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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

PUBLIC WORKS • TENDERS •
ADVANCE INFORMATION •
AND MUNICIPAL PROGRESS

EVERY WEDNESDAY

This paper reaches every week the Town and City Clerks, Town and City Engineers, County Clerks and County Engineers Purchasers of Municipal Debentures and leading Contractors in all lines throughout Canada.

VOL. 10.

APRIL 12, 1899

No. 11.

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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Telephone 2362.
Branch Office:
New York Life Insurance Building, Montreal,
Bell Telephone 2299.

CONTRACTORS RESPECTFULLY IN-
formed that undersigned is prepared to assist in
preparing estimates, any department, carpenter in par-
ticular. W. FRASER, 21 Canton Street, Toronto.

TENDERS WANTED

The Corporation of the City of Nanaimo, B.C.,
invite tenders until the 15TH OF MAY, 1899, for
A STEAM ROAD ROLLER,
twelve or fifteen tons. The lowest or any tender not
necessarily accepted.

S. GOUGH,
City Clerk.

Electric Lighting System TOWN OF GALT

Sealed tenders, addressed to the undersigned, for the
installation, maintenance and operation of an Arc and
Incandescent Lighting System in the Town of Galt,
will be received up to 7:30 p.m. WEDNESDAY,
MAY 3RD, 1899.
A certified cheque for the sum of one thousand
dollars (\$1,000) must accompany each tender.
The lowest or any tender not necessarily accepted.
Specifications and all information will be furnished
upon application to the undersigned.

J. H. SCOTT,
Chairman Market, Fire and Light Committee,
Galt, Ont.

TENDERS For the Installation of a SYSTEM OF ARC LIGHTING

Sealed tenders, addressed to the Chairman of the
Fire Water and Light Committee, for the installation
of a System of Arc Lighting, including Steam Plans,
Dynamex, Switchboard, Arc Lamps, Line Material,
etc., will be received at the office of the undersigned up
to 8:30 p.m. on

MONDAY, APRIL 17TH, 1899.

Specifications and forms of tenders may be obtained
at the office of the City Engineer, Winnipeg.
Each tender must be accompanied by an accepted
cheque or cash deposit for the sum called for in the form
of tender supplied, which will be subject to forfeiture in
case of failure on the part of the contractor to enter into
a written contract if called upon to do so. If an ac-
cepted cheque is submitted it must be payable at par in
Winnipeg or be for an amount sufficient to cover ex-
change over the sum called for in the form of tender
supplied.
No tender necessarily accepted.
C. J. BROWN, City Clerk.
City Clerk's Office, Winnipeg, March 21st, 1899.

TO CONTRACTORS

Tenders will be received up to NOON ON WED-
NESDAY, THE 19TH INST., for the Brick, Carpen-
ter and Joiners, Iron, Plaster, Painting and Roofing
Works in connection with the erection of a

LARGE RESTAURANT BUILDING,

and including certain alterations and additions on 27,
29, 31 and 33 King Street West, Toronto, for George
S. McConkey.

Plans and specifications can be seen and all informa-
tion obtained at my offices. Tenders will be received
by the undersigned.

E. J. LENNOX, Architect.

TO BUILDERS AND OTHERS

Tenders will be received by the undersigned until
noon on SATURDAY, THE 15TH INST., for all the

OLD BUILDINGS

at present occupying the lot on the northwest corner of
Queen and Terauley streets. Tenders will be re-
quired to take down and remove the whole of the old
buildings, "including all debris in connection with
same," from off or about the premises, and to state in
their tenders what length of time they will require to
execute this work. For all other information apply at
the offices of the undersigned. The lowest or any
tender not necessarily accepted.

E. J. LENNOX, Architect.

TO EXCAVATORS

Tenders will be received by the undersigned until
FRIDAY, THE 14TH INST., for the necessary
EXCAVATION WORK required in connection with
the erection of a large Office Building on the north-
west corner of Queen and Terauley Streets, for
Alexander Manning, Esq.

Tenderers will be required to state in their tender
what they will do the necessary work of excavations at
"per cubic yard," including removing all earth and
debris from off or about the premises.

For all other information apply at the offices of the
undersigned. The lowest or any tender not neces-
sarily accepted.

E. J. LENNOX, Architect.



TENDERS FOR GENERAL SUPPLIES

Tenders will be received, by registered post only, ad-
dressed to the Chairman of the Board of Control, To-
ronto, up to noon on

Monday, April 24th, 1899,

FOR

Laying and Jointing Water Pipes

for the year ending December 31st, 1899.

Contents of envelopes containing tenders must be
plainly marked on the outside.

Specifications may be seen, and forms of tender
obtained, at the office of the City Engineer, Toronto.

A marked cheque payable to the order of the City
Treasurer, Toronto, for 5 per cent of the amount ten-
dered for up to \$1,000, and 2½ per cent of the amount
over that sum, must accompany each and every tender,
otherwise it will be ruled out as informal.

The lowest or any tender not necessarily accepted.

JOHN SHAW (Mayor),
Chairman Board of Control.

Toronto, April 2, 1899.

TENDERS

Will be received until 5 p.m. on MONDAY, APRIL
17TH, for the various works required in putting on an

Additional Storey to Two Warehouses
on Front Street West, Toronto. The lowest or any
tender will not necessarily be accepted.

GORDON & HELLIWELL, Architects,
Confederation Life Building, Toronto

TENDERS

Tenders will be received up to 4 p.m. of FRIDAY,
THE 15TH INST., for the following trades: Structural
Steel, Mason, Plastering and Staff, and Carpenter and
Joiner Works required in the erection of

ST. GEORGE CATHEDRAL, KINGSTON

The lowest or any tender not necessarily accepted.

POWER & SON, Architects,
Merchants' Bank Chambers.

