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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL
OF
PUBLIC WORKS AND TENDERS

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.

OCTOBER 4, 1899

No. 36.

THE CANADIAN CONTRACT RECORD,

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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 9TH OCTOBER NEXT, for the following works:

CONCRETE WALKS:

Russell Street, north side, from St. George Street to Union Street
Queen Street, south side, from the Robt. Simpson Company to 142 feet west

CEDAR BLOCK PAVEMENTS:

Bay Street, from Front Street to the Esplanade.
Carlisle Street from St. Patrick Street to 374 feet north.
Florence Street, from Duffern Street to Brock Avenue.

BRICK PAVEMENTS:

Robinson Street, from Bathurst Street to Palmerston Avenue.
Markham Street, from Queen Street to Arthur Street.
Lane first south of Front Street, from Yonge to Scott Streets.

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

Specifications may be seen and forms of tender obtained at the office of the City Engineer on and after Monday, October the 2nd.

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, Sept. 26th, 1899.

TENDERS

FOR

SEWERS

Sealed tenders, addressed to the Reeve, Village of Chesley, Ont., will be received up to 6 p.m. FRIDAY, OCTOBER 6TH, for the construction of PIPE SEWERS on King, Mary and Main Streets in said Village. Total length, 2,50 feet; average depth, 7½ feet. Also some 2,000 feet of 6-inch connections from sewer to street line.

Schedule tender as follows:

- Total price for King and Mary Street Sewer.
- Total price for Main Street Sewer
- Price per foot for 6-in. Connections, 8-in., 9-in., 12-in., 14-in. Pipes.
- Price per Manhole.

A certified bank cheque, payable to the order of the Treasurer, Village of Chesley, for the sum of 5% of the contract, must accompany each tender, the same to be forfeited if the parties decline the contract or fail in the performance thereof, and will be returned in case of non-acceptance of tender.

Plans and specifications can be seen at the office of the Village Clerk.

Right is retained to reject any or all tenders.

DR. STEWART, Reeve.

R. McDOWALL, Engineer.



NOTICE TO CONTRACTORS

TENDERS FOR SUPPLY OF STONE

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, the 11th Inst.,

for the supply and delivery of 100 tonne of stone, in ten-ton lots and upwards, at the House of Industry, in this city.

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

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

A marked cheque, payable to the order of the City Treasurer, Toronto, for 2½ per cent of the amount tendered for, must accompany each and every tender, otherwise they will be ruled out as informal.

The lowest or any tender not necessarily accepted.

JOHN SHAW (Mayor),
Chairman of Board of Control.

City Hall, Toronto, Oct. 2nd, 1899.

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.

ST. CLEMENTS, ONT.—R. Bougel purposes erecting a new block.

LEAMINGTON, ONT.—S. G. Moran will probably build a large brick mill.

RAT PORTAGE, ONT.—Tenders have been invited for construction of sewers.

MONKTON, ONT.—Joseph Johnston is about to erect a dwelling on Queen street.

WINCHESTER, ONT.—It is the intention of J. G. Chalies to build a double dwelling house.

GODERICH, ONT.—The council will invite tenders for enlarging the power house.

DAUPHIN, MAN.—The council is negotiating for the purchase of fire apparatus.

CANNINGTON, ONT.—Wm. Fead has decided upon the erection of a new brick structure.

DIGBY, N.S.—It is said that work will shortly be commenced on the new government building.

LANARK, ONT.—James Young, undertaker, purposes erecting a brick and stone building.

GOLDEN, B.C.—The citizens have decided to erect a fire hall and purchase fire appliances.

WRONETER, ONT.—A company has made a proposition to establish an electric light plant here.

KAMLOOPS, B.C.—J. H. Latremouille has purchased property and intends building a brick house.

HESPELER, ONT.—The Forbes Co. are preparing to erect a building, 150 x 60 feet, three storeys high.

POR TERRY, ONT.—The county council have decided to build the proposed poor house in this town.

EDMONTON, N. W. T.—T. W. Lines is negotiating for the construction of a waterworks system here.

RICHMOND HILL, ONT.—The trustees of the Methodist church are considering improvements to the interior.

RENFREW, ONT.—A. H. Hough has purchased the M. L. Russell property, and intends to rebuild the saw mill.

SHERBROOKE, QUE.—The directors of the Eastern Townships Agricultural Association will build new cattle sheds.

BRIDGEBURG, ONT.—The council has decided to have estimates prepared of the cost of a complete waterworks system.

MURRAY BAY, QUE.—The American visitors at this place are forming a company to establish an electric light plant.

DARTMOUTH, N.S.—A company has been formed to start a laundry, and will erect a building adjoining the Starr works.

St. JOHN, N. B.—Negotiations are in progress between the government and the municipal authorities looking to the commencement at an early date of the construction of the proposed dry dock.

