Commission of Conservation

CANADA

In CLIFFORD SIFTON, K.C.M.G. Good Progress Reported and Chairman JAMES WHITE ssistant to Chairman and

Deputy Head

clipping for reproduction.

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WEEDS

With the call for more producoe crops on the farm. In preparng for these crops this year it will he grop is in can make up for a growth, etc. of cultivation before the crop anted. If the ground is prong, the battle is largely won. orough tillage of the soil beplanting, thousands of tiny will be killed which would wise cause trouble in the growrop. By preventing the weeds per acre. growing the crops are given tter opportunity to develop roduce the food which is red by Canadians in Canada the Allies in Europe.—F.C.N.

PROTECTING THE STURGEON

bill now pending in the New State Legislature provides the prohibition of sturgeon g, within the waters of lake bounding the state of New for a period of three years. sylvania has already passed a or bill which, however, be-operative only when the of Ohio and New York and rovince of Ontario impose reons of like effect. The hisof the sturgeon fishery, not in Ontario but throughout the itation followed by extreme able, especially in view of the

New Brunswick **Forest Survey**

Splendid Results Achieved

Plans are now being made for the resumption of field work on the New Brunswick forest survey, of Conservation is published the which P. Z. Caverhill is in charge. int of each month. Its object is A report recently submitted by Mr. in dissemination of information Caverhill to the New Brunswick e to the natural resources of Government shows that, of a total , their development and the of some 7,500,000 acres of Crown r conservation of the same, lands, 550,000 acres have been sur her with timely articles cover- veyed and examined by the field Rapid Growth in its Use for the town-planning and public parties. The mapping and compilation have been completed for a e newspaper edition of Con- total of 371,000 acres. Of this TION is printed on one side area, 76 per cent is covered with e paper only, for convenience merchantable timber, less than 2 per cent with second growth of less than merchantable size, 11 per cent has been burned but now contains young forest growth in sufficient quantities to replace ultimately the former forest, and on 9 per cent ing an excellent quality of steel among 100 farmers in one town-of the area mapped, fires have from a comparatively poor quality ship, it was found that 63 of them eaused such damage that satisfacon there may be a tendency to tory reproduction has been made crease the acreage of high pro-impossible. Of the remaining 2 per neing crops such as the root and cent, less than half represents the area of lands cleared or cultivated. and the balance is made up of cariwell to thoroughly bear in mind bou barrens, cranberry bogs, swamp at no amount of cultivation after land not supporting commercial

The cruise shows that the 282,-064 acres of timbered land mapped 000 tons per year; to-day there are In many instances the great waste prepared for the seeding and to date contains 447 million feet of saw timber and 728,000 cords, yearly production exceeding 1, tary loss due to the smaller busipulp wood, spool wood, etc. grand total is thus 811 million feet, or an average of 2,900 board feet

> If it be assumed that the 371,000 acres mapped to date is fairly representative of the 7,500,000 acres of Crown lands, the total stand will be in the neighbourhood of 16,220 million feet estimated to be worth in stumpage at least \$48,000,000. Mr. Caverhill estimates that the harvesting and marketing of this erop will distribute among the people of New Brunswick not less than \$300,000,000,-C.L.

Greater Production

Increased Output from Canada's Fisheries to be Undertaken

The Canadian Fisheries' Association is to be commended for its commercial enterprise and patriotic service in undertaking an extensive nion, has been one of vigorous campaign for an increased output from Canada's fisheries. It is the Whether or not it is intention of the Association to not only have the splendid fisheries of t call for increased food pro- the Dominion contribute as largely on, to immediately impose the as possible to the relief of the ime measure suggested in New mediate grave shortage of food, but state, there can be no ques- also to promote permanent developsents, the Canadian Fisheries' As- Farming Co-operation sociation, like the Canadian Fores try Association, Canadian Mining Institute, Pulp and Paper Association, the great farmers' organizations and numerous other influential bodies identified with promoting and protecting primary production in its various phases, can at the same time be of great service in assisting more proportionate national development than Canada has been securing during the present century.

The Electric Furnace

Production of Steel

steel furnace has made exceptional matter in urban centres, but it is progress under war conditions, much more so in the country for, the supply, and junk piles are or the farmer drives in for his supsearched for available metal, the plies, the cost is there electric steel furnace experiences a boom because it is capable of makof iron and steel scrap. As more and more careful conservation of natural resources becomes necessary, electrical processes steadily duce or buying his supplies cogain ground because of their operatively. greater economy in the use of raw driving this ten miles (5 miles each materials.

the United States producing 100, waggon, his own time and energy. over double this number with a of time and energy and the monet, of 000,000 tons. These furnaces re-The quire in the neighbourhood of terially reduced by extension of the 150,000 h.p., one of the largest co-operative system. single installations having a total capacity of 70 tons in units of 15 and 20 tons

The relative growth in Canada is even greater; the electric furnace steel production has increased from 61 tons in 1915 to 43,790 tons in 1916. In Montreal alone, according to figures supplied by the Civic Investment and Industrial Co., there are in operation, or being installed, 11 electric furnaces requiring a total of 17,000 h.p. The larger furnaces, when fed from high tension lines and properly controlled, offer no serious disturbances to their circuits, but a plant of less than 5,000 h.p. capacity should not attempt to carry single phase furnaces of 400 k.w. or over. The possibilities as an off-peak load are good as the usual length of heat is only about three hours, which condition would adapt itself excellently to a limited service operation. The furnaces can be operated economically at from le to centres for ordinary service such as house lighting.-L.G.D.

we steps to revive this fishery greater scale. In serving the partian as circumstances permit. The particular interests which it represents the particular interests which it is a particular interests which it is particular interests which it i

Buying and Selling in Groups Not Being Taken Advantage Of

Co-operative selling and buying requires no argument to-day to sustain its advantages. The saving in cost of handling large orders instead of numerous small ones is recognized by every business house. The wholesale houses do business on this basis, and are consequently able to sell their goods at lower prices. The retailer has to break bulk, has many packages to weigh out and parcel up, has many accounts to make out and many orders to record. Over and above these costs is the very large item The use of the electric iron and of delivery. This item is a serious When the demand for steel exceeds whether the dealer delivers them

In a recent rural survey by the Commission of Conservation, lived five miles or more from a shipping point. Of these 63 farmers, not one was either selling his pro-Each farmer was way) to his market place, covering At the beginning of 1916 there largely the same ground as his were 73 electric steel furnaces in neighbours, using his team and

The Split Log Drag

Good Roads conventions are excellent. Much information and many helpful suggestions are to be obtained from attending them. Unfortunately very few country pathmasters attend them. We all hope that, eventually, good roads, with proper surface and under-drainage and foundation will become general. Meanwhile it would be well for us to exercise the proper care that should be given to many existing earth roads.

While travelling through Dundas county the middle of April, it was distinctly noticeable that the road upon which the split log drag had been used were in decidedly better condition than the undragged roads. Do not wait until the road is to be reconstructed. Do something to keep it in good shape. If the split log drag is used in the 1½c per k.w.h. and such rates are spring, or, after rains, earth roads now in force in many Canadian can be very much improved. Instead of having a road full of holes and ruts an earth road can be kept smooth and in much better con-There is no place where the dition than many of the undragged s to the necessity for taking ment of our fisheries on a much spring clean-up is more necessary roads of the present day. The cost