

to have also received the contract for building bridges and trestles between Stanley and Fort William.

**RENFREW, ONT.**—Nine tenders were received for the purchase of \$13,400 of town debentures. The tender of H. O'Hara & Co., Toronto, has been accepted, at premium of \$260.

**LONDON, ONT.**—The contract for iron work for new waterworks dam has been given to Geo. White & Son, this city, at \$1,085. The Hamilton Bridge Works will furnish the steel beams, at \$870.

**SAULT ST. MARIE, ONT.**—The contract for the section of the Algoma Railway between Lake Superior and the mines of the Lake Superior Power Company has been awarded to James Connee, M.P.P., of Port Arthur.

**ST. JOHN, N.B.**—The Board of Works has recommended the acceptance of the tender of the Good Roads Machinery Co., Hamilton, Ont., for a double cylinder steam road roller, a steel rock crusher, and a 16 h.p. Waterous engine.

**WINNIPEG, MAN.**—90,000 cubic yards of drainage work in Franklin municipality: W. R. Sinclair, this city, successful tenderer.—Gault Bros.' warehouse, corner Bannatyne and Arthur street: Carpenter work, A. C. Sutherland; masonry, Philip Burnett; plumbing and heating, Plawton Bros.; painting and glazing, James A. Payne; other trades not let.—Dan McGillivray, of Vancouver, and G. K. Leeson, of Calgary, are reported to have secured a 40 mile contract of the Ontario & Rainy River Railway.

**WOODSTOCK, ONT.**—Tenders were received by the town as follows for construction of sewers on the streets named: Nelson, Kent and Princess streets—H. Lane, Woodstock, \$767; B. Johnson, London, \$760; E. Cawsey, Stratford, \$711. Riddell street—H. Lane, \$377; B. Johnson, \$475; E. Cawsey, \$354. Hunter street—H. Lane, \$522; B. Johnson, \$353.76; E. Cawsey, \$315. Delatre street—H. Lane, \$2,760; B. Johnson, \$2,175; E. Cawsey, \$2,216. The Nelson, Kent, Princess and Riddell street sewers have been given to E. A. Cawsey, and the Hunter and Delatre street sewers to B. Johnson.

**TORONTO, ONT.**—The Board of Control last week accepted tenders as follows: Brick pavement on St. Patrick street, Spadina to Denison ave., Clark & Connolly, \$7,283; Pearl street, Simcoe to York, Dominion Paving Co., \$3,759; concrete sidewalk on Wilcox street, Huron to Spadina, 68 cents per lineal foot, Bay street, \$1.76 per foot, J. Gardner & Co.; concrete sidewalk on James street, Mr. Payne, \$1.99 per foot; cedar block pavement on West Lodge ave., Dominion Paving Co., \$1,754; macadam roadway on Davenport road, City Engineer, \$2,800.—The Engineering Contract Co., 603 Temple building, this city, have secured the contract for the construction of con-

crete dam, sluice-ways, bulk head, steam pipe supporters, power house and tail-race for the Canadian Electric Light Co., of Quebec city, the works to be constructed at Chaudiere Falls, near Point Levis.

**MONTREAL, QUE.**—David Ogilvie, architect, has accepted tenders as follows for alterations to house at 43 University street: Carpenter and joiner work, plastering and painting, T. Benard; plumbing and heating, W. J. Graham; fittings and special woodwork, Simpson & Peel.—A stone addition will be made to the church, corner Bishop and St. Catharine streets, 45 x 54 feet, roof of slate and galvanized iron, probable cost, \$8,000; architects, Messrs. Cox & Amos; masonry, Heggie & Stewart; carpenter work, W. W. Scott & Co.—Alterations will be made in two buildings, 806 to 812 Dorchester street, forming dwellings and stores, 44 x 73 feet, three storeys, brick, roof of gravel and cement; probable cost \$10,000; owner, H. Gatehouse; architect, C. B. Patterson; masonry and brick work, Heggie & Stuart; carpenter work, R. Neville.—A building permit has been granted for warehouse building corner Victoria square and Craig street, seven storeys, stone, with cement roof; probable cost \$100,000; owner, Mr. McIntyre; architects, Hutchison & Wood; masonry and brick work, Wighton, Morrison & Co; carpentry, L. Paton & Sons.