The Drydock Company is represented by Mr. Knipple, chief engineer, who expects to return to England in a few days.

WINDSOR, ONT.—The Board of Health are looking for a site on which to build a pest house. Particulars from Dr. Coventry.

SIDNEY, MAN.—Geo. Rogers purposes building a flour mill at this place, the municipality having given a bonus of \$3,000.

BRANTFORD, ONT.—The Water Commissioners are asking the city for a grant of \$50,000 for the extension of the waterworks.

MIDLAND, ONT.—Louis Girard intends building another house at an early date.—Neil McCorvie will build a pair of houses.

LONDON, ONT.—A building permit has been granted to W. C. Kipp for a two storey brick residence on Hellmuth avenue.

ASHCROFT, B.C.—The Ashcroft Water, Electric Light and Improvement Co. purpose installing additional electrical apparatus.

PORT ARTHUR, ONT.—The Ontario & Runy River Railway Co. is preparing to construct a telegraph line from this place to Duluth.

WINDSOR MILLS, QUE.—Dr. Meagher, of Montreal, intends building a summer residence here next summer, also some tenements.

SMITH'S FALLS, ONT.—A by-law to raise \$150,000 for waterworks and sewerage systems was carried by the ratepayers recently.

JANETVILLE, ONT.—The promoters of the Lindsay, Bobcaygeon & Birkton Railway held a meeting last week to further the scheme.

GEORGEVILLE, QUE.—Extensive alterations will be made next year to Owl's Head hotel.—Miss Chamberlain will likely build a new store.

NELSON, B. C.—The plans for the new building to be built by the British Columbia Gold Fields, Limited, have been prepared by A. E. Hodgins.

PORT COLBORNE, ONT.—Debentures will be issued by the village to the extent of \$3,000 for the purpose of building an addition to the public school.

WEST ZORRA, ONT.—Bids for construction of drain in township of West Zorra are invited by E. L. Sutherland, clerk of Bennington, up to October 9th.

PRESCOTT, ONT.—Bids for the purchase of \$15,000 town debentures are invited by A. Whitney, chairman Finance Committee, up to October 16th.

ROSSLAND, B.C.—The Board of Trade and council have recommended a site for government buildings, and have obtained an option on the property.

PERTH, ONT.—B. Dillon, architect, of Brockville, is preparing plans for a new skating rink to be built here, to be 80 x 100 feet, and to cost about \$3,000.

LINDSAY, ONT.—A by-law to raise \$15,000 in aid of the B. L. & P. Railway will be submitted to a vote of the ratepayers of the municipality of Ops.

ALMONTE, ONT.—The by-law to authorize the town council to borrow \$30,000 to establish an electric light plant was defeated by the ratepayers last week.

NEWCASTLE, N.B.—The council are aining information regarding the cost electric light and waterworks systems.—Debentures will be issued by the town.

KIRKTON, ONT.—Gasper Walkom invites tenders up to 7th inst. for supplying and putting in all necessary machinery for a first class flour and grist mill.

WALKERVILLE, ONT.—The O. & W. Thrum Co., of Grand Rapids, Mich., have

decided to establish a branch here, and will erect a two-storey factory, 40 x 150 feet.

HULL, QUE.—Mr. Farley, city engineer, has submitted a report to the council showing that 1,100 horse power can be developed at the axe factory at a slight expense.

GRAND FORKS, B.C.—Work will be commenced in a few days on the construction of the railway spur to the smelter. In addition there will be several miles of siding.

PARRY SOUND, ONT.—Dr. Applebee is considering the question of building a terrace of houses on Wakefield street.—Mrs. Bryson will probably build a terrace on Cascade street.

LA RIVIERE, MAN.—A steel bridge will be erected over the Pembina river, to cost about \$3,000. Another steel bridge will be built over the same river 20 miles south of Maniitou.

LEVIS, QUE.—A public meeting was held last week to discuss the establishment of an abattoir system. A vote was passed recommending the government to assist the enterprise.

PORTAGE DU FORT, QUE.—Dominion government engineers have surveyed the site for the proposed interprovincial bridge spanning the Ottawa river from the township of Ross to this village.

GRANBY, QUE.—The Granby Rubber Co. have purchased property on which to build business offices at a future date.—The Miner Carriage Co. are in need of a steam plant, the water in the river being low.

VIRDEN, QUE.—Property at the corner of Wellington street and Gordon avenue has recently been given for Anglican church purposes, and it is hoped that next spring a church will be erected on the site.

WALKERTON, ONT.—M. Stalker, Mayor, desires tenders by Monday, October 9th, for building open trestle work at the Yonge street bridge. Particulars from H. Clark, chairman Streets Committee.

WASHAGO, ONT.—It has been decided to build two school houses, one at Severn Bridge and the other at this place, for which plans are now being prepared. Tenders will probably be asked for both brick and frame buildings.

