



TESTING OUT THE MOTOR FIRE PUMP, BOW RIVER, ALBERTA.

This Motor Pump was designed for Dominion Parks Branch, Dept. of the Interior.

after the truck arrived on the scene of the fire. In spite of its jumping the road in two places, the fire was easily kept under control and subdued in a very short period, the truck giving most efficient service and Mr. Sibbald and myself were highly delighted with the manner in which it worked."

"Mr. Sibbald states that he considers the Fire Truck to be easily the best means we have of fire fighting and he has nothing but praise for the manner in which it fulfils our requirements. I would ask that whenever favourable opportunity arises a second truck be secured for our use."

The reports regarding its use at later fires have been correspondingly enthusiastic. Every one in the Parks forest fire service is satisfied from the experiments at Banff this year that the new motor truck fire engine constitutes just as valuable a development in forest fire work as did the original portable unit.

SPRUCE RESOURCES IN DANGER.

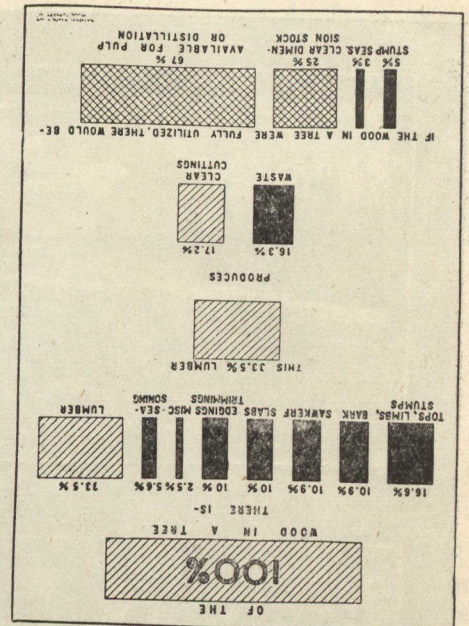
(Toronto Globe.)

That spruce is being crowded out of the forest areas of Ontario, Quebec and New Brunswick owing to methods of lumbering employed, is the verdict of Dean Howe, of the Faculty of Forestry, University of Toronto. In some places spruce is being cut down six times as fast as it can be replaced by nature.

Under the auspices of the Commission

of Conservation, now abolished, Dean Howe surveyed more than 10,000 acres of cut-over pulpwood lands to determine the rate at which spruce and balsam were re-establishing themselves after logging. He established 25 acres of sample plots where conditions affecting the regeneration of the pulpwood species can be closely studied through a series of years.

In co-operation with certain pulpwood companies more than 600 acres of experimental cuttings have been established. The idea of this is to find some modification of the present cutting methods that will increase the amount of young growth of spruce.



LUMBER CONTENT OF A TREE.

The National Association of Wood Turners, Inc., (U.S.) has issued the chart above to show the percentage of lumber and waste in the average tree. This chart assumes that the total content of the tree is 100 p.c. This total is understood to include such items as leaves, undergrowth, to be the practicable total, and does not etc. The studies of the Forest Service are followed as to the content of this practicable 100 per cent. The lumber wastes are taken from experience data of the National Association of Wood Turners, also the totals for salvage from slabs, edgings, and short or crooked logs. The total theoretical salvage possibilities were worked out entirely from basic data analytical derived, and supplemented by field studies.



View showing Pumper with suction hose in place.
Photo Country Parks Branch, Dept. of the Interior.