CANADIAN

CONTRACT RECORD

A Weekly Journal of Engineering, Public Works, Tenders, Advance Information and Municipal Progress

This Paper Reaches Every Week the Town and City Clerks, Town and City Engineers, County Clerks and County Engineers, Leading Civil Engineers and Contractors throughout Canada, and Purchasers of Municipal Debentures.

VOL. 17.

TORONTO, MONTREAL - FEBRUARY 6, 1907 - WINNIPEG, VANCOUVER

No. 49

THE CANADIAN CONTRACT RECORD PUBLISHED EVERY WEDNESDAY

As an intermediate Edition of the Canadian Architect and Builder.

THE C. H. MORTIMER PUBLISHING COMPANY of Toronto, Limited,

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Davis Chambers, 615 Hastings St., Vancouver, B. C. Telephone 2248

Subscribers who may change their address should give prompt notice of same. In doing so give both old and new address. Notify the pub-lishers of any irregularity in delivery of papers.

WANTED

Two second-hand Hoisting Engines, either triple or double drum, size about 10 x 12 or 8 x 10. or double drum, size about State condition and price. THR CADWELL SAND & GRAVEL CO., Box 117, Windsor, Ont

CONTRACTORS

The undersigned having acquired the Canadian Rights for the use of the Raymond Concrete Pile, are prepared to lease to responsible contractors the seclusive right to use this form of piling in certain specified territories. Address communications to THE RAYMOND CONCRETE PILE CO.

of Canada, Coristine Building, Montreal

TENDERS FOR SUPPLY OF 30 MILES OF WATER PIPE

Sealed tenders addressed to the Chairman of the Fire, Water and Light Committee for the supply of thirty miles of assorted water pipe and quantity of specials for the City Water Works, will be received at the office of the undersigned up to 2 30 p.m. on

FRIDAY, MARCH I. 1907.

Specifications and forms of tender may be obtained at the office of H. N. Ruttan, City Engineer, Winnipeg, Man.

Each tender must be accompanied by an accepted cheque or draft payable to the order of the City Treasurer, or cash deposit for the zum called for in the form of tender supplied, which will be subject to forfeiture in case or failure on the part of the contractor to enter into a written contract with approved sureties if called upon tody to.

The city reserves the right to reject any or all tenders or to accept any bid which appears advantageous to the City of Winnipeg.

C. J. BROWN,

C. J. BROWN, City Clerk City Clerk's Office, Winnipeg, December 8, 1906,

For Sale

Two Canadian patents, covering Labor-Saving Device. Information given on application.

Box 512, St. Catharines. Ont.



ONTARIO RAILW AY COMMISSION

TENDERS WANTED

Sealed tenders addressed to the Secretary-Treasurer of the Commission (and endorsed as tender for the character of the work bid upon) will be received at the office of the Commission, will be received at the office of the Commission, on the Commission of the Commi

gallon water tanks on the line of the F. S. N. Railway between Englehart and McDougall's Chute.

(d) For the building of thirteen standard number three section houses on the line of the T. & N. O. Railway between Englehart and Mileage 21 from North Bay.

Plans and specifications in connection with the above may be seen at the office of the Commission in Toronto, and at the office of the Chief Engineer, North Bay.

Tenders to be made on forms supplied by the Commission and to be accompanied by certified chief the commission and to be accompanied by certified chief the commission and to be accompanied by certified chief the commission and the order of the Chairman For building of freight shed and passenger station at Gillies Depot, \$100.000 for building of tanks north of Englehart, \$100.000 for building of section houses north of Englehart, \$1,000.000.

Partical desiring to tender on more than one of

building of section houses north of Englehart, \$1,000.00.

Parties desiring to tender on more than one of the above items must make a separate tender for each contract. The cheque of the party whose tender is accepted will be forfeited if such party fails or declines to enter into a contract in form satisfactory to the Commission or fails or declines to furnish security to the satisfaction of the Commission for the due completion of the Commission for the due completion of the work at the rates, and on the terms stated in the offer submitted.

The lowest or any tender not necessarily accepted.

H. W. PEARSON,

H. W. PEARSON,

Secretary-Treasurer. Dated at Toronto, January 26th, 1907. Papers inserting this advertisement without authority will not be paid for same. SCHOOLSHIP OF A TWO

Tenders

will be received up to FEBRUARY 197H, by JNO. S. FIELDING, C.E., 15 Toronto street, Toronto, for STRUCTURAL STEEL work, Trestle, etc.4

Tenders

for Factory Building 90 8 108, at Niagara Falls, Ont. All trades will be received by JNO. S. FIELD. ING, C.E., 15 Toronto street, Toronto, up to Feb. 16th. Plans on view now.