KEEWATIN, ONT.—It is reported that the Lake of the Woods Milling Co. intend erecting a new flour mill here or making extensive additions to their present plant.—The citizens are talking of building a skating and curling rink.

ARNPRIOR, ONT.—According to the plans prepared by J. E. Askwith, of Ottawa, for waterworks and sewerage systems for this town, five miles each of water and sewer pipes will be put down; 35 hydrants will also be required.

WATERLOO, ONT.—A. B. Campbell, veterinary surgeon, has acquired the Forster property on Queen street, and intends to erect thereon a large livery stable.—The Sewers Committee will invite tenders for construction of sewers.

PENETANGUISHENE, ONT.—Last week the promoters of a proposed summer hotel on Lake Rosseau inspected the available sites. It is said that the frame work will be put up this fall, and an effort made to have the building completed before the tourist season of 1900.

FORT WILLIAM, ONT.—The property on which will be built the proposed flour mill and elevator will be transferred to Mr. Ogilvie at once, and work will then be proceeded with. The contract for 2,500,000 brick has been given to the Fort William Brick & Tile Co.

GREENWOOD, B. C.—Mr. Frederick Keffer, M.E., manager of the British

Columbia Copper Co., has gone east to purchase additional land on which to build the proposed smelter, for which plans have been prepared and on which work will be commenced this fall.

STRATFORD, ONT.—A. Brandenberger has submitted to council plans for the proposed opera house.—The Macdonald Manufacturing Co. have acquired property, corner Erie and Galt streets, and purpose erecting a new factory, to cost about \$10,000. Work will not be commenced until next spring.

QUEBEC, QUE.—The authorities of the Quebec High School intend to build a residence for the principal at the corner of St. Genevieve avenue and St. Ursule street.—The Grand Trunk Railway Co. announces its intention of establishing a station at South Quebec.—Mr. Cox, architect, has completed plans for expensive alterations and additions to be made to St. Matthew's church.

WOODSTOCK, ONT.—At a meeting of the Board of Trade held last week, a resolution was passed recommending the construction of a new pavement on Dundas street.—The question of municipal ownership of the electric light plant is engaging the attention of the council.—James Sutherland, M.P., has purchased property and intends erecting a building opposite the new post office.

SYDNEY, C.B.—The property of Mrs. Farquharson has been sold to R. C. Ross and associates, who intend to erect a number of cottages for the officials of the Dominion Iron & Steel Co.—The Dominion Coal Co. are considering the idea of establishing ship-building yards here and constructing their own boats.—Rhodes, Curry & Co., of Amherst, are about to erect 300 cottages on the Colby-Ashby property recently purchased by a syndicate.

VANCOUVER, B.C.—R. Bissett is having plans prepared by W. Blackmore, architect, for small brick and stone building on Hastings street.—For the new Wesley church building eleven designs were submitted in competition. The committee have retained three of these for further consideration.—R. M. Fripp, F.R.I.B.A., has taken tenders for two frame houses and for three minor works.—The council has decided to adopt the septic tank system of sewage disposal.

MONTREAL, QUE.—Mr. John L. Morris, theatrical manager, representing a syndicate of New York capitalists, is said to be negotiating for a site on which to build a new theatre.—It is reported that Mr. Henry Hogan is negotiating for the purchase of the premises at corner of St. Catharines street and McGill College ave., now occupied by Brown Bros., with the intention of erecting a first class cafe.—The Harbor Commissioners invite tenders up to Monday, 9th inst., for supplying timber and planks for the year 1900.

HALIFAX, N.S.—Two prominent members of St. Mary's Cathedral congregation have offered to contribute \$500 each towards the cost of the interior decoration of the edifice.—It is reported that a block of property on Barrington street has been purchased by a gentleman living out of the city, who purposes erecting a warehouse and factory. A local firm are acting as agents.—Col. Anderson, chief engineer of the Marine Department, Ottawa, was in the city recently en route to Sable Island to select a site for a new light-house there.

HAMILTON, ONT.—A. B. Coleman, of the Brant House, intends to proceed with the building of a summer hotel at the Beach; estimated cost, \$50,000.—The promoters of the Hamilton and Galt electric railway intend making a start on the road this fall.—E. B. Patterson has secured a permit for a brick cottage on John street north, for Otto Gibb, cost \$1,200.—A permit has been granted to

Peter McCullough for two brick dwellings to be built on Sophia street, to cost \$1,600. W. W. Lachance, architect, is erecting a brick dwelling, corner Caroline and Mainland streets, cost \$1,600.

