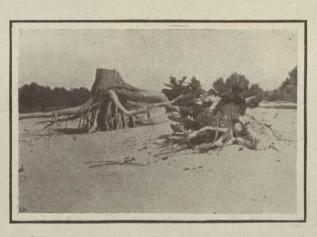


Heavy Hardwood Bush, growing on rocky "soil" that never would be fit for raising wheat or potatoes or even grass.

## PASSING OF THE WOODEN AGE Fourth Article by A. H. D. Ross A Question that is Agitating a Continent which Fifty Years Ago was in the Woods.

**I**<sup>N</sup> former articles we have noticed that the con-sumption of wood throughout the whole civil-ised world is greater than the normal produc-tion; that enormous areas of forest and wood-land throughout Canada are annually destroyed by land throughout Canada are annually destroyed by fire; and that there is urgent necessity for the pro-tection of our timber, if we are to build the rail-roads needed for the opening up of our agricultural and mineral resources, and to provide fuel and building material for our rapidly increasing popu-lation. We also dealt at some length with the beneficial influence of forest cover upon climate, and its regulating influence upon stream flow—with particular reference to transportation and irrigation

and its regularing innicite upon siteal now with particular reference to transportation and irrigation problems, and the development of electric energy for traction and industrial purposes. In this article I wish to point out the necessity of conserving our forest resources, and to note some of the benefits to be derived from thorough-<text><text>



Sand Desert made by the wind after the forests were cut.



Planting Trees-A Slow Process.

were once the homes of teeming and prosperous populations, but which with the destruction of their

were once the homes of teeming and prosperous populations, but which with the destruction of their populations, but which with the destruction of their come the prey of erosion by wind and water, and are to-day mere shadows of their former glory; without hope of ever materially bettering their con-ditions. For want of knowledge and foresight they have destroyed their soil and water. Generations still unborn must reap the fruits of their ancient folly. The point of the story for us is that Canada does not hold any special dispensation from Provi-dence, and that a similar transgression of the laws of nature will inevitably bring the same results. An advancing civilisation calls for more exact and scientific methods in all departments of life, and in forest administration there is no exception to this general rule. The crude present day methods for what some ill-informed people are pleased to call forestry may be likened to the agricultural efforts of our forefathers who scratched the soil with wooden ploughs and paid little attention to the future uses of the land. Like agriculture and min-ing, forestry has a scientific basis. When better more important economic questions of the day just as our agricultural colleges and experimental first studies a during to teach the prin-riples of agriculture and investigate the new prob-more important economic for professional men-with superior technical training to teach the prin-riples of agriculture and investigate the new prob-more dist will command equal attention and be more important economic for professional men-mention and just as our mining schools and our geo logical survey department need highly trained sweath, so our forestry schools and the bureaus of precipies of agriculture and investigate the new prob-moring schools and our geo logical survey department need highly trained wealth, so our forestry schools and the bureaus of precipies of forestry and the investigation of its mean that are constantly coming forward for solu-tion, and just as our mining

principles of forestry and the investigation of its many complex problems. The idea that scientific foresters are purely theoretical, and of little use in the community, is now pretty well exploded, and it will not be long before the science of forestry is recognised as a distinct profession, ranking equally with engineer-ing, law, medicine and teaching. The forester does not aim to oppose Nature, but to assist her; to make use of the favourable conditions naturally existing in any given locality, and to hold in check the unfavourable ones. He exercises his skill in the selection of the most suitable species, and modifies their growth so that they will produce time without diminishing the value of the soil for the