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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. II. AUGUST 22, 1900 No. 29.

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 tender.

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TOWN OF ST MARYS

TENDERS FOR STEAM PLANT AND POWER HOUSE

Sealed tenders will be received by the Town Clerk, St. Marys, Ont., until

Wednesday, August 29th, 6 p. m.

for the furnishing and erecting of:

- One 100 h. p. Tandem Compound Engine.
- One 50 h. p. Single Cylinder Engine, Shafting, Clutches, Pulleys, Etc.
- Two Independent Jet Condensers.
- Two 75 h. p. Tubular Boilers.
- Boiler Feed Pump, Piping, Accessories, Etc.
- Stone Power House, 65 feet by 36 feet.

Plans and specifications may be seen at the Town Clerk's office, St. Marys, or at the office of the Consulting Engineer, Toronto.

The lowest of any tender not necessarily accepted

L. HARSTONE, Town Clerk,
St. Marys, Ont.
RODERICK J. PARKE,
Consulting Engineer,
409 410 Temple Building, Toronto, Ont.

CONTRACTS OPEN.

PHOENIX, B.C.—It is proposed to build a new school here.

ARNPRIOR, ONT.—Mayor Howe will probably build a new residence.

PARIS, ONT.—The contract will probably be let this week for cement walks.

REGINA, N. W. T.—The contract is about to be let for a new hospital building.

KASLO, B.C.—The prospects are said to be bright for the erection of a smelter here.

BARRIE, ONT.—The Barrie Canning Co. want tenders for stone for their new building.

EAST TORONTO, ONT.—It is probable that new tenders will be invited for a civic electric light plant.

SHERBROOKE, QUE.—The city will build a retaining wall around certain property on Wellington street.

BERLIN, ONT.—Plans have been prepared for the new building to be built by the Star Whitewear Company.

GREENWOOD, B.C.—Andrew Laidlaw, manager of the Standard Copper Co., has purchased a site here for a smelter.

STONE CREEK, ONT.—A by-law to raise \$4,000 to build a township hall was defeated by the ratepayers last week.

HARRISTON, ONT.—The township of Minto will proceed with the construction of drain No. 2, estimated cost, \$2,600.

BELLEVILLE, ONT.—The city will have plans prepared at once for rebuilding the stone wall abutting the upper bridge.

BRIDGEBURG, ONT.—Plans have been prepared for a new freight house and passenger station at the international bridge.

BLENHEIM, ONT.—H. J. Powell, architect, of Stratford, has prepared plans for school to be built here, estimated cost, \$20,000.

MEDICINE HAT, N.W.T.—Bids are invited by W. N. Ansit, town clerk, up to September 15th for purchase of \$40,000 of debentures.

BROCKVILLE, ONT.—B. Dillon, architect, has taken tenders on improvements to two houses, corner James street and Victoria avenue.

BURNS, ONT.—J. Watson, clerk of Mornington township council, has been instructed to prepare debentures for cleaning out the 14th drain.

CORNWALL, ONT.—A by-law will likely be submitted to the ratepayers to raise \$1,000 for the purchase of a site for an armory and drill shed.

LEVIS, QUE.—Tenders will be invited immediately for the erection here of new station for Intercolonial Railway, to be two stories, 155 x 50 feet.

COLLINGWOOD, ONT.—The Collegiate Institute Board have asked the council to issue debentures for \$2,500 to provide for necessary improvements.



SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for Piers and Abutments, Des Joachims Interprovincial Bridge, opposite Upper Slide," will be received at this office until FRIDAY, THE 31ST AUGUST, 1900, for the Masonry required in connection with the projected Iron Bridge over the main channel of the Ottawa River opposite the Upper Slide at Rapids des Joachims, County of Pontiac, P.Q., according to plans and a specification to be seen on application to the Post master, Pembroke, Ont., and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of tenderers.

An accepted cheque on a chartered bank, payable to the order of the Minister of Public Works, for fifteen hundred dollars (\$1,500.00), must accompany each tender. The cheque will be forfeited if the party decline to contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

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

By order,
JOS. R. ROY,
Acting Secretary.

Department of Public Works,
Ottawa, August 22d, 1900.

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

SEALED TENDERS, addressed to the undersigned and endorsed "Tender for Hull, P.Q., Wharf," will be received at this office until FRIDAY, THE 31ST AUGUST, 1900, inclusively, for the construction of a Concrete and Masonry Wharf at Hull, P.Q., according to a plan and specification to be seen at the office of H. A. Gray, Esq., Engineer in Charge Harbour and River Works for Ontario, Confederation Life Building, Toronto, at the office of G. Desjardins, Post Office, Montreal, and at the Department of Public Works, Ottawa.

Persons tendering are notified that tenders will not be considered unless made on the form supplied and signed with their actual signatures.