Tenders

for CONCRETE DAM AND POWER HOUSE for Town of Streetsville will be received by JNO. S. FIELDING, C.E., 15 Toronto street, Toronto. Plans on view after 10th instant. Tenders in by Feb. 19th.

TENDERS

will be received by the undersigned until FEBRUARY

CAST-IRON PIPE

Civil Engineer.

Civil Engineer.

Berlin, Ont. and special castings for the ELMIRA WATER WORKS. For forms of tender apply to

TENDERS FOR

Portland Cement

Sealed tenders addr-ssed "S. R. Armstrong, City Clerk, Peterborough, Ont," and endorsed "Tenders for Cement", will be received up to FEBBUARY 197H, 190*, for supplying 5,000 barrels more or less of Portland Cement.

barrels more of less of Pottland Cement.

Tenders will state whether cement is packed
in sacks or barrels, net weight per sack or
barrel and price fo.b., Peterborough. Sample
tests will be made from consignments before
acceptance. Delivery to commence not later
than May 1st, 1907. A marked cheque for an
amount equal to 5 per cent. of to'al contract
must accompany each tender. Specifications
furnished on application. The lowest or any
tender not necessarily accepted.

S. R. ARMSTRONG.

S. R. ARMSTRONG, City Clerk

CITY OF WOODSTOCK

DEBENTURES

Scaled tenders, addressed to the undersigned, will be received till noon of WHDNHSDAY, THE 22TH DAY OF FERRUARY NEXT, for the following City of Woodstock debentures: \$3,000 for Fublic Library site, 10 years, due December 31 1036, interest 4½ per cent. \$7,000 Consolidated Debentures, 30 years, due December 9, 1936, interest. ½ per cent. \$20 000 for addition to Collegiate Building, 30 years, due December 31, 1936, interest 4½ per cent. \$16,000 for Sewerage purposes, 30 years, due December 31, 1036, interest 4½ per cent. Interest payable yearly.

The highest or any tender not necessarily accepted.

JOHN MORRISON,

JOHN MORRISON,

City Clerk's Office, Woodstock, January 24,19



Notice to Architects

Designs for New Departmental and Justice Buildings, Ottawa.

EXTENSION OF TIME

The time for receiving competitive designs for the roposed new Depatrmental and Justice Buildings at Itawa, is hereby extended from April 15 to July 1,

By order, FRED. GELINAS, Secretary.

Department of Public Works, Ottawa, January 24, 1907

Newspapers will not be paid for this advertisemen if they insert it without authority from the Depart

CITY OF SASKATOON PROVINCE OF SASKATCHEWAN

WATER WORKS AND SEWERAGE

Tenders will be received by the Secretary-Treasurer of the City of Saskatoon until 8 p. m. on

WEDNESDAY, MARCH 20TH, 1907

for the following works:

Contract "A" — Labor on Pipelaying for Water
Works and Sewerage, comprising
about 27,000 feet of trenching.

Contract "C" — Boout 27,000 feet of trenching.

Tower.

Tower.

Contract "L" — Sedimentation Basin.
Plans, specifications, etc., may be seen at the office of the Chief Engineer, tog Bay Street, Toronto, Ont., or at the office of the Resident Engineer, Saskatoon, Sask.

JAS. R. WILSON, Esq., WILLIS CHIPMAN.
Mayor,
Saskatoon,
Saskatoon,
Sask.
Toronto, On ef Engineer, 103 Bay St., Toronto, Ont Sask.
ADAM TURNER, Esq.,
Saskatoon, Sask.

City of Winnipeg

Point du Bois Hydro-Electric Development.

TENDERS FOR TRAMWAY

Sealed tenders addressed to the Chairman of the Board of Control, and marked on the envelope, "Tender for Tramway," will be received at the office of the undersigned up to noon of MONDAY, THE 25TH DAY OF FEBRUARY, 1907, for the construction of twenty-four miles of single track tramway control of the state of the sta

\$1,500).
(c) Remainder of construction as specified (certified

(c) Remanded cheque \$3,000). These tenders will be subject to the same general conditions as those specified for tender for the whole

work.

The board reserves the right to reject any or all tenders, or to accept any bid which appears advantageous to the City of Winnipeg.

M. PETERSON,
Secretary.

Board of Control Office, Winnipeg, January 23, 1907.