WINNIPEG, MAN.—The Market Committee has decided to purchase site for a hay market.—The Toronto Old Boys' Association of Winnipeg have appointed a committee to secure a suitable building for club purposes.—The Board of Trade will memorialize the Dominion Minister of Public Works to commence at once the proposed improvements to St. Andrews rapids, for which a vote of \$150,000 was passed at last session.—Tenders for construction of macadam pavement on Bannatyne ave., and a sewer on McDonald street, are invited up to 5.30 p.m. to-day (Wednesday).—At a meeting of the council of the University of Manitoba held on Wednesday last, plans for the university building prepared by Geo. Browne, architect, were accepted, and instructions given to invite tenders for excavating, drainage and foundation walls. The building will be 120 x 70 feet, three storeys and basement, interior finished in brick, cost \$40,000.

VICTORIA, B.C.—It is proposed to construct a permanent pavement on Yates street next year.—A gentleman from Ottawa has secured water power and a suitable site, and purposes erecting a factory near Comox for the manufacture of calcium carbide.—Plans have been completed by J. G. Tiarks, architect, for the new Williams building to be erected on Yates street, which will be two storeys, with stone facings, cost \$5,000.—The Department of Lands and Works has invited tenders for erection of bridge over the Illecillewaet river at Revelstoke.—The Rossland & Sophie Mountain Electric Railway Co. is seeking incorporation. T. J. Duncan and W. A. McDonald are interested.—The Grand Forks Water Power & Light Co. has submitted its undertaking to the government. They propose to build a dam across the north forks of Kettle river, and work must be in operation within twelve months.—Last week the Harbor Committee discussed proposed improvements to the harbor, Mr. T. C. Sorby's report of his interview with the Dominion government being the chief subject considered.—At a public meeting held recently a report was presented from a committee appointed to inquire into the proposal to connect Victoria by ferry with Point Roberts and thence by rail with Chilliwack. A report was presented by H. P. Bell, C.E., which placed the cost at \$1,509,000, including: 52 miles of railway, \$780,000; two ferry boats, \$200,000; completing the Sydney railway into the city, \$150,000; 12 miles of railway from Ladners to main line, \$10,000; incline pontoons, etc., \$50,000; station and yard at Ladners Landing, \$10,000.

TORONTO, ONT.—Mr. David Walker, of the Walker House, has sold the vacant property at south-east corner of York and Front street to W. R. Johnson & Co., wholesale clothiers, who intend to erect a factory on the site next year.—On behalf of the Dodge system of telegraphing, Mr. J. A. McMurdy has asked the council for permission to place telephone poles and wires on the street.—The Fire and Light Committee have recommended the purchase of a 65 foot aerial truck, for which tenders will be invited.—A meeting was held at Victoria University last week to discuss the proposal to raise \$50,000 from students and graduates for enlarging and improving the campus, and \$150,000 by a general appeal to the province to increase the endowment of the college.—Building permits have been granted as follows: Alex. Manning, five storey brick and stone office building, corner Queen and Terauley streets, cost \$100,000; J. Slean, two storey brick store, corner Major and Bloor streets, cost \$2,500; Chas. N. Candee,

two-storey and attic brick and stone residence, Park road, cost \$4,800; C. A. Munn, three storey brick store and dwelling, 800 Yonge street, cost \$1,700, Lever Bros., soap factory and warehouse on Eastern ave., cost \$40,000.—F. H. Herbert, architect, 9 Toronto street, is taking tenders up to 5 p.m. to-day (Wednesday), for brick, carpenter, sheet metal, painting and plastering work required in alterations to building, corner Dundas and Foxley streets, for H. G. Horton.—During the month of September the City Commissioner issued building permits to the value of \$491,105, as compared with \$143,370 for the same month last year.

OTTAWA, ONT.—John Galt, city engineer, has just invited tenders for the supply of steel beams weighing in all about 30,000 lbs.—Tenders are wanted by Robt. Carpenter, 710 Albert street, for repairs to West End Methodist church, including shingling, brick-work, painting and tinting.—Kirkston and Ottawa capitalists have formed a company to build summer hotels along the Rideau river and lakes. Already plans have been prepared for two hotels, one at Jones Falls and one at a point further up the lake. Mr. George Kidd will make application for letters patent.—It is rumored that a syndicate is about to be formed, with a capital of \$100,000, to establish a large furniture factory in this city.—The contractors will be asked to proceed at once with the Sussex street pavement, and in the event of refusal, new tenders will be invited.—M. C. Edey, architect, has prepared plans for extensive alterations to 194 and 196 Sparks streets for G. L. Blyth & Sons. The improvements will include an addition on Queen street, plate glass windows and elevators.—It is understood that tenders will be invited in a few weeks for the construction of the proposed Pacific cable.—Steps are being taken to induce the council to construct a bridge at Somerset street, as recommended by the Retail Merchants' Association.—Some of the aldermen are still advocating the construction of the proposed Bank street subway.—It is expected that work will be commenced next summer on the proposed Central depot, for which plans have been prepared.—The Canada Atlantic Railway Co. will shortly commence the erection of a building 200 x 30 feet adjoining the Rideau round-house. The company also intend to make an addition this fall to the machine shops.—Building permits have been granted as follows: W. Ahearn, brick dwelling, Somerset street, cost \$2,500; Mrs. Minnie Tassie, brick veneered kitchen, Wilbrod street, cost \$1,500; Separate School Board, brick building, for Separate School, Anglesea square, north side, cost \$6,000; brick building for