#### NEW METHOD OF DRIVING PILES.

A novel way of driving piles is reported to have been adopted by the Russian Engineer Corps, and one which is more expeditious than that of the ordinary pile driver. It consists of cutting grooves on two sides of the piles, of sufficient depth and breadth to carry ordinary gas pipes of 1 inch or 1½ inches in diameter, which terminate in nozzles like those of a hose pipe, and which are inclined towards the point of the pile. The pipes are fastened to the pile by light staples, and are then connected with the pump by a rubber hose. Water at a pressure of 71 pounds to the square inch is forced through the pipes, and the outflow causes the pile to sink. After the desired depth has been reached, a few blows are given by the falling weight to make sure that the pile is firm, and the pipes are removed and affixed to a new pile. This does not differ materially from the methods adopted in sinking the steel pipes at Coney Island and Long Branch for the ocean piers. They were settled in the sand by a stream of water forced out at their feet, and, as we remember, the work was very expeditious.

Albert Brunet and Emile Rasa have registered proprietors of the firm of Brunet & Rasa, painters, Montreal.

## THE PHENIX BRIDGE & IRON WORKS

MANUFACTURERS OF STAY BOLTS AND ALL KINDS OF RIVETS

STEEL AND IRON STRUCTURAL AND ARCHITECTURAL WORK

Beams, Channels, Angles and  
Tees always in stock.

29 to 49 McGill Street,

P.O. Box 893.

MONTREAL

Prices on Application.

## THE CADWELL SILEX STONE CO'Y

**SILEX STONE**

WALKS

CURBINGS

} A SPECIALTY

TO CORPORATIONS.—We can give you the benefit of our ten (10) years' experience in building our Silex Stone Walks.

C. W. Cadwell, Manager, Windsor, Ont.

## Portland Cements..

HIGH GRADE GERMAN BRANDS FOR GRANOLITHIC  
AND ARTIFICIAL STONE SIDEWALKS.

**Sewer Pipes,**

Best English Cements. Best Belgian Cements.

**Culvert Pipes, &c.**

**W. McNALLY & CO., Montreal.**

## JOSSON CEMENT ..Manufactured at..

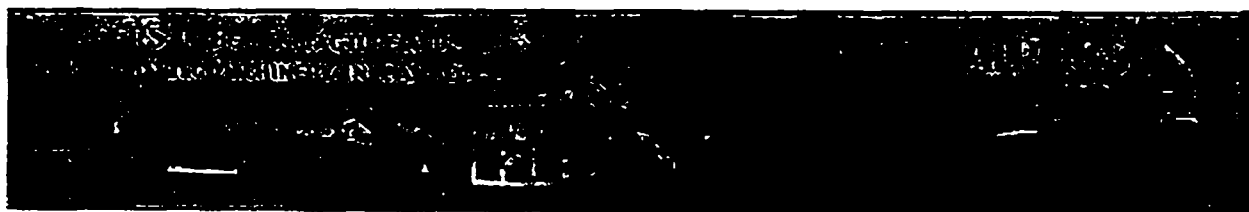
NIEL ON RUPELL

Is the Highest Grade Artificial Portland Cement and the Best for High Class Work. Has been used largely for Government and Municipal Works.

TO BE HAD FROM ALL CANADIAN DEALERS

**C. I. de Sola, Manager in Canada .. 180 St. James Street, MONTREAL**

## "CHAMPION" ROAD MAKING MACHINERY



Address all enquiries, and send for Descriptive Catalogues, to the

**GOOD ROADS MACHINERY COMPANY.**



**JOHN CHALLEN, Manager,**  
HAMILTON, CANADA.

**MUNICIPAL DEBENTURES BOUGHT**

**EMILIUS JARVIS & CO. (Toronto Stock Exchange) 32 King St. West, TORONTO**