POSITION WANTED

ced English Architectural Draug tion. Address "Draughtsman, RECORD, Toronto. wants position. CONTRACT RECORD

TO CONTRACTORS

Bulk or separate tenders will be received by the undersigned, up to SATURDAY, FEBRUARY 16711, INST., for the erection of a Stone Church Building for the Parish of St. Columbkill at Toledo, Ont.

Ont.
Plans and specifications may be seen at the office
of the architect, Kingston, and at the residence of
the Rev. John T. Hanley, Toledo, Ont.
HENRY P. SMITH, Architect.
Crown Bank Building, Kingston, Ont.

Corporation of the Town of Portage la Prairie.

Tenders for Cement

Sealed tenders addressed to the undersigned will be received until noon, FEBRUARY 1gTH, 1997, for from a,000 to 3,000 barrels of best Portland Cement. Envelopes containing tenders must be plainly marked on the outside.

All tenders must be accompanied by a marked cheque made payable to the Treasurer of the Town of the provided of the tenders and the payable to the Treasurer of the amount of the provided of the tender o

cceptance.

Specifications can be seen at the office of the under-igned, or will be mailed on application.

The lowest or any tender not necessarily accepted.

Signed F. W. CLAYTON,

Dated at Portage la Prairie, January 26th, 1907

To Contractors

Tenders will be received until noon on PRIDAY, PEBRUARY 15711, for the construction of Relinforced Concrete Abutments and Piers for a the Township of Dunwich in the County of Rigin and Township of Bunwich in the County of Rigin and Township of Beria in the County of Middlesex. Plans and specifications can be seen at the office of either of the undersigned. A deposit of \$4,0.00 om untstaccompany each tender as a guarantee of good faith. This amount will be returned after the successful tenderer has signed a contract. Tenders are to be made out on forms supplied. The committee do not bind themselves to accept the lowest or any tender.

JAS. A. BELL,

JAS. A. BELL,
County Engineer, Eigin County,
CHARLES TALBOT, St. Thomas, Out.
County Commissioner Middlessex County,
London, Ont.

To Contractors

Tenders will be received until noon on FRIDAY, PEBRUARY 137H, for the erection of
Reinforced Concrete Abutments for a Bridge to
be built over the Otter Creek in the Township
of Bayham for the County of Rigin, known as
tions can be seen at the office of the undersigned.
A deposit of \$200.00 must "company each
tender as a guarantee of \$200.1 faith. This
amount will be returned at the successful
tenderer signs a contract. Tenders are to be
made out on forms supplied. The committee
do not bind themselves to accept the lowest or
any tender.

IAS. A. BELL.

JAS. A. BELL., County Engineer, 8t. Thomas, Ont.

CONTRACTS OPEN.

WOODSTOCK, ONT .- F. Crossley has acquired property on which he will erect a hotel at a cost of \$60,000.

AMHERST, N.S.-Minudie Coal and Railway Co. purpose constructing a rail-way from this town to River Herbert.

ACTON, ONT .- C. Smith & Son are considering the removal of their foundry and machine shops from Durham to this

SASKATOON, SASK. — Smith & Brown, whose building was recently destroyed by fire will rebuild the struc-

ST. CATHARINES, ONT. - The City Council have purchased a site on which a new school building will be erected.

NORTH TORONTO, ONT. - A residence is to be erected in connection with St. Monica's Roman Catholic Church.

OLDS, ALTA.-R. B. Campbell will receive tenders up to February 25th for purchase of \$9,000 20 year town debentures.

MONTREAL, QUE. - The Gould Cold Storage Co. have taken a building permit for the erection of four stores at a cost of \$14,000.

ALLISTON, ONT .- A. Merner, of Waterloo, is negotiating with the Town Council in reference to establishing an engine and thresher factory here.

LONDON, ONT.—It is understood that the Canadian Pacific Railway have options on large properties in this city which they will erect large car shops.

EAST TORONTO, ONT. — The Toronto and York Radial Railway purpose constructing a bridge over the Grand Trunk tracks, at a cost of \$7,000.

OWEN SOUND, ONT.—F. Gelinas, Secretary Department of Public Works, Ottawa, will receive tenders up to February 25th for construction of a public building here. Plans with Foster & Clark, architects, this town, and Department of Public Works, Ottawa.

WINNIPEG, MAN.—Tenders will be received up to February 28th, by the Chairman, Board of Control, for supply of from 3,000 to 5,000 tons of asphalt referof from 3,000 to 5,000 tons or aspinal refer-red to in the last issue of the Contract Record. Specifications at office of City Engineer.—The City Engineer has re-commended the purchase of 200 enclosed arc lamps and two regulators.—The Chairman, Board of Control will receive tenders up to February 12th for con-struction of a creosoted block pavement on Dufferin avenue. Specifications at office of City Engineer.

