

days the laths are taken off so as to give the pines as much light as possible. At the beginning of the third season the pines which are only two or three inches high, perhaps three or four, are taken out and put in plantations, four or five inches apart each way, or on a farm they might be set out in rows two feet apart and four or five inches in the rows so that they could be cultivated with a horse. They stay there one or two years. When they are four years old, by which time they are 8 to 10 inches high, they are ready for planting and from that time on they will grow very rapidly, making from two to three feet of growth in a year, and they will soon become quite large trees.

*By Mr. Lewis:*

Q. Does what you say apply to cedar as well as to pine?

A. Yes, to cedar and spruce.

TIME OF PLANTING FOREST TREES—CARE REQUIRED.

*By Mr. Caldwell:*

Q. Do you experience any trouble in transplanting pines?

A. No, but they have to be treated carefully.

*By Mr. Lewis:*

Q. Would you take pines from the open for transplanting?

A. They do not transplant so readily as nursery grown trees, because they have very few roots. Out in the open, as a rule, they have a hard struggle to exist, because there is much rank vegetation around them. The difficulty is that having such few roots it is harder for the tree to start. Of course, you can do it, but it must be borne in mind that the roots of pine trees must never be exposed to the sun, for even two or three minutes of sunshine may cause them to dry up very rapidly, and once the gum of trees like pine or spruce dries, it is really the end of them.

Q. What time ought you to transplant?

A. Just as early in the spring as the soil is in good condition.

Q. Ought you to do it twice a year?

A. In some magazines and periodicals it has been stated that the best time to plant evergreens is in the month of August, I don't know whether that is what you refer to, or midsummer. That recommendation has, I believe, been largely due to the advertising of persons who have evergreens for sale. The middle of summer is a comparatively slack time for the business of selling trees. The evergreens can be planted at almost any season of the year, provided you don't let the roots get dry. It has been advertised that the most successful time is in the middle of summer, but it is not so. The middle of summer is a very difficult time to transplant.

*By Mr. Sinclair:*

Q. Is the tree not healthier and stronger in the middle of summer when the buds are on it?

A. Yes, it is apparently so, but the difficulty is this: In the middle of summer when you transplant there is such a tremendous evaporation or transpiration of moisture going on from the top. The air is so dry and the sun so strong that if you transplant the tree then, unless the work is done very carefully the surplus moisture will be evaporated from the top.

Q. I have known spruce trees planted in Nova Scotia in July that succeeded very well. Some farmers who planted them have thought it a very suitable season?

A. Yes, they do very well there. As I have already said, the Atlantic coast is much more favourable to evergreens than the central part of Canada for the reason that the