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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL
OF
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.

MAY 24, 1899

No. 17

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.

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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 MONDAY, THE 31ST OF JUNE NEXT, for the following works:

ASPHALT PAVEMENTS:

Huron Street, from Moor Street to Lowther Avenue.
Close Avenue, from King Street to Queen Street.
Markham Street, from College Street to Harbord Street.

CEDAR BLOCK PAVEMENT:

Nassau Street, from Lippincott Street to Bathurst Street.

BRICK PAVEMENTS:

Orde Street, from Murray Street to University Street.
Huron Street, from Grange Avenue to St. Patrick Street.

CONCRETE SIDEWALKS:

Prince Arthur Avenue, north side, from Avenue Road to Bedford Road.
Jarvis Street, east side, from King Street to Fred Victor Mission.

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

Specifications may be seen and forms of tender obtained at the office of the City Engineer on and after Monday, May 29th.

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.

JOHN SHAW (Mayor)
Chairman Board of Control.

City Hall, Toronto, May 20, 1899.

BASSWOOD AND PINE LUMBER WANTED

Tenders, addressed to the undersigned and marked "Tenders," will be received until 2 p.m., SATURDAY, JUNE 17th, for:

30 M. ft. 2¼ in., 30 M. ft. 2 in., 60 M. ft. 1½ in. and 30 M. ft. 1 in. Basswood Lumber, width 3 in. and over, length 4 ft. and over, 85% or more snow white, all sound. Last winter's cut for delivery next fall, also to contract to cut same quantity next winter for delivery the following summer.

50 M. ft. 1 in. Pine, good dressing, two-thirds 10 in. wide, balance 5 in. wide, any length.

50 M. ft. 1 in. Mill Run, cut soon for delivery next fall.

Any or all of the above sizes and kinds may be tendered for and in any quantity.

No tender necessarily accepted.

GOULD, SHAPLEY & MUIR CO., Limited,
Brantford, Ont.

TENDERS FOR SIDEWALKS

Marked tenders will be received by the undersigned, by registered post only, up to 4 o'clock p.m.

FRIDAY, 26TH INSTANT,

for the construction of about 20,000 square feet of Granolithic Sidewalks in the Town of Walkerton

The Council reserve the right to increase or decrease the quantity to be constructed.

Plans and specifications may be seen at the office of the Town Clerk, Walkerton, on and after Friday, May 19, 1899.

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

Tenders must bear the bona fide signatures of the contractor and his sureties or they will not be considered.

Lowest or any tender not necessarily accepted

W. S. GOULD,
Town Clerk.

Walkerton, May 13th, 1899.

Notice to Contractors

TENDERS FOR

Steel Highway Bridge

AND

Stone or Concrete Abutment in Town of Paris.

Scaled tenders, addressed to S. Dadson, Town Clerk, Paris, Ont., and endorsed "Tenders for Bridge," will be received till 12 o'clock, noon, on MONDAY, THE 31ST DAY OF JUNE, 1899, for the following work:

A. Stone or Concrete Abutment for North Span of Dundas Street Bridge. Tenders for this work will be received in both stone and concrete.

B. Steel Highway Bridge for North Span of Dundas Street Bridge; length of span 180 feet.

Plans and specifications may be seen, and forms of tender obtained, at the office of the Town Clerk, Paris, or at the office of T. Harry Jones, M. Can. Soc. C. E., Consulting Engineer, Brantford, on and after Monday, May 22nd.

A deposit, in the form of a marked cheque, payable to the order of the Town Treasurer, Paris, for the sum of 5 per cent. on the value of the work tendered for, must accompany each and every tender, otherwise they will not be entertained.

The lowest or any tender not necessarily accepted.

S. DADSON,
Town Clerk.

Paris, 17th May, 1899.

CONTRACTORS RESPECTFULLY INFORMED that undersigned is prepared to assist in preparing estimates, any department of carpenter in particular. W. FRASER, 21 Clinton Street, Toronto.

TENDERS

Will be received until noon, SATURDAY, 27TH INST., for the erection of a Brick Factory at New Toronto.

Lowest or any tender not necessarily accepted

S. GEO. CURRY,
90 Yonge Street, Toronto.

DATE OF PUBLICATION.

Architects, Engineers, Municipal Authorities and others are reminded that the CONTRACT RECORD is printed every Tuesday afternoon, and that advertisements should reach the office of publication not later than 2 o'clock p.m. on that day to ensure insertion in the issue of the current week. Advertisements are frequently received too late for insertion, to avoid which special attention is directed to this announcement.

CONTRACTS OPEN.

NELSON, E.C.—A city hall, to cost \$10,000, is projected here.

ASBURY, ONT.—Work has commenced on a new Methodist church here.

RED ROCK, ONT.—A Presbyterian church will be erected this summer.

BLANSHARD, ONT.—Thos. Wilkinson will erect a brick house this summer.

ACTON, ONT.—A granolithic pavement will be constructed on Mill street.

KINKORA, ONT.—Tenders are being asked for foundation of proposed church.

WOLFVILLE, N. S.—It has been decided to erect a town hall, to cost \$4,500.

HINTONBURG, ONT.—The Grey Nuns will shortly erect a residence for teachers.

CARDSTON, N. W. T.—The Cardston Co., Limited, will build large addition to store.

MAGOG, QUE.—The council is negotiating for the purchase of a chemical fire engine.