OTTAWA, ONT. - Rowell, Reid, Wilkie, Wood & Gibson, solicitors, Toronto, are applying at the present session of the Dominion Parliament for an exten-sion of time in which to commence the sion of time in which to commence the Manitoulin & North Shore Railway Co.'s lines between Sudbury and Little Current and Meaford and Owen Sound, also the road of the Hudson's Bay & Western Railway Company and the Algoma Central and the Hudson Railway Co.—The city proposes to open up O'Connor street, between Pattison and Carling avenues.—The Freemasons of this city have purchased a site on which to erect a Masonic temple.—The Waterworks Committee have included the following items in their estimates for this year: a Masonic temple.—The Waterworks Committee have included the following items in their estimates for this year:—New services, \$10,000; hydrants, \$2,000; mains, \$8,000; meters, \$500.; aqueduct cribs, etc., \$1,500; buildings, \$1,800; forebays, \$1,500. Maintenance and repairs — Machinery, \$2,000; services, \$9,500; hydrants, \$3,000; mains and valves, \$2,000. F. Gelinas, Secretary, Deparment of Public Works, will receive senders, up to February 18th, for construction of a post office building at Fernie, B.C. Plans at office of above department and R. A. Kerr, Fernic.—The Dominion Government have practically decided to construct a tunnel under the Lachine canal on the site at present occupied by the Curran bridge, and an the Lachine canal on the site at present occupied by the Curran bridge, and an appropriation of \$50,000 will be made to accomplish the preliminary work.—F. Gourdeau, Deputy Minister of Marine & Fisheries, will receive tenders up to February 15th for the building of a twin screw and composite steamer for fisheries service on Lake Winnipeg. Plans with Collector of Customs at Winnipeg, Brandon, Toronto and Hamilton; Inspector of Fisheries, Selkirk, Man., and Inspector of Steamboats, Kenora, Ont.— Inspector of Steamboats, Kenora, Ont.—
F. Gelinas, Secretary, Department of Public Works, will receive tenders up to February 25th for construction of a public building at Owen Sound. Plans at office of above named department and with Forces & Clark publication. with Forster & Clark, architects, Owen

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BUILDING SIMPLIFIED

With the "IDEAL" Concrete Block Machine



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Changing Pallet,



Tamping



Turning Mould.

Any man can make blocks with the Ideal Machine. It is absolutely simple—works on the face down principle—the same machine makes 57 varieties—has a large capacity.

TURNS OUT BLOCKS WHICH ARE:

FIRE PROOF, FROST PROOF, DURABLE, and ATTRACTIVE IN APPEARANCE.

CHEAPER THAN STONE, BRICK OR WOOD.

MUSSENS LIMITATION W. H. C. Mussen & Co.
MONTREAL

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BRANTFORD, ONT .- A. J. Small, of Toronto, is considering the erection of a new theatre to cost \$50,000.

PETERBORO, ONT .- A new school is to be erected in Asphedal township, to cost \$1,600.

NIAGARA FALLS, ONT. - The Canadian Nut & Bolt Company have decided to build a factory here at once.

TORONTO JUNCTION, ONT .- The Salvation Army intend to erect a barracks here at a cost of \$5,000.

ST. JOHN, N. B.—The Salvation Army have purchased property on which they will erect a building to cost \$11,000.

HESPELER, ONT. - Alderman Groh, is having plans prepared for a three-storey brick block to be erected in this town.

MINNEDOSA, MAN.—The Board Trade have recommended to the Town Council that water p er be developed on the river.

OWEN SOUND, ONT .- The Grey County Council have decided to con-struct a new bridge in place of the Pot-

MONTREAL, QUE.—The Y. M. C.
A. have secured a site on Drummond street on which they will erect a new building at a cost of \$300,000.

BUCKHORN, ONT.—Tenders will shortly be called for by the Dominion Government for construction of the concrete dam and bridge here to cost \$35,-

DAVIDSON, SASK .- Kayler & Son, of Winnipeg, have purchased the American Hotel here. They will move the present buildings back and erect a three-story addition in the front.

CALGARY, ALTA .- G. A Hacking, representing the Perfection Power Block Machine Company, Minneapolis, Minn., has been in this city making arrange-ments for the establishment of a branch factory here.

VICTORIA, B.C.-F. Angus recently sold property on which it is said the pur chaser will erect a substantial building.— E. E. Mahon, owner of the Sehl block on Government street, proposes to make additions and improvements to that building at a cost of \$20,000.