Kingston, April 10th, 1899.



NEW MUNICIPAL BUILDINGS

Tenders will be received, by registered post only,
addressed to the Chairman of the Board of Control,
City Hall, Toronto, up to noon on

Monday, the 24th Instant,

for each of the following works and services in connec-
tion with the above-mentioned buildings:

1. Electric Light Plant.
2. Ventilating Galvanized Iron Duct Flues in
Roof.
3. Sprinkling System for Protection Against
Fire.
4. Fire Hose, Racks, Nozzles, etc.
5. Carpentering, Plastering and Electric Wire
Conduit and Gas Piping Work on third floor.
6. Opaque Linen Blinds.
7. Tower Clock and System of Clocks for interior
of buildings.
8. Twenty or More Fire Extinguishers, includ-
ing Brackets and Fixing. (Parties tendering for
these Extinguishers will be required to subject
their machines to such test as the Board of Control
may direct.)

Plans, specifications and forms of contract may be
seen, and forms of tender and all information obtained,
upon application at the office of E. J. Lennox, Archi-
tect, corner of King and Yonge Streets, Toronto, on
and after Thursday, the 13th instant.

Tenders must be marked on the outside so as to show
plainly for which of the above mentioned works they
are put in. Each and every tender must be on the form
supplied by the Architect, and be accompanied by a
marked cheque equal to 2½ per cent. of the amount of
the tender.

Tenders must also bear the bona fide signatures of
the party tendering and his sureties, and must comply
in every particular with the terms of this advertisement
and the specifications.

Should any person or persons whose tender is accept-
ed fail to execute the necessary contract and give
security satisfactory to the City Treasurer for the due
fulfilment thereof, his or their deposit will be forfeited
to the city. The deposits of unsuccessful tenderers will
be returned.

The lowest or any tender not necessarily accepted.

JOHN SHAW (Mayor),
Chairman Board of Control.

Toronto, April 10th, 1899.

TENDERS

Will be received by the undersigned up to noon of THURSDAY, THE 10th DAY OF APRIL, for certain Remodelling and Erection of a Residence for Dr. Dryden. Any tender not necessarily accepted.
W. FRYE COLWILL, Architect,
McDonnell Street, Guelph.

Notice to Contractors**TENDERS WANTED**

Whole or separate tenders will be received by the undersigned up to 20th APRIL NEXT for the erection of a Two Storey

FOUR ROOM BRICK SCHOOL HOUSE

in the Village of Tara. The lowest or any tender not necessarily accepted.

Plans and specifications may be seen at the office of W. E. Blinning Architect, Listowel or the undersigned
J. D. TOBEY,
Tara, Ont.

Notice to Contractors

Tenders will be received by the undersigned up to 11 a.m. of TUESDAY, APRIL 25th, 1899, for the construction of

Two Stone Abutments for Steel Bridge

over the Humber River at Rountree's Mill, on the Vaughan Road, in the County of York.

Plans and specifications may be seen and all necessary information obtained at the office of the undersigned, Court House, Toronto

Separate tenders for the Temporary Crossing alone may be submitted.

The lowest or any tender will not necessarily be accepted.

(By order), JAS. McDUGALL,
County Engineer.

Court House, Toronto, April 6th, 1899.

**Notice to Contractors****Eastern Avenue Bridge—Concrete Abutments.**

Tenders will be received, by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to noon on MONDAY, APRIL 24th, 1899, for the following works:

- (1) Putting in False Work and taking down the present Eastern Avenue Bridge and pile supports.
- (2) The supply and erection of new Concrete and Stone Abutments.

Contents of envelopes containing tenders must be plainly marked on outside.

Specifications and drawings may be seen and forms of tender obtained at the office of the City Engineer, Toronto.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 2½ per cent. on the value of the work tendered for, must accompany each and every tender, otherwise they will not be entertained.

Tenders must bear the bona fide signatures of the contractor and his sureties, or they will be ruled out as inf. rmal.

The lowest or any tender not necessarily accepted.

JOHN SHAW (Mayor),
Chairman Board of Control.

City Hall, Toronto, April 5, 1899.

CONTRACTS OPEN.

CARLETON PLACE, ONT.—Findlay Bros. purpose enlarging their foundry.

MILTON, ONT.—The council is considering the purchase of a complete outfit of road-making machinery.

LEITHBRIDGE, N. W. T.—The ratepayers have carried a by-law to raise \$30,000 for irrigation purposes.

TREESBANK, MAN.—An English church and a C. P. R. depot are likely to be built here in the near future.

SHERBROOKE, QUE.—The Road Committee has recommended the purchase of a new boiler for the steam drill.

THOROLD, ONT.—The council will probably issue debentures for \$10,000 to bonus the Ontario Silver Works.

KINGSTON, ONT.—Mr. Newlands, architect, is preparing plans for a new hotel to be built on the British-American site.

ST. JOHN, N. B.—H. H. Mott, architect, is preparing plans for a brick and stone double dwelling for D. S. Price.

ELMSDALE, N. S.—The Presbyterian congregation are inviting tenders for remodelling and enlarging their church.

CALGARY, N. W. T.—The council will submit a by-law to raise \$90,000 by debentures to install a waterworks system.

PORT ARTHUR, ONT.—The directors of the Molsons Bank intend fitting up premises here for the purposes of a branch.

GREENWOOD, B. C.—The corporation is calling for tenders for the construction of a water tank of 200,000 gallons capacity.

GRAND FORKS, B. C.—Commodore Biden has completed negotiations for the erection of a business block on Winnipeg ave.

PORTAGE DU FORT, QUE.—A deputation has requested the Dominion government to grant financial aid towards the construction of a steel bridge over the Ottawa river at this place.

