

APPENDIX No. 2

BEST SIZE OF TREE TO PLANT.

Q. What age are these trees when planted?

A. We find the most satisfactory tree to plant is from 9 to 24 inches, not more than 2 feet. We have planted trees from 9 inches up to 8 or 10 feet.

Q. After four or five years' growth to what size would they attain?

A. After the second year they will make from 2 or 2½ to 3 feet or more of growth a year, depending upon the kind of tree.

By Mr. Blain:

Q. Is that the size of tree you would recommend the farmer to plant on his farm?

A. Yes, about 2 feet.

Q. Two feet high?

A. Two feet high. If only planting one row of trees he would, perhaps, need to be very careful, and if only 9 inches, the trees would be hidden by grass and that sort of thing. If putting out only a single row it would be better to plant the trees a little taller than 2 feet.

Q. I may say that in western Ontario they plant a great many trees 10 feet, and they do very well?

A. You are speaking more of avenue trees?

Q. Yes?

A. I am speaking of trees for timber purposes at the present time.

By Mr. Martin (Wellington):

Q. If you were to plant a tree a foot high and another two feet high or three feet high, what would be the difference in their height in say three years' time?

A. I believe that the tree one foot high, providing it has had good cultivation, will be as tall as the three foot tree, because the taller the tree the longer it takes for it to become established, for the reason that the larger the tree the more the roots are injured in taking it up and the longer it takes to get established. So you can easily understand the expense would be light in planting a forest plantation by getting these little trees which can be purchased very cheaply.

Q. If they are to go in a row it is necessary to have them nearly all of the same size?

A. For a wind break it does not matter so much, although it is well to start them out as nearly alike as possible.

RATE OF GROWTH OF FOREST TREES.

We have published in our reports from time to time the height and diameter of the different trees in these belts. We annually take the measurements of the trees. The diameter is taken 4 feet 6 inches from the ground, and then we take the total height each year so that we can tell how much the tree increases in height and diameter. It might interest you to know just the height of a few of them. For instance, taking the white pine which was planted in the spring of 1889 when 8 to 10 inches in height and 5 x 5 feet apart they are now 31 feet 8 inches in height. The last record I have here is that for the fall of 1906.

By Mr. Pickup:

Q. What is the diameter of that tree?

A. The diameter of that tree, this white pine, is 4½ inches, 4 feet 6 inches from the ground.

Q. We can beat that in Nova Scotia?

A. Yes, I think you can beat that in Nova Scotia.