSES
The Canadian Horticulturist
Peterboro, Ontario

A REMINDER
The September issue of The Canadian Horticulturist will be our National Exhibition Number. Advertisers will do well to reserve large space for that number. No increase in rates.

*A portion of a paper read at the conference of the American Pomological Society held at St. Cathar. Ont., last September.