OUTREMONT, QUE.—The ratepayers have voted down the by-law to borrow \$50,000 for drainage and street improvements.

GRENVILLE, QUE.—Rev. Father Gascon is about to erect a new chapel in the township of Harrington, Argenteuil county.

LEVIS, QUE.—The Presbyterians are arranging to build a new church, to cost \$4,000, towards which G. P. Davie has given \$1,000.

WINNIPESOTA MILLS, QUE.—The Canada Paper Co. contemplate repairing their mill this season, including new shafting and new roof.

CHATHAM, ONT.—Mrs. Garner has accepted the plans of Powell & Carswell, architects, for a new building on the Royal Exchange site.

WALLACEBURG, ONT.—The Wallaceburg Electric Co. are having plans prepared for commodious bath houses to be built on their property.

WOODSTOCK, ONT.—It is improbable that the by-law to provide funds for building a fire-hall will be submitted to the ratepayers before June.

WESTPORT, ONT.—The erection of a new school, to cost \$6,000, has been decided upon, and tenders for same will be invited immediately.

THORNBURY, ONT.—The council has been asked by property holders to construct granolithic sidewalks in the business portion of the town.

AVR, ONT.—Tenders are invited by Philip Kelley up to 25th inst. for erection of two-storey brick house, from plans prepared by John Kay, architect, Paris.

MILE END, QUE.—Alcide Chausse, architect, of Montreal, has been instructed by G. Duchame to prepare plans for a piano factory to be erected in this town.

WELLAND, ONT.—N. McAuliff purposes erecting a residence, work to commence in May.—Peter McKinley wants tenders for the erection of a dwelling house.

TORONTO JUNCTION, ONT.—The street superintendent will report to council as to the cost of paving Dundas street, from Union street to Pacific avenue, with bricks.

PIPESTONE, MAN.—School building, to cost \$2,000, will be built this summer; hot air heating; plans now being prepared. W. H. Shillinglaw, architect, Brandon.

HINTONBURG, ONT.—Tenders are being invited for the construction of the waterworks tank.—B. McGregor, Robert Burnett and B. Scobie will each erect new buildings.

DIGBY, N.S.—The Bank of Nova Scotia will build on the corner of Water and Sydney streets.—T. C. Shrieve erect a large building, containing stores and offices.

BALDUR, MAN.—W. O. Fowler and E. Poole will each build brick residence to cost \$2,000 each.—Alex. Fowler will build a brick and stone block, 52 x 60 to cost \$6,000.

RIDGETOWN, ONT.—The trustees of S. No. 13 have selected a site for a school building. The Howard council will issue \$3,000 of debentures to cover the cost of same.

VALLEYFIELD, QUE.—Alcide Chausse, architect, of Montreal, is preparing plans for the printing house of the "Progres Valleyfield" and several dwellings. Mr. Chas. T. Verner.

WAWANESSA, MAN.—It is proposed I.C.O.F., Wawanessa Lodge, to erect society building, with public hall, 1 storey and basement, 34 x 62 ft., hot heating, to cost about \$5,000. W. Shillinglaw, architect, Brandon, will prepare plans.

BALDUR, MAN.—Alex. Fowler will build two storey and basement brick store, 52 x 60 ft., cost \$6,000; hot heating, etc. W. H. Shillinglaw, architect, Brandon, has plans.

ARNPRIOR, ONT.—The report of the waterworks commissioners, presented last week, favors the putting in of a waterworks and sewerage system, at an estimated cost of \$70,000.

NEWDALE, MAN.—Harrison school district will erect a new school house this village.—W. J. Maybury will buy an implement warehouse and Hopper Fanning a hardware store.

WINNIPEG, MAN.—The by-law authorizing the council to install a municipal electric light plant was carried by the ratepayers on Thursday last.—The Y.C.A. will shortly invite tenders for the new building.

BELLEVILLE, ONT.—It is probable that the Mitchell-Abbott Rolling Mills Co. will invite tenders on Saturday next for the erection of the rolling mills and spin factory. Henry Pringle is treasurer of the company.

NEW WESTMINSTER, B.C.—Capt. Cameron will likely build a residence on Carnarvon street.—The Vernon & Nelson Telephone Co. and the New Westminster and Burrard Inlet Telephone Co. will improve their services and put in new instruments.

TRURO, N. S.—The corporation desire proposals by 25th inst. for the purchase of \$51,200 of debentures. Address W. McCollum, town clerk.—Several members of the local legislature were here last week inspecting the site for the proposed School of Science.

SMITH'S FALLS, ONT.—Mr. Willis Chipman, C.E., will likely be engaged to prepare plans of waterworks and sewerage systems.—The town will undertake the construction of several granolithic sidewalks.—J. M. Clark will erect a brick block of seven stores.

FORT WILLIAM, ONT.—E. A. Morton, secretary School Board, invites competitive plans for a two-roomed brick school house. A commission of 2½ per cent. will be paid for the accepted plan and a further fee of 2½ per cent. supervision is supplied.

HALIFAX, N.S.—The Dominion government is now inviting tenders for fitting up the drill shed in this city.—Plans are wanted by May 31st for a building for the Halifax Infants' Home. Prizes of \$50 and \$25 are offered. Particulars from J. C. McIntosh, Hollis street.

LINDSAY, ONT.—It is said that Robert Beall has decided to establish in this town a large tannery and leather manufactory.—A. J. Culverwell, the promoter of the

Arleuch Falls power scheme, states that arrangements have been made to call for tenders at once for the construction of the concrete dam and power house at Perry's bridge.

VICTORIA, B.C.—The Prince of Wales Hotel, corner Government and Cormorant streets, will be replaced by a two-storey brick structure, for which John Teague is preparing plans.—Plans have been completed by F. M. Rattenbury, architect, for proposed alterations to the court house, for which the legislature voted \$2,000.

