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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF CONTRACTS

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. 11.

OCTOBER 3, 1900

No. 35.

THE CANADIAN CONTRACT RECORD,
PUBLISHED EVERY WEDNESDAY
As an Intermediate Edition of the "Canadian Architect
and Builder."

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Advertising Rates on application.

Information solicited from any part of
the Dominion regarding contracts open to
tenders.

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publishers of any irregularity in delivery of paper.



DEPARTMENT OF RAILWAYS AND CANALS

Lachine Canal

NOTICE TO CONTRACTORS
EXTENSION OF TIME.

The time for receiving tenders for New Lock, La-
chine Canal, has been extended until Sixteen o'clock
on Tuesday, the 16th October, 1900.

By order,
L. K. JONES,

Secretary.

Department of Railways and Canals,
Ottawa, 25th September, 1900.

Newspapers inserting this advertisement without
authority from the Department will not be paid for it.

NOTICE TO CONTRACTORS

Sealed proposals will be received up to 10 o'clock,
a.m., of OCTOBER 20th, 1900, by the Township of
Finch, for the construction of a

SEWER

in the Village of South Finch, in the County of Stor-
mont.

The work will consist of approximately six hundred
and sixty-eight cubic yards of Rock Excavation, one
thousand, one hundred and five cubic yards of Earth
Excavation, the laying of about two thousand, three
hundred and eighty-seven feet of 6-inch or 9 inch
DRAIN PIPE, the building of three Catch Basins and
two Man-Holes.

Specifications for the above work and copies of in-
structions to bidders may be had by applying to John
A. Cockburn, Clerk of the Township of Finch, Crysler,
Ont., or to Geo. L. Brown, County Engineer, Morris-
burg, Ont.

All tenders must be made on the blank forms fur-
nished upon application to the undersigned.
The Township reserves the right to reject any or all
bids.

JOHN A. COCKBURN,
Clerk Township of Finch.

GEO. L. BROWN,
Engineer.



Notice to Contractors

TENDERS FOR PAVEMENTS AND SIDEWALKS

Tenders will be received, by registered post only,
addressed to the Chairman of the Board of Control,
City Hall, Toronto, up to noon on WEDNESDAY,
OCTOBER 10th, 1900, for the following works:—

ASPHALT PAVEMENTS:

Manning Avenue, from Harbord Street to Bloor
Street.
Spadina Crescent (all around).

CONCRETE WALK:

John Street, east side, from Richmond Street to
Queen Street.

Plans and specifications may be seen and forms
of tenders obtained at the office of the City Engineer on
and after Wednesday, October 3rd, 1900.

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

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
informal.

Lowest or any tender not necessarily accepted.

E. A. MACDONALD (Mayor),
Chairman Board of Control.

City Hall, Toronto, Sept. 28th, 1900.



SAULT STE. MARIE CANAL

NOTICE TO CONTRACTORS.

Sealed tenders, addressed to the undersigned, and
endorsed "Tender for Lock Gates," will be received
at this office until 16 o'clock on THURSDAY THE
EIGHTEENTH DAY OF OCTOBER, 1900, for
the construction and setting in place in working order
of one pair of Lock Gates at the Sault Ste. Marie
Canal.

Plans and specifications of the work can be seen on
and after the 26th day of September, 1900, at the office
of the Chief Engineer of Railways and Canals, Ottawa,
where forms of tenders can be obtained.

In the case of firms there must be attached to the
tender the actual signatures of the full name, the
nature of the occupation and residence of each
member of the same, and, further, an accepted bank
cheque for the sum of \$2,000 must accompany the
tender. This accepted bank cheque must be endorsed
over to the Minister of Railways and Canals, and will be
forfeited if the party tendering declines entering into
contract for the work at the rates and on the terms stated
in the offer submitted.

The accepted cheque thus sent in will be re-
turned to the respective parties whose tenders are not
accepted.

The Department does not bind itself to accept the
lowest or any tender.

By order,
L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa, 15th Sept., 1900.

Newspapers inserting this advertisement without
authority from the Department will not be paid for it.

FOR SALE

Stone Crusher, Boiler and Engine. All in good
condition. Address,

Box 50, CONTRACT RECORD.

SEALED TENDERS

Addressed to the undersigned, will be received up to
OCTOBER 11th, 1900, at 7 p.m., for the construc-
tion of

TWO SEWERAGE FILLER BEDS,

including excavation, embankment, sodding, sewer
pipe, cole, crushed stone, channels, cast iron pipe,
gate chambers, valves, etc. Plans and specifications
may be seen at the office of the undersigned. The
usual deposit of \$50 will be required. The lowest of
any tender not necessarily accepted.

ANGUS SMITH, City Engineer,
Stratford, Ont.



NEW MUNICIPAL BUILDINGS

Tenders, addressed to the undersigned, will be re-
ceived, through registered post only, up to noon on

Wednesday, Oct 10th, 1900,

for fittings, etc., for the New Municipal Buildings, as
follows:

1. Fitting up and Furnishing Law Library.
2. Vault Fittings.
3. Document Files.

Plans, specifications and forms of contract may be
seen and forms of tender and all further information
obtained upon application to the office of the Architect,
Mr. F. J. Lennox, corner of King and Yonge Streets,
Toronto, on and after Thursday, the 4th of October,
1900.

Envelopes containing tenders must be marked on
outside, so as to show class of work tendered for, and
be accompanied by a marked cheque or cash deposit
equal to 2½ per cent. on the amount of work tendered
for.