Each tender must be accompanied by an accepted cheque on a chartered bank, made payable to the order of the Honourable the Minister of Public Works, for three thousand five hundred (\$3,500) dollars, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

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

By order,
JOS. R. ROY,
Acting Secretary.

Department of Public Works,
Ottawa, Aug. 21th, 1900.

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

BUSINESS NOTES.

E. C. Mount & Company, plumbers, Montreal, are said to be offering 25 cents on the dollar.

Moir & Frost have registered partnership as granite and marble manufacturers at Beebe Plain, Que.

A meeting of the creditors of the Owen Sound Granolithic Company is announced to be held on the 25th inst.

James Brown & Company, hardware, plumbers, etc., Leamington, Ont., have sold out to Mettam & London.

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.

RAT PORTAGE, ONT.—The town engineer has recommended the construction of a sewer on Julia, Lottie, and Agnes streets, at estimated cost of \$3,750.

OXFORD CENTRE, ONT.—East Oxford council have instructed F. G. Jackson, municipal clerk, to secure tenders for the construction of the Parkinson drain.

OUTREMONT, QUE.—Julius Kruse, secretary treasurer of the municipality, invites bids up to August 27th for construction of a sewer on Outremont avenue.

MARSHVILLE, ONT.—Wainfleet township council will employ an engineer to prepare plans and estimate of cost of improvements to the second main drain.

BURK'S FALLS, ONT.—If granted a bonus by the corporation it is the intention of Knight Bros. & Co. to reconstruct and enlarge their saw and planing mills.

CHARLOTTETOWN, P.E.I.—C. B. Chapell, architect, has prepared plans for the Whitney hospital at Glace Bay, C.B., to be built of brick and stone, cost \$25,000.

NORTH-WEST ARM, C.B.—Henderson & Potts have purchased property and are about to erect a large water power mill for grinding material for the manufacture of paint.

ALMONTE, ONT.—A meeting of the Almonte Rink Company was held in Dr. Kirkland's office last week to take steps towards the erection of a curling and skating rink.

LINDSAY, ONT.—A by-law authorizing the raising of \$900 for extending water mains and \$1,000 for installation of fire alarm system has been given third reading in council.

DESCHENES, QUE.—It is probable that the proposed pulp mill, which Louis Simpson is promoting, will be located at this place, Messrs. Conroy having offered a suitable site.

NORTH SYDNEY, C.B.—The Sydney Coal Company are considering the advisability of building a shipping pier. Railway lines from the mines to the pier will also be built.

L'AMABLE, ONT.—Rev. Mr. Cumberland recently addressed the Association of Executive Health Officers advocating the construction of a consumptive sanitarium at this place.

LONDON, ONT.—Dr. Meek is about to build a brick residence on Queen's avenue.—James Cutler has taken out a permit for a one and one-half story brick veneer house on Oxford street, to cost \$2,500.

PEMBROKE, ONT.—W. E. O'Meara, Chairman Sewerage Committee, invites bids up to September 10th for construction of about 5,000 lineal feet of sewers. Plans at office of J. L. Morris, C.E., this town.

FREDERICTON, N.B.—The council recently decided to advertise for tenders for a steam road roller.—F. C. Coffin, C.E., of Boston, has been engaged to report upon a proposed sewerage system for this city.

NEWMARKET, ONT.—The council will ask the lieutenant-governor-in-council to permit the corporation to expend \$10,000 in improving the electric light plant without submitting the question to a vote of the ratepayers.

RENFREW, ONT.—Tenders close 25th inst. for erection of pasonage. Plans at office of J. K. Rochester.—J. C. Wright has just taken tenders on erection of brick residence, from plans by J. D. McNichol, architect.

SHEDIAC, N.B.—An organization meeting of the Shediac and Coast Railway Company was held here last week, at which A. I. Trueman was elected president and J. McQueen, of this place, secretary. Instructions were given for a preliminary survey to be made at once.

HALIFAX, N.S.—The city engineer has recommended the extension of the water service to North and Beach streets, cost

\$3,340; also the placing of water meters in all houses.—The Nova Scotia Telephone Company are about to construct a number of underground conduits.

WALKERTON, ONT.—Tenders will be received at the office of Owen McKay, C. E., this town, up to August 25th, for construction of an extension of the Lake Erie and Detroit River railway between Ridgeway and Dutton, a distance of 25 miles. The work will be let in four sections.

CHATHAM, ONT.—The Separate School Board, at a meeting held last week, decided to engage an architect to prepare plans for a steam heating system and for new sanitary arrangements.—The city is this week taking tenders for construction of glazed pipe sewer on Wellington street.

PARRY SOUND, ONT.—The School Board are considering plans, prepared by Henry Simpson, architect, of Toronto, for a new school building for the east ward: to be brick, two stories and basement, furnace heating, cost \$6,000. Tenders for erection will be asked for at an early date.