ALMONTE, ONT.—The corporation has appointed a committee of the council to report as to the cost of installing a civic electric lighting system for both street and commercial lighting. The intention is either to buy out the existing company's plant at a valuation and to extend the system by making an addition to the plant, or to put in an entirely new plant.

WATERLOO, ONT.—The by-law to raise \$5,000 for waterworks purposes has received the sanction of the ratepayers. \$3,000 will be spent in purchasing the waterworks from a private company, and the balance in improving the plant, including the erection of a standpipe.—The Ontario Mutual Life Insurance Association intend to expend about \$10,000 in improving and enlarging their head office.

LACHINE, QUE.—A residence will be erected on Brewster street for P. L. Donoughue, for which plans have been prepared by Alcide Chausse, architect, of Montreal.—The Silver Boot and Shoe Manufacturing Co. and the Roland Bros. Furniture Manufacturing Co. have asked licenses from the town. The former company agrees to spend \$50,000 and the latter \$25,000 in the erection of buildings for the plant.

GUELPH, ONT.—G. R. Bruce, architect, has prepared plans for improvements and additions to the hotel of Charles Schmuck. Additional baths and improvements in plumbing will be put in and the interior renovated.—John R. Robinson has been commissioned to prepare plans for a brick residence to be built by John Porter, of Puslinch.—The city will likely issue debentures to pay for local improvements done last year.

LONDON, ONT.—It is reported that the Elmuth Ladies' College has been sold to a Chicago company, who will convert it into a hospital for consumptives.—The following building permits have been granted: J. P. Armstrong, two storey brick veneer house, north side Princess street, cost \$1,000; F. R. Lloyd, two one and one-half storeys brick veneer cottages, Stumseh ave., cost \$800 each; John Cary, one and one-half storey brick veneer residence, corner Hamilton road and Redan street, cost \$1,000.

HAMILTON, ONT.—Of the \$8,000 asked for improving the Central church, \$7,700 has been subscribed.—R. E. Hillman has finished the survey to Morrison of the proposed electric railway from this city to Guelph.—The city engineer has recommended that water mains be laid on the following streets: Wellington, from Main to Maria; King, from King William to Barton; Barton, from Mary to Wellington.—A deputation will go to Ottawa this week to urge the government to improve the harbor here. The city engineer estimates the cost of the improvements at \$50,000.—It is said that the Hamilton Glass Furnace Co. and the Ontario Glass Mills Co. will be amalgamated, and that the new concern will establish a glass plant.—The following building permits were issued last week: W. A. Edwards, alterations to dwelling, corner Bay and Markland streets, for Mrs. F. S. Maloney, cost \$1,000; Robert Clohovec, alterations to St. Mary's Cathedral, cost \$2,000, and for moulding shop for Brown, Rogers & Co., cost \$1,400.

OTTAWA, ONT.—E. F. E. Roy, secretary Department of Public Works, invites tenders until Friday, 21st inst., for fittings required for the drill hall at Halifax, N. S. Plans at above department and at office of C. E. W. Dodwell, Halifax.—George Tucker intends building a brick house on McLaren street.—A deputation had an interview with the Minister of Public Works last week regarding the completion of the Trent Valley canal. It is estimated that \$3,000,000 will be required to make a navigable water way from Midland to Trent.—The city engineer has prepared plans for a subway at the C. P. R. crossing on Banks street.—The Ottawa & New York Railway Co. will very shortly commence the erection of their car shops in Ottawa East. The buildings will consist of a roundhouse, car sheds and general repair shops.—It has been decided to build a new R.C. church in the southern portion of the city, to be of stone, and to cost \$20,000. The Separate School authorities have also decided to build a school in the same locality.—Day labor will be employed in the erection of the new Anglican church, corner of Theodore and Chapel streets. The structure will cost \$15,000.—Half of the old Bronson & Weston mill is being torn down, to make room for the new carbide factory, which will be built of stone, and the foundation 15 feet below the present ground level.

MONTREAL, QUE.—The Prescott Elevator Co., through its vice-president, Mr. Wm. Scott, has made application to the Harbor Commissioners for a site upon which to erect a grain elevator.—At the annual meeting of the Canadian Pacific Railway Co., held last week, the directors authorized the expenditure of over \$3,000,000 during the current year upon improvements and extensions, as follows: Improvements of permanent way, \$1,150,979; for additional station, yard and terminal facilities at Montreal, Vancouver and other points, \$788,187; for the completion of air brake and automatic coupler equipment, \$305,010; for branch lines to mines in connection with the Crow's Nest Pass line, \$300,000, and rolling stock, \$1,000,000, as the traffic of the company may require.—A. T. Taylor, architect, is preparing plans for alterations and improvements to the central portion of the McGill Medical building. The work, which will cost \$25,000, will be undertaken during the summer vacation.—Arrangements have been made for a considerable extension of the Windsor station. The accommodation will be more than doubled, and the frontage on Osborne street increased to 175 ft. An additional storey will also be added.—Lieut. Col. Hughes, superintendent of the Police Department, points out the necessity of erecting a new building for the department.—Alcide Chausse, architect, is preparing plans for a theatre to be erected at corner St. Catherine and Papineau streets for Oswald Chaput, to be 57 x 107 feet, with pressed brick front, large stage and hall, and seating capacity of 2000; building to be commenced in a few days and to be completed by September 1st.—J. Cooke, architect, is preparing plans for a double tenement house on Columbia ave. for W. Creed; four houses on Dorchester street for D. Durling; additions to residence, University street, for W. G. Ross, and for seven houses on Sherbrooke street.—Alpn. Dubreuil, architect, will receive tenders next week for a presbytery at Rigaud.—The Gall, Schneider Oil Co. invite tenders up to May 10th for the construction of four steel oil tanks of a total capacity of 1,000,000 gallons.—A four storey building on Commissioners street, occupied by F. Benoit & Son, collapsed on Monday last; loss \$20,000.