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

Should any party or firm whose tender is accepted
fail to execute the necessary contract and give satisfac-
tory security to the City Treasurer for the due fulfil-
ment thereof, the deposit accompanying such tender
will be forfeited to the City.

The deposit of unsuccessful tenderers will be re-
turned.

The lowest or any tender not necessarily accepted.

E. A. MACDONALD (Mayor),
Chairman Board of Control.

City Hall, Toronto, Sept. 25th, 1900.

BUSINESS NOTES.

Coulter & Wallace, contractors, Mon-
treal, have dissolved.

J. H. Beatty, builder, Beamsville, Ont.,
has gone out of business.

Jos. Lafrance & Co., plumbers, Mon-
treal, have formed partnership.

David Duclos has registered proprietor
of the business of Duclos & Co., plumbers,
Montreal.

Beauchemin & Demers, painters,
Shawinigan Falls, Que., have registered
partnership.

CONTRACTS OPEN.

ATHENS, ONT.—A municipal telephone system is proposed.

NORVAL, ONT.—Jas. McKinney is preparing to build a brick residence.

MOOSE JAW, N. W. T.—A Roman Catholic church will be built here.

SIMCOE, ONT.—A system of waterworks for this town is proposed.

AMHERSTBURG, ONT.—The corporation will likely offer debentures for sale.

PARRSBORO, N. S.—Plans of wharf to be built here are on view at the post office.

UDNEY, ONT.—The trustees of S. S. No. 8 purpose building a new school house.

WINDSOR, ONT.—The Kent Canning Co. purposes building an extension to its factory.

SMITH'S FALLS, ONT.—H. L. McGee has purchased a lot on which to build a residence.

WHITBY, ONT.—The Presbyterian congregation have selected a site for a new manse.

SPRINGHILL, N. S.—Tenders close October 3rd for erection of post office in this place.

LORD'S COVE, N. B.—The site has been surveyed for a wharf to be built at this place.

ST. CATHARINES, ONT.—Geo. Wilson & Co. purpose building a box factory to cost \$15,000.

NEWMARKET, ONT.—Plans are being prepared for an addition to the electric light station.

PHOENIX, B. C.—Plans have been prepared for new Presbyterian church to be built here.

AURORA, ONT.—The installation of an acetylene gas plant for commercial lighting is talked of.

SPRINGFIELD, ONT.—Mr. Misner is preparing to build an addition of 50 feet to his mill.

BRACEBRIDGE, ONT.—The contract for the power development has not yet been awarded.

EMERSON, MAN.—The Northern Elevator Company will erect a grain drying elevator here.

UHTHOFF, ONT.—Geo. Smith purposes building a new sawmill. He will install a 100 h. p. engine.

GODERICH, ONT.—The corporation will purchase another transformer for the electric light plant.

GANANOQUE, ONT.—Wm. McKenzie wants a bonus of \$10,000 to establish a furniture factory here.

WHITEHEAD, N. B.—The local government has granted \$500 to assist in building a wharf here.

OWEN SOUND, ONT.—Engineer McDowall has been making surveys for a dry dock to be built here.

VICTORIA, B. C.—The Sunday School building of the Centennial Methodist church will be enlarged.

WALKERVILLE, ONT.—The Seagrave Ladder Company, of Columbus, Ohio, will locate a branch here.

CRYSTAL CITY, MAN.—Work has commenced on the Oddfellows' block, which will be brick, 50 x 26 feet.

ELMVALE, ONT.—The village is about to invite tenders for purchase of \$800 12 year 5 per cent. debentures.

RAT PORTAGE, ONT.—Negotiations are reported to be in progress to erect a large woollen mill at the dam.

CHATHAM, ONT.—J. L. Wilson & Son, architects, have taken tenders for alterations to building for John Liddy.

BELLEVILLE, ONT.—Tenders close evening of October 5th for alterations to H. Corby's residence on George street.

VANCOUVER, B. C.—It is reported that the provincial reformatory will be built near Jericho on English Bay.

MIDLAND, ONT.—James Davenport has commenced the foundation for four houses to be built on Toronto street.

RICHMOND HILL, ONT.—The Reeve will shortly submit to the council a proposition for municipal electric lighting.

CLAREMONT, ONT.—A new line from Agincourt to this place, a distance of 18 miles, is about to be built by the C. P. R.

SILVERTON, B. C.—It is proposed to form a company to light the villages of Silvertown and New Denver by electricity.

ASHGROVE, ONT.—Tenders are wanted by S. K. Ruddell up to 6th ints., for decorating Ashgrove Methodist church.

COLLINGWOOD, ONT.—The Northern Navigation Company have had plans prepared for a new steamer to be built this winter.

MORRISBURG, ONT.—The tenders received by the council for installation of light and power plant have not yet been made public.

NEWBURG, ONT.—The Consolidated Pulp & Paper Company have secured control of the Thomson paper mills and will enlarge them.

SYDNEY, C. B.—The directors of the Nova Scotia Steel Co. will hold a meeting this week to decide upon the location for a steel plant.

GREENWOOD, B. C.—The town council has granted an extension of time for beginning construction on the Greenwood-Phoenix tramway.

BRANDON, MAN.—The Brandon Electric Light Co. are now building a dam and will soon commence the erection of power house and pole line.

LAKEFIELD, ONT.—The Lakefield Cement Company have commenced operations on their works. The capacity will be 600 barrels of cement per day.

MONCTON, N. B.—D. Pottinger, manager Intercolonial Railway, invites bids up to Saturday, 13th inst., for erection of station house at Westville, N. S.

