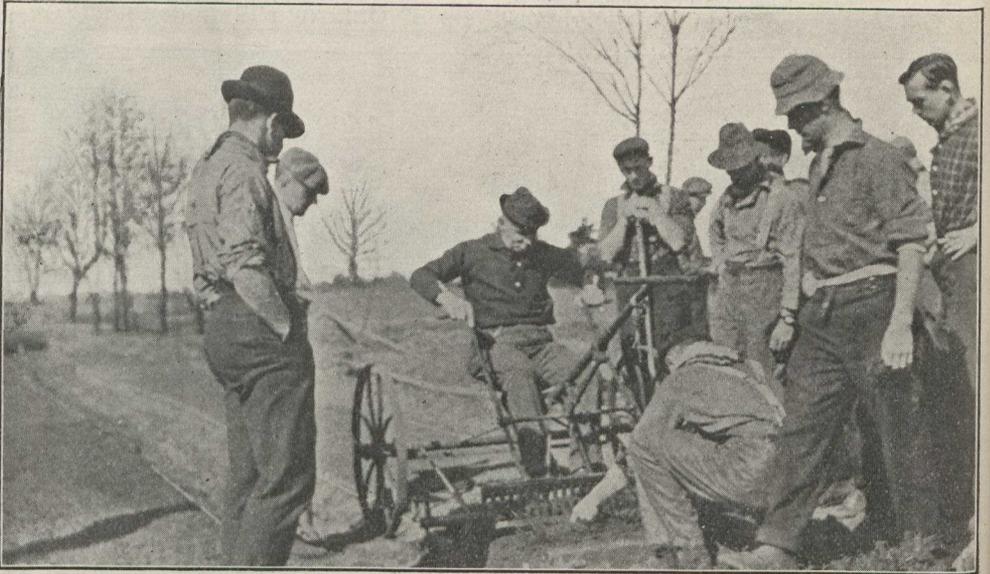


with jackpine and Scotch pine close seconds. Black locust has the power, like the clover and some other plants (legumes) of enriching the soil by reason of the colonies of bacteria which adhere to its roots. Outside of its use as timber it is thus useful as a culture plant. Black locust is a wood little known in Canada, but it is highly valued for work requiring firmness and toughness. Insulator pegs, vehicle and railway car timbers are made from it, and it makes the best of fence posts.

Although the plantation has been

forestry lines with the idea of getting a perpetual supply. Mr. McCall met Dr. Fernow on this visit and told him that he had got his first ideas in this direction from some pamphlets which Dr. Fernow sent out about ten years ago. Mr. McCall is naturally much interested in the progress of the Government plantation. Others also are known to be interested, and as the experiment becomes more widely known its effect in regard to the care of private timberlands will be very great. Professor Zavitz has in the past given



Dr. Fernow operating a seedling-planting machine, Norfolk County Nursery Station.

established for only three seasons there has been a notable change in the land in the plantation itself, and the effect is also beginning to be seen in the greater interest shown by timber owners in their timberlands. On the farm adjoining the nursery which belongs to a private citizen, there is a sawmill which has been running for about seventy years. Mr. Walter McCall, the owner, is understood to be desirous of keeping the mill going in perpetuity. He is the holder of a very considerable area of timberland in the district, which he is working on

careful figures as to the cost of producing timber from plantations in southern Ontario, and from this time onward he will be able to show the actual results as well. The great problem of this feature of forestry in Canada is whether it will be undertaken by individuals or whether it must be undertaken by institutions like governments, federal and provincial, and municipalities, which never die. This has yet to be worked out, but the work of the Ontario Government plantation at St. Williams will undoubtedly advance the solution.