BRACEBRIDGE, ONT.—Willis Chipman, C.E., of Toronto, is in consultation with the town authorities regarding the construction of a system of sewerage.—Mr. Mitchell, C. E., of Niagara Falls, Ont., was here recently in connection with the extension of the electric lighting works.

VANCOUVER, B.C.—Parr & Fee, architects, have taken tenders on six houses.—Tenders have been invited for erection of two schools. Plans at offices of E. A. Whitehead and Parr & Fee, architects.—Tenders have just closed at office of R. M. Fripp, architect, for erection of house on Haro street for Frank Burnett.

KINGSTON, ONT.—The council will take steps to take over the electric light plant of the Kingston Light, Heat & Power Company, or to install a new plant.—It is said that the Catarqui Mining Company will commence work on their proposed smelter at an early date.—The proposed Kirkpatrick memorial is estimated to cost \$3,000.

HINTONBURG, ONT.—Petitions have been presented to the Nepean township council asking for a bridge across the Jock river on the third concession. An engineer will be engaged to prepare a plan and an estimate of cost.—Steps will probably be taken to provide a drainage system in the townships of North Gower and Marlboro.

HULL, QUE.—Ottawa capitalists have been negotiating with Notary Tetreau regarding a site for a furniture factory.—The proposed addition to be built by Matthews Pork Packing Co. will be 65x90 feet.—The Finance Committee of the city council will ask that a loan of \$12,000 be made for erection of fire and police station.—The School Commissioners have decided to have a fire proof vault placed in the college.

HAMILTON, ONT.—The Board of Works will recommend the council to widen York street, from Queen street west, to give a right of way for the Guelph-Galt electric railway; estimated cost of work, \$24,000.—Building permits have been granted as follows: A. W. Peene, architect, brick dwelling on Wentworth street north for John Theaker, cost \$1,300; James Sage brick residence on Alanson street, cost \$1,200.

WINNIPEG, MAN.—The School Board will invite tenders for supply of school desks for three years.—The chief of the fire brigade has again pointed out the need of more ladders.—The waterworks pump house is said to be in danger of giving way, and an engineer will be engaged to report on the matter.—Plans have been drawn by Joseph Greenfield, architect, for alterations and additions to brick veneer residence on Notre Dame avenue east for F. S. Nugent.

QUEBEC, QUE.—The Bell Telephone Company are about to undertake extensive improvements in this city and vicinity. In the district of St. Roch almost the entire plant, including poles and wires, will be replaced.—Price Bros. & Company have purchased the timber limits and mills of the Rimouski Lumber Company, and are preparing to build a large steam saw mill at the mouth of the Rimouski river.—H. Stavelly, architect, invites tenders up to Friday, 24th inst., for erection of four cottages on St. Patrick street, this city.

ST. JOHN, N.B.—H. H. Mott, architect, has completed plans for new school building in Carleton, for which tenders will shortly be invited.—The Bank of Nova Scotia have had plans prepared for a new building to be built here, also for one at Charlottetown, P.E.I.—Several members of the Provincial government have been examining proposed sites for wharves at different points on the Kennebecasis and St. John rivers. Wharves will probably be built at Gondola Point, Westfield, Greenwich and Belle Isle. The Dominion government has agreed to pay one-half the cost of five new wharves.

ST. CATHARINES, ONT.—Col. McCaskill, of Niagara Falls, will probably build a paper mill here.—The Collegiate Institute Board invite plans and specifications for heating, ventilating and other improvements for the Collegiate Institute, \$50 to be paid for such plans as may be accepted. Particulars from James Douglas, secretary.—A by-law, granting a bonus to the Ham-Nott Bicycle Co., of Brantford, to establish works here, was carried last week. It is the intention of the promoters to proceed at once with the erection of a factory. The by-law to assist the owners of the basket factory to increase their capacity was defeated.

VICTORIA, B. C.—Tenders have been invited by J. H. Whitom, Duncan Station, for construction of wagon road about five miles in length.—The council are likely to take some steps in the near future towards improvements on James Bay Mud flats.—It is stated that \$300,000 is to be expended on the steamer "Phaeton" The boiler and engines are to be overhauled and the decks recaulked.—The provincial estimate this year will contain a grant of \$25,000 for alterations to the court house at Victoria, \$30,000 for court house at Rossland, and \$48,500 for public buildings throughout the province. The grants for roads will include: Esquimalt, \$10,000; South Victoria, \$10,200; North Victoria, \$4,500; Cowichan, \$8,000 (\$6,500 to trunk road, \$1,000 to Cowichan Lake road and \$500 to Mount Sicker road); Alberni, \$12,000, chiefly in coastwise trails, including one to Wreck Bay; Comox, \$11,500; Westminster district; \$4,000 for a road from Hastings and Barnett; \$12,000 for the Dewdney trunk road, \$6,000 for road to Mount Baker mines in Chilliwack, \$3,000 old Yale road; Thompson river bridge, at Kamloops, \$15,000; \$30,000 is asked for the Cariboo main trunk.