WATERLOO, ONT.—J. Zuber has purchased the eastern half of the Grand Central block and will make a large addition to the Grand Central hotel.

PARIS, ONT.—Plans of the new post office to be built here by the Dominion Government are on view at the Mayor's office. Tenders close October 15th.

BROMPTON, QUE.—The ratepayers voted on a by-law on Saturday last granting a bonus of \$10,000 towards establishing a pulp and paper mill. Result not learned.

DUNDAS, ONT.—The Dominion government is asking for tenders up to Friday, 3th inst., for erection of armory here. Plans by W. A. Edwards, architect, Hamilton.

WALKERTON, ONT.—The binder twine factory about to be commenced will be 200x45 feet, with warehouse 100x80 feet, and will be built under the supervision of P. Heffernan.

WEYMOUTH, N. S.—Horace Holden, of New York, was recently here as the representative of capitalists who intend building a large summer hotel at Weymouth Point.

SHELBURNE, ONT.—Tenders for construction of waterworks were received from J. H. McKnight and McQuillan & Co., of Toronto. Contract will be awarded at next council meeting.

NORTH TORONTO, ONT.—A report on the construction of an iron bridge over the Don river, between the 3rd and 4th concessions, was presented to York township council on Saturday last.

FORT WILLIAM, ONT.—E. B. Douglas, president of the Sault Ste. Marie Pulp &

Paper Company, has planned a proposition to develop Kakabeka Falls for electric light and power purposes.

ST. JOHN, N. B.—The New Brunswick Board of Fire Underwriters will have an engineer make an inspection of the waterworks system with a view to recommending necessary improvements.

PENETANGUISHENE, ONT.—Tenders will be asked by the corporation for \$5,000 debentures, 4 per cent., payable in 20 years.—A. Tessier, architect, has a number of houses nearing completion.

HINTONBURG, ONT.—The extension of the waterworks system, on plans submitted by Mr. Keefer, C.E., will likely be commenced at an early date.—Corporation debentures will be placed on the market.

LEAMINGTON, ONT.—Arthur Brown has purchased property on Erie street, opposite Knox church, and will erect a residence.—A site has been purchased for the new St John's church, which will be of stone.

CALGARY, N. W. T.—It is reported that preliminary surveys will shortly be made to demonstrate the feasibility of irrigating a large extent of land between this place and Medicine Hat, from the Bow river.

WELLAND, ONT.—A Buffalo firm proposes establishing a factory here for the manufacture of wooden tanks, boxes, etc.—The town council will issue bonds for an additional \$3,500 to complete the new school building.

ORILLIA, ONT.—W. H. Croker, architect, is preparing plans for an addition of twenty-two rooms to the Queen's hotel, Midland, for J. Hanly, also for an addition of fifty rooms to the McKinnon House at Magnetawan, for Mr. Jenkins.

BURK'S FALLS, ONT.—At a public meeting held here last week, it was decided to organize a company to build a railway from the Magnetawan river to connect with the G.T.R. system. Particulars from T. H. Nott, acting secretary.

HALIFAX, N. S.—The interior of the Government House is to be remodelled. The building on George street occupied by Cragg Bros. & Co. will be replaced by a brick and stone structure. The building will be four stories, with brick and freestone front.

KINGSTON, ONT.—H. P. Smith, architect, is preparing plans for a separate school to be built on Wolfe Island.—Arthur Ellis, architect, is this week taking tenders for additions to warehouse and offices for J. McKay & Son, hide merchants, Brock street.

COATICOOK, QUE.—Separate or bulk tenders are asked by Otis Shurtleff, secretary treasurer of the School Commissioners, up to October 31st, for supply of materials and erection of new academy building. Plans by Hutchison & Wood, architects, of Montreal.

PARRY SOUND, ONT.—A. B. Begg has purchased property and, we understand, will build a new store next spring.—The Board of Trade will send a memorial to the Dominion Government requesting a grant of \$5,000 for the construction of proper steamboat wharves here.

LONDON, ONT.—The engineer of the Victoria Hospital has recommended that another boiler be purchased.—J. Leah will build two brick veneer dwellings, corner Dundas and Eva streets. Mr. Moyer will build a similar residence on Oxford street, east of Maitland.

BERLIN, ONT.—The corner stone of the new R. C. church here was laid last week by Right Rev. F. J. Dowling, of Hamilton. The structure is to be brick, with red stone foundation, main tower 200 feet high, second tower 100 feet high, cost \$75,000, and to be completed in 1902.

QUEBEC, QUE.—The Great Northern Railway Co. have purchased lands near the Louise docks, required for railway tracks and sidings.—The Canada Atlantic Railway Co. has made application for 1,200 feet of space on the Louise embankment for the purpose of building an immense freight shed.

PETERBORO, ONT.—The Roman Catholics may erect a parish hall here.—A committee of the town council have been securing information regarding the various kinds of pavements.—Tenders have just been taken for building an addition to the Murray street Baptist church. Plans by W. Blackwell, architect.

HULL, QUE.—Bernier & Broedel, architects, want tenders for erection of Faulkner's stone and brick stores on Main street.—The by-law to raise \$28,000 to build a new city hall was carried by the ratepayers last week without opposition. Work on the building will be proceeded with immediately.

CHARLOTTETOWN, P. E. I.—Jas. B. Hegan, resident engineer in Prince Edward Island for the Department of Public Works of Canada, will receive tenders up to 5th inst. for extension of breakwater at Brae Harbor, Prince county, and for extension of southern breakwater at Wood Islands, Queen's county.

