

were really marvellous. Their orchard was visited by hundreds of fruit growers and was generally pronounced as the best they had ever seen. It consisted of less than six acres, and was sold to an apple buyer for \$1375.00 on the trees, and he reports it was a profitable investment for him. Thus Messrs. Long, with an investment of \$95.88, realized in one year a return of \$1375.00. This amount represents over three times more than was ever realized from the orchard in any previous year. As a test case, in this orchard, one single tree that was situated among berry bushes, was left unsprayed, with the result that the fruit was totally unfit for even the evaporator.

#### A NOTED ORCHARD

Messrs. J. C. and M. C. Smith produced last year a large and beautiful crop of apples. It was in their orchard located in Burlington that the government held the fruit meeting on September 7th that was fully reported in the October issue of *The Canadian Horticulturist*. This meeting was attended by prominent fruit growers from all parts of Ontario. This orchard consists of three hundred trees. At the time of the meeting considerable discussion was heard as to the probable quantity of apples in the orchard and the probable percentage of No. 1's. At the time of the meeting Messrs. Smith were offered \$2500.00 for their crop, which was refused. This orchard packed out over 1050 barrels, and for which over \$3500.00 was realized. Apple Scab and Codling Moth were almost entirely controlled. The only No. 3's that were in the orchard were those marked by hail.

This orchard is over fifty years old and the trees large and hard to handle. The most approved care is given the orchard in the way of pruning, cultivation, fertilizing and spraying. Probably no orchard in Ontario receives more thorough spraying than this one, and it is this thorough spraying that produces apples so nearly perfection. This orchard was sprayed four times with a power sprayer at a pressure of one hundred and eighty to two hundred pounds. At each application it received about three thousand gallons of spray. This orchard has had this systematic care for the last four years, and has produced on an average of one thousand barrels per year. The soil in this orchard is very light sand.

Messrs. Smith have another orchard situated close to the Mountain on hard clay land. This orchard they have had for two years only, and have succeeded in producing two beautiful crops. The crop this year consisted of over fifteen hundred barrels, over twelve hundred of which were Northern Spys. The same care and attention was paid and the same high results were obtained. This orchard had been neglected for fifteen years, and the way in which it responded to treat-



Orchard owned by Mr. J. C. Smith, Burlington, Ont., where Spraying has Paid

This orchard was thoroughly sprayed last year with lime-sulphur and produced exceptionally fine fruit. It is mentioned in the accompanying article.

ment was remarkable. Probably the most beautiful Spys that were ever grown in Ontario were in this orchard this past year.

#### OTHER GROWERS SUCCESSFUL

Many more instances could be given of results obtained in this section. The above orchards are mentioned only because they had previously been neglected and are quoted to show what can be done in one year. The old fruit growers in the district who have for years been taking care of their orchards, were again rewarded with good crops of good fruit. Particular mention should be made of Mr. A. W. Peart, Mr. H. T. Foster, Mr. Smith Freeman, Mr. W. F. W. Fisher, Mr. R. C. Fowler, Mr. Leeman Wilson, Mr. W. H. Easterbrook, and Bell Bros.

The only good apples in the district were found in orchards that had been thoroughly sprayed. It has been demonstrated that spraying pays. There have been many doubters in this section about this question, but it is very hard to find any of them now. It is generally predicted that spraying will be almost universal this year. The growers in this section are using commercial Lime-Sulphur and Arsenate of Lead. They claim their results are most satisfactory.

There is probably no section in Ontario where growers have had so many obstacles to overcome as here. This is the recognized home of the Codling Moth. In the valley between the mountain and the lake this pest has flourished to perfection. Here they also have San Jose Scale, Oyster Shell Bark Louse, Blister Mite, Bud Moth, Aphis, and about every pest known to affect the apple. That they have suc-

ceeded in controlling these pests, is creditable to them, and should be an object lesson to fruit growers in other parts of Ontario. Fruit growing has received a great stimulus in this district, and Halton county may be reckoned on in the future as a producer of good apples. Several new Fruit Growers' Associations have been formed in the vicinity, and their intention is to grow apples for profit.

#### Experience in Spraying

Hamilton Flemming, Grimsby, Ont.

I have always used the home-made lime and sulphur mixture in almost equal proportions, and applied while warm. My spraying outfit consists of an ordinary forty gallon barrel with hand pump, hose rod and a double nozzle. I commenced spraying operations last year on March 31st, and finished April 11th.

#### RESULTS

In an orchard of one thousand one hundred peach trees, I applied twenty-four barrels of spray at a cost of ninety cents a barrel. The trees were sprayed *very* thoroughly. The direction of the wind was carefully watched. The lime in the mixture made it possible to see where branches had been missed, and so made a final touching up an easy task.

I had very little curl-leaf, except on fifty "Triumph" trees, which, however, yielded an average of nine eleven quart baskets per tree. No thinning was necessary. From eight hundred trees in bearing, I marketed seven thousand two hundred quart baskets, chiefly "selects" or No. 1. My trees appear clean and in a healthy condition.