FOXTON, MAN.—Rev. W. H. Baldock wants tenders by 30th inst. for erection of church.

WINDSOR, ONT.—The council has decided to construct a block of macadam pavement.

DIGBY, N. S.—The municipality will likely borrow \$5,000 to provide a building for the poor.

OUTREMONT, QUE.—Voting takes place on Saturday next on a by-law to borrow \$50,000.

DURHAM, ONT.—N. G. & J. McKechnie have decided to build a new store on Garafraxa street.

BARRIE, ONT.—The council is making a move in the direction of a municipal telephone service.

TORONTO JUNCTION, ONT.—W. L. Joy is about to build a brick residence on High Park avenue.

BEDFORD, N. S.—James E. Roy has commenced the erection of a residence on the Lower road.

MIDDLETON, N.B.—Dickie Bros. intend erecting a tannery and boot and shoe factory this summer.

RENFREW, ONT.—The council is looking into the question of constructing permanent sidewalks.

BURK'S FALLS, ONT.—It is probable that Knight Bros. will build a sawmill on the old water power site.

WELLANDPORT, ONT.—W. Misner intends making alterations to his store and putting in plate glass front.

WATFORD, ONT.—It is said that N. Boswell is negotiating for a franchise for a waterworks system here.

MOOSOMIN, N.W.T.—The sum voted for building new school is \$12,000, instead of \$1,200, as given in last issue.

NIAGARA FALLS, ONT.—The corporation will shortly invite tenders for the purchase of \$6,000 of debentures.

KEMPTVILLE, ONT.—It is authentically reported that the government will build a swing bridge at Clothier's wharf.

ST. ANNE'S, QUE.—The Grand Trunk Railway Co. will erect an open span bridge over the river at this place.

PORT ARTHUR, ONT.—The council has decided to either lay new sidewalks or build new ones throughout the town.

EMBRO, ONT.—The plans of Herbert Matthews, architect, have been accepted for alterations to Knox church here.

BROCKVILLE, ONT.—The Brockville Peat Company have just commenced the erection of buildings at Elizabethtown.

FORT WILLIAM, ONT.—F. E. Head, architect, wants tenders by 25th inst. for building brick block for G. W. Fullerton.

ALMONTE, ONT.—Andrew Bell, C.E., of this town, is preparing plans for stone addition to the Rosamond Woollen Mills.

CHATHAM, ONT.—Powell & Carswell, architects, have prepared plans for bank building for W. C. Crawford, of Tilbury.

THOROLD, ONT.—W. T. Fish, town clerk, wants tenders by Saturday, June 3rd, for purchase of \$10,000 of debentures.

MOUNT FOREST, ONT.—A by-law to raise \$4,000 by debentures for waterworks extension has passed its third reading in council.

MERRITTON, ONT.—Plans submitted by Chester Phelps, of Niagara Falls, N.Y., have been accepted for a new Presbyterian church.

PORT HOOD, N. S.—The town clerk invites tenders up to June 15th for the purchase of \$10,000 of debentures, in sums of \$500 or more.

HARROW, ONT.—Tenders for construction of three tanks, to contain 500 barrels of water each, will be received by C. I. Pastoris up to June 1st.

QUEBEC, QUE.—The city wants tenders by May 30th for supply of 1,000 feet of fire hose. Address, Aug. Malouin, secretary Fire Committee.

HOLSTEIN, ONT.—D. Allan invites tenders up to 29th inst. for construction of bridge at Lot 18, concession 5, Egremont, to have span of 70 feet.

WINDSOR, N. S.—I. S. Prenner, engineer, of Chicago, is making plans and estimates of a plant for the Windsor Calcium Carbide Company.

RAT PORTAGE, ONT.—The town engineer is preparing an estimate of the cost of a steel highway bridge between Mining and Martha streets.

YARMOUTH, N. S.—A committee, consisting of the mayor and councillor Phillips, has been appointed to obtain plans for a new engine house.

SHERBROOKE, QUE.—Tenders will be called immediately for alterations to the Gardner Tool Works, to be occupied by the Sherbrooke Carpet Co.

SARNIA, ONT.—The Grand Trunk Railway Company purpose erecting a Y. M. C. A. building here.—The council has decided to invite tenders for granolithic walk on Cromwell street.—A sewer will likely be built on Wellington street, east of Mitton, to cost \$1,600.

THAMESVILLE, ONT.—Powell & Carswell, architects, of Chatham, are preparing plans for new hotel for James Watt, of this place, to cost \$5,000.

CARMAN, MAN.—The Carman Telephone Exchange Co. is applying for incorporation. J. E. Campbell, F. D. Stewart, and others, are interested.

CAMPBELLTON, N. B.—In connection with the Restigouche and Western railway, a bridge will be constructed over the St. John river at St. Leonards.

BERLIN, ONT.—The Laidlaw-Watson Shoe Co. purpose building a factory, 45 x 100 feet, provided they are granted exemption from taxation by the town.

CHARING CROSS, ONT.—S. S. White wants tenders by 31st inst. for erection of frame residence, brick foundation, improved plumbing, hot air heating.

GALT, ONT.—The electors voted down the by-law to raise \$75,000 by debentures for construction of sewers. The school improvement by-law was carried.