TORONTO, ONT.—E. J. Lennox, architect, invites tenders up to noon on Wednesday, 19th inst., for the brick, carpenter, iron, plaster, painting and roofing works

in connection with the erection of a large restaurant building on King street west for George S. McConkey. The structure will be 400 feet long and four storeys high, and will be equipped with the most modern appointments, including passenger elevators, toilet and check rooms, Mycenaean marble columns, etc. Same architect wants tenders by Friday of this week for the excavation work required for a large office building to be built on the north-west corner of Queen and Terauley streets for Alexander Manning. This building will be five stories, brick and stone, with modern elevators and vaults, and will contain about 60 offices.—Symons & Rae, architects, invite tenders up to 5 p.m. of Thursday for carpenter work, painting and glazing, plastering, roofing and galvanized iron work of warehouses on King street east for the Henry Kent Estate.—The Consumers' Syndicate of New York is being organized, with a capital of \$500,000, to erect slaughter houses near this city. Refrigerators will also be built at Kingston, Ottawa, Montreal and Quebec.—Chadwick & Beckett, architects, have prepared plans for an Art building to be built by the Women's Art Association.—The Langmuir Manufacturing Co. have announced their intention to rebuild their trunk factory immediately.—The City Engineer has been requested to report as to the probable cost of a wooden foot bridge over the railway tracks at foot of Yonge street.—F. H. Herbert, architect, is negotiating with Buffalo capitalists for the erection of a bachelors' house, 140 x 90 feet, on Jarvis street.—The directors of the Working Boys' Home have decided to purchase the McGee property, situated at the south-west corner of Church and Gould streets, as a permanent home. The interior of the building will likely be remodelled.—The Medical Health Officer has reported that the accommodation at the Isolation hospital is insufficient, and the Board of Health will recommend the council to raise \$20,000 by debentures to enlarge the building.—The City Commissioner has prepared specifications for four shelters, two to be built on Centre Island, one on the lake front near the Woodbine, and one on the lake front near High Park.—A two-storey addition will be built to the College street fire hall.—In his fortnightly report presented to the Board of Works last week, the City Engineer recommends that the Toronto Railway Company be required to extend the Bloor street tracks from Landsdowne avenue to Dundas street, and to pave the track allowance with brick and concrete, at a cost of \$9,500. Pavements are recommended as follows: Asphalt—Prince Arthur ave., Huron to St. George, cost \$2,980; Bay street, Front to Esplanade, cost \$4,550. Brick—Orde street, Murray to University ave., cost \$1,180; Concord ave., Bloor street to Hepburn ave., cost \$5,130; Huron street, Grange ave. to St. Patrick street, cost \$2,250; Elm ave., Sherbourne to Glen road, cost \$3,720. Cedar block—West Adelaide, Bay to York streets, cost \$2,270. Macadam—Sword street, Gerrard to Spruce, cost \$1,059; Maple ave., Sherbourne to Glen road, cost \$3,620; Elm ave., Glen road to Nanton crescent, cost \$4,440.—Building permits have been granted as follows: Polson Iron Works Co., addition to factory on Esplanade, cost \$2,200; Gerhard Heintzman Co., four-storey addition to piano factory, Sherbourne street, cost \$14,000.—The Standard Mica Co., of Toronto, Limited, has been incorporated, with a capital of \$90,000. The members are C. M. Clark, H. A. Clark, Ewan Mackenzie and E. W. Klotz, of Toronto, and E. I. Sifton, of London.—Mr. H. Sproatt, architect, Bank of Commerce Building, is preparing the plans for the new offices and factory buildings which the Sunlight Soap Co. propose to erect in Toronto if satisfactory terms as to site are granted by the city authorities.

These buildings are designed to occupy a site about 600 x 1000 feet in size. They will be built of stone, brick, and iron, the latter material forming the framework and roof supports.—At a meeting of the Toronto Presbytery held last week, the congregation of Brown's Corners were given permission to build a new church.—The Davenport Methodist church congregation are considering the advisability of putting a gallery in the church.—Tenders will be called next week by F. H. Herbert, architect, for a new detached residence and for remodelling entirely the present old building known as the "Met calf" property, Bloor street west, which has recently been purchased by R. C. Clute, Q.C. Mr. Herbert has also prepared plans, and is asking tenders, for the excavating only, for the stores, dwellings

and candy factory to be erected, corner Queen and McCaul streets, by John Patterson, at a cost of about \$20,000.—B. & H. B. Kent, 144 Yonge street, will make improvements to the rear of their premises, which will include a two storey and basement addition, new watchmakers' and jewellers' rooms and new optical room. F. H. Herbert, architect, has prepared the plans.—C. A. Dimmick will call for

tenders next week, through the office of F. H. Herbert, for a pair of semi-detached residences on Bedford Road

CONTRACTS AWARDED.

