Commission of Conservation CANADA

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SIR CLIFFORD SIFTON, K.C.M.G. Chairman JAMES WHITE Assistant to Chairman and Deputy Head

CONSERVATION is published the first of each month. Its object is the dissemination of information relative to the natural tion of information relative to the natural resources of Canada, their development and proper conservation, and the publica-tion of timely articles on town-planning and public health.

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OTTAWA, NOVEMBER, 1917

AN IMPORTANT CONTRIBUTION

Conservation is indebted this month to Mr. H. L. Baldensperger of the United States National Committee on Prisons and Prison Labour for the valuable article on the utilization of municipal waste, which appears on the first page.

Canadian municipal authorities should investigate more fully the methods by which Chicago has been able to make such great savings from its garbage dumps. Those who wish to do so, can obtain detailed information from the War Bureau, National Committee on Prisons and Prison Labour, Union Trust Building, Washington, D.C. succes

Wealth in City Dumps

(Concluded from page 41.)

is a household waste of \$12.50, not light bulbs are sold by commercial including table waste. Under our present system of handling waste, this material is either carted to the dump by the street-cleaning department or destroyed at the reduction plant. The logical place to retrieve the waste of the community is at the dump.

ceomplis One reason for the failure to L. Uran adopt methods of conservation has been the increasing cost of average industry to buy new material than to resort the old. hands e of the The business methods of the wests at one ern world of cutting labour costs on killing by scrapping waste commodities have been a persistent drain on the resources of the country. The upon th ect man further increase the cost of labour etive is and lead to a greater increase in the a mud a mud amount of material scrapped. Some

Our correctional institutions are VEGETABLES SHOULD the product of a society that maintains city dumps. We dump our waste man into the institution where he lies undeveloped. Most of our municipal and county work-houses are such in name only. Idleness reigns supreme or, if the inmate is employed, he is usually exploited for the benefit of the few.

The Chicago House of Correction is an exception to this rule. This institution has found the value of the waste man and the waste The superintendent Mr. John L. Whitman, by employ ing the outcasts of society on the conservation of the city waste, has revealed new sources of revenue. In one year's operation he made a return equal to 50 per cent of the maintenance cost of the institution. The amount received by the city was 900 per cent more than what it derived from the sale of the city waste under the old system.

The year before the establishment of the salvage work at the House of Correction the city received \$13,000 from the sale of unclassified waste. The following year the amount received amounted to \$136,000, which was utilized as follows: \$86,000 was credited to the city departments, \$10,000 was turned into the city treasury and over \$40,000 was set aside for the relief of the prisoner's families.

Reduction methods employed by commercial dealers destroy many valuable by-products. These materials are conserved at the institution by hand labour. The inmates cut the lead and rubber covering from pieces of conduit wire and, in a year's time, added \$11,000 worth Jewish Charities of New York that of this material to the national

dealers for the brass socket and the flint glass. One inmate of the Chicago House of Correction cut out the platinum used in the lamps, and conserved over \$9,000 worth ation. of this material in one year. Over \$5,000 worth of waste paper was sorted out and sold in one year.

The Canadian campaign for conservation of such wastes has been limited largely to paper-stock. labour. Sorting and preparing of Canada destroys approximately 250

new method of decreasing labour of six must be found in order to utilize the ever-increasing waste of the costs must be found in order to utilize the ever-increasing waste of the graph of the graph pile. It is the incapation of the graph of the graph in the scrap pile. It is the incapation of the graph in the scrap pile. It is the incapation of the graph in the scrap pile. It is the incapation of the graph in the scrap pile. It is the incapation of the graph in the scrap pile. It is the incapation of the graph in the scrap pile. It is the incapation of the graph in the g

BE PROPERLY STORED

This year, in response to appeals Commission of Conservation's Survey for increased food supplies, Canadians have produced a record crop of vegetables.

That the greatest use may be made of these products it is essential that care be exercised in their storage and preservation. A cool, dry cellar is the best place to individually in paper and kept in a dark place to ripen, and, while not taking on altogether the colour of those exposed to the sun, they are otherwise as satisfactory. matoes thus ripened may be used till Christmas.

be secured this autumn. The farmers have grown large quantities, and in many cases losses will be heavy if they find it necessary to store them. In addition, during several of our winter months, it is not safe to market potatoes, which leaves the consumer dependent upon the middleman for supplies, usually at an enhanced price. By early distribution, the storage problem can be largely solved and much of the waste due to freezing avoided.

If the same patriotic effort is given to the preservation of the 1917 crop as was exhibited in its production, very little waste will oceur.

present movement proves that waste conservation must be continued after the war, but its faults ought not to be incorporated in a well-rounded system of conserv-

It is unwise to permit the women of a country to take work which, thereby, diverts skilled workers to a line of work that is purely mechanical and requires little skill. It is unwise to use the trucks of commercial houses when material are practically all done tons of paper weekly. In order to re-by hand. It is cheaper for the place this paper, at least 2,000 trees ments can be used more effectively must be cut. Every ton of paper and economically. A logical syswasted means that eight trees of tem which will prove successful mature growth must be cut. By both in times of peace as well as inaugurating a system similar to war would avoid these weaknesses the Chicago salvage system, the Canadian municipalities should integral part of government. This conserve sufficient paper to offset would solve the problem of storage demand for men in the army will this drain on the national resources. and collection. By employing the Canada has dabbled in waste mentally and physically unfit in conservation. The waste came the public institutions, this here-paign which has been carried on tofore unemployable element of new method of decreasing labour during the last year has rendered a society can be afforded an oppor-

British Columbia Fire Losses Heavy

Shows Need for Looking After Burnt-Over Areas

Few people realize the enormous damage which has been caused by forest fires in years past. This damage has taken place in every province of the Dominion. An store vegetables. Carrots, pars-illuminating example is afforded by nips, beets, etc., if covered with sand, will not dry and shrivel up. of British Columbia, upon which Cabbage are best taken up and the Commission of Conservation hung by the roots individually. has been engaged during the past Green tomatoes, when too late to four years. This investigation ripen outside, should be wrapped shows that on 95,000 square miles the timber has been useless ly destroyed by fire, mostly many years ago. The amount of timber so destroyed is estimated to be not less than 650,000 million feet, or about twenty-two times as much as Potato supplies, for those who have not grown their own, should Putting the loss in another way, the total that has ever been cut by this timber is equivalent to almost twice the amount of saw timber now standing in the province, and to nearly as much saw timber as is now standing in the forests of all

Much of the area burned over contains young forest growth which, if protected from further destruction, will, in time, furnish the basis for enormous industrial development on our Pacific coast. If we assume that the 97,000 square miles of cut-over and burned-over lands should be made to produce an average of only 100 board feet per acre per annum, the total increment would amount to 6,200 million feet per year, or about 5 times the present annual cut. That this estimate is by no means beyond the bounds of reason is shown by measurements of growth which have actually been

HOME FROM OVERSEAS

made.—C.L.

Bombardier Allan Donnell, of the staff of the Commission of Conservation, who has been invalided home, was given a welcome back in the form of a reception on October 17 by his fellow employees. Bombardier Donnell was wounded in the foot by a gas shell last

FIGHTING FORESTERS

Sixty-five men from the Faculty of Forestry of the University of Toronto are fighting overseas. Every graduate of the past three years who is physically fit is serving the Empire in some capacity.

100,000 tons is expected this year.