HULL, QUE.—A by-law will shortly be submitted to the ratepayers authorizing a loan of \$7,100 for building a bridge across Brigham's creek and a fire station.

DUNDAS, ONT.—Wm. Stevenson is having plans prepared for new hotel to be built in this town.—J. H. Bowman contemplates erecting a row of dwellings.

PRESTON, ONT.—A by-law will shortly be submitted to raise \$6,000 for local improvements.—Some steel or iron bridges will likely be built by the corporation.

FERGUS, ONT.—The proposed steel bridge near Wilson's mills, for which plans are being prepared by J. Hutcheon, city engineer of Guelph, will cost \$3,000.

HOLMEDALE, ONT.—The congregation of St. Paul's church have decided to build a school room. Committee consists of Messrs. Hartwell, Lake, Creassor, Webster, Whittaker and Ginn.

PETERBORO', ONT.—Bishop O'Connor and the authorities of St. Peter's cathedral have decided to build a house of providence in Ashburnham, from plans by J. E. Belcher, architect.

DAUPHIN, MAN.—Plans are being prepared for a Presbyterian church, for which tenders will shortly be asked.—Several business blocks and a large number of dwellings are projected.

PEMBROKE, ONT.—James Stewart, chairman Public Works Committee, desires tenders by May 29th for construction of retaining wall at May and Miller streets, and for rebuilding Mary street bridge.

ST. CATHARINES, ONT.—James Paxton will shortly commence the erection of a residence.—It is reported that the property, corner of Ontario street and Welland ave., has been purchased for building purposes.

PRINCE ALBERT, N.W.T.—Tenders have been asked for building new school, two storeys, eight rooms, brick, furnace heating.—Bids are invited by J. M. Coombs up to June 12th for purchase of \$9,000 public school debentures.

DESERONTO, ONT.—The Fire Committee has recommended the purchase of a hook and ladder truck, hose wagon and reel, and 1,000 feet of hose. It is probable that a fire hall will be built also, from plans of Mr. Hanley, of Belleville.

ALVINSTON, ONT.—E. Reader, of this place, desires tenders by June 3rd for erection of brick school house in S.S. No. 18, Brooke.—Daniel McKellar invites tenders up to June 15th for brick or concrete foundation under school house of S. S. No. 15.

LONDON, ONT.—T. C. Knott will build a brick cottage on Central avenue, between Richmond and Albert streets, to cost \$1,400.—Wm. Kennedy, hydraulic engineer, of Montreal, will report upon the feasibility of rebuilding the waterworks dam.

TRENTON, ONT.—Bids are invited up

to June 6th for construction of the Central Ontario Railway to Bancroft, a distance of 21 miles, consisting of clearing, grading, timber and concrete work, and telegraph line. Plans at office of J. D. Evans, chief engineer, this town.

SMITH'S FALLS, ONT.—J. A. Ellis, architect, of Toronto, has been commissioned to prepare plans for addition to buildings of Frost & Wood Co., involving an expenditure of \$30,000.—J. H. Moore will act as town engineer in connection with proposed construction of granolithic walks.

VANCOUVER, B. C.—The proposed drill shed in this city, for which tenders are now invited, will cost about \$100,000.—It is understood that an eastern syndicate is negotiating for the purchase of some copper mines on Lynn creek. The plans of the company include the putting in of a tramway.

OWEN SOUND, ONT.—W. H. Smith intends erecting a building for his coal and salt business.—The Georgian Bay Portland Cement Co. will construct a spur line of railway from the C. P. R. to Williams lake.—The North American Bent Chair Co. purposes installing a complete system of fire protection.

VICTORIA, B. C.—John Teague, architect, is calling for tenders of brick building for W. C. T. U.—The by-law to borrow \$10,000 was carried by the ratepayers last week.—The trustees of the First Congregational church have purchased property on which to build a new church, probably during the coming summer.

BRANTFORD, ONT.—The council has given notice of its intention to construct a number of cement sidewalks and sewers.—The county council has decided to invite tenders up to June 15th for alterations to the court house, including carpenter work, reseating, etc.—The Massey-Harris Co. will erect an important addition to their moulding shop in the near future.

ORILLIA, ONT.—The council has made a proposition to supply light and power for the Asylum for Idiots, agreeing to put in a 750 light transformer and a power transformer.—W. H. Crocker, architect, has been engaged to superintend the erection of power house at Ragged Rapids and to prepare plans for engineer's residence and sub-station at the market.

WATERLOO, ONT.—A site for the proposed waterworks pumping station has not yet been decided upon.—The councils of Waterloo and Wellington counties have decided to erect an iron bridge, with stone piers, over the Conestogo creek.—Tenders for alterations and additions to office of the Ontario Mutual Life Insurance Co. will be received by Geo. Weggenest, manager, up to May 29th.

GUELPH, ONT.—The municipality will be compelled to shortly take steps to repair Wells' bridge or build a new structure.—Tenders closed on Monday last for addition and sanitary improvements to residence on Arthur street for Col. Higinbotham, from plans by W. F. Colwill, architect.—Professor Shuttleworth, of the Ontario Agricultural College, intends building a residence this summer. It is said that John McKinnon will also build.