FREDERICTON, N. B.—Tenders are also invited up to 10th inst. for building upper Carlisle bridge at Shaw's Mill, Brighton, Carleton county; Wiggin's Cove bridge in Waterborough parish, Queen's county; Cochrane bridge, near Wellsford, Queen's county; Quisibus bridge in St. Anne's parish, Madawaska county. Tenders close October 15th for the Upper Big Tracadie bridge, Gloucester county.—The Commissioner of Public Works asks for bids up to 8th October for rebuilding Carrol bridge, in the parish of Dalhousie.

CORNWALL, ONT.—By a large majority the by-law was carried by the ratepayers authorizing the borrowing of \$19,000 on waterworks account.—L. A. Ross, Chairman Board Water Commissioners, invites tenders up to 7 p.m. of October 8th for erection of masonry and brick pump house, and furnishing and installing one horizontal turbine wheel with flume and draft tubes, and one double acting triplex pump, with piping, etc.

HAMILTON, ONT.—Tenders will be asked for local improvement sewers that have not been petitioned against.—W. P. Whitton, architect, has prepared plans for a building for outdoor patients in connection with the General Hospital, to cost \$5,250. The plans have been accepted by the Hospital Board, and tenders will be invited immediately.—The Hamilton Electric Light & Cataract Power Co. have taken tenders for excavating about 2,100 yards of earth on their raceway, in the township of Thorold.—Building permits have been granted as follows: Thomas Lovejoy, six brick dwellings for Geo. H. Culp, corner Marie street and Ferguson avenue, cost \$5,000.—John Dougherty, four brick dwellings, corner Lock street and Home-wood ave., cost \$5,000

OTTAWA, ONT.—The time for receiving tenders for construction of new lock for Lachine canal has been extended to October 16th.—The Department of Public Works invites tenders up to October 15th for erection of post office at Paris, Ont.—S. J. Major intends to rebuild the Wm. Lamb Company's biscuit factory on Dalhousie street, recently destroyed by fire. Plans are now being prepared.—Archbishop Falconio has purchased the Roger's homestead on the canal bank. Rev. Canon Bouillon is preparing plans for remodelling the residence.—The Department of Public Works invites bids up to October 9th for construction of wharf

at Parrsboro, N. S. Plans at the above department, at residence of C.E.W. Dodwell, resident engineer, Halifax, and on application to postmaster at Parrsboro. Cheque for \$1,000 to accompany tender.—Tenders close at the Department of Public Works October 12th for construction of wharf at Isaac's Harbor, Guysborough county, N. S.

WINNIPEG, MAN.—Tenders are wanted by 6 p.m. of October 4th for heating the new School Board offices with hot water.—A. F. Banfield has just commenced the erection of a large addition to the Ryan block.—The city has been asked by the C.P.R. to bear half the cost of the proposed subway to be built as part of the million dollar hotel scheme.—It is reported that the Labor party have in view the erection of a temple for the use of labor unions, to cost \$40,000.—The Works Committee have recommended that the council engage James McDermid, E. Cass, Geo. Browne and Hugh McGowan, architects, to report on the condition of the waterworks building.—The following works have been recommended: Granolithic walks, Mayfair avenue, cost \$1,970; Garry street, cost \$1,056; Edmonton street, cost \$930; McDermott street, cost \$3,200; asphalt pavement on Carleton st., Qu'Appelle to Cumberland avenue, cost \$8,310; sewer on Gwendoline street, cost \$608 and on Qu'Appelle avenue, cost \$1,940; macadam pavement on Main street between Hargrave and Donald street, cost \$2,120, and on Spence street, from Portage ave. to Notre Dame avenue, cost \$10,475; asphalt pavement on Carleton street, from Portage avenue to Qu'Appelle ave., cost \$11,000.

MONTREAL, QUE.—W. J. Connors has announced to the Harbor Commissioners that he is prepared to proceed with construction of elevators at this port.—Hutchison & Wood, architects, have completed plans for a new academy building to be built at Coaticook, Que. Tenders close October 31st.—It is rumored that a company of New York capitalists will erect a handsome summer hotel at St. Anne de Bellevue.—Negotiations are under way looking to the building of a French-Canadian club house on Sherbrooke street.—Building permits have been issued as follows: C. Cusumy, three-storey building, 16-18 Overdale street, cost \$5,000, Taylor & Gordon, architects; Wm. Batis, two-storey house, Roszel street, cost \$2,800, Trustees of St. John Baptiste church, one-storey building, Liverpool street, cost \$8,000, A. J. Cook, architect; R. R. S. S. Grises de Montreal, two-storey building, Carre Richmond and Richmond streets, cost \$22,000, Jos. Venne, architect; John Quinlin, two-storey building, Rushbrooke street, cost \$6,000, W. E. Doran, architect; F. Lamontagne, three-storey building, 955-957 Demontigny street, cost \$5,300; S. D. Vallieres, two two-storey buildings, Mentana street, cost \$2,000, J. Sawyer, architect; J. D. Vallieres, three-storey building, cor. Mount Royal ave. and Mentana street, cost \$3,000, J. Sawyer, architect; Alex. Hogue, eight two-storey buildings, St. Andre street, cost \$8,000.—MacDuff & Lemieux, architects, are making alterations to a building in St. Henri for C. Depocas.—The Richelieu & Ontario Navigation Co. will probably build two new steamers.

