

mains with valves, hydrants, etc., etc. Plans and specifications are on file with and blanks may be obtained from W. K. Cunningham, City Clerk, Weatherford, Okla., or J. L. O'Hearn, Consulting Civil Engineer, Clinton, Okla.

CONTRACTS AWARDED.

Hamilton, Ont.—The Hamilton Street Railway Company have ordered nine new cars from the Ottawa Car Company, Ottawa.

Hamilton, Ont.—The Smart-Turner Machine Company, Limited, have been awarded the following contracts amongst others:—Hamilton Steel & Iron Company, a duplex pump; McQuary Tanning Company, Owen Sound, a duplex pump; Manitoba Wind Mill and Pump Company, Brandon, a 5-ton hand power travelling crane; Allen Shoemaker, Berlin, a centrifugal pump.

Cobourg, Ont.—For the construction of a tile drain the following tenders were received:—

Successful bidder:—

Samuel Cann, Cobourg, 80c. per foot; build man-holes, flush Other bidders:— [tank and finish job.]

Alex. Sharp, Acton, 2,000 feet for\$1,767.00

N. B. Horton, Owen Sound\$2,500.00

J. H. McKnight Construction Co., Toronto.....\$1,900.00

and manholes \$45.00 each, junctions 75c. each.

Clement & Curran, Orillia, 2,050 feet..(complete) \$3,461.00

Excelsior Constructing & Paving Co., Limited....\$1,745.00

Pet. Nicholson, North Bay, per foot.....\$1.20

Elliott & Riley, St. Catharines(complete) \$2,330.00

Jno. F. Connolly, Toronto " \$2,400.00

Winnipeg, Man.—John Gunn & Sons of Winnipeg, have been awarded a contract for additions to the piers of the Louise bridge at \$13,800.

Victoria, B.C.—Alex. Watson, jr., is building a new steamer 125 ft. long with a 26-ft. beam for the British Columbia Express Company at an estimated cost of \$40,000. The Marine Iron Works of Chicago will supply special machinery which cannot be obtained in Canada within the requisite time.

RAILWAYS—STEAM AND ELECTRIC.

St. John, N.B.—Construction work on the east end of the Grand Trunk Pacific, owing to the unusual mild weather, is still going on. In New Brunswick the rails have been laid from Cains River westward as far as Nappadoggan Lake, where in the heart of the great Mirmimachi forest a divisional point has to be established. This work is being done by the Toronto Construction Company and the work will be continued so far as possible during the winter.

Montreal, Que.—At a meeting of the G. T. R. directors on Friday, January 7th, Mr. Charles M. Hays, was officially made president of the system. Mr. E. H. Fitzhugh becomes first vice-president; Mr. Wainwright second vice-president; and M. M. Reynolds third vice-president. Mr. R. S. Logan, who has long been associated with Mr. Hays, is appointed assistant to the president. Mr. Hays retains the general management.

SEWERAGE AND WATERWORKS.

New Westminster, B.C.—The Richmond water agreement, whereby New Westminster agrees to supply the neighboring municipality with water, has been signed. For \$125,000 the city of New Westminster agrees to connect the reservoir at Queen's Park, by a 24-inch steel pipe with the city's waterworks system at Coquitlam lake, and to lay a 12-inch steel pipe from the reservoir to a point near the westerly end of Lulu island, whence the water will be conveyed to the different parts of the municipality of Richmond. The city will keep the pipes in good repair for twenty years.

CEMENT—CONCRETE.

Howick, Que.—For the construction of concrete abutments, for the Allen's Corners bridge, D. R. Hay, secretary-treasurer of the municipal council, Parish of Tres St. Sacrement, invites tenders until January 25th.

Montreal, Que.—V. H. Dupont, 62 St. James Street, has plans and specifications for 6,000 feet of cement sidewalks for the construction of which Alphonse Decary, secretary-

treasurer of the Town of Dorval invites tenders until January 18th.

LIGHT, HEAT, AND POWER

Montreal, Que.—The water power in the Rouge River at Huberdeau, P.Q., has been sold to the Arundel Lumber Company, Ltd., of Ottawa, for pulp purposes. A head of 26 feet can be obtained and about 2,500 horse-power and the company owns limits in the river sufficient to supply the mill. Mr. W. E. Bradley, C.E., of Montreal, was instrumental in putting this deal through.

Calgary, Alta.—City Engineer Child, in a recent report to the commissioners, points out the advisability of establishing a new power plant without delay, and suggests a site in Victoria Park as suitable.

Edmonton, Alta.—Walter J. Francis, consulting engineer, of Montreal, has been retained by this city to report on the power plant and other civic utilities.

Revelstoke, B.C.—The city council have decided to enter into a five-year contract to supply the C.P.R. with power from the 1st May, at \$2.25 per kilowatt hour for from 75 to 150 h.p. A new power plant is being installed by the municipality.

Pittsburgh, Pa.—Orders have been received at the East Pittsburg shops of the Westinghouse Electric & Manufacturing Company for the early completion of the entire complement of electric locomotives for the New York terminal station of the Pennsylvania Railway. The contract calls for fifty locomotives in single units, to be constructed in accordance with designs made by the department of electric motive power of the Pennsylvania Railway and the engineers of the Westinghouse Company. The engines embody the latest features in electric railway construction and design. They can be operated as a single or double unit, and are said to be the largest vehicles for railroad transportation ever built. Each single locomotive is operated by an electric motor of 2,000 horse power. One of these double locomotives is equal in drawing capacity to three ordinary freight locomotives and will run sixty miles an hour. The Westinghouse Company has already completed and delivered two of the giant locomotives, which in the tests made on the Long Island division of the Pennsylvania Railway fulfilled every expectation. These tests resulted in the order for the completion of the engines, and it is expected that all will be delivered by July 1st, 1910.

PERSONAL.

Mr. W. D. Pender has changed his address from Morinville, Alta., to 234 Colony Street, Winnipeg, Man.

Mr. Willis Chipman, consulting engineer, has moved from 103 Bay Street to larger offices in the Mail Building, Toronto.

Mr. Edward M. Merrill, consulting engineer, has moved his offices to the Toronto General Trust Company's building, Yonge Street, Toronto, from the Lawlor building.

Dr. Ernst J. Lederle, Ph. D., of Lederle & Provost, consulting sanitary engineers, New York City, has been appointed health commissioner for the city of New York.

Messrs. Fullerton & Pierce, surveyors, have opened an office at Haileybury, Ont. Until recently Mr. C. H. Fullerton was government engineer on the new wagon road at Gow Ganda.

Mr. Matthew Jos. Butler, L.L.B., Mem. Can. Soc. C.E., has resigned his position as Deputy Minister of Railways and Canals, Ottawa, to become general manager and second vice-president of the Dominion Iron and Steel and Dominion Coal Companies. Mr. Butler was also chief engineer and chairman of the Intercolonial Railway Board of Management.

Mr. J. Darlington Whitmore, A. M. Can. Soc. C. E., recently resigned his position as city engineer of Moose Jaw, Saskatchewan, to take up private work. He will open an office in Regina, Sask., at the corner of Scarth and Railway Streets, as a consulting, sanitary and municipal engineer, specializing in sewerage, sewage disposal and pure water supply questions. Mr. Whitmore's experience will count for much in his new work.

The Roberts Filter Mfg Co. announce the removal of their office and works from 30th and Chestnut Streets, Philadelphia, to their new factory building, Sixth Street, Columbia Avenue and B. & O. Railroad, Darby, Philadelphia, Penna.