KINGSTON, ONT.—Power & Son, architects, want tenders by 29th inst. for steam heating, metal, plumbing, slating and painting work in connection with rebuilding St. George's Cathedral.—Tenders are invited up to 29th inst. for tin-smithing and painting for Board of Education. Address, John Macdonald, secretary-treasurer.—The city engineer has estimated the cost of the proposed Victoria street drain at \$7,400.—H. P. Smith, architect, is preparing plans for two fine residences, opposite the city park, for G. S. Oldrieve. The same architect is taking tenders for remodelling the offices of Donoghue Bros., grain merchants, On-

ario street.—A company is being formed here for the construction of a new opera house.

NEW WESTMINSTER, B. C.—Plans are being prepared for new hotel building for the trustees of the Douglas estate.—It is understood that Gilley Bros. will erect an addition to their warehouse.—The board of school trustees have decided to build an addition, 20 x 30 feet, to the Westside school.—Clow & Welsh, architects, are preparing plans for a two-storey residence for Herbert Gilley, a two-storey cottage for Mrs. Archie Kirkland, and an addition to house for Robert Jardine.—G. W. Grant, architect, has in hand alterations to the old Queen's hotel premises.

HAMILTON, ONT.—Wm. & Walter Stewart, architects, have been instructed by Semmens & Ewel to prepare plans for a large factory building, brick, three storeys, 50 x 150 feet.—The scheme to erect a building for the Art School, Technical Institute and Y. M. C. A. seems likely to be carried out. The proposed building will cost about \$30,000.—Geo. Hope has taken out a permit for a residence on Duke street, to cost \$1,200.—Voting on the by law to raise \$150,000 to construct tar-macadam roadways takes place on Thursday, 25th inst.

ST. JOHN, N. B.—The Street Railway Co. will make further extensions this spring.—The provincial government has agreed to give \$5,000 a year for forty years to the dry dock scheme. The council has laid before the government a proposition for the extension of the wharves at Sand Point.—R. C. John Dunn, architect, is preparing plans for a stone school house at Bathurst and for improvements to the Adams hotel.—The Cushing Sulphite Fibre Co. is this week taking tenders on excavation and masonry of pulp mill, from plans by F. W. Holt, C.E., 94 Prince William street.—The corporation invites tenders up to Saturday next for building a brick and stone gate house and repairing caretaker's house at Spruce lake. Plans at office of W. Murdoch, C.E.

OTTAWA, ONT.—E. F. E. Roy, secretary Department of Public Works, invites tenders up to June 9th for construction of wharf, with stone approach, at St. Roch des Aulnais, Que. Plans at above department and at office of the Dominion Public Works, Quebec city.—The Russell House Co. will probably build an addition to the Russell hotel.—Several wealthy New York citizens are endeavoring to secure a tract of land in Pontiac county, to be turned into a game preserve, and on which to erect club houses, etc.—The power house in connection with the proposed calcium carbide factory will be built of brick and stone. The contracts for the necessary machinery will be let in the near future.

WINNIPEG, MAN.—The old Holy Trinity church property, corner Portage ave and Garry street, has changed hands, Mr. Hayward negotiating the deal. It is the intention of the new owner to erect a business block on the property.—It is reported that the English Chop House site, on east side Main street, near McDermott, has been purchased by the Bank of Hamilton.—A presbytery is to be erected for St. Marys church by the Oblate Fathers. The plans, prepared by S. Hooper, architect, show a three-storey building, of brick and stone, interior of oak, and heated by hot water.—A. M. Fraser, 616 Donald street, is about to make improvements on his terrace of six houses on Young street.—The C. P. R. contemplate making extensive improvements in the stock yards in the way of flooring and roofing.—The Baker property, corner of Portage ave. and Donald street, has been purchased by J. A. N. Aikins.—Mr. Millican, C. E., of the public works department, has gone to Deloraine, to lay out some bridge work.—It is possible that another by-law will be submitted to the ratepayers to authorize the

council to install an electric plant for domestic lighting and power, as well as for civic lighting.—Mr. McHenry, chief engineer of the Northern Pacific Railway, states that the re-building of the block of office buildings in this city will be commenced immediately.—The council has decided to call for tenders for a high speed engine and other supplies for the electric light plant.—The time for receiving tenders for softening plant has been extended to July 3.—It is rumored that the T. Eaton Co., of Toronto, have acquired property on Portage ave. on which to build a brick block, to be used for a departmental store.—The Sisters of the Holy Names of Jesus and Mary have purchased property on River ave. on which to build a ladies' college.—It is understood that the C.P.R. will build a branch line from Whittemouth to Lac du Bonnet.