MONTREAL, QUE.—During the month of July 32 permits were granted, against ten during the corresponding month last year. The aggregate value was \$272,350.—The Catholic School Commissioners invite tenders up to September 8th for purchase of \$100,000 3½ per cent. twenty year debentures.—Plans have been prepared for extensive alterations and additions to the head office of the Bank of Montreal in this city.—J. B. Sparrow has just closed negotiations for the erection of a new theatre on the site of the former Theatre Francaise. The building, for which the plans are now being prepared, will have a seating capacity of 2,300.—The Union Abattoir Co. are making preparations to rebuild at Point St. Charles.—The residents of the west ward of St. Louis have asked the council to provide waterworks and sewerage system.—A movement is on foot among the property owners on McGill

street, between Wellington and James, to have the stone pavement taken up and replaced by asphalt; estimated cost \$25,600.—The plant is being placed on the ground for the construction of the St. James street sewer. It is intended to lay a six foot circular drain.—Plans are being prepared for a new business block, corner Craig and Little St. Antoine streets, on the site of the old Blue Bells Saloon.—Hutchison & Wood, architects, are preparing plans for the new theatre to be built by J. B. Sparrow.—Building permits have been issued as follows: McGill College authorities, alterations to three storey building, Sherbrooke street, cost \$68,000 (Taylor & Gordon, architects); Sylverton Murphy, two two storey buildings, cost \$1,300; G.T.R. general office building, McGill, William and St. Paul streets, cost, 455,000 (architect, Richard A. Waite); Jos. Charlebois, two three storey dwellings, Laval avenue, cost \$4,500 (L. R. Montbriant, architect); G. W. Stephens, three storey brick factory building, St. David's Lane (C. Stone, architect); A. Toupin, three storey brick building, St. Hubert street, cost \$4,500; W. E. Blumhact, 157 and 159 Vitre street, two storey brick dwelling, cost \$4,000; S. D. Vallieres, two two storey dwellings, cost \$3,000.—Alph. Dubreuil, architect, 151 St. James street, has prepared plans for Mr. Angrigon for a house on Clark street, Mile End; tenders close 23rd inst.

TORONTO, ONT.—The Consolidated Phosphates Company, Limited, has been organized. It is the intention to establish works in the Maritime Provinces.—New tenders are invited by the Public School Board for erection of proposed school on Bathurst street. Tenders close noon of 27th inst.—The question of securing a new water supply for North Toronto is being discussed by the council of that municipality. A proposition has been submitted by J. Langstaff to expend \$160,000 in bringing water from Whitchurch.—Henry Simpson, architect, of this city, has prepared plans for a new school to be built at Parry Sound.—Plans of concrete and masonry wharf to be built at Hull are on view at the office of H. A. Gray, C. E., Confederation Life Building.—Building permits have been granted as follows: Steele, Briggs & Co., addition to factory, 105 Front street east, cost \$4,500; Ald. James Frame, two-storey and attic brick and stone dwelling, east side of Brooklyn avenue, near Queen east, cost \$2,000; Eckardt Casket Co., brick chimney 130 feet high, cost \$2,400; F. A. Oben, two storey and attic brick building, Dupont street, near Walmer road, cost \$1,200; Wilson Gray, dwelling on Bathurst street, cost \$3,000 (J. W. Gray, architect); Frank B. Poucher, pair s. d. two storey and attic brick dwellings, near Tynald avenue, cost \$4,500 (E. Harper, architect).

OTTAWA, ONT.—The Ottawa Lumber Co. intend building a warehouse and shipping premises in this city.—Mr. Baxter, architect, of Buffalo, is preparing plans for alterations to the premises of the Porcelain & Carbon Co. on Isabella to meet the requirements of the McKay Milling Co.—The City Engineer is securing prices on 200 lineal feet of 30 inch circular steel pipe for the Glebe drainage system.—Excavating has commenced for the new building at the Chaudiere for the Victoria Foundry Co.—Tenders closed noon yesterday for erection of two school houses for Separate School Board, one from plans by E. C. Larose and the other from plans by E. E. Perrault.—Tenders are invited by the Dominion Government up to the 1st of September for erection of post office building at Sarnia, Ont. Plans at the above department and at office of John B. Watson, Front street, Sarnia. Tenders are also invited by the Government up to Friday, 31st inst., for construction of iron superstructure for interprovincial bridge over the Ottawa river at the Narrows.