Separate School, on lots 11 and 12, Eccles street, south side, cost \$5,000; E. L. Herwood, on behalf of the Separate School Board, brick school on lot 52, Third ave. south, and lot 52, Fourth ave. north, cost \$4,750; Edward Presland, six brick veneered houses, south side of Patterson ave., cost \$12,000; Mrs. Maria Allison, frame dwelling, Cartier street, cost \$800.—L. K. Jones, secretary Department of Railways and Canals, desires tenders by Monday, 9th inst., for building protection wall along north shore, from McGee's Point to Wood's creek, in Lake St. Francis. Specifications at 1709 Notre Dame street, Montreal.—Frank Murtagh, of Campbell's Bay, has purchased the Parry Sound Hotel and the property known as No. 22 and 24 Besserer street, and will probably build thereon.

FIRES.

The Klawok Salmon Cannery on Prince of Wales Island, off coast of British Columbia, owned by the North Pacific Trading & Canning Co.; loss \$100,000, no insurance. Residence of Burgess Baker, a farmer residing four miles south of the city of Brantford, Ont.—St. Matthews' Presbyterian church at North Sydney, C. B., totally destroyed; loss \$12,000, partially insured.—Summer residences of E. J. Lennox and R. F. Spence on Hanlan's Island, Toronto; loss \$6,000 and \$1,500 respectively.—Fire at Sunderland, Ont., on October 1st destroyed the Brock House, owned by Mrs. Campbell, Reynolds' livery stable, the implement shop of P. Keenan, and some smaller buildings.

CONTRACTS AWARDED.

BELLEVILLE, ONT.—Electric light plant in drill shed. Geo. Thompson, contractor.
BOWMANVILLE, ONT.—3,000 feet of granolithic walk: Guelph Pavement Co., contractors.
TUURO, N.S.—New rink: A. D. Parker, contractor. Building will be 225 x 100 feet; cost \$5,000.
LOW BANKS, ONT.—Residence for Francis Barrick: Tiffany Minor, of Humberstone, contractors.
WINDSOR, N. S.—Improvements to waterworks dam: Anthony Sanford, of Burlington, contractor.
BROCKVILLE, ONT.—Seating St. John's church: Valley City Seating Co., of Dundas, successful tenderers.
ST. CATHARINES, ONT.—Brick block for Poole & Osborne: E. C. Nicholson, contractor; plate glass windows.
HARROW, ONT.—Construction of two

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300 barrel tanks for fire purposes: Ezra Davey, of Colchester South, contractor.

BERLIN, ONT.—Brewery for C. Huether: Brewing house, Inglis & Co., Toronto, \$5,200; brickwork, Ald. Braun, \$5,000.

GODERICH, ONT.—Construction of granolithic walk: Tender of J. Graham, of London, recommended for acceptance.

RAT PORTAGE, ONT.—D. L. Mather has secured a contract from the C.P.R. to supply from forty to fifty thousand pine ties.

TUCKERSMITH, ONT.—Superstructure of Broadfoot bridge over Bayfield river: Stratford Bridge & Iron Works Co., contractors, \$995.

WINNIPEG, MAN.—McDonald & Co. have been granted the contract for drainage work in townships 11 and 12, near Westbourne.

OTTAWA, ONT.—It is said that Stuart & O'Leary, contractors for section four of the trunk sewer, have transferred their contract to W. F. Moore, of Syracuse.

MONTREAL, QUE.—Materials for flood protection improvements: Cut stone coping, \$17.90 per cubic yard, and ashler, \$13.40 per yard, Martineau & Prenoveau; broken stone, A. Dufresne, 82 cents per ton. Contract for cement was left in the hands of a committee.

LONDON, ONT.—Erection of valve house in South London: John Hyman & Sons, contractors, \$1,011. Other tenders: John Nutkins, \$1,125; Moran & Ridge, \$1,160; Simpson & Murray, \$1,200.—Brick dwelling at Glanworth for Archibald Munro: Hyatt Bros., this city, contractors.

HAMILTON, ONT.—J. Hoodless & Son, of this city, have secured the contract for the interior woodwork of G. T. Fulford's new summer residence on the St. Lawrence, near Brockville.—Storage battery factory for Dr. Zegeron: W. J. Reid, contractor. Building will be 75 x 125 feet, of frame, covered with sheet iron.

