

and chemistry of the Wabana iron ore, prepared by Mr. A. O. Hayes.

**Yukon-Alaska International Boundary.**—Memoir 67, Geological Survey, U.S. Bureau of Mines. Prepared by D. D. Cairns. Special reference given to boundary between Porcupine and Yukon Rivers. 161 pp.; illustrated by maps and diagrams.

**Cost of Pumping Water.**—A collection of graphical charts with accompanying explanatory text to facilitate computation of the over-all economy of different types of steam pumping units. Issued by the DeLaval Steam Turbine Co., Trenton, N.J.

**U.S. Mining Statutes Annotated.**—A U.S. Bureau of Mines publication of 1,772 pages, devoted to sections and statutes relating to metalliferous and coal mining and to miscellaneous mining subjects. Issued as Bulletin 94 and prepared by J. W. Thompson.

**Geology, Central British Columbia.**—A geological reconnaissance between Golden and Kamloops, B.C., along the Canadian Pacific Railway. Prepared by R. A. Daly and issued as memoir 68, Geological Survey, Department of Mines. 260 pp.; numerous maps and diagrams.

**Highway Improvement in Ontario, 1914.**—Report by W. A. McLean, Commissioner of Highways. The publication also contains a number of complete papers prepared by the assistant engineers of the Ontario Office of Public Roads, which appeared in abstract form in *The Canadian Engineer* issues of March 4th, 11th, 18th, 25th, and April 1st, 1915.

**American Society for Testing Materials.**—Year book for 1915, containing the standards and tentative standards adopted at the recent meeting. These standards relate to ferrous and non-ferrous metals, lime and clay products, miscellaneous materials, etc. The book also contains technical information applicable to certain standards, standards applicable to locomotives and data relative to committees and publications.

### CATALOGUES RECEIVED.

**Distant Train Control.**—A 28-page illustrated bulletin (No. 131) of the General Railway Signal Co., Rochester, N.Y., describing the G.R.S. low-voltage or "distant control" switch machine.

**Drawing and Blue Print Files.**—A 16-page illustrated catalogue of the Yawman and Erbe Manufacturing Co., Rochester, N.Y., describing their mammoth vertical drawing file built of wood and steel.

**Coal Gas Plant.**—A handsomely compiled booklet issued by the Stone and Webster Engineering Corporation, illustrating the coal gas plant constructed by them for the Falls River Gas Works Company.

**The Riensch-Wurl Screen.**—A 24-page bulletin illustrating and describing this type of apparatus and its method of clarifying sewage and trade wastes. Issued by the Sanitation Corporation, New York City.

**Sewage Spraying Nozzle.**—A 4-page leaflet issued by the Snow and Petrelli Manufacturing Co., New Haven, Conn., describing a new nozzle of the circular orifice type with an absence of all internal clogging features.

**Water Turbines and Pelton Wheels.**—A 16-page illustrated catalogue issued by Pitman, César and Company, London, Eng., descriptive of the types of water wheels, turbines, oil-pressure governors, pumps and hydraulic accessories which they manufacture.

## COAST TO COAST

**Hope, B.C.**—The Hope Mountain section of the Kettle Valley Railway will be completed next month.

**Quebec, Que.**—It is understood that the Quebec and Saguenay Railway may shortly be taken over by the Federal Government.

**Levis, Que.**—A new coal discharging apparatus, costing about \$9,000, has been installed on the Carrier Laine wharves, and is now in operation.

**Halifax, N.S.**—The corner-stone for the new terminals was laid last week by Hon. Frank Cochrane, Minister of Railways and Canals.

**New Westminster, B.C.**—The second unit of the north arm jetty, which is being constructed by the Marsh-Hutton-Powers Company, is about half completed, and the contractors expect to finish it about February.

**Owen Sound, Ont.**—The Hydro-Electric Power Commission is installing the equipment for the new transformer station, and it is expected that power from the Eugenia Falls development will be turned on early in December.

**Vancouver, B.C.**—Mr. F. W. Peters, general superintendent of the British Columbia division of the C.P.R., has announced that the Kettle Valley Railway has leased from the former line its Nicola Valley branch, in order to facilitate the operation of the completed portions of the Kettle Valley line.

**Quebec, Que.**—The new road between Quebec and Montreal, the construction of which began in June, 1914, will be completed next month. It is a macadam roadway 16 ft. wide with 4-ft. shoulders on either side. It involves the construction of a bridge across the Jacques Cartier River at Donnacona. Mr. J. Dumont is engineer in charge of the work for the government, and Mr. E. Massicotte is the general contractor.

**Hamilton, Ont.**—Mr. A. F. Macallum, city engineer, has been requested to prepare plans of all sewers emptying into the bay in the vicinity of Catherine and Wentworth Streets, with suggestions as to how they may be diverted to prevent any further untreated sewage from reaching this section of the bay. When this has been done, the Hamilton Harbor Commission will commence the work of improving the bay shore.

**Calgary, Alta.**—The Milk River irrigation project, which is being developed by the Dominion Government with Mr. F. H. Peters, Commissioner of Irrigation, in charge, will embrace nearly 2½ million acres. It will be a canal proposition throughout, involving several large dams and other structures. The sources of water will be the Milk, St. Mary's and Belly Rivers. The engineers of the Irrigation Department are at present working on the scheme.

**Edmonton, Alta.**—The city council has retained Mr. W. E. Skinner, consulting engineer, 204 Sterling Bank Building, Winnipeg, to advise them regarding the terms of the proposed agreement between the council and the Edmonton Hydro-Electric Power Company for the supply by the latter of electric power within the city. This agreement will be submitted subsequently to a vote of the burgesses. Mr. Skinner will also be requested to make a valuation of the existing municipal power plant, and to report on the actual cost to the city of the current generated there.