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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

PUBLIC WORKS • TENDERS •
ADVANCE INFORMATION •
AND MUNICIPAL PROGRESS

EVERY WEDNESDAY

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

VOL. 11.

APRIL 18, 1900

No. 12

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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Advertising Rates on application.

NOTICE OF REMOVAL

DARLING & PEARSON

Have removed to the Imperial Bank Building, Leader Lane, Toronto, Ont.

TENDERS

Will be received until 12 o'clock, on SATURDAY, APRIL 21ST, for the various trades required in the erection of Two H. uss on Crawford Street, Toronto. The lowest or any tender not necessarily accepted.

MILLER & CO., Architects,
Toronto General Trusts Bldg.,
Colborne and Yonge Sts.

Architectural Student Wanted

Apply immediately, in writing, to THE PEDLAR COMPANY, Oshawa, Ont.

Corporation

OF THE

CITY OF THREE RIVERS

Sealed tenders addressed to the undersigned, and endorsed "Tender for Masonry, St. Maurice Bridge," will be received at this office until

THURSDAY, THE 10TH MAY, 1900;

for the masonry, etc., required in connection with the projected iron bridge over the St. Maurice river, in the City of Three Rivers, according to plans and a specification to be seen at the office of the undersigned.

Tenders will not be received unless made on the forms supplied and signed with the actual signatures of the tenderers.

An accepted bank cheque, payable to the order of the Secretary Treasurer of the Corporation of the City of Three Rivers, for one thousand dollars (\$1,000), must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

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

By order,
L. T. DESAULNIERS,
Secretary-Treasurer.

City Hall, Three Rivers, Que., 10th April, 1900.

TENDERS WANTED

Tenders are wanted for furnishing and erecting

Two Compound Condensing Steam Engines

of sixty horse power each, with two boilers and all fittings, for driving pumps at Water Station. For further information write

HIRAM GOUDEY,
Town Clerk.

Yarmouth, N. S., April 17th, 1900.

Sealed Tenders

Will be received by the undersigned up to FRIDAY, APRIL 27th, for all trades required in making alterations and additions to premises, 75 York Street. Plans and specifications may be seen at the office of the architects to whom tenders are to be addressed. The lowest or any tender not necessarily accepted.

GOULINLOCK & DAKER, Architects,
714 Temple Building, Toronto.

SCHOOL HOUSE

Separate tenders will be received until 7 p.m., MONDAY, THE 23RD APRIL, 1900, for Mason Work, Carpenter Work, Sheet Metal Work and Painting, for a pressed brick school house to be built at Concord, in Township of Vaughan, County of York.

Plans, etc., may be seen at office of Messrs. P. S. Gibson & Sons on Yonge Street, in Willowdale.

No tender necessarily accepted.
Mark envelope "Tender for School House." Address to

HAROLD H. GIBSON, Architect,
Willowdale, County of York.

To Contractors

SEALED TENDERS, addressed to the undersigned, will be received until noon on SATURDAY, the 23rd INST. for building concrete abutments for two bridges to be built on Kettle Creek near Port Stanley. Plans and specifications can be seen at the office of the undersigned. A deposit of \$100 must accompany each tender as a guarantee that the successful tenderer will enter into a proper agreement to complete the work. The Council does not bind itself to accept the lowest or any tender.

JAS. A. BELL, County Engineer,
St. Thomas.

TENDERS FOR

Crematory

Sealed proposals for a Refuse Crematory for the City of Winnipeg, addressed to the Chairman Market, Licence and Health Committee and marked "Tenders for Crematory," will be received at the office of the undersigned up to 8.30 p.m. on

Tuesday, May 15, 1900.

The present population of Winnipeg is 57,000. The approximate quantities of refuse to be disposed per annum are as follows:

Paper, Straw, Boxes, etc.,	Cubic yds.	3,000
Household refuse, etc.	" "	10,000
Night Soil	" "	2,000
Mannure	" "	3,000
Animals	" "	100

Contractors are to guarantee their Crematory to dispose of the above quantities without creating a nuisance, and without offensive smoke. The Crematory is to be so designed that it may be added to as the requirements increase. Contractors may state price at which they will erect a crematory complete and hand it over to the City, or price which they would charge for full working plans and all patented rights to use the Crematory.

Proposals are to be accompanied by cash, draft or accepted cheque for the sum of \$25,000, which will be forfeited in case of failure on the part of contractor to enter into a written agreement in the terms of his proposal within one (1) week from date of notice of acceptance.

Any further information may be obtained from H. N. Rutan, City Engineer, Winnipeg. The City reserves the right to reject any or all tenders or to accept any one which appears advantageous to the City of Winnipeg.

C. J. BROWN,
City Clerk.

City Clerks Office,
Winnipeg, Canada, April 22, 1900.

Tenders for STREET SWEEPING MACHINE

Sealed tenders, addressed to the Chairman Committee on Works, Winnipeg, Canada, for the delivery of one (1) STREET SWEEPING MACHINE, will be received at the office of the undersigned up to

TUESDAY, MAY 1, 1900.

Parties tendering must send with their tender a full description of the machine tendered on, giving dimensions and weight, and materials of which their machine is constructed, with other information as will enable the committee to judge as to the merits of the various machines submitted.