MONTREAL, QUE.—Plans are maturing for the erection of maternity and contagious hospitals in connection with the Montreal general hospital.—A number of prominent United States capitalists are said to have joined A. J. Coriveau, of this city, in his Lake Champlain and St. Lawrence canal and railway enterprises.—Plans will be prepared immediately by Mr. Janin for the repairs to reservoirs.—The city clerk wants tenders by Friday of this week for repairs to the civic hospital. Plans at Health Department.—There is keen competition for the contract for stone for the Grand Trunk offices. It is believed that the matter has been left almost entirely in the hands of Mr. Waite, the architect.—Mr. Stephen Jarvis, owner of the rights to manufacture the Owen fireproof and frost proof stone, is in the city for the purpose of organizing a company to establish a factory in Canada. The Real Estate Record reports that the building prospects for the summer are excellent, the principal work being in the line of improvements to business premises.—The Dominion government intends to complete the telegraph service between Quebec and Belle Isle within the next two years.—The Water Committee has sent a requisition to council asking for \$55,000 for the purchase of another pump.—L. A. Monette, architect, has prepared plans for stone church at St. Julie, contracts for which have not yet been awarded.—MacVicar & Heriot, architects, have prepared plans for four brick and stone houses for John T. O'Leary.—Building permits have been granted as follows: J. G. Kennedy, four dwellings on St. Famille street, two storeys and basement, stone front, cost \$13,200 (architect, C. B. Paterson); trustees Holiness Movement, brick church on Mayor street, cost \$2,000; Henry Morgan & Co., store on Aylmer street, five storeys, sandstone front, cost \$10,000 (architect, R. Findlay); Canadian Rubber Co., building on Voitegeus street, cost \$15,000; Montreal Street Railway, workshops corner Harbor and St. Catharine street, cost \$47,000, pressed brick, also brick faced building, Barre street, cost \$6,500 (E. Maxwell, architect); Pat. Wright, dwelling, corner Mountain and Dorchester, stone and brick, cost \$7,000 (architect, W. E. Doran).

TORONTO, ONT.—Chadwick & Beckett, architects, 18 Toronto street, want tenders by Friday of this week for carpenter work and roofing of buildings for the Toronto Poultry & Garden Produce Co., North Toronto.—Gordon & Hellwell, architects, have just taken tenders on alterations to a warehouse on Bay street.—The Board of Management of the Working Boys' Home have obtained \$10,000 towards the proposed new building. It has been decided not to proceed with the building until the full amount, \$20,000, has been subscribed.—The Board of Control have adopted the recommendation of the city engineer to transfer \$7,000 from balances left from Yonge street paving contracts to pave King street allowance, from Sherbourne to River. The following works are recommended to be carried out: Asphalt pavements—Bernard ave., Avenue road to Bedford road, cost \$5,720; Churchill ave., Dovercourt road to point 715 feet east, cost \$5,800. Brick, on broken stone foundation—Fuller street, Queen street to Pearson ave., cost \$5,080. Cedar block—Rolyat street, Dundas street to Grove ave., cost \$1,490. Macadam—Pembroke street, Shuter street to Wilton ave., cost \$2,190; Sackville street, from Wellesley street north 256 feet, cost \$755. Concrete walks—Huron street, both sides, Huron to Bloor, cost \$1,978; Bay street, west side, King street to Wellington street, cost \$844; Queen street, north side, Dovercourt road to Gladstone ave., cost \$3,360; Avenue road, west side, Bloor street to Davenport road, cost \$1,900; also on east side, between the same points, cost \$1,877; St. George street, east side, Lowther ave. to point 200 feet north, cost \$200; also 140 new sidewalks.—Building permits have been granted as follows: Robert Simpson Co., building corner Richmond and Yonge streets, cost \$45,000; Toronto Conservatory of Music, three-storey addition to building, corner University ave. and College street; Wm. Blashford, two-storey brick residence, 308 Ontario street, cost \$3,000; Thos. Waters, brick-cased two-storey dwelling, south-east corner Grant and Clarke streets, cost \$1,200.—Tenders are wanted at the office of S. G. Curry, architect, by 27th inst., for erection of brick factory at New Toronto.—The purchase of the J. D. Allen lot for the purpose of making additions to the Cowan avenue fire hall has been recommended by a committee.—J. A. Ellis, architect, is preparing plans for addition to the Gurney Foundry Co.'s works, also for extensive alterations and additions to the works of the Frost & Wood Co. at Smith's Falls, to cost upwards of \$30,000.—Arrangements are in progress for the erection of two houses at the north-east corner of Lowther avenue and Huron street.—The sites are prepared for the erection of two houses on the north side of Bloor street, near Avenue road.

FIRES.

Steam saw mill at Stoke, near Sherbrooke, Que., owned by David Galbraith; no insurance.—Flour and grist mill at Brantford, Ont., owned by Wood Bros; loss \$18,000, insurance \$6,500.—Resi-

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OWEN SOUND, ONT.

dences of D. Vanne and Felix Cromier and carriage and blacksmith shop of Mr. Hardy at Wickham, Que., totally destroyed.—Dwelling of John Tracy at Milltown, N. B.; loss \$1,500.—Government house at Victoria, B. C.; loss \$20,000, insurance \$12,000.—Chateau Frontenac at Quebec, Que., damaged to the extent of several thousand dollars.—House of Guy Carr at Compton, Que.

CONTRACTS AWARDED.

ALVINSTON, ONT.—Reader block: M. Gillespie & Co., contractors.

COLLINGWOOD, ONT.—Residence for E. A. Ditson: Wilson Bros., contractors.

BELLEVILLE, ONT.—Granolithic walks: F. Dolan, contractor, 17 cents per foot.

PORT DALHOUSIE, ONT.—Factory for Toronto Rubber Shoe Company: Newman Bros. and Wilson & Son, contractors.

ST. JOHN, N. B.—Brick and stone residence for R. E. Croupe (Geo. E. Fairweather, architect): Carpentry, A. Myles; masonry, Robert Maxwell.

HAMILTON, ONT.—Two storey brick residence for sexton of Holy Sepulchre cemetery: Robert Clohery, architect; Michael White, contractor.