CHATHAM, ONT.—The county has awarded the contract for Moravian bridge abutment to John Elliott, of St. Marys, at the price of \$12,599

(Continued on page 6)

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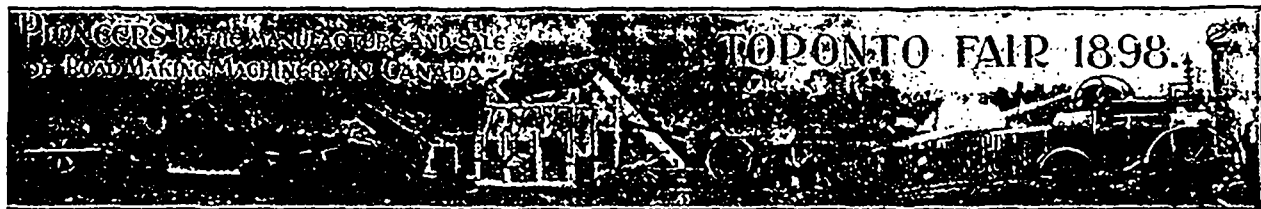
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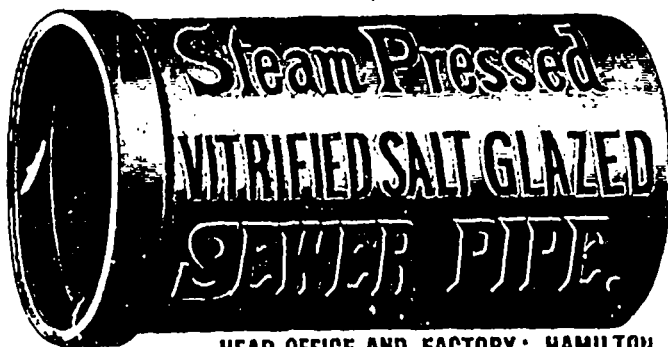
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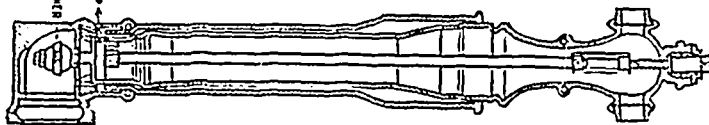
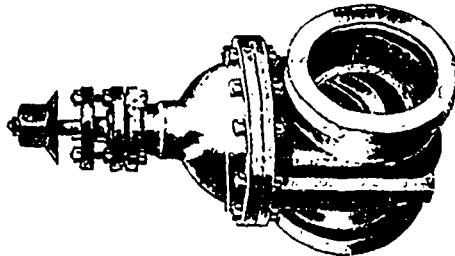
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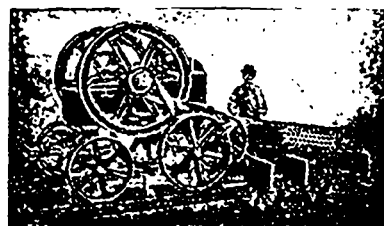
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OTTAWA, ONT.—Addition to Rideau street convent: John O'Connor, contractor. Work will commence in June.

SHELburne, ONT.—New school building: Jerrett & Son, of Alliston, contractors; price, \$6,640. The system of heating has not yet been decided upon.

BRANDON, MAN.—W. H. Finlay has let contracts for hot air frame residence, cost \$2,000. Hot air heating and plumbing, Geo. Shirrett, contractor; W. H. Shillinglaw, architect.

MONTREAL, QUE.—Arthur J Cooke, architect, has awarded contract for addition to summer cottage at Woodlands for W. G. Ross to Leduc & Fortier, Beauharnois. He has also awarded contract for conversion of residence, cor. Prince Arthur and St. Dominique streets, into a store, for W. F. Lighthall, to D. Long.

MAISONNEUVE, QUE.—Alcide Chausse, architect, of Montreal, has let the following contracts for a cottage to be erected here for M. S. Ecrement: Mason work, G. Guillault; carpentry, A. Tetrault; brickwork, John Bombray; plastering, F. X. Charbonneau; plumbing, heating and roofing, J. Sicard; painting and glazing, Ernest Belanger.

ST. JOHN, N.B.—Warehouse for James Robertson Co. (H. H. Mott, architect): S. Drury, contractor.—In the CONTRACT RECORD of March 22nd, it was stated that T. Campbell had been awarded the contract for plumbing in connection with a building, corner Peter and Waterloo streets, of which H. H. Mott is architect. This should have read P. Campbell & Co.

ST. THOMAS, ONT.—Below is a list of the successful tenderers for court house fittings: The Canadian Office & School Furniture Co., of Preston, awarded special woodwork of court room and offices, Office Specialty Mfg. Co., of Toronto, vault fittings and office cabinets, etc.; McDonald & Wilson, Toronto, combination gas and electric fixtures; James Acheson, of St. Thomas, hardware, etc.; total cost about \$5,500.

PRESCOTT, ONT.—At a meeting of the Board of Water Commissioners held on Saturday last, the contract for sections one, two and five of the combined waterworks and sewerage systems, as per amended plans, was awarded to Clarke & Connolly, of Toronto, at \$87,590, and sections three, five and six to Kaney, Selby & Co., of Kingston, at \$9,600. The waterworks will be a direct pumping system, with storage tank for domestic use. Galt & Speakman, Toronto, are consulting engineers.

TORONTO, ONT.—Contracts have been awarded by F. H. Herbert, architect, as follows. Pair of semi detached residences on Classic avenue for L. G. Christie: Brickwork, R. Chalkley; carpenter work, P. Curtis; plastering, C. B. Simpson; plumbing, E. Burroughes; painting, Stewart Hughes & Co; galvanized iron, Wheeler & Bain. New detached residence, Lowther ave., for Ambrose Kent: Brickwork, Davidge & Lunn; carpenter work, Young & Co; plastering, C. B. Simpson; painting, H. W. Johnston; galvanized iron, A. B. Ormsby & Co; roofing, R. Rennie & Son; plumbing and heating, The Bennett & Wright Co.

SEWERAGE SYSTEMS OF ONTARIO.
By WILLIS CHIPMAN, C.E.

