

pration could then be secured for the purpose of the board.

Mr. A. C. Wells spoke strongly against the carelessness of people who endangered other people's orchards because they would not spray.

Mr. Todd bore testimony to the good effects of spraying on his own orchard. Of his whole crop last year, there were only five boxes out of five hundred that showed any fungus on the apples and that only slightly.

From his personal knowledge, Mr. D. Stephens said spraying would save 90 per cent. of his Bonne de France pears were diseased last year.

It was very pleasant, Mr. Palmer said, to hear the general expression in favor of spraying. When spraying was introduced here a few years ago there was a great deal of ignorance on the subject.

The meeting also expressed an opinion as to the advantage of the farmers in spraying their orchards. It was very evident that the spraying was a success in many cases.

HINTS TO FRUITGROWERS.

Advice as to the Best Methods of Planting an Orchard.

At the opening of the evening session Mr. Alexander Campbell, of Toimie, gave a very practical paper on hints to intending fruit growers.

1. Nature of the Soil.—One of the chief considerations in selecting land is that of suitability; secure that which is best adapted for growing all the different kinds of fruit.

2. Location.—The nearer you are to a good market will be an advantage to you all, and needs not be said that it will ensure the delivery of fruit in good condition.

3. Preparation of Land Before Planting.—When draining is necessary, a plan should be drawn out of the drains, so that if in after years you should be required to lift for road, or for drainage, no damage or as little as possible should result to permanent trees.

4. Variety of Fruit Suits for Local Market.—Here we are brought face to face with the undoubted fact that no other parts of the Dominion or else rely upon his past experience to guide him with certainty in selecting the most suitable varieties of fruit trees.

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fruits, a safe basis to go upon would be: Strawberries, 1 running yard or 3 plant, yield 1 lb.; raspberries, 1 stool of 6 canes, yield 2 1/2 lbs.; gooseberries, 1 bush, yield 10 lbs. With good and careful treatment, these quantities can be largely increased.

Now that we have seen the experimental results of the spraying, it is better in my opinion to give advice to give it on the side. Trees from one to two years old are the best to plant.

It can be seen no reason why nurserymen should not be as careful as the seedmen, in the selection of their stock.

6. Treatment for the First Year.—To do justice to a young orchard well pulverized soil is a great advantage, and it is good to mulch until such time as the roots have got a good hold.

Judicious pruning is a very necessary part of an orchardist's work, as is also that of spraying, to keep in check and to prevent the growth of insects and insect pests, so injurious to the healthy development of tree and fruit.

7. Fruit growers' associations and membership.—In bringing these hints to you, I have addressed a few words to those who have not as yet joined any local fruit growers' association.

CO-OPERATIVE ORGANIZATION.

In What Manner Can Farmers Improve Their Conditions and General Prosperity.

One of the questions we must ask ourselves as farmers is, in what manner can we improve our condition and our general prosperity? This leads us to the consideration of our opportunities, and whether we make the most of them.

It is obvious that in a community one man may be successful in one way, while another may be a better gardener than the former.

Without entering into party politics they can take up public questions affecting the interests of the community, and also questions of freight rates, the improvement of public highways.

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similar system is one, when we consider that in Ontario, in 1885 the first 12 meetings were held in 1885 303 meetings were held in 1886 there were 666, with an attendance of 102,461.

This paper brought out the same discussion as had taken place during the afternoon on the multiplicity of exhibitions. Mr. Thomas Cunningham, of Mission, spoke out for centralization, saying that two or perhaps one grand show was better than a lot of little ones.

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B. C. FRUIT EXCHANGE.

Mr. G. W. Henry, the Manager, Tells How It Was Formed.

Mr. G. W. Henry in his introductory remarks on the reasons for the formation of the fruit growers' exchange, said that the fruit growers' association had been formed for seven years or more.

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THE FRUIT GROWERS.

They Wind Up Their Annual Meeting by Passing Several Important Resolutions.

Dominion Government to Be Asked Not to Lower Duties on Agricultural Products.

The Fruit growers' association last night concluded what has been declared by many their most successful meeting, the members returning to their homes with plenty of food for reflection in the papers read and the views interchanged.

As becomes industrious men, the fruit growers with work bright and early yesterday, the meeting of officers for the year resulting as follows:

President, T. G. Earl, Lytton; first vice, G. H. Hadwen, Duncan; second vice, J. W. Moggridge, Hazelton; secretary, J. W. Moggridge, Hazelton; treasurer, J. W. Moggridge, Hazelton.

It was pointed out that the same discussion as had taken place during the afternoon on the multiplicity of exhibitions. Mr. Thomas Cunningham, of Mission, spoke out for centralization.

DEAD SPOT ON APPLE TREES.

R. M. Palmer Reads a Valuable Paper on This Pest.

At the closing session of the fruit growers' annual meeting last night, Mr. R. M. Palmer read a paper on Dead Spot on Apple Trees.

This disease is reported from all districts of the Lower province, as prevailing to a greater or less extent, in many instances killing young trees. There is still great diversity of opinion in regard to this disease or condition of the apple.