THREE RIVERS, QUE. - The Consolidated Chemical Co. of Guelph, Ont., will locate their factory in this city, and work on the erection of the necessarily buildings will commence shortly.

PRINCE ALBERT, SASK.—C. H. Mitchell, C. E., in his recent report to the Town Council says that 2,000 horse power can be developed on the Shell river. It is reported that at least 725 horse power will be required immediately.

RAYMOND, ALTA. - The Town Council have decided on the purchase of a boring machine, and the Fire, Water & Light Committee are discussing the purchase of a chemical fire engine.—J. W. Knight intends erecting a three-story block at a cost of \$75,000.

block at a cost of \$75,000.

FERNIE, B. C.—F. Gelinas, Secretary, Department of Public Works, Ottawa, Ont., will receive tenders up to February 18th for construction of a post office building. Plans at office of R. A. Kerr, Clerk of Works, this town, and above named department.

FREDERICTON, N.B. - Tenders will be received up to February 25th, by C. H. La Billios, Chief Commissioner, Department of Public Works, for building

Department of Public Works, for building the masonry substructure of St. George lower bridge, St. George, N.B. Plans at office of above department and with H. V. Dewar, St. George.

VANCOUVER, B. C.—Cross & Co. have purchased property on Richard street with the intention of erecting a factory building thereon.—T. H. Calland & See heave consider vegetaries, as which & Son have acquired property on which they will erect two office buildings.—The question of installing a telephone system

throughout the public school buildings of this city is being discussed.

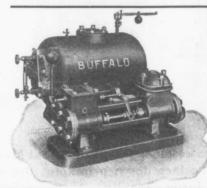
DUNDAS, ONT. — The Crandal Cutlery Co., Bradford, Pa., are negotiat-ing with the Town Council in reference to the establishment of works in this town.—The Local Board of Health have recommended that the Town Council consider the question of installing a fil:ration system.

FORT FRANCIS, ONT.—Tenders will shortly be called for supply of a gasoline engine, pump and erection of power house, for the town. W. H. Elliott, Town Clerk, will receive tenders up to February 26th for purchase of \$43,005 year waterworks debentures.

BRANDON, MAN.—The following recommendation has been made by the several committees:—That plans and estimates be secured for the construction of a trunk sewer; that a reinforced concrete floor, with creosote block payment, be laid on the 18th street bridge, that a 60 ft. aerial ladder be purchased.

WELLAND, ONT.-The Canadian Billings-Spencer Drop Forge Co. will locate their Canadian factory in this town providing certain concessions are authorized by the ratepayers. The estimated cost of their plant is \$75,000.—Stuart Bros. have decided to erect a new

LETHBRIDGE, ALTA.—H. Hutch-inson will erect two semi-detached brick dwellings.—The Diamond Coal Co. have decided to spend about \$300,000 in the development of properties which are sit-



Buffalo Pumps

Reciprocating and Centrifugal

FOR THE FACTORY: \$ TANK PUMPS, BOILER FEED PUMPS, UNDER-WRITER FIRE PUMPS, HYDRAULIC PRESSURE PUMPS, JET CONDEN -SERS.

> Send for Catalogue. -0-

Canadian Buffalo Forge Co., OFFICE AND FACTORY:
MONTREAL, QUE.



STAR

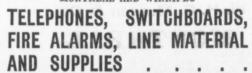
THE CANADIAN STANDARD

THE CANADIAN PORTLAND CEMENT CO., LIMITED

502 TEMPLE BUILDING, TORONTO

BOARD OF TRADE BUILDING, MONTREAL

The Northern Electric and Manufacturing Co., Limited MONTREAL AND WINNIPEG



uated about six miles from this town. usted about six miles from this town.—
It is reported that American capitalists are considering the establishment here of a large sugar factory. The capital of the syndicate is said to be \$1,000,000.

EDMONTON, ALTA.—R. B. Cronn has taken a building permit for the erection of a two-storey brick and center.

tion of a two-storey brick and cement store, cost \$4,000. Other permits issued store, cost \$4,000. Other permits issued were: 1. Travis-Barker, store block with dwellings, cost \$12,000; E. Auld, stores, cost \$9,000; C. B. Beald, warehouse, cost, \$5,000, biacksmith shop, cost \$1,600; A. W. Ormsby, stores, cost \$2,500.—G. J. Kinnaird, Commissioner, will receive tenders up to February 18th for purchase of \$815,487 city debentures.

