

Coast to Coast

Dauphin, Man.—A good roads convention opened here on April 21st.

Vancouver, B.C.—Members of the Dominion Shell Committee were in the city last week arranging for the letting of local contracts for the manufacture of shrapnel shells.

Newmarket, Ont.—The site of the 100,000-gallon reservoir under construction in connection with the water supply extensions has been completely excavated and concrete work is about to start.

West St. John, N.B.—The military camp of the Canadian Pacific Railway overseas construction corps is being established here, Col. C. W. P. Ramsey, formerly engineer of construction for the C.P.R., commanding.

Lillooet, B.C.—The Pacific Great Eastern Railway bridge across the Fraser River here has been practically completed. The steel rails have been laid upon it and track-laying is being advanced toward Prince George.

Winnipeg, Man.—The city has 28,653 water meters in use, 93 new meters being added since the beginning of the year. Operation of the waterworks system since January 1st has cost \$35,081.10, of which \$1,397.17 was the cost of repairs to meters.

Hull, Que.—A substitute for gasoline is claimed to have been found by Mr. Gideon Charbonneau, a local chemist. At a test before officials of the Department of Public Works, Ottawa, last week, it is unofficially reported that two tablespoonfuls of the fluid, which he calls Charboil, ran a 2¾ h.p. engine for 1½ hours continuously. The discoverer claims that the liquid can be manufactured at 4 cents per gallon. It does not emit smoke or odor.

Ottawa, Ont.—A good example of water waste has been revealed by the city engineering staff. The city supplies the village of Rockliffe on the same basis (flat rate) as its own residents. A test made by the city waterworks department between March 2 and 10 disclosed the alarming fact that the 58 householders in the village are using 1,725 gallons of water daily each, which means that over 100,000 gallons of water is being supplied every 24 hours to the 58 Rockliffe families who take water from the city.

Victoria, B.C.—On the Victoria breakwater at Ogden Point, about 7,000 cubic yards of concrete have been laid to date. Of this amount 2,361 cubic yards were laid in March. Some 844,911 tons of rubble and core filling (which is composed of fine rock) have been dumped on the site of the breakwater, and about 29,040 tons of the granite block have been used in facing the sides of the breakwater below water level. A considerable section of the breakwater is now visible above the water line. Sir John Jackson, of Canada, Limited, are the contractors.

Victoria, B.C.—The establishment of a copper refinery on the coast, to reduce copper matte and blister copper from the smelters in the province is under consideration. A conference was held last week, attended by Dr. A. W. G. Wilson, chief of the metal division of the Department of Mines, Ottawa, and Dr. A. Stansfield, Birks professor of metallurgy, McGill University, the mining committee of the Vancouver Board of Trade, and representatives of the Granby Consolidated Mining and Smelting Co., the Britannia Mining Co., and other copper-producing concerns.

Ottawa, Ont.—Construction work is progressing rapidly on the new customs warehouse on Sussèx Street. The contractors commenced operations in July, 1913, and the specifications call for its completion within thirty months. About \$600,000 has already been spent on the structure. Serious difficulties were encountered in the work of excavation. The west side of the building rests on a ledge of solid rock, but the east wall descends some 140 feet through an old river bed, and rests on solid rock supposed to have been the river bottom. The Foundation Company of Montreal placed the foundations, and Peter Lyall & Company of Montreal are erecting the building.

Britannia, B.C.—The 4,000-ft. tunnel at present under construction at the Britannia mines, is again re-suming signs of activity, following the serious destruction of the camp by an avalanche some months ago. It is unlikely, however, that actual mining will be proceeded with for several months at least. The present work is of an interesting nature. The mining camp was at an elevation of 3,250 feet, while the tunnel is at an elevation of 2,250 feet. The tunnel mouth is just to the side of the course followed by the slide, and remained undamaged. The tunnel runs in, as stated, 4,000 feet, and the upraise will, it is estimated, be about 1,000 feet and will strike just behind the location of the old camp. Two shafts will be put in and the ore will be dropped down to the main tunnel, through which it will be removed in future. An aerial tramway was previously used.

PERSONAL.

WILLIAM MURDOCK, city engineer of St. John, N.B., addressed the Calgary Branch of the Canadian Society of Civil Engineers last week, his subject being engineering problems in the city of St. John.

G. W. BRITNELL has been appointed sales manager at Toronto of the Sarnia Metal Products Company.

S. A. LANG, B.A.Sc., who went to Chile a year ago to engage in metallurgical work for the Beaden, Copper Company, has been promoted at Rancagua to head of the sampling department.

J. G. G. SULLIVAN, chief engineer of western lines of the C.P.R., read a paper at the last meeting for the season of the Western Canada Railway Club, Winnipeg, on the construction of the Roger's Pass Tunnel.

H. S. JACOBY, who was for some time chief engineer of the Standard Steel Construction Co., Limited, at Welland, Ont., has accepted a position on the staff of the faculty of civil engineering at Pennsylvania State College.

E. R. GRAY, B.A.Sc., has been recommended by the board of control and city engineer of Hamilton, as assistant city engineer for that city. For a number of years Mr. Gray has been assistant engineer in the sewer department, city of Toronto.

R. D. BROWN, A.M.Inst.C.E., who returned to Scotland in February last, resigning his position as an assistant engineer on the shaft of the New Welland Ship Canal, has been appointed assistant borough surveyor of Helensburgh, Scotland. Mr. Brown was formerly city engineer of St. Catharines, Ont.

J. A. TILSTON, of the staff of the Toronto Hydro-Electric System; R. E. HEWSON, of the staff of the Toronto Harbor Commission; W. G. FRENCH and W. D. POWELL, fourth year students in engineering, University of Toronto, have been enlisted in the C.P.R. Overseas Construction Corps, and left for the camp at West Vancouver on April 17th.