

Copper River country has at last hit upon a suitable grade for the Grand Trunk Pacific line direct from Fort George to Prince Rupert, and if this grade is approved the Grand Trunk Pacific Railway Company will abandon its proposed circuitous route between those two points, thus leaving Hazelton untouched. The new grade will save a detour of many miles, striking direct from Fort George to Prince Rupert.

CALGARY.—The city council have received another offer to install a street railway plant. The offer comes from Alexander and Budd, acting for J. Balfour, London, Eng., and includes among other things, a fifteen year franchise.

SEWAGE AND WATERWORKS.

Ontario.

GUELPH.—The Guelph Waterworks are installing a Duplex Boiler Feed Pump, being supplied by the Smart-Turner Machine Company, Limited, Hamilton.

TORONTO.—The high pressure system will be ready for operation in the early part of February, such was the statement made by Waterworks Engineer Fellows.

Saskatchewan.

SASKATOON.—Plans are being prepared for an extension of the sewerage and waterworks system next year.

NEW BUILDINGS.

British Columbia.

VICTORIA.—In view of the congestion which is now being felt in the postal and customs department, coincident with the increase in the city's population and business, the Ottawa authorities of the Public Works Department will shortly be asked to consider a request for additional accommodation. Plans of the projected changes have been prepared, and it is expected they will be carried out at an early date.

VICTORIA.—It is expected that \$50,000 will be spent on new buildings by the British Columbia Agricultural Association.

Ontario.

NORTH BAY.—The Smart-Turner Machine Company, Limited, Hamilton, are installing one of their Automatic Feed Pumps and Receivers, in the new Normal School.

Saskatchewan.

SASKATOON.—The Dominion Government will spend about \$100,000 on a new post office and custom house here during 1908. Excavation has been commenced.

MISCELLANEOUS.

Ontario.

BRANTFORD.—The Waterous Company, of Brantford, Ont., are negotiating with the Harmsworth Company for the erection of machinery for the manufacturing of wood pulp at Newfoundland.

TORONTO.—It is reported that negotiations are in progress between the Turbine Steamship Company, Toronto, and the Michigan Central Railway, whereby the former company may gain control of the Michigan Central's Niagara River line, and thus secure quick connections for their passengers to Buffalo.

PERSONAL.

MR. R. A. BROWN, late of Calgary, Alta., has secured the position of city electrician at Nelson, B.C.

MR. J. E. J. PATTERSON, formerly of Salisbury, has moved to Port Arthur, Ont., where he will be engaged in his profession as civil engineer.

MR. W. D. BARCLAY has been appointed general manager of the Halifax and Southwestern. Mr. Barclay is a civil engineer of wide experience, and for a number of years was a member of the firm of Foley Bros., contractors.

MESSRS. MATHEWS, MOORE AND HILL have been re-elected Water Commissioners for Peterboro, Ont.

WEBER STEEL CONCRETE CHIMNEY COMPANY, of Chicago, have opened an office at Room 36 Guardian Bldg., Montreal.

BAULNE, BERTRAND, GAGNON, Civil Engineers, Montreal, are preparing detail drawings for the bins of the cement works here.

MR. H. T. BALLANTYNE, B.A. Sc., architect, of 244 Fifth Avenue, New York, has opened an office in the Trafalgar Building, Ottawa, Can., where commissions will be executed.

MR. GEORGE W. STEPHENS, chairman of the Montreal Board of Harbor Commissioners, accompanied by F. W. Cowie, Harbor Engineer, has left for Europe on a trip which will extend until May, during which time it is expected they will have visited practically every European port of importance, for the purpose of inspecting their facilities with a view to introducing the best of them in the equipment of the port of Montreal.

SOCIETY NOTES.

On the 9th inst., the Engineers' Club of Toronto held their ninth annual meeting. The reports of the various officers were received. The secretary's report showed an increase in membership. The membership now numbers over two hundred and fifty. The treasurer's report showed a larger cash balance than last year, even with a much larger disbursement.

The officers elected for 1908-09 were:—President, J. G. Sing; first vice-president, A. B. Barry; second vice-president, C. M. Caniff; secretary, R. B. Wolsey; treasurer, L. B. Street; chairman of committees' rooms, W. Fuller; papers, R. Black; library, Mr. Reynolds; auditors, A. M. Wickers and R. Cummings.

During the evening many very complimentary references were made to Mr. Willis Chipman, C.E., and to his years of unselfish work in the interest of the Engineers' Club.

Refreshments were served and music, both instrumental and vocal, was provided. This innovation on the part of the executive was much appreciated.

Mr. Harry A. Moore will present a paper on "Induction Motors" at a meeting of the Toronto Section of the American Institute of Electrical Engineers. The meeting will be held at the Engineers' Club, 96 King Street West, this evening.

Vancouver ratepayers voted on Thursday on money-by-laws aggregating \$1,068,800. Over a million dollars was asked with which to build permanent bridges in the city. Although the by-law is approved it is not probable that all the money will be spent next year, with the rate so high as at present. For new schools, \$130,000 is required; \$28,800 for school offices and storerooms; addition to general hospital, \$130,000, and to assist a permanent annual exhibition, \$50,000. In addition to these, the city has still on its hands \$445,000 of unsold debentures based on the three by-laws that received the assent of the ratepayers last summer, namely, sewer by-law, \$300,000; macadam roads, \$100,000; additions to schools, \$45,000. The by-laws approved by the ratepayers totalled \$1,500,000. Two were rejected, \$28,000 for school offices and storerooms, and \$50,000 for exhibition. Those carried are for three steel bridges, \$1,120,000; new schools, \$130,000; opening, grading, and macadamizing streets, \$50,000; addition to general hospital, \$130,000.

EXPANSION, A HALT, AND NOW?

1906	!
1907	!!
1908	???