ORILLIA, ONT.—Closets for Collegiate Institute: Toronto Furnace & Crematory Co., contractors, \$420. Keith & Fitzsimmons Co., Toronto, tendered at \$449.

KINGSTON, ONT.—H. P. Smith, architect, has let the contracts for remodelling vault, etc., in connection with improvements to St. Mary's cemetery to the following: Masonry, H. W. Watts; carpentry and fencing, R. Davidson; painting, H. Belanger; tile draining, Sullivan & O'Neil.

WINNIPEG, MAN.—The tender of Dobson & Jackson has been accepted for sewer on Aikins street, \$4,623, and that of W. F. Lee for sewers on Main street and Redwood avenue, \$6,318, and on St. John's avenue, \$21,399.50.—Completion of McMahon drain: Wm. Slater, of Balmoral, contractor.

OTTAWA, ONT.—Keating, Stewart, Wilson & Boucher have been awarded the contract for mason work on the Great Northern railway, from Grenville to St. Jerome, including stone for bridge across the Ottawa river at Hawkesbury; contract price, about \$30,000.—The contract for vitrified clay pipes has been awarded to McKinley & Northwood.

TORONTO, ONT.—Messrs. Burke & Horwood, architects, have awarded contracts as follows for the additions to the R. Simpson Co.'s departmental store: Masonry, C. C. Witchall; carpentry, Moir & McCaul, Toronto; structural iron work, Dominion Bridge Co., Montreal; cast iron work, St. Lawrence Foundry Co., Toronto; roofing and sheet metal work, Geo. Ringham, Toronto; painting, Taylor & Co., Toronto; pressed brick and terra cotta, Toronto Pressed Brick & Terra Cotta Works, Milton, Ont.

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BRANTFORD, ONT.—The Waterous Co. have recently shipped the following: 700 gallon steam fire engine to city of Victoria, B.C.; 65 foot Hayes aerial truck to city of Hamilton; 12 ton steam road rollers to corporations of Cornwall and Belleville; hook and ladder truck to city of Guelph; 1,000 gallon fire engine and 75 foot Hayes aerial truck, to be shipped in July to city of Vancouver; 5½ ton horse road rollers to Windsor and Wolfville, N.S.

MONTREAL, QUE.—The Harbor Commissioners have let contracts for supply of timber and planks as follows: W. H. Kelly Lumber Co., \$11,860; H. Dupre, \$8,214.70; Robert Acker, \$3,750; Shearer & Brown Co., \$2,528.—The Water Department have accepted the following tenders: Cast iron pipes, Montreal Pipe Co., \$29.50 per ton; lead pipe, Montreal Rolling Mills, 25 tons at \$4.72 per 100 lbs., and Thos. Robertson & Co., 45 tons at \$4.70; soft pig lead, James Robertson & Co., \$4 per 100 lbs.; lumber, J. T. Marchand; castings, Wm. Rodden & Co., \$45 per ton; brass castings, Rubenstein Bros., 15 cents per lb.—The following tenders were submitted for constructing main sewer in St. Denis ward: Pegnam & Dohoney, \$44,450; Rogers & Taylor, \$43,500; Chartier & Robin, \$53,300; Theophile Leclerc, \$54,754.24; Nap. Laporte, \$40,759; Hyacinth Bourgoquin, \$56,503.10; McDonald & O'Connor, \$55,842.49; Keegan & Hefferman, \$39,900; Z. Perrault & Son, \$45,239.38. The tender of Keegan & Hefferman has been accepted.—L. A. Monette, architect, has prepared plans for two stores on St. Catharines street for Mrs. M. L. Elliott. Iron work has been let to the Dominion Bridge Co. and roofing to Montreal Roofing Co.—Chas. Chausse, architect, has just let contracts for stone and brick work on two cottages in Westmount; other trades will be let this week.—MacVicar & Heriot, architects, have accepted tenders as follows for sandstone house for B. Tooke, on MacGregor street: Masonry, Labelle & Payette; carpentry, Geo. Roberts; plumbing, James Ballantyne; roofing, G. W. Reed & Co.; plastering, John McLean; painting, W. P. Scott.

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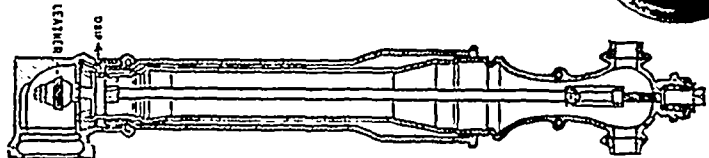
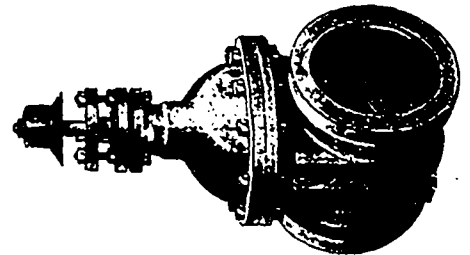
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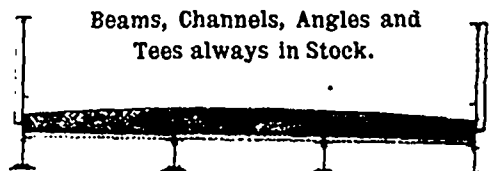
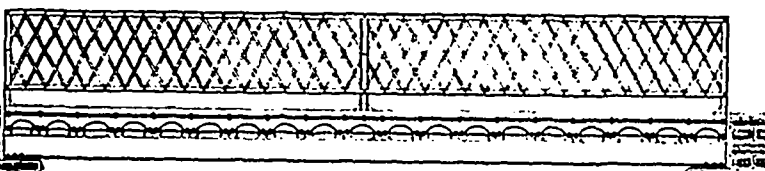
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BIDS.