TORONTO, ONT.—The Property Committee of the Public School Board have recommended for acceptance by the Board plan No. 4 for Bathurst street school, to cost \$19,804.—Tenders are invited by the city in this issue for fitting up library, vault fittings and document files for the new city hall, also for the construction of concrete walks and asphalt pavements. Dr. Sheard, Medical Health Officer, has recommended that the local Board of Health accept the offer made by

the National Sanitarium Association to contribute \$20,000 towards the erection and equipment of a free sanitarium for the treatment of consumptives. John Poucher, 44 Yonge Street Arcade, wants tenders for plumbing, painting, iron work, plastering and roofing of four houses.—The council has given notice of its intention to construct a brick pavement on Gerrard street east, from Broadview avenue to Parliament street, cost \$29,110.—Tenders are wanted at 62 Colborne street for building frame stable, 18x20 feet.—Plans are on view at 366 Ossington avenue of brick foundation for store, and of brick stable. Tenders wanted immediately.—Building permits have been granted as follows: Imperial Bank, brick vault in premises, corner Queen and Yonge streets, cost \$1,500; Peter Ryan, alterations to dwelling on Wolsley, near Bathurst street, cost \$1,500; City Corporation, alterations to new Technical School building, cost \$10,000; J. K. Osborne, alterations to residence, 40 St. Joseph street, cost \$1,200; J. C. Williams, brick and stone dwelling, corner Simpson and Howland avenue, cost \$2,200; R. G. Kennedy, brick and stone dwelling, 298 Perth avenue, cost \$1,500; Massey-Harris Company, paint and varnish warehouse on King street, cost \$8,000; Andrew Nelson, pair semi-detached dwellings on Huron street, near St. Thomas' church, cost \$6,000; Henry Wood, dwelling, 606 Spadina avenue, cost \$4,000; C. A. Dimmick, three brick and stone residences, 6371 Sussex avenue, cost \$9,000; Wm. Bradley, brick dwelling west side of Bedford road, near Davenport, cost \$1,000.—The friends of Upper Canada College are endeavoring to raise the sum of \$50,000 for the erection of additional buildings.—The City Council will instruct the Committee on Works to extend the Jarvis street sewer out into deep water.

FIRES.

Works of the Canadian Portland Cement Co., at Marlbank, Ont., totally destroyed on Sept. 25th, loss \$60,000, fully covered by insurance.—F. G. B. Allen, of Deseronto, states that the works will be rebuilt immediately, of brick and stone.—Presbyterian manse at Collingwood, Ont., insurance \$1,300. Carriage shop of Albert Ledoux at Acton Vale, Que.—Grist mill at Edgar, Ont., owned by Mr. Barker, of Newmarket, totally destroyed.—Dry kiln of J. C. Mundell & Co., furniture manufacturers, Elora, Ont.—Hill & Mallory's general store at Carman, Man.; loss \$1,200.—Residence and outbuildings of E. J. Smith at Shediac, N. B.; loss \$10,000, insurance \$2,000.—Planing mill of P. Westphall at Dundas, Ont., totally destroyed.—Balmoral Hotel at Pipestone, Man., owned by Geo. Bonfield, totally destroyed.

CONTRACTS AWARDED.

BROCKVILLE, ONT.—The tender of John Donovan for construction of sewers has been accepted.

CHATHAM, ONT.—Blonde Bros. & Co. have secured the contract for brick residence for Mr. Mindorf, of Harwich.

ELMVALE, ONT.—Brick residence for Wm. Edwards: John Craham, general contractor; Northgrave Bros., masonry.

DE LORIMER, QUE.—Four tenders were received for construction of water mains, J. O. Laforest being the successful tenderer, at \$4,457.

OTTAWA, ONT.—The contract for the new traffic bridge over the Ottawa river at Des Joachim has been awarded to Keating & Wilson, of this city.

PENBROKE, ONT.—Two tenders were received for construction of sewers, as

4
follows: Thibodeau & Lemoine, \$2,090.40; Behan & Leacy, \$1,582.75 (accepted).

NELSON, B. C.—C. P. R. depot: John Hepburn, successful tenderer; price about \$15,000.

CHARLOTTETOWN, P. E. I.—Shaw & Bearsto have secured contract for plumbing the Moxham residence, now being built at Rockaway, near Sydney, C. B.

NEWMARKET, ONT.—The tender of the Goldie & McCulloch Co., of Galt, for an engine and boiler for the electric light plant, has been accepted by the council.

KINGSTON, ONT.—Additions and improvements to Catarqui cemetery buildings: Masonry, Watt & Morley; carpentry, Robert Davidson; plumbing and heating, Joseph Jamieson; painting and glazing, Thomas Milo.

ST. THOMAS, ONT.—Following are successful tenderers for building addition to Amassa-Wood hospital: Ponsford Bros., mason work, \$1,945; Sanders & Powers, carpenter work, \$2,096; Gault Bros., London, plastering, \$460; Hamilton & Scott, metal work, \$176. Other contracts not let.

SARNIA, ONT.—W. J. Barrie will install hot water heating apparatus in the Central Methodist church parsonage.—Residence for James Doherty: Carpenter work, George Bruce; mason work, McDonald & Simpson; cut stone work, George Paul; plastering work, Robert Corrick; painting, English & Fitzgerald; plumbing and tinware, Folland & Co.

WINNIPEG, MAN.—The tender of the Garshore Thomson Pipe & Foundry Co., of Hamilton, for supply of cast iron pipes, at \$38 per ton, and specials at \$60, has been accepted by the council. The contract for supply of from 250 to 350 tons of asphalt has been let to the Columbian Construction Co.; price, \$34.75 per ton f.o.b. cars Winnipeg.—A. C. Smith, of this city, has been awarded the contract of building the first four miles of the Gimli branch of the C.P.R.

