Comission of Conservation

CANADA

SIR CLIFFORD SIFTON Chairman IAMES WHITE Assistant to Chairman and Deputy Head

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Conservation is published about the first of each month. Its object is the dissemination of information relative to the natural resources of Canada, their development and the proper conservation of the same, together with timely articles covering town-planning and public health

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prevention and safety precautions could have been prevented is one of the first duties both of the parent and teacher.

mean decrease in cost of produc-This decrease will

The housing problem is business. City planning is business. Sanbusiness every employer and employee to be greatly reduced. consider, for only under favourable A fertile field for the propaga-living conditions can the human tion of the "safety first," or acciciency

borrower. In order that she may continue to buy abroad what she borrowings, she must sell. European countries will require all Canada can produce, and to take advantage of this opportunity, some churches are taking an acher production, especially of live stock and farm produce.

Discussing from an American standpoint the situation created by the European war, Mr. George Otis Smith, Director of the United Geological Survey, emphasized the essential requirements of American industry. As his remarks are also applicable to Canada, they are quoted herewith: Coming down to bottom facts, the United States will profit by the European war only as the nation makes larger and wiser use of its mineral resources. Foreign mar- their courses with such a magkets in the main can be won and held only as the quantity or quality of the "Made-in-America try of the "Made-in-America" of the United States.

The experience gained by the other producing by the other producing and the policy followed republic and the policy followed.

nations. The buyer, whether he in the administration of her won- VALUE OF SCIENTIFIC FORESTRY best for his money. duct that industry should begin at home, and therefore every in- instructive. dustrial opportunity in America should be improved. If these opgrasped every one of us can indulge in optimism." +67

ACCIDENT PREVENTION

That accident prevention is largely a matter of education has been clearly demonstrated by carefully compiled statistics of some United States railways, recently published. On one railway, during a period of fifty-three months of operation since the formation of safety committees among the employees, a reduction of 371 is shown in the number of persons killed and of 11,258 in the number

At the same time, despite this favourable showing, in three years there were registered 17,781 acci-The training of children in fire dents, of which 99 out of every 100

While no statistics of the acci-dents occurring throughout Canada, are available, it requires only The increase in consumption of a casual glance at the newspapers "Made-in-Canada" goods will to show that the number is large. In view of this fact, it is very enable evident that there is great need of Canadian manufacturers the bet- an extension of the "safety first" ter to meet competition in foreign educational movement in Canada The subject is one which should not be left entirely to private interests to develop; it is in the general interest of Canada at stary science and public health are large that the number of her dis-These are questions for abled and injured citizens should

unit reach the maximum of effi-dent prevention, movement is the public school. The need of care should be taught the child, as last-Canada is a large importer and ing impressions can be made upon the young mind. The pulpit also has an influence which should be requires, and pay interest on her directed towards education along accident prevention lines. This work may rightly come under the head of social service, in which

> Canada owes it to her people. municipalities owe it to their citizens, schools and other organizations owe it to their scholars and members that attention be faithfully directed to the matter of safety and accident prevention, both public and personal, and that they be made to realize that it is better to be careful than be a cripple.-D.

NATIONAL CONTROL OF NATIONAL RESOURCES

of the United States.

be in the Far East or in South derful resources have been note-America, wants the most and the worthy, while the result is one of Yet it would deep interest. To the average seem a safe rule of national con- American citizen the policy has been costly, to the foreigner, instructive. The final outcome foreigner. has been that, in a land originally permeated by the gospel of state portunities are recognized and rights, there has now grown up a vast and potent public opinion favouring national control of national assets. State administration has, in actual practice, resulted in lack of uniformity in legislation, in interstate competition and in the vesting in the few of the property rights of the many The ever increasing sentiment advocating central control of natural resources has had its practical manifestations in the national conservation movement inaugurated under Mr. Roosevelt, and in federal legislation respecting forests coal deposits, water-powers, and migratory birds.

At the present time, a further neasure of this nature is awaiting attention of Congress-a measure which aims to place migratory fish under the protection of the Washington government

PLOUGHING MATCHES

There was a time in Ontario and Ouebec when the ploughing match was an event of importance in many localities. Later, interest in the matches decreased greatly. especially among the younger men. As a result, good ploughing and good soil cultivation have fallen back some points since the old days, except in the few districts where the matches have been continued, As the first-class ploughman is tion of which will render the likely to be a good cultivator of the soil, agriculture, in general, has this, to secure a process of treatsuffered. On the other hand, the farmer who regards ploughing merely as a process of turning over land, the sooner done the better, will not, and can not, be a onstrated that the use of a good good cultivator of the soil. Unless quality of linseed oil carrying a the soil is well ploughed, it is suitable pigment will materially best of preparation for the seed.

It is encouraging to note, however, that the ploughing match is being revived, and that the Prairie Provinces also are taking a keen cinders may lodge; irregularities interest in competitions of this in the surface are also filled up by kind. If they are beneficial as an aid the paint. to better farming on the virgin prairie they are of even greater value in that, under a one-minute exthe older parts of the country. where the land needs more careful working to maintain soil fertility and increase crop production. Good ploughing is a matter of good ploughmen as well as of good ploughs and, as these matches encourage good workmanship. they are worthy of support by all interested in better farming. As they have an educational value Few nations have set out on and often give the boys the needed encouragement to remain on the any positive fireproofing material, nificent national domain as that farm, ploughing matches might the results obtained from the use which was placed in possession well form one feature of the work

The aim of forestry is to bring the forest up to its highest state of productiveness and keep it there In the United States, where forestry is not practiced except on Government and State lands the estimated annual production is 12 cubic feet per acre.

In Canada, the average rate of growth is undoubtedly materially less than this, the climatic conditions being, on the whole, less favourable

In Saxony, where forestry has been practiced for many years, the annual production is 93 cubic feet. According to experts, the rate of growth in Canada, as well as the United States, could undoubtedly be multiplied several times over by the adoption of proper scientific methods, ni which the most essential at the present time is efficient fire protection

Fireproofing Shingles

The Use of Paint Greatly Reduces Their Danger

Building conditions in Canada are such as to make the use of shingles for roofing houses, stables, almost universal. Their general use, in an unprotected condition, adds considerably to the ordinary fire risk, as well as to the conflagration hazard, and, consequently, increases the insurance rate on the buildings concerned. To overcome this disadvantage, numerous investigations and ex periments have been and are still being made with the object of discovering a material the applicashingle roof fireproof, or, failing ment of shingles whereby they may be included in the category of slow-burning structural ma-terial. Thus, it has been demimpossible to give the land the reduce the hazard. By the application of paint, the shingles are protected from the weather. thus preventing warping and the formation of pockets in which hot

Experiments have demonstrated posure to flame, painted shingles are barely affected while unpainted shingles are badly at-tacked. Under a three-minute test, the unpainted shingles were severely burned while the effect upon the painted ones was such that the actual burning was limited to the portion directly exposed to the flame, the paint retarding the spread of the fire and the charring of the wood. In the absence of of paint upon exposed shingles may be considered one of the best means of reducing the fire risk on shingle-roofed buildings. -D.