HINTONBURG, ONT.—Three tenders have been received for erection of pump house for waterworks system, from T. A. Stott, this village, Cowan & Dolan, Ottawa, and Wm. Garvick, Ottawa.

CHATHAM, ONT.—The following tenders were received for granolithic sidewalks: Silica Barytic Stone Co., Ingersoll, 19 cents per square foot; Guelph Pavement Co., 12 cents; Thos. Kime, 15 cents; W. H. Carswell, 14½ cents. Tenders have been referred to Board of Works, but it is probable that the Guelph Pavement Company will be awarded the contract.

NANAIMO, B. C.—Tenders for supply of a steam fire engine were received by the city as follows: Merryweather & Son, London, England—price on London docks, £828; in Montreal, £860. J. A. Ronald & Co., Brussels, Ontario—price delivered in Nanaimo, \$3,950. Shand, Mason & Co., London, England—price £800 on London docks. Tenders referred to fire wardens for a report.

OTTAWA, ONT.—Seven tenders for pumping machinery for the waterworks system were opened by the council last week, as follows: Chaudiere Machine and Foundry company—triplex 7, \$37,630; 2 duplex 7, \$36,650; water wheel alone, \$9,310. H. B. Merrill, for Worthington Pump Company, New York—2.48 wheels, \$7,475; 7 mil. 2 duplex, \$23,625; 7 mil. 2.54 duplex wheels, \$9,875; 10 mil. 2 triplex, \$33,500; 2.42 triplex wheels, \$7,500. Jenckes Machine Company, Sherbrooke, Que.—2 35 triplex wheels, \$3,500. Kerr Engine Company, Walkerville, Ont.—1 duplex wheel, \$26,385; 2 duplex wheels, \$32,905. R. D. Wood, Philadelphia—1 10 mil. \$53,000; 2 5 mil., \$44,300; 3 7 mil., \$39,400; 4 14 million, \$67,460. The Northey Company, Toronto—2 pairs duplex wheels, \$32,310; 2 pairs duplex wheels, \$36,430; 2 pairs triplex, \$8,450; 2 pairs triplex, \$53,790. The Holly Company, Lockport, N. Y.—2 duplex pumps, \$23,729. Stillwell, Bierce Company, Dayton, Ohio—2 duplex pumps, \$56,000.



PORTLAND CEMENT.

The following conditions are enforced by the Russian Government in selecting Portland cement:—

1. Casks of cement furnished for building purposes are to be of uniform weight, say, 180 kilos gross and 170 kilos net. That upon each cask be plainly stamped the trade mark of the factory and the weight, both gross and net. That the loss of cement from spilling and for difference in filling casks should not exceed 2 per cent.

2. Cement intended for building purposes should always be of the slow setting kind, for such cements are more easily worked, are more reliable and possess greater power of adhesion. Cement is considered slow setting when it does not set before the expiration of three-fourths of an hour after mixing the paste. Portland cement hardens more slowly as the temperature falls; therefore, to avoid misunderstandings, all tests should be conducted in a room having a uniform temperature of 15 to 18 deg. centigrade, and only water of about the same temperature should be used. During the process of setting slow-hardening cements generate but little heat, while with the quick setting a considerable rise of temperature may ensue. To ascertain the time of setting, a cake of pure cement, prepared upon a glass plate, is taken. After the lapse of the above-mentioned time this cake must have acquired such a degree of hardness that the passage of a finger-nail gently grating it should leave no trace and no water ooze out when the surface of the cake is lightly rubbed.

3. A cement cake prepared upon a glass plate and immersed in water some time after setting should, after remaining

under water twenty-eight days, show no cracks or warping on its edge.

4. Portland cement must be milled into as fine a powder as possible. After passing through a sieve of 900 openings to the square centimetre, there should in no case remain upon the sieve a residue exceeding 20 per cent.

5. The adhesive power of Portland cement is determined by submitting to tests of rupture a mixture of cement and sand, seven and twenty-eight days after making the mortar, and also the pure cement after seven days. The tests must be made with the same apparatus, with samples of similar section, in an identical manner. For normal tests normal sand is employed, prepared from natural quartz sand, which is passed through a series of sieves and washed. The section of samples at the point submitted to rupture must be 5 square centimetres. In making samples, all their component parts must be taken by weight.

6. A mixture of one part of cement to three of normal sand twenty-eight days after setting must bear, as its minimum power of resistance to rupture, a strain of 8 kilograms to the square centimetre. Normal sand used in massing samples is prepared thus:—A quantity of natural sand is passed through sieves of 64, 121 and 225 meshes to the square centimetre. Next, the portion which shall have remained upon the sieve of 64 meshes, and that passed through the sieve of 225 meshes, are thrown away, and the sand remaining on sieves of 121 and 225 meshes is mixed in equal parts; this mixture constitutes normal sand. To make cement paste or mortar, water is added in the proportion of 50 per cent. by weight of pure cement, or 12½ per cent. by weight of the dry mixture of cement and sand. This rule is to be applied if the manufacturer whose cement is being tested does beforehand state what proportion of water is best used with his cement. To attain all possible uniformity of quality, in cases where cement of the same brand is received in several lots, tests of pure cement are made.