BERLIN, ONT.—The following tenders were received by the county council for purchase of \$5,000 House of Refuge debentures: G. A. Stimson & Co., Toronto, \$4,901.50 (accepted); W. Brouse, broker, Toronto, \$4,890; E. H. Gay & Co., bankers, Montreal, \$4,875; Central Loan & Savings Co., Toronto, \$4,852; G. W. Wood & Son, Toronto, \$4,806; Merchant's Bank of Canada, \$4,680.

FREDERICTON, N.B.—The Provincial government has awarded contracts as follows: Rebuilding Kiley bridge at Kingsclear, York county, to Solomon McFarlane; flooring Salisbury, Westmorland county, steel bridge, to A. E. Smith; rebuilding Edmunston bridge across Madawaska river at Edmunston, to Jas. E. Simmons; repairing Charters bridge at Memramcook station to J. A. Killam; repairing Indian bridge, Pelletier's bridge, and Golliver Rockway bridge, all in Madawaska county, in Whitman Brewer; rebuilding Stevens bridge, Victoria county, to Henry Boone.

BROCKVILLE, ONT.—The James Smart Manufacturing Co. have been awarded contracts for warming and ventilating the following buildings, using their "Kelsey" warm air generator: "Harding" ladies' college, London, Ont.; St. James Episcopal church, Hull, Que.; Episcopal church, St. John, N.B.; public school, Caledonia, Ont.; Miners' union building, Sandon, B.C.; St. James' Ward school, Guelph, Ont.; residence at Ontario Agricultural college, Guelph, Ont.; public school, Paris, Ont. We understand the above firm are placing a large number of these generators in Manitoba and the Territories, having shipped a complete car load to Winnipeg within the last few days.

BUILDING REGULATIONS.

The building regulations of many English towns are founded upon those of London, without going quite so far in the question of restraint. Those of the chief continental cities generally go somewhat further, especially in respect of the heights of buildings. Thus in Paris the front wall cannot, in the widest streets, be carried higher than about 65 feet; in Vienna the height of dwelling houses may not, as a rule, be more than about 77 feet, while the floor level of the topmost story must not be higher than 62 feet, nor may there be more than five stories in the height of the house, says "Carpentry and Building." In London no limit of height is actually fixed. The normal height is 50 feet, but a wall may be carried as high as the public authority shall permit. In Sweden the regulations seem to touch the question of taste in a rather important way. The front of a house must not be painted white, but some color inoffensive to the eye. In other respects the continental regulations are generally more restrictive than ours—except as to balconies, the width of which, to the extent of about 4 feet, is legalized; while with us this (one of the most romantic features of the elevation) has, in every case, to pass through the chastening fire of the public authority, particularly if it overhangs the public way.

USEFUL HINTS.

To keep iron nails, used in wooden construction work, from rusting after a few months' exposure, heat the nails to a cherry red and throw them quickly into a pot of raw linseed oil. Drain off the oil and let the nails become fairly dry before using.

Made ground, having a thickness of about 25 feet, has been successfully consolidated by driving, and subsequently drawing, piles closely together and filling up the holes with poor concrete, according to "Centralblatt der Bauverwaltung" (p. 485, 1899). In "Abstracts," of the Institution of Civil Engineers, it is stated that the piles were 20 centimeters (8 inches) in diameter and were driven 2 feet 6 inches pitch each way. A chimney over 215 feet high on a 49 foot square base has been built on the site so consolidated. Only eight piles, each 26 feet long, were required to consolidate 2,150 square metres (23,140 square feet), and the cost averaged 3½ marks per square metre (19 cents per square foot).

Walnut stain is made of bichromate of potash and vandyke brown in oil, dissolved in hot water. A simple stain is made of brown umber and size, and brushed over the wood hot, then fill up the grain for varnishing. Chestnut is the best wood for retaining that clear white so much admired; sycamore is next, and lime tree is as good. White-wood will not be so clear and light-coloured if any varnish or polish is put upon it, but will appear whiter if waxed with white wax and polished by friction; but preference should be given to white French polish and white hard varnish. This merely deepens the colour and gives an ivory

appearance. For dry wood, varnish with French polish, one part brown and two parts hard varnish. For light work, two parts white French polish, three parts white hard varnish. This should be laid on with a nice camel-hair brush, and near the fire.

Thos. F. Benbow, contractor, Ottawa, is reported to have assigned to T. W. McDermott.

Cornish & Stewart, painters, of St. Mary's, Ont., have dissolved partnership, Mr. Stewart continuing.

F. G. Johnston & Co., plumbers, Ottawa, have opened a branch on Wellington street in that city.

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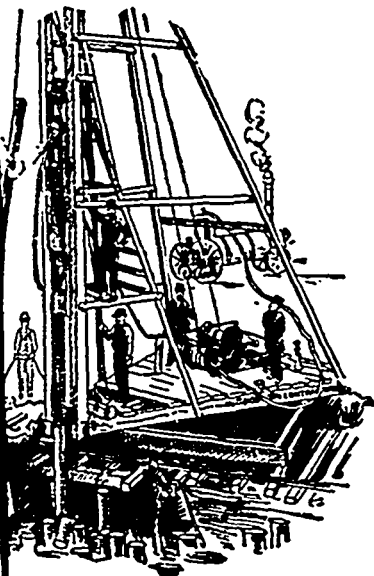
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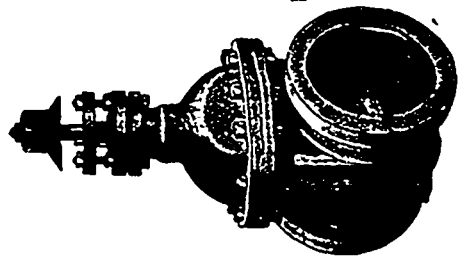
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The most reasonable and practical basis of computation for the amount of water used appears to be to consider the number of miles of distribution in connection with the number of taps or separate connections supplying buildings.