KINGSTON, ONT.—For purchase of \$28,900 city debentures tenders were received as follows: Oddfellows' Association of Kingston, \$28,984 (accepted); G. W. Wood & Son, Toronto, \$28,706; W. H. Brouse, Toronto, \$28,605; H. O'Hara & Co., Toronto, \$28,558.76; A. Jarvis & Co., Toronto, \$28,274.37; G. A. Stinson & Co., Toronto, \$28,025; A. T. Drummond, Kingston (for \$12,600 only), \$12,127.50.

BRANTFORD, ONT.—For laying sewer and water pipes and construction of wells, etc., six tenders were received by the council, as follows: Thos. Elliott, \$7,875.35; W. E. Phin, \$8,784; city engineer, \$7,529; Falls & Lewis, London, \$9,500; Bohmer & Bishop, Berlin, \$5,500; R. Elliott, \$6,997.42. The tender of R. Elliott has been accepted. Three tenders were delayed in the post-office, and were received too late to be considered.

TORONTO, ONT.—Following are the lowest tenders for the construction of civic works: Asphalt pavements—King street, Simcoe to Spadina, city engineer, \$23,060; Bloor street, Avenue to Walmer road, city engineer, \$23,982; Admiral road, Lowther to Bernard, city engineer, \$8,148; Madison ave., Bloor to Dupont, Constructing & Paving Company, \$22,391. Brick pavements—Cameron place, Cameron street to Vanauley, city engineer, \$737; Buchanan, Yonge to Teraulay, city engineer, \$4,049; first lane south of King street, John to Dorset, city engineer, \$888; Bellevue place, Bellevue avenue to Carlyle street, city engineer, \$2,789. Cedar pavements—Tulley crescent, Tulley to Shaw, Dominion Paving Company, \$873. Macadam roadways—McKenzie crescent, Dovercourt to Beaconsfield, city engineer, \$2,275. Concrete sidewalks—Colborne street, both sides, West Market to Yonge, Gardner & Company, 88 cents; Bernard ave., north side, Avenue road to Bedford, city engineer, 70 cents; Spadina road, both sides, Bloor to Bernard, W. R. Payne, 65 cents.—Sproatt & Rolph, archi-

itects, Bank of Commerce building, have accepted tenders as follows in connection with the Sunlight Soap Co's new factory: Masonry, Thos. Cannon & Sons; structural steel, Hamilton Bridge Co.; boilers, Heine Safety Boiler Co.; portion of soap pans, J. Inglis & Sons. The main building will be 340 x 150 feet, connected with a smaller building 100 x 120 feet, while the office building will have a floor area of 80 x 100 feet.—C. P. Thomas, architect, has let the following contracts for apartment house, corner Harbord and St. George street: Masonry, Wickett Bros; carpenter work, John Haurahan; plumbing, Keith & Fitzsimmons; roofing, Forbes Roofing Co.; other trades not let. Building will be five storeys, stone and brick, cost \$100,000.

BUSINESS NOTES.

Fortin & Fortin, contractors, Arnprior, Ont., have ceased business.

Delage Bros., painters, Vancouver, B. C., have dissolved partnership.

H. F. Lunan & Co., contractors, Montreal, have dissolved partnership.

Masse & Co. have registered partnership at Dorval, Que., as carpenters.

The assignment is announced of A. Beudet, brick manufacturer, St. Jean de Challions, Que.

J. W. Dumont and J. A. Rho have entered partnership as painters in Montreal, under the name of Dumont & Rho.

J. H. Farr & Co., manufacturers of asphalt, varnish and paint, Toronto, have dissolved, J. H. Farr and S. Rogers retaining and the remaining partners obtaining incorporation under the style of The Imperial Varnish & Color Co., Limited.