(To be Continued.)

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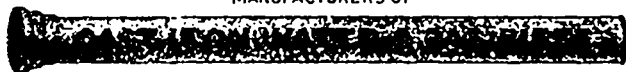
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Quebec and Vermont rough granite for building purposes, per c. ft. in. h. quarry	40	1 00
For ornamental work, cu. ft. Granite paving blocks, 8 in. x 12 in. x 6 in. x 4 1/2 in., per M.		50 00
Granite curbing stone, 2 in. x 20 in. per lineal foot.....		70

CREDIT VALLEY STONE.

Rubble, per car of 16 tons.....	7 00	
Brown Coursing up to 10 in., 1 1/2 sup. yard.....	1 1/2	1 1/2
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.....	50 00	
Ashlar, per cub. yd.....	2 00	
Dimension, per cub. ft.....	18	

SLATE.

	Toronto.	Montreal.
Roofing (P square), red.....	17 50	20 00
" purple.....	8 50	10 00
" untinted green.....	8 50	7 00 8 00
" black.....	7 50	6 50
Terra Cotta Tile, per sq.....	20 00	25 00
Ornamental Black Slate Roofing.....	8 80	6 80

CEMENT, LINK, etc.

Portland Cements—			
German, per ton.....	2 90	3 10	2 25 2 65
London.....	2 95	3 00	2 25 2 45
Newcastle.....	2 70	3 10	1 95 2 10
" Joseph's Bra Portland.....	3 25	3 25	2 70 2 80
" Dyckerhoff.....	3 05	3 25	2 75 2 90
North's "Conder".....	2 95	3 10	2 65 2 80
English, artificial, per bbl.....	2 85	3 00	2 50 2 45
Belgian, natural, per bbl.....	2 10	2 25	2 10 2 20
Canadian, artificial.....	2 85	3 00	2 60 2 70
Roman.....			2 00 2 25
Parian.....	5 25	5 25	5 70 5 75
Superfine.....	1 25	7 00	8 25 9 00
" Karlstadt" (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
" Key-stone" (Belgian).....			2 15 2 20
" Anvil" (Belgian).....			1 90 2 05
" Burham" (English).....	2 95	3 10	2 25 2 45
Hydraulic Cements—			
Thorold, per bbl.....	1 50		1 65
Queenston.....	1 50	1 50	1 60
Napanee.....	1 50		1 50
Hull.....	1 50		1 50
Ontario.....	2 25		

Keene's Coarse "Whites".....	5 50	6 00	5 00	5 50
Fire Bricks, Newcastle, per M.....	30 00	35 00	16 00	21 00
" Scotch.....	30 00	35 00	19 00	21 00
Lime, 100 lbs., Grey.....			25	
" " White.....			30	30
Plaster, Calcined, N. B.....			2 00	1 50
" " N. S.....			2 00	1 50
Hair, Plasterers', per bag.....	80	1 00		0 00

HARDWARE.

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

Cut nails, 50d & 60d, per keg.....	1 80	1 85
Steel " " ".....	1 90	1 95

CUT NAILS, FENCE AND CUT SPIKES.

40d, hot cut, per 100 lbs.....	1 85	1 85
10 to 20d, hot cut.....	1 95	1 95
8d, 9d, " ".....	2 00	2 00
6d, 7d, " ".....	2 15	2 15
4d to 5d, " ".....	2 25	2 25
3d, " ".....	2 85	2 85
2d, " ".....	2 85	2 85

Cut spike, 20 cents per keg advance.
Steel Nails, 1 c. per keg extra.
Wire nails, 20 base, 10c.

Iron Pipe:

Iron pipe, 1/2 inch, per foot.....	6c.	6c.
" " 3/8 " ".....	7	7
" " 1/2 " ".....	8 1/2	8 1/2
" " 3/4 " ".....	12	12
" " 1 " ".....	17	17
" " 1 1/4 " ".....	24	24
" " 1 1/2 " ".....	30	30
" " 2 " ".....	43	43

Toronto, 65 per cent. discount.
Montreal, 70 per cent. discount.

Lead Pipe:

Lead pipe, per lb.....	7c.	25 per.
Waste pipe, per lb.....	7 1/2	cent. dis.

Galvanized Iron:

Adam's—Mar's Best and Queen's Head and Opello:			
16 to 24 gauge, per lb.....	4 1/2 c.	4 1/2 c.	4 1/2
26 gauge, ".....	4 1/2	5	4 1/2
28 " ".....	5	5 1/2	4 1/2
Gordon Crown—			
16 to 24 gauge, per lb.....	4 1/2	4 1/2	4 1/2
26 gauge, ".....	4 1/2	4 1/2	4 1/2
28 " ".....	4 1/2	5	4 1/2

Note.—Cheaper grades about 1/2 c. per lb. less.

Structural Iron:

Steel Beam, per 100 lbs.....	2 75	2 00
" channels, ".....	2 85	2 30
" angles, ".....	2 50	2 61
" tees, ".....	2 80	2 65
" plates, ".....	2 55	2 00
Sheared steel bridge plate.....		2 30