Protection of

Fire Protection Shown by Survey

The thorough survey of Crown lands undertaken by the New Brunswick Government has already revealed very important facts. The progress report recently submitted calls attention to the fact that while one-third of the total stand consists of hardwood species, ineluding maple, beech and birch, yet these species form only 1.5 per cent Summer Camps of the annual cut of the province. This indicates clearly the opportunity and the need for the development of industries to utilize this class of material. Those hardwoods are eminently suitable for the manufacture of flooring, chairs, turnery, etc. There is also a large amount of poplar suitable for the manufacture of soda pulp.

It is estimated roughly, on the basis of present information, that on the entire Crown land area fires have, during the past 40 years, caused a loss of stumpage that would now be worth \$14,280,000. with a potential manufactured value of some \$80,000,000. These figures indicate the enormous losses that result from repeated forest The results thus far secured from the investigation amply prove the wisdom of the New Brunswick Government in starting and continuing this study, which will furnish a scientific basis for the administration of Crown lands for many years to come.

As elsewhere throughout the forest sections of Canada, the immediate imperative need is for adequate protection against fire. New Brunswick Government now means thousands of residents of has this whole matter under consideration, and it is to be assumed that modern and up-to-date methods will be put into effect, following the progressive lead taken in table not cleared for hours after

Expansion of Fishing Industry

Under the stimulus of exceptionally high prices, the exploitation and food production of Canada's fisheries during the coming year should be substantially increased,

highest on record. For many years Purification of the development of the fishing in-N. B. Forests difficulties. While there has been a steady and even rapid growth in Imperative Need of Adequate capital investment and in the secondary operations, such as canning, similar progress has not been in evidence with regard to the primary occupation of catching fish. With improved equipment and orindustry may be expected to evince

Fresno, California, has secured the use of 15 acres on the shores of Huntington lake, in the Sierra tion has done much to improve pubnational forest, on which to esta- lie water supplies. But it is not a blish a camp to provide summer cure-all, and its limitations are far outings for 11,000 school children and their parents. California State Normal School now occupies a portion of the same forest. connection with the regular sixweeks summer course, this school gives a course in woodcraft and general forestry subjects. students visit the nearby Forest Service ranger stations and lookout towers, and study the Government's methods of fire protection.

Los Angeles was the first city in California to establish a vacation camp in the national forests. tract of land in the Angeles forest has been rented, and a large camp built, costing about \$8,000. camp consists of a log and stone lodge, 46 furnished cottages, tennis and croquet courts, grounds and handball courts. A ten-day trip can be made at a cost which is within the reach of The practically everyone. By this the city have been able to spend their vacations in the mountains.

The careless housewife, with the some of the other provinces.-C.L. each meal, assists the flies very nfaterially in contaminating food, by milk, sugar, butter, etc.

Water Supply

Sewage Treatment Essential to Satisfactory Results have Protection of Primary Source

Progress in water purification constitutes one of the brightest ganization and with a continuance pages in the history of sanitary of current market conditions the engineering in America during the past 25 years, but much remains the Dominion Railway Co a productive capacity far beyond to be done both as regards its gen-sion, has produced remark eral adoption and its application where local conditions call for special treatment. Apparently, progress in water filtration has been in the Forests somewhat retarded through efforts for the extinguishing of fire to make chlorination serve as a substitute under conditions where it is not entirely adequate. Chlorinamore clearly appreciated with the practical proofs now existing than fires have been reduced to a pe when academically recited six or eight years ago.

Under certain conditions chlorination secures public water supplies of good quality without filtration. The great difficulty lies in gauging the proper amount to be introduc-For many water supplies subject to chlorination without filtration, real difficulties are encountered in so adjusting the dose, of chlorine as to guard against objectionable taste and odours on the one hand, and inadequate destruction of objectionable bacteria on the other

Present day consideration of sewage disposal as related to water supplies assumes that the primary source of supply is not grossly polluted and that any sewage affecting its purity has been treated in order that its filtration for domestic use may not be rendered ineffective through the overloading of the fil-The methods adopted must involve the recognized principle that any water filtration process must begin by the treatment of the sewage before it is allowed to conallowing them to settle and feed on taminate the source of water supply.—L.G.D.

CIVIC IMPROVEMENT LEAGUE CONFERENCE

The Commission of Conservation is co-operating with the Dominion Civic Improvement League in the organization of a conference to be held in Winnipeg on Monday, Tuesday and Wednesday, May 28, 29 and 30th. The conference will be held in the lecture room of despite the absence of many fisher-the Industrial Bureau under the presidency of Sir John Willison. men on military service. It is Addresses will be delivered by Sir James A. M. Aikins, Lieutenant-gratifying to note from the fishery statisties for the last two or three Davidson of Winnipeg, and Sir Clifford Sifton, Chairman of the Comyears that the marked decrease in mission of Conservation. The conference is one of exceptional importthe number of fishermen actually ance. It is believed that, apart from the prosecution of the war, there fishing in Canadian waters appears is no more urgent national question than that of securing greater to have been arrested. During efficiency and economy in connection with municipal government.

1915, as compared with 1914, the The conference will assist in achieving that object by the opportunity total number of fishermen increas- it offers for an exchange of views and by its general educational ed by nearly 5,000 and the number of persons employed in all Women which holds its annual meeting in Winnipeg during the same branches of fisheries' work was the week.

Railway Fire Protection Wo

Secured under Competer Direction

The railway fire protection in the establishment and ada tration of which the Commi-Conservation has co-operated satisfactory results. Under provisions of the Railway Act the regulations of the Board railways subject to its jurisd have assumed full respon sumably due to railway Admirable co-operation has isted between the railway izations and the several Dor and provincial fire-protective cies, with results (boroughly factory to all concerned. Ra of very minor importance, at railways have also rendered service in the extinguish many fires, for the origin of they were in no wise respon During 1916, 558 fires we

ported as originating in sections, within 330 feet of subject to the Railway mission's jurisdiction, being fires less than in 1915. Of 69 per cent were definitely buted to railway causes. It cent to known causes other railways, and 13 per cent t known causes. Of the 388 chargeable to Yailway cause fires or 26 per cent were inc fires which did no damage. fires or 74 per cent are large which burned over 11,290 valued at \$35,566. damage from all fires is estin at \$39,482. Of this the rail are charged with 90 per known causes other than ra fires 8 per cent, and unknown 2 per cent. Thus, on all subject to the jurisdiction of Board throughout Canada, forest fires definitely att able to railway agencies did age amounting to only \$35,3 a remarkably good showing, sidering the unfavourable w conditions.

Of all fires reported, the o were as follows: Locomotive per cent; railway employe per cent; campers and travel per cent; settlers, 8 per cent; known causes, 3 per cent; unkn causes, 13 per cent.

The use of tank cars for fighting purposes is now in conthe Canadian Pacific, G Trunk, Temiskaming and N ern Ontario, and Canadian ment railways. Such equip has proved its effectiveness wider use is to be hoped for

Fight the fly with cleanling tidiness and ventilation.