Plans at the office of F. S. Rees, dry dock, Kingston, at post office at Montreal, and on application to post-master at Hamilton.—The Department of Public Works invited tenders up to Friday, 31st inst., for construction of concrete and masonry wharf at Hull.—In connection with the extension of the Pontiac and Pacific Junction railway it is proposed to construct a tunnel, 60 feet in length, under the C.P.R. tracks.—The following building permits were issued last week: John Atkinson, three brick dwellings, Sherwood street, cost \$2,500; Estate of Joseph Dewart, four brick veneered dwellings, Bridge street, cost \$2,500; Henry Soubriere, brick veneered dwelling, Albert street, cost \$800; Richard Stapledon, brick veneered dwelling, Elm street, cost \$1,000; Robert Carpenter, solid brick double house, Albert street, cost \$2,500; Napoleon Bedard, brick veneered dwelling, Primrose avenue, cost \$800; F. Xavier, solid brick dwelling, Primrose avenue, cost \$1,200; Thomas McGibney, three brick veneered dwellings, Sherwood street, cost \$2,000; F. Rowe, two brick veneer dwellings, and shop, Rochester street, cost \$3,000; George Dalglis, four brick veneer shops with dwellings, Queen street south, cost \$6,000; Michael Ryan, solid brick dwelling, Rochester street, cost \$1,500.

FIRES.

Zion church, in Winnipeg, damaged to the extent of \$4,000.—Sash and door factory of Geo. Bradshaw, on St. James street, Montreal, partially destroyed; loss \$5,000.—The machine shop of John A. Bunn, at Cayuga, Ont., in which was located the plant of the Cayuga Electric Light Co., was partially destroyed by fire on the 20th inst.; loss \$4,000.—Northern Elevator at Treherne, Man.—Building at St. John, N. B., owned by Wm. Parks; loss \$5,000.—Escalade's hotel, Presbyterian church and other buildings at Grand Forks, B. C.; loss \$30,000.—Y. M. C. A. building at Hamilton, Ont., damaged to extent of \$3,000.—Saw mill of Logan & Sutherland at Musquodoboit Harbor, N. S.; loss \$20,000.—Warehouse of A. E. Cameron at Brockville, Ont.

CONTRACTS AWARDED.

BROCKVILLE, ONT.—Brown & Semple have secured contract for plumbing in the new drill shed.

ARNPRIOR, ONT.—Grey & Co. are the successful tenderers for purchase of municipal debentures.

SIMCOE, ONT.—Warehouse for Simcoe Canning Co.: Steinhoff & Verey, successful tenderers.

DRAYTON, ONT.—Granolithic walks: Guelph Pavement Co., contractors, 11 cents per square foot.

CHATHAM, N. B.—St. John's Presbyterian church: James Troy, of Newcastle, successful tenderer.

VANCOUVER, B. C.—New wing to Alexandria orphanage: Mr. Strathey, successful tenderer, at \$2,390.

WALKERVILLE, ONT.—The contract for cement walks has been let to the Cadwell Silex Stone Co., of Windsor.

OTTAWA, ONT.—Dominion Bridge Co., of Montreal, are the successful tenderers for erection of bridge at Chaudiere Falls.

TORONTO, ONT.—The contract for post office improvements at Union Station has been let to John Hanrahan, this city.

HALIFAX, N. S.—S. M. Brookfield, of this city, has secured the contract for erection of court house at St. Johns, Nfld. The contract price is said to be \$180,000, and the building is to be completed in 1902.

HULL, QUE.—Foley & Co., of Ottawa, have been awarded the contract for grano-

litic sidewalks, at 16½ cents per square foot and 45 cents for crossings. Wright & Co. secured the contract for supplying drain pipe.

LONDON, ONT.—Construction of tar macadam pavement on Queens avenue. Harding & Leahorn, successful tenderers, at \$4,700. Other tenderers were: P. L. Marden & Co., \$5,418; Fallows & Lewis, \$6,022.20; W. H. Gould, \$5,900.

LISTOWEL, ONT.—Two tenders were received for construction of granolithic walks, as follows: Robt. Hemphill, 10½ cents per square foot; Silica Barytic Stone Co., Ingersoll, 10½ cents per foot and 12 cents for crossings.

WINNIPEG, MAN.—Greenhouse at Notre Dame Park: Nisbet & McKay, successful tenderers.—The offer of A. J. Andrews for purchase of \$50,000 ten year 4 per cent. debentures, at par and accrued interest, has been accepted by the council.

GUELPH, ONY.—Erection of Robertson-Taylor Co. building. Excavating, stone and brick work, G. E. Mills, Hamilton, carpentering, Pong Bros., Hamilton, tin-smithing, Finlay & Son, Hamilton. The building will be 93x43 ft., with wing 32x23 ft.

SYDNEY, C. B.—Following are the tenders received for erection of new academy building, from plans by C. B. Chappell, architect, of Charlottetown: Geo. McArthur, St. John, \$28,864.00; Douglas Bros., New Glasgow, \$27,800.00; Schurman, Lefurgy, Clark & Co., Sydney, \$24,965.00 (accepted); Jas. Reid, Windsor, \$26,669.00; G. Boehner & Sons, La Have, \$26,550.00; Rhodes, Curry & Co., Ltd., Sydney, \$24,975.00.

