

three years. The intake pipe at the present time extends beyond the island a quarter of a mile out into the lake, and it cannot extend farther, owing to the depth of water at that point—150 feet. But it is beyond question, for I have verified it, that bacteria can enter, and have entered, this intake pipe."

#### Quebec.

MONTREAL.—The question of placing all wires underground will be taken up shortly by the City Council. The Board of Trade are submitting a draft letter to the Council with regard to this question. It is understood that the Montreal Light, Heat & Power Company is agreeable to making the connection up to the line of private property.

#### British Columbia.

NEW WESTMINSTER.—A new steel bridge is proposed across the north arm of the Fraser River, connecting New Westminster with Lulu Island. The municipality desires to build a modern steel structure, suitable for vehicular and street car traffic.

VANCOUVER.—The Bridge Committee will soon submit a by-law appropriating \$1,000,000 for bridge purposes, to be distributed as follows: Granville Street, \$500,000; Westminster Avenue, \$150,000; Cambie Street, \$235,000; Coal Harbour, \$55,000; and \$60,000 for contingencies.

#### Saskatchewan.

HUMBOLDT.—This town will spend \$7,000 in providing adequate fire protection.

#### British Columbia.

FERNIE.—Tenders for the construction of the septic tank for this city were opened on September 27th, and were as follows: H. Oldlord, Fernie, \$5,510; Campbell & Gray, Fernie, \$6,375; M. Kerr & Co., Fernie, \$6,960; Hugh MacDonald, Victoria, \$8,950; Wigglesworth & Todd, Fernie, \$9,000. The contract was awarded to Mr. Oldlord, the lowest bidder. There will be 460 cubic yards of cement used in the work. R. Potter is city engineer.

VERNON.—The city council has installed, under Water Commissioner J. E. Ross, an additional pumping plant. The machinery was furnished and erected by the Vancouver branch of the Canadian Fairbanks Company.

## INDUSTRIAL.

#### Ontario.

TORONTO.—A building permit has been granted for the erection of a brick boiler house, condenser house and smoke stack to the Consumers' Gas Company; cost of work, \$60,000. Mr. W. H. Pearson is general manager.

TORONTO.—It is reported that a company is being formed here for the manufacture of railway cars. The plant will probably be located in Winnipeg.

#### Nova Scotia.

HALIFAX.—The Londonderry Iron Mining Company, who recently acquired the iron deposits at Torbrook are preparing to install an electric system for operating their mines. The power will be drawn from the Nictaux Falls, about a mile from their property. The mills which were formerly operated at the Falls, have been abandoned, to make way for the utilization of the water power for electrical purposes. The estimated cost of this plant is between \$40,000 and \$50,000.

#### Alberta.

EDMONTON.—Five hundred miles of Alberta's Government-owned telephone system will be in operation this year.

EDMONTON.—The Provincial Government telephone line has been completed in several parts of the Province, and work is proceeding briskly on the unfinished sections. The Calgary Hudson Bay Line is now completed, and instruments will be installed very shortly. The Macleod and Blairmore and Frank lines are almost finished and will be operated very shortly. The line from Wetaskiwin east to Hardisty will be completed this week, and the line from Lacombe to Stettler is complete.

#### British Columbia.

GRAND FORKS.—The full capacity of eight furnaces are in commission at the Grandby smelter, and are now all operating and treating a total of 3,200 tons of ore daily.

PHOENIX.—It has definitely been decided that the Dominion Copper Company will commence the work of enlarging its smelting plant located at Boundary Falls.

VICTORIA.—A brick manufacturing plant is one of the new industries of Vancouver Island. The plant has at present a capacity of about eighteen thousand per day.

## RAILWAYS—STEAM AND ELECTRIC.

#### Ontario.

DEANS.—As soon as right-of-way can be obtained the Crown Plaster Company intend to build a spur from their gypsum property to the M.C.R. siding at Dean's Station. The track will be about four miles, and cost \$15,000.

KENORA.—A company has been formed for the promotion of an electric railway to run from Kenora to Keewatin, and thence along the Winnipeg River, where it will connect with the railway. The Government has been applied to for the land necessary for the purpose, and the town's power will be utilized for that object.

SMITH'S FALLS.—The Grand Trunk survey party have completed work in the Smith's Falls section.

#### Quebec.

MONTREAL.—The Abitibi section of the National Transcontinental Railway will be built by the J. H. Reynolds Construction Co., the contract having been recently sublet to them by the Grand Trunk Pacific Company, which latter company obtained the contract some seven or eight months ago from the Government. The section is 150 miles in length, and starts at a point eight miles west of Abitibi River, and is consequently remote and difficult of access. The contractors will immediately locate their camps and lay down supplies. Rock-cutting will probably be carried on during the winter, and construction work will begin in the spring.

#### Manitoba.

PORTAGE LA PRAIRIE.—It is reported that the section of the G.T.P. between Portage la Prairie and Miniota is in operation this week. This section is 130 miles long, and is said to be one of the best pieces of road on the continent. The necessary rolling stock is already on the spot.

#### British Columbia.

NANAIMO.—Robert Kerr, passenger traffic manager of C.P.R., states officially that the line from Nanaimo to Alberni, on Barclay Sound, will be commenced immediately. The company will then have direct communication with the Oriental steamers without coming south to the Straits of San Juan, via Victoria.

#### Alberta.

EDMONTON.—There is a probability that the street railway here will be sold to capitalists, as the municipal ownership idea is losing favour.

#### British Columbia.

VERNON.—Messrs. Bainbridge, Morris & Rice, engineers, have just completed their tour of inspection of the proposed route of the Midway and Vernon railway between Midway and Vernon. It is reported that they are highly pleased with the line as already surveyed. It is expected that active construction work will be ordered in the near future.

The 1907-8 prospectus of the engineering department of the University of Manitoba containing the names of the University staff and officers, and a syllabus of the Course in Civil Engineering, has reached our office. The first two years of the electrical engineering course will be the same as that given for the civil engineering course. The syllabus of the work for the last two years will be prepared immediately upon the appointment of the Professor of Electrical Engineering.