The following tabular statement gives the extent and cost of the sewerage systems of the province, excluding those of the cities of Toronto, Ottawa, Hamilton, London and Kingston:

	Population.	Miles Sewers.	System.	Approximate Cost.
Barrie.....	6,000	8½	Separate	\$ 27,000
Belleville.....	10,000	5	S. & C.	65,000
Berlin.....	9,500	10	Separate	69,000
Brantford.....	17,000	14	Separate	134,000
Brockville.....	9,000	11	Separate	121,000
Chatham.....	10,000	18	Combined	95,000
Cornwall.....	7,000	7	C. & S.	55,000
Goderich.....	4,000	4½	Separate	19,000
Niagara Falls....	5,000	11½	Separate	105,000
Owen Sound.....	8,000	7½	Combined	48,000
Peterborough.....	11,000	7½	Separate	70,000
Petrolia.....	6,000	6	Combined	45,000
Renfrew.....	3,000	4	Separate	20,000
St. Catharines....	10,000	6	Combined	70,000
St. Thomas.....	11,000	46	Combined	150,000
Sarnia.....	8,000	7	Combined	26,000
Sudbury.....	1,400	1½	Separate	10,000
Stratford.....	10,500	8½	S. & C.	70,000
Toronto Junction	5,000	11	Separate	120,000
Walkerville.....	2,500	4½	Combined	50,000
Waterloo.....	3,000	3½	Separate	20,000
Welland.....	2,500	1½	Combined	7,200
Windsor.....	12,000	21	Combined	280,000
Woodstock.....	9,000	11½	Separate	50,000

plumbing work and the laying of house sewers are done according to stringent rules and regulations under the city or town engineer's inspection, and full records kept of all such work. These are undoubtedly the best sewer systems in Ontario, not excepting the five largest

Engineers.
Chipman, Ardagh
Neilson, McDougall
Bowman, Chipman*
Chipman, Jones, T. II.
Chipman.
McDonell, McGeorge, Topp.
Chipman, Wiggins, Brown.
McDougall, † Brough.
Mitchell, Chipman. †
Kennedy, McDowell.
McDougall, Belcher.
Jones, J. II.
Chipman.
Gardiner, Reynolds, Roberts.
Bell, Campbell.
Jones, J. II.
Gordon, Rorke.
McDougall, VanBuskirk.
Chipman.
DeGurse.
Bowman, Chipman*.
Ross.
DeGurse.
Davis.

In those places where the separate system has been adopted, the sewers are modern in design, and have been constructed during the last ten years under the supervision of competent engineers.

In some places the sewers have been built street by street and year by year without reference to any general plan or system, and occasionally without the advice or assistance of an experienced engineer. In some few places a large amount has been expended, but to the present time they have few, if any, proper sanitary sewers.

Class A.—Barrie, Berlin, Brantford, Brockville, Niagara Falls, Renfrew, Toronto Junction, Waterloo.

Class B.—Cornwall, Goderich, Peterborough, Owen Sound, Sarnia, Sudbury, Walkerville, Windsor.

Class C.—Belleville, Chatham, Petrolia, St. Catharines, St. Thomas, Stratford, Welland, Woodstock.

In Class A have been included those places in which the majority of the citizens are now served with well built, properly designed sanitary sewers; and where all

cities of the province. Drains of wood and stone are excluded from these systems.

In Class B some of the places have almost complete sanitary systems, but they have no regulations or rules whatever governing plumbing, and no complete records are kept of the work done. The other places in this class have partial systems now built, covering the majority of the streets, but the plumbing by-laws are very imperfect.

In Class C have been placed: (a) Those places that have constructed a very few sewers or a main sewer, but in which the great majority of the streets have at present no proper sanitary sewers. The work done has been of a modern character, but only a commencement has been made towards a first-class sewer-system. (b) Those places in which a large part of the expenditure represents the cost of box drains and sewers that cannot or should not be used for sewage purposes. It must not be inferred, however, that all of the places in class C are not, on the whole, as well sewered as those in class B.—Canadian Engineer.

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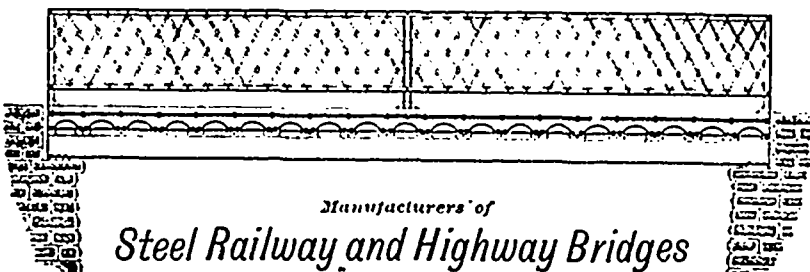
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	\$	\$	\$	\$
Mill cut boards and scantling 9 00	10 00	10 00	12 00	
Shipping cull boards, pro-				
miscuous widths.....	12 00	13 00	13 00	
Shipping cull boards, stocks	15 00	16 00	16 00	
Hemlock scantling and joist				
up to 16 ft.....	10 00	12 00	10 00	
Hemlock scantling and joist				
up to 18 ft.....	11 00	13 00	13 00	
Hemlock scantling and joist				
up to 20 ft.....	12 00	13 00	14 00	
Cedar for paving, per cord....	5 00	5 00		
Cedar for kerbing, 4 x 14,				
per M.....	14 00	14 00		
Scantling and joist, up to 16 ft	14 00	14 00		
" " " " 18 ft	15 00	16 00		
" " " " 20 ft	16 00	16 00		
scantling and joist, up to 22 ft	17 00	17 00		
" " " " 24 ft	19 00	19 00		
" " " " 26 ft	20 00	21 00		
" " " " 28 ft	22 00	23 00		
" " " " 30 ft	24 00	25 00		
" " " " 32 ft	27 00	27 00		
" " " " 34 ft	29 50	29 50		
" " " " 36 ft	31 00	31 00		
" " " " 38 ft	33 00	33 00		
" " " " 44 ft	36 00	36 00		
cutting up planks, 1/2 and				
thicker, dry.....	25 00	28 00	25 00	30 00
H. M.				
1 1/2 in. flooring, dressed, F. M.	24 00	28 00	28 00	31 00
1 1/2 inch flooring, rough, B. M.	18 00	22 00	18 00	22 00
1 1/2 " " dressed, F. M.	25 00	28 00	27 00	30 00
1 1/4 " " undressed, B. M.	18 00	19 00	18 00	19 00
1 " " dressed.....	18 00	20 00	18 00	22 00
1 " " undressed.....	12 00	15 00	12 00	15 00
Jeaded sheeting, dressed.....	20 00	25 00	22 00	35 00
Clapboarding, dressed.....	14 00	8 00	14 00	12 00
XXX sawn shingles, per M				
16 in.....	2 40	2 35		3 00
XX sawn shingles.....	1 60	1 50		
sawnlath, No. 1.....	1 75	2 00	2 50	2 60
Cedar.....		2 90		2 00
Red oak.....	30 00	40 00	30 00	40 00
White.....	37 00	45 00	35 00	55 00
Basswood, No. 1 and 2.....	28 00	30 00	18 00	20 00
Cherry, No. 1 and 2.....	70 00	90 00	70 00	80 00
White ash, No. 1 and 2.....	24 00	35 00	30 00	35 00