The mileage of main pipes enters as a factor into the public use of water for street-cleaning, fire protection, sewer-flushing and like purposes. Such use is governed almost entirely by the length of pipe laid and not by the population.

Underground leakage.--There is much leakage underground from bad joints, breaks and defective stoppage of disused services. There are, on the 850 miles of mains in New York, at least 18,000 old service taps which have been discontinued and more or less imperfectly plugged up. Thousands of them are leaking continuously; some but a mere dribble, but others carrying off into the subsoil and into the sewers thousands of gallons daily each. If the underground channels become obstructed, the water will rise to the surface, and the leak will be reported. Every increase of pressure in the pipes increases the leakage from these old taps, and attention is called to them. The number of leaks which showed themselves, when the pressure on the mains was kept down on account of scarcity of water between 1883 and 1889, was about 700 annually. After the new aqueduct was finished, and the pressure was increased, the number reported was over 1,000 annually; and last year, after the full pressure had been turned on down-town, there were 2,500 such leaks that made themselves manifest. In the basements of buildings, and in vacant lots lying below the surface of the street, and on the surface of the street itself, anywhere in the lower part of the city, springs may be noticed by an observer every day which are caused solely by leaks in the service pipes and the mains.

The mains themselves also leak largely. There are at least 500,000 joints in the main pipes underground, and from many of them water is escaping. Indeed, instances have occurred in which the excessive amount of water encountered in the excavation of a pit in the street has been traced to a joint in a main water pipe which had never been leaded at all by the contractor, and from which several hundred thousand gallons a day had been flowing for years into a sandy sub-soil and been carried off by the sewers. Cases of leakage are constantly occurring in which the source is

Extracts from a report by Mr. James J. R. Croes, M. Am. Soc. C. E., to the Engineering Committee of the Merchants' Association of New York.

traced to corroded cast iron mains. For several years the average amount of old pipe which had to be taken up and replaced has been about two miles annually, but the deterioration and consequent leakage from the old pipes is progressing more rapidly than the work of replacing the pipes. These sources of consumption of water are manifestly entirely independent of the population of city, but they do bear a definite relation to the length of pipes.

Water used for public purposes.--The quantity of water used for public purposes cannot be accurately measured. No effort has ever been made in New York to determine this amount, but in a few American and a large number of foreign cities, particularly in Germany, very careful investigations have been made, which show the average quantity of water thus used to be not far from five gallons a day per head of population. As before stated, this basis of computation in the case of such a city as New York does not appear to be reasonable, for the use of water for public purposes depends more upon the length of streets in which the water is used than on the number of people who reside on those streets and on other streets unsupplied with water. From a comparison of the various records obtainable, both in this country and abroad, I think that a

fair basis of estimation of water used for public purposes is 15,000 gallons per mile of main pipes.

Official meter records.--For nearly twenty years the records of the amount of water measured by meters were in charge of the chief engineer, and in his report for each year from 1880 to 1891 there was published a very valuable analysis and classification of the character of occupation of the premises to which meters were applied and the quantity of water used per day by each of such consumers. The larger consumers were metered first, and, as the number of metered premises increased, the average consumption of water through each meter decreased until 1887, since which time it has been a constant quantity. After 1891 the chief engineer was relieved from the duty of making a classification of meter records, and none has been made, except in 1894. The quantity of water which has been used by the meters since that date I have computed from the reports of the Water Registrar, which shows the number of meters and the revenue derived from them each year. It appears from these records that the daily consumption of water per metered tap since 1888, when there were 17,750 metres in use, up to the present time, when there are 36,068 meters in use, has averaged 1,450 gallons a day.

(To be Continued.)

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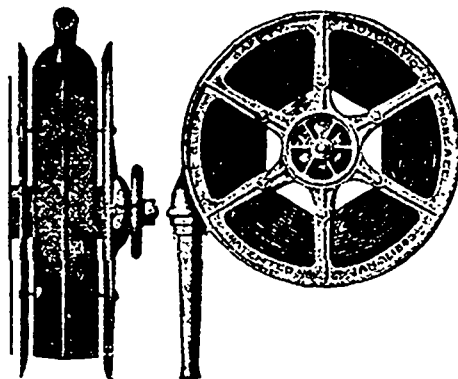
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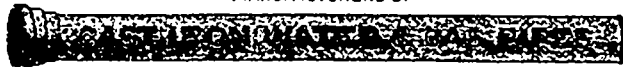
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Vitified Fav'n, Brick No. 1.....	18 00	23 00	
" " " No. 2.....	15 00	20 00	

COMMON BRICK, Per M.

COMMON BRICK, Per M.			
	F.O.B.	F.O.B.	
	Toronto.	Montreal.	
Common Walling.....	7 00 8 00	7 50 8 00	
Good Facing.....	8 00 9 00	8 50	
Sewer.....	8 00 9 00	8 50 0 00	

STONE.