PORT ARTHUR, ONT .- The Board of Heal h have recommended that the Town Council take up the question of establishing a garbage crematory.—The erection of an isolation hospital will shortly be discussed by the Town Council.—The Canadian Northern Railway are considering the erection of a hotel here, at a cost of \$250,000.—The city will erect new car barns.—Work will shortly be commenced on the erection of the buildings for the Seaman-Kent Co.

ST. MARY'S ONT.—L. Harstone, Town Clerk, will receive tenders up to

It seems peculiar that the
"PRIESTMAN'S" EXCAVATOR
AND DREDGER
inasmuch as it will do more work wit
an any Excavator at pro-

first cost is less than most. For particul.

G. P. WALLINGTON.

February 11th for purchase of \$23,636,62 town debentures. Tenders will be received up to February 20th by J. G. Maclin, Chief Engineer, St. Mary's and Western Ontario Railway Co., this town, for construction of a section of the above named railway from St. Mary's to Embro. Plans at office of Chief Engineer.



forged from one piece of High Carbon Bar Steel without weld or rivet, solid neck and blade, tempered in oil, straight chucked handle can be replaced when broken.

CANADIAN SHOVEL & TOOL CO. LIMITED WRITE FOR CATALOGUE

d

HAMILTON, CANADA

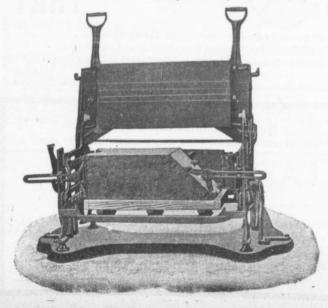


... Speaks For Itself ...

THE MILES CONCRETE BUILDING BLOCK MACHINE

Makes 40 Different Sizes of Stone in Any Design, as well as the Specials, viz.: Water Table, Gable, Circle, Angle, Chimney, Cornice, Pier Blocks, etc.

Catalogues and Information Cheerfully Furnished.



This Machine makes all blocks face down-"the only practical way "-allowing of a richer and finer facing, producing blocks that are perfect in appearance and impervious to moisture.

Let us tell you how the "Miles" will pay for itself over any other machine in three months' operation.

Manufactured and Sold by

VINING BROS. M'f'g. Co.

Niagara Falls, - Can.

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of

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PORTAGE LA PRAIRIE, MAN.— F. W. Ciayton, Town Secretary-Treas-urer, will receive tenders up to February 15th for supply of from two to three thousand barrels of Portland cement.

thousand barrels of Portland cement.

TORONTO, ONT.—Tenders will be received up to February 11th, by Osler Wade, 67% Bay street, for purchase of buildings and plant belonging to estate of the Toronto Plaster & Supply Co. The building machinery etc. may be purchased en block or in separate parcels, the total list value being \$3,806,15.—H. Simpson, architect, 17 Toronto street, will shortly take tenders for erection of a residence on Laxton avenue for C. Stone and also a residence on Dundonald street for J. L. Hughes, to cost \$5,000 each.—Ellis & Connery, architects, Manning Chambers, will shortly call for Manning Chambers, will shortly call for tenders for erection of a bank building tenders for erection of a bank building at Toronto Junction for bank of British North America, to cost \$30,000. They are also preparing plans for a brick market building for the municipality of Schomberg, Ont.—The King Radiator Co., of Montreal, who recently leased property in Ashbridge's Bay district from the city, have applied for another three acres on which to erect additional buildings.—The Property Committee of the Board of Education have recommended the following expenditures: Building account. \$24,500; technical high school, ded the following expenditures: Building account, \$243,500; technical high school, \$4,425; collegiate institutes, \$9,220; building estimates for the collegiates, \$150,000, including \$50,000 for the enlargement of Harbord street Collegiate and \$70,000 for board rooms, offices, etc.; public school repairs, \$38,000.—The management of Knox College have authorized the purchase of land extending from St. George street to University laws on which they will erect new collegiate. authorized the purchase of land extending from St. George street to University lawn on which they will erect new college buildings. The estimated cost of the buildings and site is \$500,000.—The Daisy Radiator Co., of Montreal, have purchased about three acres of land at Ashbridge's Bay on which to erect a branch factory, at a cost of \$125,000.—The City Architect has issued the following building permits: J. V. Hunter, two-storey and attic brick dwelling, 212 Havelock street, cost \$3,500; W. F. Cremes, two and a half storey brick veneer dwelling, 60 Broadview avenue, cost \$3,000; W. Kean, two-story brick dwelling, Humberside avenue, cost \$3,000; W. Kean, two-story brick dwelling, 845 College street, cost \$3,000; H. S. Mara, pair two and half storey semi-detached brick dwellings, Poplar Plains road and MacPherson avenue, cost \$6,000; W. Nash, two and a half storey brick dwelling, Kendall avenue, cost \$3,000; A. Pardoe, two storey brick dwelling, Hawihorne street, cost \$5,000; Pape Avenue Baptist Church, one dwelling, Hawthorne street, cost \$5,000; Pape Avenue Baptist Church, one storey brick and wood church, cost \$4,-