(Continued on Page 8.)

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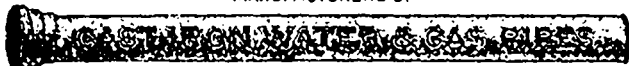
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(Continued.)

Toronto. Montreal.

LUMBER.

Table with columns for material types (Black Ash, Dressing stocks, Picks, etc.) and prices for Toronto and Montreal.

BRICK—W M

Table listing brick types (Common Walling, Good Facing, Sewer) and their prices.

PRESSED BRICK, PER M.

Table listing pressed brick types (Red, Buff, Sewer, Hard building) and their prices.

F. O. B. DON VALLEY.

Table listing various stone and tile types (Re 1, Red B, Reu C, etc.) and their prices.

F. O. B. BEAMSVILLE.

Table listing various stone and tile types (Pierles Facing, Red No., Buff, etc.) and their prices.

SAND.

Table listing sand types and their prices.

STONE.

Table listing various stone types (Common Rubble, Large flat Rubble, Foundation Blocks, etc.) and their prices.

OHIO FREESTONE.

Table listing Ohio freestone types (No. 1 Buff Promiscuous, No. 1 Buff Dimension, etc.) and their prices.

CREDIT VALLEY STONE.

Table listing Credit Valley stone types (Rubble, Brown Coursing, etc.) and their prices.

LONGFORD STONE.

Table listing Longford stone types (Rubble, Ashlar, Kent Free stone Quarries, etc.) and their prices.

Architects.

Table listing architects and their contact information.

Architectural Sculptors and Carvers.

Table listing architectural sculptors and carvers.

Architectural Iron Work.

Table listing architectural iron work companies.

Art Woodwork.

Table listing art woodwork companies.

Ariata's Materials.

Table listing Ariata's materials.

Boiler Covering.

Table listing boiler covering companies.

Builders' Supplies.

Table listing builders' supplies.

Building Stone Dealers.

Table listing building stone dealers.

Builders' Hardware.

Table listing builders' hardware.

Cements.

Table listing cements.

Contractors' Plant and Machinery.

Table listing contractors' plant and machinery.

Church and School Furniture.

Table listing church and school furniture.

Paints.

Table listing various paint types and their prices.

PAINTS. (In oil, lb)

Table listing paint types in oil and their prices.

CEMENT, LIMK, etc.

Table listing cement and lime types and their prices.

Oreosote Stains.

Table listing oreosote stains.

Drain Pipe.

Table listing drain pipe.

Elevators.

Table listing elevators.

Electrical Apparatus.

Table listing electrical apparatus.

Fire Brick and Clay.

Table listing fire brick and clay.

Folding Partitions.

Table listing folding partitions.

Galvanized Iron Workers.

Table listing galvanized iron workers.

Grilles and Rattings.

Table listing grilles and rattings.

Heating.

Table listing heating equipment.

Interior Decoration.

Table listing interior decoration.

Lime.

Table listing lime.

Lighting Supplies.

Table listing lighting supplies.

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Table listing luxfer prisms.

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Table listing legal services.

Mantles, Grates, and Tiles.

Table listing mantles, grates, and tiles.

Metallic Roofing.

Table listing metallic roofing.

Mortar Colors and Shingle Stains.

Table listing mortar colors and shingle stains.

Ornamental Iron Work.

Table listing ornamental iron work.

Painters.

Table listing painters.

Plasterers.

Table listing plasterers.

Paints and Varnishes.

Table listing paints and varnishes.

Parquetry Floors.

Table listing parquetry floors.

Plate Glass.

Table listing plate glass.

Plumbers.

Table listing plumbers.

Reflectors.

Table listing reflectors.

Reversible Windows.

Table listing reversible windows.

Roofers.

Table listing roofers.

Roofing Materials.

Table listing roofing materials.

Santary Appl.

Table listing sanitary applications.

Stained and Decorative Glass.

Table listing stained and decorative glass.

Soil Pipe.

Table listing soil pipes.

Typewriters.

Table listing typewriters.

Ventilators.

Table listing ventilators.

Wall Plaster.

Table listing wall plaster.

Wire Lathing.

Table listing wire lathing.

Hardware.

The following are the quotations to builders for nails at Toronto and Montreal:

Table listing hardware items like nails and spikes.

IRON PIPE.

Table listing iron pipe types and prices.

LEAD PIPE.

Table listing lead pipe types and prices.

GALVANIZED IRON.

Table listing galvanized iron types and prices.

STEEL BEAM.

Table listing steel beam types and prices.