Common Rubble, per ton, delivered.....	10 0	11 00
Large flat Rubble, per ton, delivered.....	14 00	18 00
Foundation Blocks, per c. ft. Granite (Stanstead) Ashlar, 6 in. to 12 in., rise 0 in., per ft. Amherst Red Sandstone, Amherst, N.S., per cu. ft.	1 00	75
Kent Free stone Quarries, Moncton, N.B., per cu. ft.	1 00	95
River John, N. S., brown Freestone, per cu. ft.....	95	95

Port Philip, N. S. Brown Sandstone.....		
" Scoria" Paving Blocks, 8" x 3 1/2" x 5".....	55	
" Scoria" Paving Blocks, 8" x 3 1/2" x 4".....	45 00	
Massilon.....	30 00	
Quebec and Vermont rough granite for building purposes, per c. ft. f.o.b. quarry	40	1 00
For ornamental work, cu. ft. Granite paving blocks, 8 in. x 12 in. x 6 in. x 1/4 in. per M.	40	50 00
Granite curbing stone, 6 in. x 20 in. per lineal foot.....		70

CREDIT VALLEY STONE.

CREDIT VALLEY STONE.		
F.O.B. Quarries.		
Rubble, per car of 15 tons...		7 00
Brown Coursing, up to 10 in., per sup. yard.....	1 50 to 1 75	
Brown Dimension, per cub. ft	60	
Grey Coursing, per sup. yard	1 00	
Grey Dimension, per cub. ft.	45	

LONGFORD STONE.

Rubble, per 30 M. car.....	5 50
Ashlar, per cub. yd.....	2 00
Dimension, per cut. ft.....	18

SLATE.

SLATE.			
Toronto. Montreal.			
Roofing (8 square).....	7 50	20 00	
" red.....	8 50	10 00	
" purple.....	8 50	7 00 8 00	
" ding green.....	7 50	6 50	
" black.....	20 00	25 00	
Terra Cotta Tile, per sq.....	8 80	6 80	
Ornamental Black Slate Roofing			

CEMENT, LIME, etc.

CEMENT, LIME, etc.			
Portland Cement—			
German per bbl.....	2 90	3 10	2 55 2 65
London.....	2 95	3 00	2 25 2 45
Newcastle.....	2 70	3 00	1 95 2 10
" Joseph" Brand Portland	3 95	3 25	2 70 2 80
" Dyckerhoff.....	3 05	3 25	2 75 2 90
North's "Condor.....	2 95	3 10	2 65 2 80
English, artificial, per bbl.	2 85	3 00	2 35 2 45
Belgian, natural, per bbl.	2 80	2 75	2 00 2 20
Canadian, artificial, ".....	2 85	3 00	2 60 2 70
Roman.....			2 20 2 25
Parisian.....	5 25	5 25	5 75 5 75
Keene Superfine "Whites".....	8 00	12 00	9 00 10 00
Keene's Coarse "Whites".....	8 00	8 50	8 50 9 00
" Karlstad" (German).....	3 05	3 25	2 75 2 90
" Germania" (German).....	3 05	3 25	2 75 2 90
" Rooster" (Belgian).....			2 15 2 20
" Keystone" (Belgian).....			2 05 2 20
" Anvil" (Belgian).....			1 95 2 05
" Durham" (English).....	2 95	3 00	2 25 2 45
Hydraulic Cements.—			
Thorold, per bbl.....	1 50		1 60
Queenston, ".....	1 50	1 50	1 60

Toronto. Montreal.			
Napanee, ".....		1 50	
Hull, ".....		1 00	
Ontario, ".....		1 40	
Fire Bricks, Newcastle, per M	30 00	35 00	16 00 20 00
" Scotch.....	30 00	35 00	19 00 21 00
Lime, 100 lbs., Grey.....		30	
" White.....		35	
Plaster, Calcined, N. B.....		2 00	
" " N. S.....		2 00	
Hair, Plasterers', per bag....	80	1 00	

HARDWARE.

The following are the quotations to builders for at Toronto and Montreal:			
Cut nails, 50d & 60d, per keg	2 85		
Steel " " " "	2 95		
CUT NAILS, FENCE AND CUT SPIKES.			
40d, hot cut, per 100 lbs....	2 85		
10 to 12d, hot cut.....	2 95		
8d, gd, " ".....	3 00		
6d, 7d, " ".....	3 15		
4d to 5d, " ".....	3 5		
3d, " ".....	3 50		
2d, " ".....	3 85		
Cut spikes, 10 cents per keg advance.			
Steel Nails, 11 c. per keg extra.			
Wire nails, 3-5 base, rice.			

Iron Pipe:

ron pipe, 3/4 inch, per 100 feet.....	
" " 1/2 " " ".....	
" " 3/4 " " ".....	
" " 1 " " ".....	
" " 1 1/4 " " ".....	
" " 1 1/2 " " ".....	
" " 2 " " ".....	

Lead Pipe:

Lead pipe, per lb.....	7c.	15 cent.
Waste pipe, per lb.....	7 1/2 c.	15 cent.

Galvanized Iron:

Adam's—Mar's Best and Queen's Head and			
16 to 24 gauge, per lb.....	4 1/2 c.	4 3/4 c.	
26 gauge, ".....	4 3/4 c.	5 c.	
28 ".....	5 c.	5 1/2 c.	
Gordon Crown—			
16 to 24 gauge, per lb.....	4 1/2 c.	4 3/4 c.	
26 gauge ".....	4 3/4 c.	4 3/4 c.	
28 ".....	4 3/4 c.	5 c.	
Note.—Cheaper grades about 1/2 c. per lb. less.			

Structural Iron:

Steel Beams, per 100 lbs.....	2 75
" channels, ".....	2 85
" angles, ".....	2 50
" tees, ".....	2 80
" plates, ".....	2
Sheared steel bridge plate.....	