500; H. Block, one pair three storey brick stores and dwellings, Queen street, cost \$7,000.—H. Walker reports the sale of a lot on St. George street 100 x 150 feet, also a lot on Park road 130 x 220 feet an which it is reported local positions. feet on which it is reported local business men will erect houses at a cost of \$25,000.

FIRES.

FIRES.

Dry kilns of Tobin Mfg. Co., Bromptonville, Que., considerably damaged.— Buildingsatflodden, Que., property of J. Stalker,
totally destroyed.—Factory building of H.
Wickham, Port Arthur, Ont., loss \$2,0,00.—
Farreli block, Moyie, B. C., damage \$2,500.—Factory of Canadian Glass Mfg.
Co., Point st. Charles, Que., loss \$20,000.
Pumping station of the Collingwood,
Ont., considerably damaged.—Premises of the
J. S. King C., Winnipeg, Man., considerably damaged.—The Enterprise
building, Caron, Sask..., totally destroyed.
—The Hanna store, Wingham, Ont., loss
\$15,000.—Jamieson block, Picton, Ont.,
\$35,000.—Jamieson block, Picton, Ont., \$35.000.

CONTRACTS AWARDED

PORT ARTHUR, ONT.—Alterations to the Algoma Hotel: Mr. McKinnon, this town, contractor.

HANOVER, ONT .- Woodwork in residence on Inkerman street: D. Steive, Chesley, Ont., contractor. NELSON, B., C.—Erection of building for Cannadian Bank of Commerce: J.

Burns, this town contractor.

EDMONTON, ALTA.-Erection of post office building to cost \$2.6 Charles May, this city, contractor.

ST. JOHN, N. B.—Construction of a 600 foot wharf for the city: Clarke & Adams, successful tenderers, at \$149,858

HALIFAX, N. S.—Erection of a hospital in connection with the Protestant Orphanage: J. S. Corston, this city, contractor, Tender \$3,104.

tractor, Tender \$3,104.
PORT ARTHUR,ONT.—Construction of a concrete and steel grain elevator for Grand Trunk Pacific Railway: Barnett

Grand Trunk Facine Railway: Barnett & McQueen, contractors.

VANCOUVER, B. C.—The erection of an automobile garage for W. H. Massey and associates: Purdy & Longergain, contractors, cost \$30,000.

TORONTO, ONT.—Supply of twelve asphalt dump waggons for city: Wilkinson Plough Co., Toronto Junction, successfull tenderers at \$140 each.

BIDS.

BIDS.

VANCOUVER, B. C.—The following are the bids received for supply of an automobile engine of 1200 gallons per minute capacity, 600 gallon engine and a 60 foot service truck with equipment: The Merriwether Co., automobile engine, \$6,500; truck \$3,800, fo.b. Vancouver. International Power Co., automobile engine \$9,200, fo.b. New Hampshire. Waterous Engine works, automobile engine \$7,000; 300 gallon gasoline engine \$7,000; Auncouver. W. E. Seagrave, Walkerville, Ont., truck, \$3,800, f.o.b. Walkerville.

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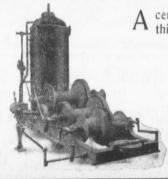
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Mr. F. W. Cowie, of Ottawa, Ont., has been appointed engineer of the Montreal Harbor Board.

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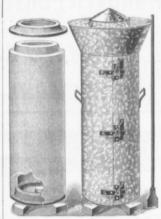
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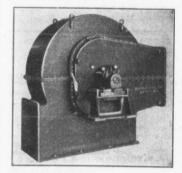
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The cleansing action of the fan is due to the centrifugal force throwing the particles of dust against the water-covered surface of the interior of the housing. This surface is kept covered with a water film because of water spray which fills the interior

of the fan housing at all times. The free moisture is taken out by eliminator or baffle plates close to the fan discharge. For use in the stoves and under the boilers, there are provided by-passes so that the gas can be supplied to these places if desired, without passing through the fans at all, or only one or both of the fans.

