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The Canadian Peat Society

**A FEW FACTS ABOUT
PEAT FUEL**



Issued by
THE CANADIAN PEAT SOCIETY

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—About 10,000,000 tons of peat fuel are yearly produced in Europe.

—Russia is the largest producer of peat fuel, her output in 1902 being 4,000,000 tons, which has increased 200,000 tons a year since then.

—1,300 plants making machine peat are now in operation in Russia.

—The United States exclusive of Alaska, is estimated to have 11,200 square miles of peat bogs, averaging 9 feet in depth, and containing nearly 13,000,000,000 tons of fuel worth at \$3.00 a ton—\$39,000,000,000.

—Canada has 37,000 square miles (23,680,000 acres) of known peat bogs, but these form probably but a small fraction of the total, constituting a potential national asset of enormous value.

—Some idea of the possibilities may be gained from the estimate that 28 acres of peat 9 feet deep should yield 50,000 tons; enough to supply 100 families for 25 years allowing 20 tons per annum to each family, or enough to furnish a power plant of 100 H.P., using steam engines, with fuel for more than 25 years of 300 ten-hour days, allowing 12 lbs. of fuel per H.P. hour developed. The fuel, if used in a suitable gas producer would last the same plant about 100 years.

—Four bogs within a few miles of Ottawa, examined by Government experts, are estimated to contain over 25,000,000 tons of fuel.

—The provinces of Ontario and Quebec send \$20,000,000 a year to the United States for coal.

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In 1909, we imported coal to the amount of nearly 10,000,000 tons, valued at \$26,831,859. The development of some of our extensive peat bogs will help to keep some of this money at home and to furnish additional employment to Canadians in Canada.

—In Northern Europe peat is being successfully converted into fuel and gas and used for generation of electricity at the bog by means of gas producers and producer-gas engines, which are displacing the steam-boiler and engine in many lines of industry owing to their lower cost of fuel.

GOVERNMENT PEAT PLANT

—To re-establish confidence in the value of peat as a domestic and industrial fuel, and to stimulate development of our peat resources, the Government has acquired 300 acres of peat bog at Alfred for the purpose of manufacturing peat fuel on a commercial scale by a method which has proved successful in Europe.

—The capacity of the plant is 30 tons per day, and during part of the past summer 1,600 tons of machine peat were produced.

—Allowing 140 days for a season's operations, the cost of the fuel on the field is \$1.40 per ton, under conditions existing at the government plant. By the use of larger plant and using mechanical excavators to replace hand labor this cost of production can be greatly reduced.

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—3,600 lbs. of the machine peat is equal in cal-
orific value to a ton of anthracite coal.

THE CANADIAN PEAT SOCIETY

Has been formed to disseminate among its members and the public reliable information as to the status of the peat industry in Canada and elsewhere, and generally to promote in every possible way the utilization of Canadian peat deposits and the development along safe lines of a Canadian peat industry. Every power user and every fuel user is directly interested in this matter, as well as the owners of peat lands and operators of machinery or processes for making peat fuel.

The fact that we are largely dependent on American sources of fuel supply makes the development of this industry a matter of national importance, and the present movement should personally interest every Canadian.

You are invited, therefore, to sign and return the attached application for membership in the Society. The membership fee of \$1.00 should be enclosed with application and same addressed to

SECRETARY-TREASURER,
CANADIAN PEAT SOCIETY,
Castle Bldg., Ottawa, Ont.

If remittance made by cheque,
please add exchange.

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Canadian Peat Society

I wish to become a member of the Canadian Peat Society. Enclosed find \$1.00 for one year's dues, which includes all publications of the Society.

Name

Address

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