MONTREAL, QUE.—Hutchison & Wood, architects, have let contracts as follows for Dominion Oil Cloth Co.'s building on Parthenais street: Carpenter work, D. D. Smith; masonry, Boucher & Hubeneau; bricklaying, O. Chapeintre.—An office building for Williams Man'fg. Co., St. Henri, has been let to J. & W. Morrison.—Repairs to city hall: T. Charpentier, successful tenderer, at \$9,666.80. The other tenders were: M. Graton, \$14,249.62; Mr. Grothe, \$11,410.75, and Mr. Martineau, \$11,645.

COLLINGWOOD, ONT.—For construction of about 2,000 lineal feet of iron and tile sewers, tenders were received as follows: Jas. Kennedy, Owen Sound, \$4,167.92, extra for rock, \$5 per cubic yd; Lindsay & Burdett, Collingwood, \$4,183, extra for rock, \$2.50 per cubic yd; Carroll & Beharriel, Toronto, \$3,460, extra for rock, \$2.40 per cubic yd; J. H. McKnight, Toronto, \$3,173, extra for rock, \$3 per cubic yd. The tender of J. H. McKnight has been accepted. R. E. Speakman, of Toronto, consulting engineer.

BARRIE, ONT.—The following tenders for waterworks extension have been accepted by the council, upon the recommendation of Willis Chipman, C. E., of Toronto. Contract A—for all labor, W. F. Grant & Co., Toronto, (a) \$2,443, (b) \$2,744. Contract B—Canada Foundry Co., Toronto: Straight pipes per ton, \$34.50; special castings, \$55.00. Con-

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tract C Kerr Engine Works, Walkerville: Fire hydrants, \$27.00; ten inch gate valves, \$20.50; eight inch valves, \$14.50; six inch valves, \$10.50; four inch valves, \$6.25; valve boxes, \$3.50.

ST. MARY'S, ONT.—The tender of John Kean has been accepted for granolithic walk on west side of Peel street, at 5½ cents per square foot.—For purchase of \$15,000 20 year 4 per cent. debentures tenders were received by the council as follows: Amelius Jarvis & Co., Toronto, \$14,850; H. O'Hara & Co., Toronto, \$99.26 on \$100; G. A. Stimson & Co., Toronto, \$14,925; G. W. Wood & Son, Toronto, \$14,875; Hanson Bros., \$98.50 on \$100; The Ontario Building & Savings Society, Kingston, \$15,094; The Mutual Life Assurance Co. of Canada, \$15,080; Confederation Life Association, \$15,000; Andrew T. Drummond, Kingston, \$96.00 on \$100; Central Canada Loan & Savings Co., \$14,092.50. The tender of the Imperial Building & Savings Society has been accepted.

THE GREAT TORONTO FAIR.

As there seems to be a feeling of general prosperity throughout the country this year, the attendance of visitors at the Toronto Exhibition, which opens a few days hence, on the 28th inst., promises to exceed that of any previous year. Many who have never been to this great fair before are talking of going, and those who have been before are going again. The entries in all departments, especially that of live stock, are the largest in its history, and this is a pretty good indication that the exhibition will score another great

success. Although some of the manufacturers of reapers and mowers have decided not to exhibit at any fair in future, there will still be a good exhibit of other farming implements at this exhibition. The special attractions, which will to a great extent be of a patriotic character and up to date, promise to be most interesting, including, among other things, a representation of the siege and relief of Mafeking, in the present South African war. Many interesting trophies, brought back by the returned members of the Canadian contingent, will be on exhibition. It is astonishing the great interest that is taken in the Toronto Fair throughout the country, and the approaching one is no exception. The usual cheap excursions will be given on all the railways.

LIME WHITEWASH.

The principal point in preparing lime whitewash, says a contemporary, is to have the lime well slaked. Select good builders' lime, soak it with warm water and allow it to fall into fine powder in the open air. Then, if wanted for inside and so prepared that it will not rub off,

make it very thin with water, and to every pail add a pint of flour, previously made into starch or paste; or, better still, dissolve two pounds of ordinary alum in boiling water and add this solution to every two gallon pail of whitewash. Apply the first coat very thin, so as to bind it on the wall, and the addition of alum will prevent the second coat from rubbing up the first coat, thereby making a more uniform surface.

For outdoor work, take one pound of lime and slake it as above. Then take one-quarter pound Burgundy pitch and dissolve by gentle heat in a pint of linseed oil; now add to the hot lime one gallon skimmed milk, then the mixture of pitch and oil a little at a time, stirring all the while. Finally add three pounds of bolted whiting. If too stout to work evenly, add more skimmed milk.

