



"Heeling-in" Jack Pine Seedlings.

Trees should be mulched with a layer of straw litter or of leaves, or a mixture of these, in spring after planting to conserve the moisture. The mulch should be removed two or three times during summer to allow cultivation, and during droughts water should be adequately applied. To a tree growing in a dry soil ten gallons at an application is not too

much. A slow and careful application is necessary so that the water will soak in properly.

The spacing of trees along roads should be such as not to cause a "still air area" one in which the snow will swirl and block the road causing disintegration of the surface. Under the Bonus System of planting in Ontario, trees may be planted as

little as fifteen feet apart, and certain undesirable kinds of trees are allowed to be used. This spacing is not sufficient along any road, or even in villages or towns; fifty feet apart is more like a proper minimum spacing. Along the Provincial Highways the spacing is 75 feet apart. Probably the Tree Planting Act will in the near future be revised.

The average cost per tree along the Provincial Highways of Ontario, including all replacements, is about \$1.25 per tree. This amount includes every operation from and including purchase, digging, digging holes, transporting, planting, staking and mulching.

The average cost of maintaining trees along the Provincial Highways is about 50 cents per tree, per year, for two years. This amount covers the cost of the necessary operations of watering and cultivation. During the third and later years the trees are usually sufficiently established to care for themselves. Except in the case, perhaps, of excessive drought where watering must be resorted to, perhaps one thorough application being given. During the first and second years four to five applications of water may be necessary.



Timber Limits

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Dominion Forestry Branch Fire Patrol Steamer "Hope" on the Slave River in Northern Alberta.