

Street has been awarded to Thomas Kelly & Sons at a price in the neighborhood of \$50,000.

Medicine Hat, Alta.—Clay Products Plant. Following contracts have been awarded by Warren Overpack, 404 N. Des Moines St., Webster City, Ia.; E. Leonard & Son, London, Ont., for furnishing three high-pressure boilers; Murray Iron Works, Burlington, Ia., for furnishing a 120-horsepower Corliss engine; National Pump Co., Upper Sandusky, O., for furnishing pumps; Brownell Co., Dayton, O., for furnishing a 500-horsepower heater; Stewart Machine Co., Winnipeg, Canada, for furnishing the following: One 42-in. gap lathe, one iron planer, one 30-in. drill press, force draft blower, Minneapolis Steel Machinery Co., Minneapolis, Minn., post cap, base plates, I-beam lintels, line shafting boxes, and part of pulleys.

RAILWAYS—STEAM AND ELECTRIC.

Fort William, Ont.—Double-tracking and extensions to the street railway, including the purchase of four new cars, which will cost \$137,000, will be made here shortly. A. McNaughton, Clerk.

Hamilton, Ont.—The chief particulars of the nine double track cars which the Ottawa Car Company are building for The Hamilton Street Railway, are as follows:—

Length over end sills	30 ft.
“ of rear vestibule	6 ft.
“ “ front “	6 ft.
“ over all	43 ft.
Width over side sills	7 ft. 8 in.
“ at belt rail	8 ft. 2 in.

Seats—Longitudinal.

Upholstering—Rattan.

Inside finish—Cherry.

Seating capacity
 40 |

Trucks mounted on Brill 27-G-1.

St. Thomas, Ont.—The Michigan Central Railway contemplate the erection of new shops and roundhouse here.

Winnipeg, Man.—The Canadian Northern Railway has awarded to Thomas Kelly & Sons a contract for the construction of a subway at Pembina Street, at an estimated cost of \$50,000.

Prince Rupert, B.C.—Tracklaying on the first hundred-mile section of the Grand Trunk Pacific Railway will be begun here before the end of the month. Additional rolling stock supplementing the shipment forwarded in December is now en route from the East. The next few weeks will also witness the arrival of steel material for the bridges on the sections 50 miles out from the northern terminal city.

Vancouver, B.C.—A traverse survey for the proposed line of the Canadian Northern railway through the Fraser river valley between Hope, at the west slope of the Hope Mountains, and New Westminster bridge, a trifle under 70 miles, has been completed. The engineering party in charge of W. K. Gwyer, reached the last mentioned point Monday afternoon. Its members will begin next Monday the work of making the first location. They will start at Hope and work down the valley. The results already accomplished are regarded as very satisfactory by Thomas H. White, chief engineer, whose headquarters are in this city. Further reductions in the grades are expected after the completion of the location work. The maximum grade amounts to four-tenths of one per cent. between Hope and a point farther down the valley a distance of 14 miles, and even this grade occurs at only two or three places in two miles of that distance. The grade for the remainder of the route is virtually a river grade, equivalent to one-tenth of one per cent. Two small tunnels may have to be driven, one 15 miles below Hope, and the other at Sumas mountain. The river bank is followed nearly all the way down, the only exception being between Rosedale and Chilliwack, where the route has been located at a distance of about two miles from the Fraser. The entire line between Hope and the Yellowhead pass via Kamloops has been located with the exception of a stretch of fifty miles between Tete Jaune Cache and Yellowhead pass. This work is now being done by C. F. Hanington and a large survey party which is now working east from Tete Jaune Cache at the base of the western slope of the Rockies.

Seattle, Wash.—Plans and specifications for the new Grand Trunk Pacific pier to be erected at a cost of \$300,000 on the site of the present Flyer dock, according to the state-

ment at the local headquarters on Monday, will be ready within six weeks, and contracts will then be awarded for immediate construction.

SEWERAGE AND WATERWORKS.

Hamilton, Ont.—City Engineer A. F. Macallum has prepared plans for sewerage for the east end annex.

Albany, N.Y.—Steps are to be taken by State Commissioner of Health E. H. Porter to stop the pollution of the Niagara River in the city of Niagara Falls, N.Y., where it is stated garbage is thrown into the river through a chute below the Falls. The attention of the State Department was called to the matter by Charles A. Hodgetts, Chief Health Officer of Ontario, who stated that a petition from the city of Niagara Falls, Ontario, asking for authority to operate a similar chute in that city, had been denied by the Provincial officials, and asking that, if possible, steps be taken to prevent the pollution of the river on the American side.

LIGHT, HEAT, AND POWER

Montreal, Que.—The project of damming the St. Lawrence has been favorably reported on by the International Waterways Commission which recently held a meeting at Buffalo.

Bridgeburg, Ont.—The Canadian Niagara Power Company will erect a power plant here at a cost of \$6,000.

Fort William, Ont.—The ratepayers have voted to expend \$19,000 for lamps and line work in connection with the electric light system.

Preston, Ont.—The ratepayers will vote on an \$18,000 by-law to install an electric power distribution plant. H. C. Edgar, clerk.

MISCELLANEOUS.

Fredericton, N.B.—The Dominion Bridge Company has commenced active work on the erection of the four new steel spans which will complete the Fredericton-St. Marys Highway Bridge here.

Moncton, N.B.—Mr. J. Edington, city engineer, has outlined plans for another reservoir in connection with the water supply. The estimated cost of the work is \$212,000.

St. John, N.B.—Included in the estimate of expenditures on account of the Light Department for 1910 is an item of \$23,500 for 314 arc lamps at \$75, while considerable will be spent by the Fire Department on hydrants, hose, and fire alarm supplies generally.

St. John, N.B.—The following amounts have been voted by the council in connection with work to be done during this year:—Schools, \$136,418; public works, \$78,000; sewerage maintenance, \$15,000; interest, \$27,575; lighting, \$26,500; police, \$48,000; fire, \$65,000; ferry, \$10,400; city debentures, \$54,571; free public library, \$5,750; exhibition purposes, \$636; street lighting debentures, \$12,375; total \$480,227.

Montreal, Que.—On Tuesday, January 11th, Mr. F. W. Cowie of the Montreal Harbor Commission, delivered his first lecture on harbor engineering in the new course provided at McGill University for the engineering students. Over 100 attended.

Ottawa, Ont.—City Engineer N. J. Ker has suggested to the civic waterworks committee that two pumps and electrical equipment for the generation of power be installed to increase the fire pressure.

Fort William, Ont.—The ratepayers recently voted to expend \$21,000 on telephone construction and \$10,000 for the construction of a subway and dock.

Fort William, Ont.—The council have practically decided to purchase four new street cars. Write Mayor Peltier for details.

Thorold, Ont.—The town council have endorsed plans to allow several of the Niagara power companies to enter the town and supply power.

Toronto, Ont.—The Grand Trunk Railway have decided to control the movements of their trains on the Toronto-North Bay and Hamilton-Allandale divisions by telephone