The addition of one part of salt to three parts by weight of lime, or

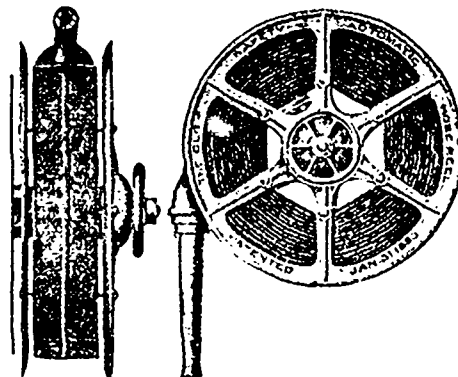
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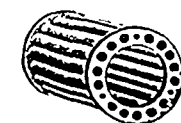
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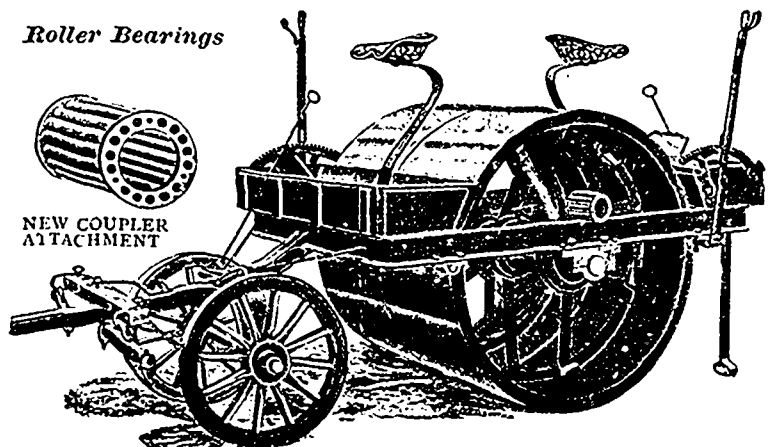
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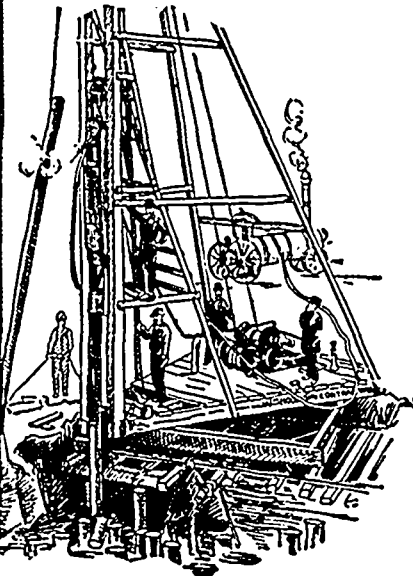
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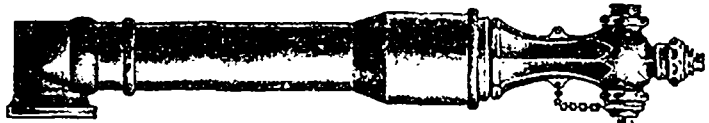
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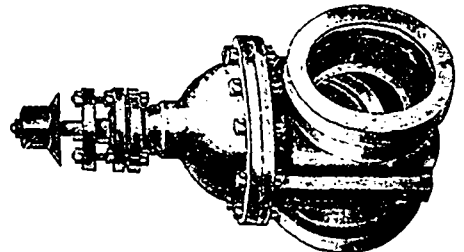


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MUNICIPAL DEPARTMENT

CAUSES OF DEFECTIVE SIDEWALKS.

By A. W. CAMPBELL, C. E.

The advisability of replacing old plank sidewalks in very many cases with more permanent concrete has been frequently urged, and a specification was included in the report of this Department for 1898. In so doing, however, it has not been advocated that an inferior quality of concrete would be preferable to a good quality of plank walk, the comparison being, in every case, between good quality of both plank and concrete.

The first cost of plank walks is about five cents a square foot. The life may be extended to about fifteen years, but for the last ten years repairs will have been many. Each repair means that a man be sent with is very expensive in proportion to material, so that the patching process the first cost. The result is to about double the original cost of the work in a term of fifteen years, making the cost ten cents a square foot.

Cement concrete walks are being laid for eleven and twelve cents a square foot, although the circumstances of some cases, the difficulty of obtaining broken stone, gravel, or sand, may require a slightly increased outlay. The life is indefinite, for we really do not know how long concrete work will endure, but we do know that concrete structures of the Romans, built 2,000 years ago, are still in existence. It is not to much to expect that the concrete walks now being laid will do service for fifty years if laid as they should be. The cost after a term of fifteen years is very little more than that of plank walks, so that their life beyond a term of fifteen years is a practical saving to the municipality.

The use of concrete is far from being properly understood by those who have charge of sidewalk construction in some municipalities, and the result has been in many instances,

From the fourth annual report of the Provincial Inspector in Road-Making for Ontario.

that most unsatisfactory work has been obtained.

