

saurs," "The Occurrence of Glacial Drift on the Magdalen Islands."

Treated Wood Block Paving. By W. G. Mitchell, M.Sc. Issued by Forestry Branch, Department of the Interior as Bulletin No. 49. It is a compilation of the information that is at present available from researches made in different countries in regard to the use of wood for paving. 40 pp.; 6 x 9 ins. Sent free on request, by the Director of Forestry, Ottawa.

Petroleum and Natural Gas Resources of Canada. (In two volumes.) Vol. 1, by F. G. Clapp and others, Mines Branch, Department of Mines, Ottawa. This voluminous report deals with the history, geographical occurrence and production of natural gas, the properties of both, the preparations for their development, methods of obtaining, pumping, storage, transportation, utilization and conservation of resources. 378 pp.; illustrated.

CATALOGUES RECEIVED.

Steel Tanks. A booklet descriptive of the exhibit at San Francisco of the Pittsburgh-Des Moines Steel Co.

Pelton Water Wheels. An illustrated leaflet describing the exhibit of the Pelton Water Wheel Co., San Francisco and New York, at the Panama-Pacific International Exposition.

The Knox Tractor. A 16-page illustrated catalogue of the Knox Motors Co., Springfield, Mass., describing the tractor from an engineering viewpoint, and illustrating its characteristic features.

Automatic Starters for Alternating Current Motor. A 20-page illustrated leaflet issued by the Canadian General Electric Co., Toronto, describing automatic control devices, compensators, governors, float-switches, self-starters, etc.

The Cement-Gun Process. Bulletin No. 101 of the Cement-Gun Co., New York, describing the use of the apparatus in repairing coke ovens. Also Bulletin No. 91, a reprint from "The Engineering News," concerning tunnel waterproofing with cement and clay mortar.

Montezuma Asphalt. A handsomely illustrated booklet of 56 pages, prepared by Warner-Quinlan Asphalt Co., New York, giving views of streets paved with this material and letters from prominent engineers regarding it. Some useful tables and specifications are included.

Surveying Instruments. The 1916 catalogue of Buff and Buff Manufacturing Co., Boston. It is a 124-page, 6 x 9, illustrated book, fully descriptive of this make of engineering and astronomical instruments and parts. The material is concisely arranged, the illustrations are from actual photographs and the information is useful.

Concrete Reinforcement. A very useful 24-page illustrated booklet issued by Canada Wire and Iron Goods Co., Hamilton, relating to their cold-drawn crimped-steel wire reinforcement for concrete. The Brochure contains much useful data concerning bending moments, slab design, weights and quantities of materials, ground-bearing power, wind pressures, wire gauges, etc.

Gas Producer Plant. Twenty-six-page illustrated catalogue issued by the Dowson and Mason Gas Plant Co., Limited, Manchester, describing gas producers and gas-fired furnaces. Another 22-page illustrated, describing pressure and suction plants for gas engines and heating, and a 7-page leaflet reprinting from "Engineering" the results of tests at Chingford of Dowson gas plant.

COAST TO COAST

London, Ont.—A quantity of the rolling stock for the London and Port Stanley Railway has been delivered.

Vancouver, B.C.—The Georgia-Harris Viaduct, the cost of which approximates \$500,000, was completed last week. It has been under construction for two years.

Glacier, B.C.—Over a thousand men are at present engaged in tunneling operations in the C.P.R. tunnel under Roger's Pass. It will be finished in the fall of 1916.

Edmonton, Alta.—It is expected that grading on the Edmonton, Dunvegan and British Columbia Railway will be completed to Spirit River and Peace River crossing by October.

Sarnia, Ont.—The county judge commenced an investigation on June 14th into the construction of the \$250,000 waterworks plant, which has fallen short of expectation.

Toronto, Ont.—The Godson Contracting Co. is suing the city for extras in connection with the construction of the high level interceptor. Action has been entered to recover \$64,540. The Commissioner of Works and the city solicitor refute the claim.

New Toronto, Ont.—The New waterworks plant will be in operation in a few days. All the street mains have been laid, machinery installed, and forces of men are at present engaged in completing the intake, which is about $\frac{3}{4}$ of a mile out in the lake.

Montreal, Que.—The Angus shops of the C.P.R. are being almost entirely transformed as regards equipment for the manufacture of war munitions. It is stated that about 12,000 men will shortly be employed, and that the plant will work 24 hours a day.

Welland, Ont.—The Canadian Billings-Spencer Co. commenced last week on a \$30,000 addition to their plant. It will house six new drop hammers and increase the output of the plant by 50%. The new building is 80 ft. x 70 ft., and will be completed in about three weeks.

Edmonton, Alta.—On Sunday, June 20th, the Canadian Northern Railway took over from the contractors four new pieces of line, part of the main line from Edmonton west to Peace River Junction, 35.6 miles; from Edmonton to Camrose, 48 miles; from Melfort to Ste. Brieux, 21.5 miles, and from Wakopa to Deloraine, 32.6 miles.

Toronto, Ont.—The Don destructor, which is being built by the Department of Street Cleaning, will have a capacity of 150 tons of refuse a day. Construction has commenced, the contractors for the foundations, John E. Russell & Co., having started the driving of 45-ft. piles this week. The Canadian Griscom-Russell Co. will install the furnaces.

Ottawa, Ont.—According to a report from the contractor, J. D. McArthur, grading gangs are now within fifty miles of Port Nelson, on the Hudson Bay Railway line. The first bridge over the Nelson River, which has been delayed owing to the sinking of some trestle work, is now under construction, the approaches having been practically completed.

Montreal, Que.—At a meeting of the Board of Control last week Mr. Fuller, of Hering and Fuller, New York, suggested that an addition be made to the 50,000,000-gallon-per-day filtration plant now under construction, in view of the fact that the city sometimes uses 60,000,000 in a day. He recommended a mechanical filter system, and it is stated that the board adopted his recom-