

## Increasing Farm Profits



Spray better if you would have better fruit—more profitable fruit. Tests of different State Agricultural Departments prove that well-sprayed trees produce more and better fruit and bring much higher prices than unsprayed or poorly sprayed trees. Neglected and poorly sprayed trees mean small yields and stunted, rough and wormy fruit. Cheap, inefficient sprayers are an expensive nuisance.



are the world's sprayer standard. They give the utmost satisfaction under the hardest conditions. 64 years' experience proves it. The pump works easy and evenly, the nozzles never clog but spread the solution properly. The agitators keep the solution well mixed and the materials used are chemical proof. Made in all types for hand or power at prices to suit everyone.

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# GROW

**Don't Miss It!**

The Spraying Number for February Tells How, When and Why to Spray. Special

cover and 2 articles, well illustrated. Get copy in early.

ally, outside the districts in which it is grown. The growers should learn to spread out the shipping over a greater space of time. This can be done by a system of pre-cooling, greater cooperation and a more extensive system of cold storage. Then, with the various fruit-growing districts better united, it will be easier to secure better railway facilities.

Mr. A. Onslow declared that more jam factories are immediately needed in the district to use up the big quantities of second-grade and much first-class fruit that are going to waste. If outsiders do not come in and put up the factories the growers must themselves cooperate and build.

H. Fleming of Grimsby urged that no growers dispose of all their crop to either canning factories or to the commission men, but that they be divided between the two channels to prevent a glut.

### TORONTO AGENCY ADVOCATED

Mr. Broderick said the committee should take up the matter of establishing an agency in Toronto at once. It could be done with profit to the grower and consumer.

The present eleven-quart basket came in for considerable condemnation. It did not well stand the rough handling of the express men last year. Numerous reports were made to the convention of baskets all but going to pieces, and of course the fruit suffered. Prof. Crow declared that the day of the basket as a shipping package would soon be past. "We are nearing the day of the adoption of the box for all classes of fruit," he said, "and when it does come there will be more satisfaction all round."

Prof. McCubbin of Ottawa, who has been conducting laboratory experiments in the district, stated that he had been investigating a new disease which is infecting grapevines, a sort of fungus growth, and yellowing of the leaves. He expected to soon have a remedy. Some progress has been made in combating the little peach and yellows by means of a tar product. A year after application an affected tree on the Thompson farm had shown great improvement, and he was hopeful of total elimination.

## The 1912 Export Trade

E. H. Wartman, Dominion Fruit Inspector, Montreal

Many packages of fruits at the show in Montreal, last season came under my inspection between August 25th and November 26th.

Peaches, pears, and apples went forward in their respective packages, generally speaking, in a most creditable manner. Yet we must not think our system is perfect. I will enumerate a few of the weaknesses.

Too many cars came forward in which the apples, both staves and fruit, were in a soaked condition. This has the effect of soaking the fruit and packages. The wood is made so soft that it loses its resisting power, and when the packages are piled four deep in cars the bottom floor is made quite oblate and the packages are squeezed out or so nearly out that when they come out. In proof of the weakened state of barrels I might mention that seven heads came out while they were unloading one car. This is the result of a lack of cover somewhere from rain, and someone has to suffer severely as these re-coopered barrels are in a state not fit to go forward.

I always think the one-quarter inch wire nail is the all-round nail, and in places where the inch nail is used we see the disaster—for in wet, soft wood they do not hold. There is nothing like having fruit packed dry in dry barrels and kept dry.

When fruit and the barrels inside are wet, mould accumulates inside the barrels and covers, fungi starts, and as there is no chance for evaporation there is a healthy condition to promote rot.

The advantage of the eight hoop barrel is also seen. It is much stronger to rough usage. The six hoop barrels, which they have two body hoops, look very well. The eight hoop barrels are still safe in closing two hoops. Although the eight hoop barrels were generally used last season as still too many barrels had only one hoop fancy that while they are not the best approved they are the handiest and best to get.

In many cases there is too much difference in the size and color of the apples.

## Fruit Growers

If intending to buy a power sprayer it will pay you to investigate the merits of our successful MODEL 2, B, a cut of which was shown in the December number of The Canadian Horticulturist.

### SPRAYER AGENTS WANTED

## Evaporator Men

If intending to build a new EVAPORATOR or install a POWER SYSTEM in the old hand plant, WE CAN INTEREST YOU.

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We manufacture a complete equipment and install same with skillful, experienced workmen. We can show you many of our up-to-date, labor-saving factories now in operation which compare favorably with the best anywhere.

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