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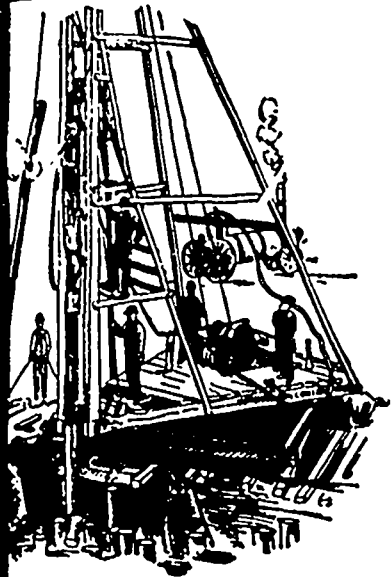
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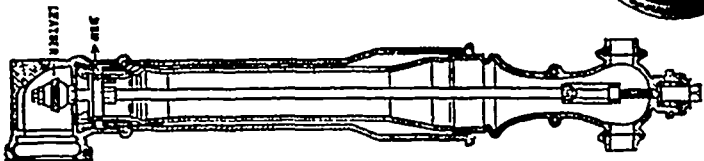
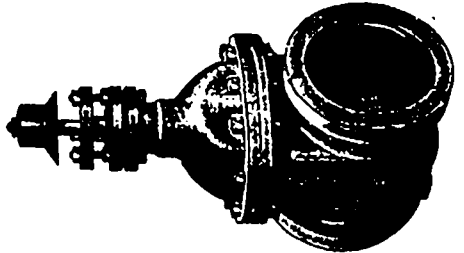
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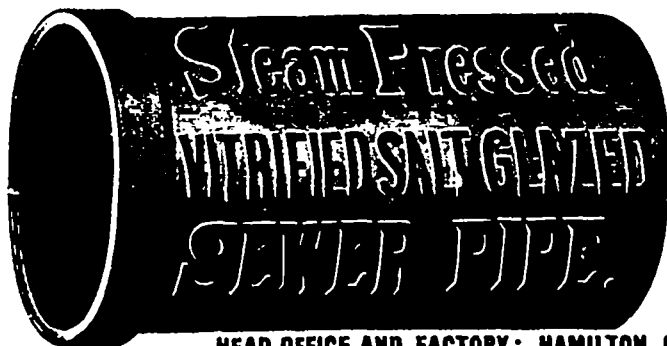
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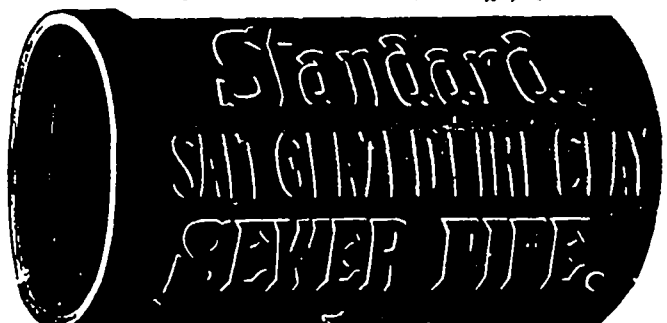


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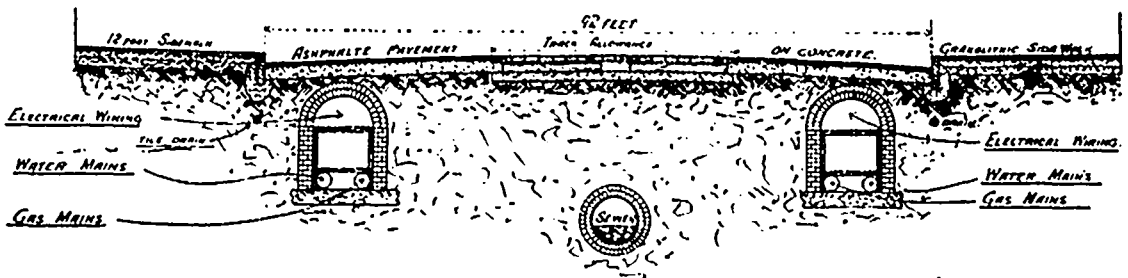


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UNDERGROUND CONDUIT FOR ELECTRIC WIRES.

The City Council of Ottawa, through its Fire and Light Committee, a few weeks ago instructed the city engineer, Mr. John Galt, to report upon the feasibility of placing the electric light, telegraph and telephone wires underground. Mr. Galt's report, together with a preliminary sketch showing the pro-



PROPOSAL FOR UNDERGROUND CONDUIT—CITY OF OTTAWA.

posed method of subway construction, will be found below :

To Chairman and Members of Fire and Light Committee :

GENTLEMEN,—Acting upon your instructions to investigate and report upon the feasibility of having all electric wiring underground, so as to obviate the nuisance of the overhead system constructed and carried upon unsightly poles along the streets of the city, I beg to report as follows: Underground wiring is quite practicable from a civil, mechanical and electrical standpoint, notwithstanding the objections, difficulties and obstacles to be encountered.

The most important feature to be considered from the standard of municipal requirements is the system of underground work. The ideal method, unquestionably, would be separate open subways on each side underneath the sidewalks or along the street roadway, close to the gutter or curbing, large enough in size for the accommodation of water, gas, electric wiring, etc., including facilities for examining, making repairs and house connections.

This seems to be the only suitable plan of subway construction, and will give separate underground space on each side of the street for pipes and wire service to the street line. Of course this, you see, would require duplicate water and gas mains, but there could be no objection outside of the extra cost, because in the central portion of the city this is both desirable and highly advantageous, subway or no subway.

My conclusions are as follows :

(1) In cities overhead wiring is highly objectionable from every standpoint.

(2) Underground systems are practicable for all kinds of service, notwithstanding the serious objection urged, including interference on account of electrical induction.

(3) A single subway in the middle of the street, although practicable, is entirely unsuitable, because connections to house property would require constant cutting up and repairing of streets.

(4) It is more than apparent, without further explanation or illustration, that under municipal ownership the extent and interference in the tearing up of streets will be reduced to a minimum.

(5) In the end the results will be highly satisfactory and economical to all concerned, while at the same time the dangerous, annoying and objectionable overhead system would be abolished.

