

any protection were not making as thrifty growth as in the other case I referred to. I also remember another case where two dozen apple trees were planted alongside of a building, where they were exposed to the prevailing winds, but the trees were making an indifferent growth. On the next farm the trees were protected by the buildings, and they produced good fruit year after year. I quote these examples to show you that wherever the trees were planted with protection, they were were making good and thrifty growth. In some sections, close planting is beneficial. By planting the trees closely also the trees are less liable to sun scald. One tree will protect the other. A case came to my notice in New Brunswick where the outside row was badly affected with sun scald and the inside of the orchard was not touched by it at all. I also remember another case where fifty per cent. of the trees were affected by sun scald owing to not having protection or shelter. Protection in close planting is undoubtedly a good thing. I also know of another case where sun scald was affected by pruning. I know of a case where the trees were 25 years old—Wine Sap—producing good fruit. The gentleman who owned this orchard was advised to prune his trees. He did so and gave his orchard an ideal pruning. Next year following, the bark of his trees began to peel off, and he lost fifty per cent. of his trees; and in fact I think he has lost seventy-five per cent., due to the fact of removing the surplus growth. He allowed the sun to strike in among the main branches; whereas, if he had allowed the surplus growth to go, the trees would not have been sun scalded.

I think it is a mistake for the fruit growers of the Maritime Provinces to attempt to grow fruit on heavy clay soil—heavy clay sub-soil. A soil of that description will not make the trees have a thrifty growth. One of the difficulties we have to contend with in Nappan is that we have a clay soil with a heavy clay sub-soil. Where you have a heavy clay sub-soil, it is a mistake to attempt to grow fruit trees; and I lay down that principle in any talk I have with farmers. The mechanical condition of the soil and protection are two of the most important elements the fruit grower should take into consideration.

Then there is the cultivation of the soil and the proper care of the tree. Then there is another important thing in selecting