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ont that the fruit growers would gain by their combined influence in transportation. In this connection the ventilated cars furnished by the C.P.R. last year were imperfect, but the company had promised to get all the information they could on the subject and remedy the defects this year.

The results of the season were not as favorable as we had hoped," he continued. "Not that the system proved unsatisfactory, but that the expense of carrying, printing, advertising, etc., has been a greater cost than anticipated, and the fruit crop has been so very much reduced that the growers on the whole have not been better off than last year.

As an ordinary preventative autumn spraying would probably be sufficient, but in severe cases both should be used to produce new infections. The summer spray to use on bearing trees would be five ounces copper carbonate and three pints ammonia in 40 gallons water.

In British Columbia I have observed that dead spot does not occur in the interior valleys, and either not at all or very slightly extent in orchards of lower province situated on soils containing lime, such as clean shell beaches where there is a good natural drainage. It is now pretty well established that in soils which are planted on heavy soils, such as clay, a percentage of lime, and again the question of proper drainage of orchard land has not received the attention required.

It is important that these matters should receive attention, unless they are surrounded with what may be termed "proper sanitary conditions," and supplied with the element of plant food necessary to promote healthy growth.

These are thoughts we must take into consideration, and even though at first we meet with extra expenses and losses, our only salvation as fruit growers is to get an established trade in distant markets.

During the forenoon, the Premier, Hon. J. H. Turner, was present for a short time, and congratulated the association on their valuable work. He referred to what had been said the previous day in the discussion regarding the agricultural fairs, and expressed the opinion that something might be done in the direction of several of the societies agreeing to hold a joint exhibition, which would necessarily be better than their acting separately.

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also studied the disease, writes in the report to it as follows:

Dead Spot is caused by the deep-seated fungus that finds its sustenance in the inner tissues of the bark and only appears on the surface for the purpose of spore formation and reproduction. The mycelium of the fungus spreads in various directions through the bark and can generally be cut out without injury to the tree, stripping off all the dead outer bark, and diseased tissue.

These little pustules burst, when the can reach the surface of the dead spots, and insects to other trees and other portions of the same tree. They germinate in autumn, and begin to penetrate the bark at once, and repeat the cycle of growth. The spore bearing mycelium can reach the surface of the dead spots, and repeat the cycle of growth.

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were degenerating in the sea of this tariff.

Mr. D. Stevens in reply said only to look across the line, the low prices there, to see we had the disastrous effect of putting the tariff wall. He wanted to get on with the tariff, as the duty on malt increased, so that as in the old days should be kept for their own benefit.

The report was adopted, with voice dissenting. The special committee composed of Messrs. D. Stevens, J. H. and E. M. Palmer recommended lowering resolution, which was adopted.

Whereas it has been considered necessary for the best interests of growers of the province to work of this association in the investigating and developing, and placing them more prominently before the people of their districts by exhibiting their produce.

Resolved, that the government respectfully requested to give annual grant to this association of amount of \$1,500 in order that it may be satisfactorily carried out.

Votes of thanks to the city and the president closed the evening session of the annual meeting. The quarterly meeting will be held in Vancouver.

A little group of three or four of the fruit growers were standing together yesterday on the results of the meetings held here. They were J. E. Lader, of Cowichan station, J. Cobble Hill and W. Ford of D.

One of the things I would like to have brought on more fully, Mr. Robertson, "was the need of feeding the trees. At the association the economy of feed was dwelt upon, and I feel just as important to see that trees are well nourished.

Mr. Robertson is one of the members of the flockmaster's union and his idea is that fruit trees should be fed with sheep. Sheep allowed to run in an orchard is a great benefit.

Mr. E. Lader is a great believer in the importance of dairying to the farmer. His opinion is that at present the dairymen are not getting the best of the business.

The advantages of co-operation among the farmers was the topic Mr. E. Lader, chatted a few minutes, as he waited for the fruit growers to be called to the meeting. Mr. Hutchinson was president of the fruit exchange meeting at Mission a few days ago.

Mr. J. T. Collins, who is a graduate of the University of British Columbia and who has during the past year been attending the school of dairymen and the fruit growers, is thoroughly convinced that dairying is a good thing, with more made in it. At his home on Saanich Island the dairymen are not getting the best of the business and it will shortly be given an encouragement by the establishment of a large and thoroughly modern dairy.

Waterworks matters were discussed by length by the city at a special morning meeting attended by all members of the waterworks committee. The contractors for "extras" formed the subject of the meeting, and the report from the finance committee in this connection—upwards of \$15,000 would be required to remain in the hands of the contractor for the proper completion of the contract—it was decided by a vote of 10 to 5.

In regard to the contract with Messrs. Walkley, King & Co. and the corporation, for the construction of waterworks in the works at Beaver lake, the 75 per cent. of the amount was paid to the contractor and the balance was held in escrow. The contractors were entitled to \$12,000, viz., \$6,399.48.

PERSONAL OPINION

The Value of Feeding Fruit Trees—Fruit Exchange Their Mission.

How Creameries Advance their Industry for Spring Island.