

CONTRA AWARDED.

ALEXANDRIA, ONT.—\$5,000 town debentures: G. A. Stimson & Co., Toronto, purchasers, at \$5.025.

AMHERST, N. S.—Rhodes, Curry & Co. have secured the contract for an addition 110x44 feet to the Intercolonial freight sheds here.

TORONTO, ONT.—The contract for supplying the city with cement has been given to the Lakefield Portland Cement Co., of Lakefield, Ont. Price, \$1.84½ a barrel.

A company has just been incorporated under the name of the Canadian Inspection Company, Limited, with headquarters at 146 St. James street, Montreal, their business being the inspection of railway bridge and structural materials, the inspection of the construction of bridges, buildings and other structures, making tests, investigations and analyses of all kinds, both physical and chemical. Mr. Milton L. Hersey, the well-known City of Montreal analyst, is their consulting chemist. Mr. T. S. Griffiths, who has been for several years the representative of the Pittsburgh Testing Laboratory, Limited, has been appointed general manager of this concern.

THE GREY AND BRUCE PORTLAND CEMENT COMPANY
of Shallow Lake, Limited.

Manufacturers of
"HERCULES" BRAND OF PORTLAND CEMENT

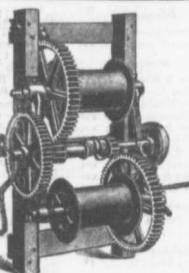
Very finely ground. Unsurpassed for Side walks, Floors and all work requiring the Highest Grade of Portland Cement. For prices address,

A. D. CREASOR, Sec'y-Treas.
Head Office, Owen Sound, Ont.

Manufacturers of

DERRICKS

and Derrick
Irons, Sheaves,
Hooks and
Chains, Stump
Pullers, Wire
and Cable
Stretchers,
Tackle blocks,
Material Ele-
vators, and
Dealers in
HOISTING
ENGINES
and Con-
tractors' Sup-
plies.



National Hoist & Machine Co.
403 West 22nd Street, Chicago

ANNUAL MEETING OF CIVIL ENGINEERS.

The Canadian Society of Civil Engineers opened its eighteenth annual meeting at its rooms on Dorchester street, Montreal, Tuesday, January 26th. Mr. K. Blackwell, the president, being in the chair. Preliminary business only was transacted at the morning session.

In the afternoon Dr. Stansfield, of McGill University, read a paper dealing with the electrothermic production of iron and steel. Dr. Stansfield began by considering the commercial possibilities of producing iron and steel in the electric furnace. Attempts are still being continued to produce iron and steel by processes similar to those usually adopted, but in which the heat necessary for the chemical reactions to take place and for fusing the metal is furnished by means of electrical power instead of by the combustion of carbonaceous fuel as at present. The very high temperature

produced by electricity in a furnace containing strongly reducing gases has been already utilized in the production of certain alloys of iron, such as ferro-chrome, ferro-silicon, etc., in which cases the value of the alloy and the difficulty and expense of production by ordinary methods has led to the use of the electrical furnace in spite of its greater cost. The question of the production of iron and steel depends entirely upon the relative cost of fuel and electrical energy. Where cheap fuel is obtainable, electrical energy would not compare favorably owing to its higher cost, but where electricity can be produced under the most favorable conditions, there is just the

Water Washed Sand

Is as cheap as pit sand and gives 50 per cent. stronger concrete or mortar.

The City of Toronto have contracted for all the sand they use for 1904 with this Company since using it in 1903. Stock always on hand. Try it

SAND & DREDGING, Limited
Tel. M. 4907 John Street Dock, TORONTO

WARREN'S PATENT "BITULITHIC" PAVEMENT
IS THE 20TH CENTURY PAVEMENT FOR CITIES

Has been laid in Montreal, Chatham, London and Glace Bay. It is clean, sanitary, and gives an excellent foothold for horses. Write for particulars and estimates to

WARREN BITUMINOUS PAVING CO.

Head Office: 164 Bay Street, TORONTO, ONT.

MCGREGOR & MCINTYRE, LIMITED,

65 to 73 Pearl Street, Toronto, Ont.

STRUCTURAL IRON WORKS

Fire Escapes, Library Racks, Sidewalk Door, Jail Cells, Iron Stairs, Railings, Etc., Etc

WRITE FOR ESTIMATES.



WISE AND OTHERWISE

Wise because he refuses to sign Bonds or endorse notes. Otherwise if he does not.

The United States Fidelity & Guaranty Co.

Issues Contract Bonds and Bonds of Municipal Officers.

Kirkpatrick & Kennard, Mgrs. for Canada.

6 COLBORNE STREET, - TORONTO, ONT.

The Canadian Bridge Co., Limited

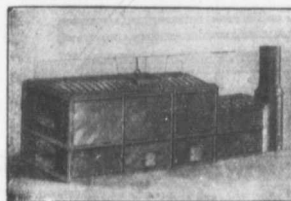
WALKERVILLE, ONT.

MANUFACTURERS OF

RAILWAY AND HIGHWAY BRIDGES

Locomotive Turn Tables,
Roofs, Steel Buildings and
Structural Iron Work of all descriptions.

PERFECTION STEEL-CLAD AND BRICK SET INCINERATORS



MANUFACTURED BY

Toronto Furnance & Crematory Co., LIMITED

14 and 16 Queen St. East, TORONTO, CANADA

Experts in sanitary disposal of dangerous wastes,

Garbage, Refuse, Night Soil, Dead Animals,

For Cities, Towns, Hospitals, Hotels, Abattoirs, etc.

The plants embody the newest features of modern practice and are constructed to meet the requirements of the smallest towns and the largest cities, capacities ranging from 4 to 100 tons daily. Correspondence invited.