In conclusion, I submit a preliminary sketch showing a brick lined underground subway 4 ft. wide by 4½ ft. high, located inside the roadway, close to the curbing.

The total cost for the actual construction of this double subway on the ordinary macadam roadways would be \$12 per lineal foot, and on permanently paved roadways \$16 per lineal foot, to which, of course, would have to be added all the other large incidental expenses connected with the conversion of the present system into the new. If the subways were placed directly underneath the concrete walks, the cost of construction would be increased 25 per cent., and would still have to cross over roadways at all street intersections and in addition be a serious hindrance to pedestrian traffic during period of construction.

Your most obedient servant,

JOHN GALT, City Engineer.

IMPROVED DUST CARTS.

Some months ago the Public Health Committee of the London County Council

of the competition, from a sanitary point of view, was, if possible, to secure the design for a vehicle which should be so effectively covered as to prevent the dust being blown about the street, while the cover should not interfere with the convenient emptying of the various utensils in which the dust is stored by the householders. The total number of competitors was 325. Four of these sent full-sized carts and vans, 50 models, 250 plans and 18 suggestions. The judge, in making his award, has laid down certain desiderata, and, having carefully considered and weighed the relative merits of the designs, gives the premium to Messrs. M. Glover & Sons, of Warwick for their dust van. This vehicle has four sliding covers, with longitudinal and transverse wind guards raised about 8 inches above the covers, with screw tipping gear. In most of the covered vans now in use it has usually been the habit of the men in charge to keep both covers on one side open during the whole of the day, and sometimes to ride upon the open covers. In the van exhibited an improvement has

offered by advertisement a premium of £25 for the best design for a covered dust cart.

There was a large response to the advertisement, and a public exhibition of the designs and models sent in was opened on the 15th inst. by permission of the Sanitary Institute at the Parkes Museum, Margaret street, W. Mr. H. Law, chairman of the council of the Institute, has acted as adjudicator, and has drawn up a descriptive list calling attention to the points of interest possessed by the designs. The object

been effected in the provision of a box in front forming a seat for driving, and a receptacle for tools, disinfectants, etc. The judge thinks that a further great improvement would be a simple mechanical arrangement for preventing more than one cover being opened at the same time. The plan submitted by the Bristol Wagon & Carriage Company was the second best in the opinion of the judge to fulfil the necessary conditions. The designs and models will remain on exhibition until September 9th.



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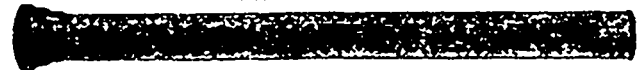
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LONGFORD STONE.

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

SLATE.

Roofing (9 square), " red.....	17 50	20 00
" purple.....	8 50	10 00
" unlading 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, LIME, etc.

Portland Cements -			
German per M.....	2 90	3 10	2 55 2 65
London.....	2 95	3 00	2 25 2 45
Newcastle.....	2 70	3 10	1 95 2 20
" Lion Brand Portland.....	3 05	3 25	2 75 2 90
" Dyckerhoff.....	3 05	3 25	2 65 2 80
North's "Condor".....	2 95	3 10	2 65 2 80
English, artificial, per bbl.....	2 85	3 05	2 5 2 25
Belgian, natural, per bbl.....	2 50	2 75	2 00 2 25
Canadian, artificial, ".....	2 85	3 00	2 60 2 75
Roman ".....			2 20 2 35
Parisian ".....	5 25	5 25	5 75 5 75
Superfine ".....	1 25	7 40	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 45 2 60
" Key-stone" (Belgian).....			2 45 2 60
" Avril" (Belgian).....			1 94 2 05
" Burham" (English).....	2 95	3 00	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
Hall, ".....	1 50		1 50
Ontario, ".....	1 25		

Keene's Coarse "Whites".....	5 50	6 00	5 00 5 25
Fire Bricks, Newcastle, per M	30 00	35 00	16 00 18 00
" Scotch.....	30 00	35 00	19 00 21 00
Lime, 100 lbs., Grey.....			25
" White.....			30
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 50
Steel " " " " " " 2 60

CUT NAILS, FENCE AND CUT SPIKES.

40d, hot cut, per 100 lbs.....	2 50
10 to 12d, hot cut.....	2 25
8d, 9d, " ".....	2 30
6d, 7d, " ".....	2 45
4d to 5d, " ".....	2 55
3d, " ".....	2 80
2d, " ".....	3 15
Cut spikes, 10 cents per keg advance. Steel Nails, 10c. per keg extra. Wire nails, 3-40 base price.	

Iron Pipe:

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

Galvanized Iron:

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

Structural Iron:

Steel Beams, per 100 lbs.....	2 75
" channels, ".....	2 85
" angles, ".....	2 50
" tees, ".....	2 80
" plates, ".....	2 55
Sheared steel bridge plate.....	