Cement concrete in walks, culverts and other structures of a like nature, is lasting and serviceable, and when properly mixed and rightly put in place, is in the best sense economical. But defective work there has been careless or "scamped" work, it is very likely to show itself quickly. Wherever show itself after exposure to a winter's frost and dampness. Work which stands for two years without signs of cracking, shaling or crumbling is likely to be permanent, its life conditional chiefly upon the actual wear which it receives.

Among the most frequent causes of poor concrete is the use of an inferior brand of cement. A cheap sidewalk obtained by the use of cheap cement will, in the end, prove exceedingly costly. Cement is a material of widely varying degrees of excellence, and experiments should not be tried by the smaller municipalities. There are good and

reliable brands of Canadian Portland cement which have proven their qualities in large Government works, and in other extensive contracts, and to go beyond these is unnecessary and in many cases entirely unsafe.

Just as to how cement can be of poor quality is not understood by many, and it may be pointed out, as one example, that the presence of free lime causes what is known as "blowing" in the finished concrete, and rapidly results in decomposition of the sidewalk.

Again, among causes of inferior sidewalks is the use of gravel and cement to form the entire work, in place of proper mixture of sand, cement, and stone. In the composition of concrete we first prepare a mortar of sand and cement with just sufficient water to make a plastic mass; this is mixed with a quantity of stone in such proportion that the mortar will completely fill the voids between the stones, with a proper excess of mortar for safety. There are certain definite proportions of cement, sand and stone which must be uniformly mixed in producing a good quality of artificial stone.

(Concluded next week.)

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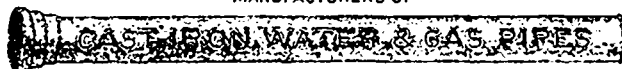
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Wire Lathing. The B. Greening Wire Company... ix

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

CREDIT VALLEY STONE. F.O.B. Quarries. 7 00
Rubble, per car of 15 tons... 1 50 to 1 75
Brown Coursing, up to 10 in., per sup. yard... 60
Brown Dimension, per cub. ft 1 00
Grey Coursing, per sup. yard 45
Grey Dimension, per cub. ft. 45
LONGFORD STONE. Rubble, per 30 M. car... 5 00
Ashlar, per cub. yd... 2 00
Dimension, per cub. ft... 18

SLATE. Toronto, Montreal.
Roofing (per square). red... 17 50 20 00
" purple... 8 50 10 00
"iding green 8 50 7 00 8 00
" olack... 7 50 6 50
Terra Cotta Tie, per sq... 20 00 25 00
Ornamental Black Slate Roofing 8 80 6 80

CEMENT, LIME, etc.
Portland Cements - German per M... 2 90 3 10 2 55 2 65
London... 2 95 3 00 2 25 2 45
Newcas le... 2 70 3 00 1 95 2 20
" Jossen 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 50 2 75 2 00 2 20
Canadian, artificial... 2 85 3 00 2 60 2 70
Roman... 2 20 2 25
Parian... 5 25 5 25 5 75 5 75
Keene Superfine "Whites"... 11 00 12 00 10 00 10 00
Keene's Coarse "Whites"... 8 00 8 50 8 50 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
" Keystone (Belgian)... 2 05 2 20
" Anvil (Belgian)... 1 95 2 05
" Burham (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.
Napance, " 1 50 1 50
Hull, " 1 50 1 50
Ontario, " 1 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... 30
" White... 35
Plaster, Calcined, N. B... 2 00 1 50
" N. S... 2 00 1 50
Hair, Plasterers', per bag... 80 1 00 000

HARDWARE.
The following are the quotations to builders for nail at Toronto and Montreal:
Cut nails, 50d & 60d, per keg 2 85 2 85
Steel " " " 2 95 2 95
CUT NAILS, FENCE AND CUT SPIKES.
40d, hot cut, per 100 lbs... 2 85 2 85
30 to 32d, hot cut... 2 95 2 95
8d, 9d, " " 3 00 3 00
6d, 7d, " " 3 15 3 15
4d to 5d, " " 3 25 3 25
3d, " " 3 50 3 50
2d, " " 3 85 3 85
Cut spikes, 20 cents per keg advance.
Steel Nails, 10c. per keg extra.
Wire nails, 3-35 base price.

Iron Pipe:
ron pipe, 3/4 inch, per 100 feet... \$2.65
" " 1/2 " " " 2.75
" " 1/2 " " " 2.75
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" " 1/2 " " " 2.75

Lead Pipe:
Lead pipe, per lb... 7c } 15 per
Waste pipe, per lb... 7 1/2 } cent. dia.

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

Structural Iron:
Steel Beams, per 100 lbs... 2 75 2 75
" channels, " " 2 85 2 85
" angles, " " 2 50 2 50
" tees, " " 2 80 2 80
" plates, " " 2 80 2 80
Sheared steel bridge plate... 2 35