Fires on Railways

Government Railways Should be Under Regulations of Railway Commission

"The requirements of the Board of Railway Commissioners have been well observed on the whole. and the loss to our forests for which the railways can be held responsible is but a small fraction of the total fire loss," stated Sir Clifford Sifton at the Ninth Annual Meeting of the Commission of Conservation. "This, as compared with the situation ten years ago," he continued, "is an improvement of the first magnitude. I should here explain that we secured the adoption of legislation by which the Board of Railway Commissioners was authorized to impose fire protection measures upon the railways, and we then assisted the Board in drafting the regulations. When these were adopted, the Board appointed our chief forester as its chief inspector in the enforcement of fire protection regulations for all the privately-owned railways of Canada. The jurisdiction of the Railway Commission now extends to approximately 85 per cent of the railway mileage of Canada.

"There are still 4,087 miles of Dominion Government railways and 350 miles of provincially chartered railways in Alberta not subject to regulation and inspec tion by the Railway Commission. and the fire prevention service applicable to these two classes is not comparable to that applied under the Board of Railway Commissioners. The Minister of Railways has, so far, declined to take the progressive and effective step of adopting the regulations of the Board of Railway Commissioners in full and putting their enforcement in charge of our chief forester, unquestionably the best qualified man in Canada for the work. We trust this will soon be done. The situation at the present time, is, therefore, that the Parliament of Canada, in its zeal for the public good, requires all privately-owned railways, such as the Canadian Pacific railway, the Canadian Northern railway and the Grand Trunk railway, to submit to the regulations which are imposed for the public good by the Board of Railway Commissioners, but they will not allow the Intercolonial railway, which they themselves own and manage, to be put under those regulations. The result is that on, the Government's own railway the

Taking no thought for the morrow has been characteristic of Can-cilities of the province, both natada's forestry policy in the past. In the early days, the forest was the delivery of pulpwood and pulplooked upon as an impediment to wood products on the important development, and great areas were ruthlessly destroyed by fire to make room for farms. Then for many years the lumber industry cut and culled the choicest timber without should be ascertained. Then, meaa thought as to the reproduction of the crop. Gradually, however, it was realized that only scientific cutting, combined with careful replanting, could prevent the exhaustion of the country's timber and pulpwood resources

This realization was followed by a generation of debate concerning the methods of forest management that should be adopted. In spite ment of the trees removed, it is obof that, however, it was possible for Dr. C. D. Howe, one of Can- for one generation of trees.

FORESTRY FORETHOUGHT of Quebec. Quebec has, however, the most important pulpwood area in Canada. The transportation faural and artificial, are excellent for Development Since 1874. Need markets in America and England.

Much additional information as to the amount, distribution and accessibility of these pulpwood areas surements of each tree in typical areas set apart for that purpose, should be made from time to time to ascertain the natural annual increase in diameter under normal conditions in the forest. This information would make possible a close estimate of the probable duration of the supply.

But, unless there is a replacevious that the supply can only last ada's leading forestry experts, to study of a limited area in the St.

Coal Supplies and Imports of Cana

Decreasing Imports

The coal supplies of Canada second only to those of the Uni States in quantity, and comp favourably with those of great coal-mining countries in ity, quantity and accessibility mining purposes. The known i in Canada underlain by work coal beds is estimated by Mr. D. Dowling at 111,168 square containing over 1,300,000 mi tons of coal. For convenience classifying, the coal-fields may divided into four main divisions follows:

(1) The Eastern Division, e prising the bituminous coal-fields Nova Scotia and New Brunswiel

(2) The Central or Interior Di sion, comprising the lignites Manitoba and Saskatchewan. the lignites, sub-bituminous. tuminous and semi-anthracite en fields of Alberta, as well as bituminous coal-fields of the Roe mountains in southeastern Brit Columbia.

(3) The Pacific Coast Divis comprising the bituminous fields Vancouver island, the bitumin and semi-anthracite fuels of Que Charlotte island and the interior British Columbia, and the lignit of Yukon.

(4) The Northern Division, ed prising the lignites and low-gra bituminous coal of the Arct Mackenzie basin.

The coal-mining industry of Ca ada has developed at a very rap rate. In 1874, the earliest year f which there is a reliable record. production was 1,063,742 tons. 1916, it amounted to about 500,000 tons. But in spite of t striking development, imports has increased faster than production In 1916, they exceeded 17,000,0 tons, or over 53 per cent of the tol consumption for that year.

When it is remembered that Ce tral Canada is dependent on United States for supplies of co the desirability of changing the conditions becomes apparent, b from a mining and a nation standpoint.—W.J.D.

I believe, if we considered ultimate object of cultivating lan we would put more energy as w as wisdom into our attempts. Th ultimate object is not merely me money from the crop now, but t ministering to civilization just sincerely as a man does who see fices himself to win this war civilization may not perish.-J. W. Robertson.

It was estimated in 1907, after which has been adopted throughout thodical stock-taking has been made operate their own water supply systems. the remaining portions of Canada." of the available pulpwood supplies tens.

FIRE WASTE AND HOW TO PREVENT IT

Curtailment of fire waste is one of Canada's greatest problems. Over \$25,000,000 in property values were burned last year. NEGLECT of simple precautions was responsible for threequarters of this loss.

STOVE pipes, should not pass through wooden partitions.

ELECTRIC wiring should be installed by competent men and should be regularly inspected.

RUBBISH should not be permitted to accumulate in attics and

VIGILANCE in regard to these seemingly trivial matters will eliminate one-half of our fires.

Abolish the "strike anywhere" match and hundreds of children's lives will be saved.

Trained fire departments may extinguish fires, but they are helpless to prevent them.

Insurance partially indemnifies individual losses, but cannot restore the property destroyed.

ONLY individual carefulness can materially reduce Canada's fire waste.

Now is the time for action. Will YOU do your part?

say recently that: 'We are woe-| Maurice valley, Dr. Howe found fully ignorant of many of the that balsam and hardwoods prefundamental facts, absolutely essential to the first tottering steps that spruce and pine are being in the management of the timber steadily and surely depleted. By resources of the country

There is urgent need for a definite stock-taking of the commercial timber and pulpwood now available. Mathematical accuracy is not defect. However, to improve upon essential, but sufficient cruising and gathering of data should be completed to permit of reliable estimates being made. Such work has already been done by the Commission of Conservation in British Columbia. Similar work will be fire protective service is the worst done in Ontario, as soon as the that we have in Canada. Urgent funds are available and the necesnecessity exists for dealing with the sary organization has been comnorthern railways in Alberta, and pleted. Then, too, the provincial it is to be hoped that the govern- government of New Brunswick is ment of that province will fall in engaged in making such a survey. line with the progressive spirit As yet, however, only a partial me-

dominate in the new growths, and practising scientific forestry, and by discovering means for utilizing the hardwood forests profitably, much may be done to correct this nature, it is necessary to know how nature acts and reacts upon the thing we wish to improve. Thus far, no determined and sustained efforts have been made in Canada to get such data in regard to forests. It will be essential to discard the trust-to-luck-and-to-nature policy and substitute therefor a policy based on knowledge obtained by scientific studies of conditions.

Slightly over 79 per cent of the a full inquiry, that the annual average of the slightly over 79 per cent of the a full inquiry, that the annual average of the slightly over 79 per cent of the sligh municipalities of Canada own and age loss caused in Great Britain