The fan housings are of heavy cast iron, built in halves, with flanges, and bolted together with through bolts. This division facilitates handling and assembling. The blast wheel is built of extra heavy steel plate mounted on a 5-inch shaft through the inlet connections and stuffing boxes. The bearings are mounted on two independent pedestals and are self-alining and ringoiling. The fans take about 21/2 horse-power per thousand cubic feet of gas passed per minute, with the normal water supply to the spraying nozzles; if more water is used, more horse-power is required, of course. These fans are the only ones in use at present in the United States for cleaning blast furnace gases. They are made in Canada by the



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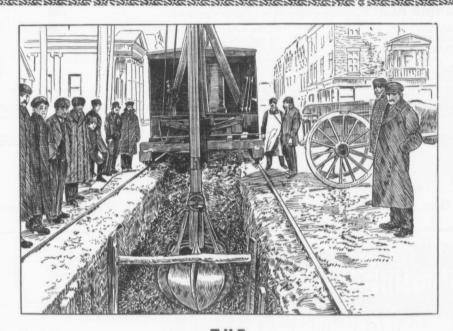
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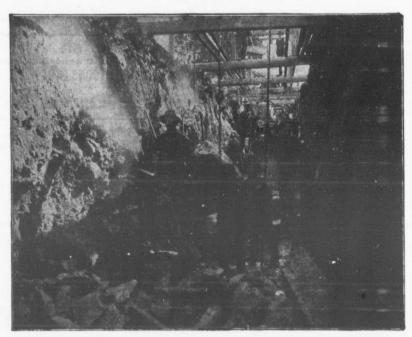
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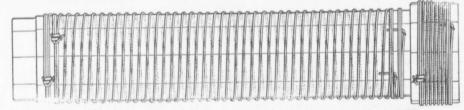
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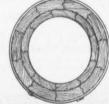
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pany, Limited, Russell, Ont., incorporated, capital \$100,000. Directors, D. Carkner, D. F. Mc-Arthur, D. S. McDougall, J. D. McPhail and W. F. Hennie. \$100,000.

The Wentworth Quarry Co., Limited, Hamilton, Ont., incorpora-ted, capital \$60,000. Directors, T. H. Crerar, W. Martin, J. E. Hutty, A. Aikin and J. McCoy.

The Phillip Carey Manufacturing Company, of Canada, Limited, Hamilton, Ont., to manufacture roofing material, cement, etc.. capital \$100,000. Directors, G. D. Crabbs, R. B. Crabbs, E. L. Buse, and W. J. Moeller.

F. W. Summer, R. G. Duncan, D. G. Kirk, all of Bathurst, N. B., and others, will apply at the next session of the New Brunswick Government for incorporation as The Bathurst Water & Sewerage Company, Limited, with a capital stock of \$50,000.

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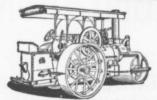
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NOTES.

Mr. J. McGill Otty, a native of Kings County, N. B., died suddenly at Winnipeg on the 25th of January.

Mt. S. Davidson and Mr. P. A.

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Year.	Sam	Soundness Faiji Test.	Specific	sidue in Fest on 100 Sier				Neat.		3 (Sand) to I (Cement))			
	No		85	Resi To No. 1	Initial	Final	ı dy.	7 d) s.	28 dys.	3 mos.	ı yr.	ı dy	. 7 dys.	28 dys.	3 mos	ı yr.
1903	20	o.K.	3.135	2. I	162	345	307	701	783	827	*	74	214	299	367	
1904	44	O.K.	3.150	2.0	132	342	300	744	848	914	938	86	262	354	401	427

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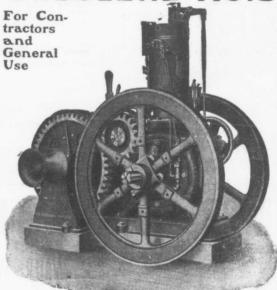
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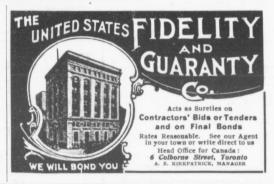
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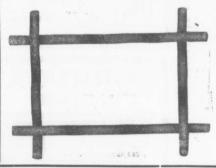
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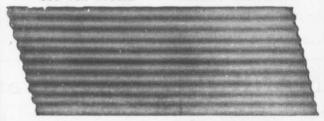
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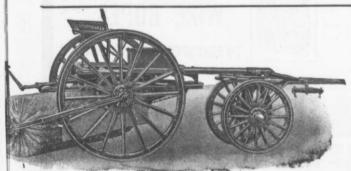
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