The machine is to be delivered f.o.b. cars Winnipeg, duty free, not later than the 1st June, 1900.

Each tender must be accompanied by an accepted cheque or draft for the sum of \$1,000, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract if called upon to do so. If an accepted cheque is submitted it must be payable at par in Winnipeg, or be for an amount sufficient to cover exchange.

The city reserves the right to reject any or all tenders, or to accept any one which appears advantageous to the City of Winnipeg.

C. J. BROWN,
City Clerk:

City Clerk's Office,
Winnipeg, April 2, 1900,

NOTICE TO CONTRACTORS

Smith's Falls, Ont.

SEWERAGE AND WATERWORKS

Sealed tenders will be received by the Town Clerk until 6 p.m.,

Thursday, April 26th, 1900,

for the construction of about 13,000 lineal feet of tile sewers and about 12,730 lineal feet of water mains, nearly all in rock trenches.

Plans and specifications may be seen at the Town Clerk's Office, Smith's Falls, or at the office of the Chief Engineer, Toronto, on and after April 17th, 1900. No tender necessarily accepted.

B. E. SPARHAM,
Town Clerk,
Smith's Falls, Ont.

WILLIS CHIPMAN,
Chief Engineer,
103 Bay Street, Toronto, Ont.

FOR ADDITIONAL ADVERTISEMENTS FOR TENDERS SEE NEXT PAGE.

ELECTRIC LIGHT TENDERS

Sealed tenders endorsed "Electric Light Tenders," will be received by the undersigned up to noon on

Tuesday, the 24th April, 1900.

1st.—75 Direct current series enclosed or long burning Arc Lamps.

2nd.—75 Alternating current series enclosed or long burning Arc Lamps.

3rd.—Double braided weather proof line wire (8 or 10 miles).

4th.—The whole s.a.b. Ottawa or Hull.

Give full specifications of lamps, amperage, voltage between terminals, and guarantee as to number of hours burning under normal conditions with best carbons.

The right to reject any or all tenders reserved.

R. W. FARLEY,
City Engineer.

Hull, Canada, 5th April, 1900.

CONTRACTS OPEN.

GUELPH, ONT.—William Scriven will erect a residence.

WIARTON, ONT.—A new Baptist church will be built here.

LEAMINGTON, ONT.—The corporation has debentures for sale.

BEAR BROOK, N. S.—R. V. Ditmars will build a new residence.

VICTORIA HARBOR, ONT.—It is probable that a lock-up will be built here.

DURHAM, ONT.—The council is considering the erection of a new town hall.

HARTLAND, ONT.—It is reported that the C.P.R. will build a new station here.

BOBCAYGEON, ONT.—Knox church congregation will likely build new edifice.

COOPER'S FALLS, ONT.—Mr. Lamb, of Brechin, will erect a saw mill on Black river.

SUSSEX, N.B.—Dr. J. J. Daley purposes erecting a brick and stone residence.

MATTAWA, ONT.—Tenders for building residence are invited by George Mackenzie.

COBOURG, ONT.—Considerable sewer and pavement work will be carried out this year.

EVERTON, ONT.—Tenders have been taken for building brick church. Thomas Day is trustee.

DARTMOUTH, N.S.—J. W. Allison intends making extensive improvements to his soap works.

BERLIN, ONT.—Tuerk Bros. have purchased the Ahrens property as a site for proposed factory.

PERTH, ONT.—New houses will be built by Anthony Taulty, Michael Cathcart, and Mr. Smith.

HULL, QUE.—The Finance Committee has been authorized to sell \$80,000 of 4 per cent. debentures.

ALSA CRAIG, ONT.—The corporation offers for sale \$3,000 of debentures. Address C. Walker, reeve.

VANCOUVER, B.C.—The citizens will petition the Government to build a larger drill hall than is proposed.

PICTOU, N.S.—Mr. Feely, C.E., of Boston, has been engaged to report on a water supply for this town.

TRURO, N. S.—W. McCollum, town clerk, will receive bids up to 28th inst. for purchase of \$27,000 of debentures.

WOODSTOCK, ONT.—Dr. Ickes is advertising for 5,000 ties for the Woodstock and Thames Valley electric railway.

RENFREW, ONT.—Tenders closed Monday last for rebuilding St. Paul's church; Rev. W. M. H. Quartermaine, rector.

GRACEFIELD, QUE.—Josiah Ellard has given a site to the village on which to build a court house, to be brick, cost \$5,000.

SMITH'S FALLS, ONT.—The Frost & Wood Co. will carry out extensive improvements and additions to their works.

WINDSOR, ONT.—T. G. Ferris has decided to rebuild his livery and feed stable, to be three storeys, brick, 56x100 ft., cost \$7,000.

WELLAND, ONT.—Tenders have been

taken for the supply of lumber to the city and for the construction of the Hellems ave. sewer.

WINONA, ONT.—R. Smith, clerk municipality of Saltfleet, invites bids up to 20th inst. for purchase of \$4,000 school debentures.

MOUNT ELGIN, ONT.—Tenders have been taken on building brick Methodist church, from plans by M. L. Buffy, architect, London.

PORT PERRY, ONT.—The corporation has a bill before the Ontario Legislature asking authority to borrow \$5,000 to build a house of refuge.

INGERSOLL, ONT.—Richard Seldon, clerk of North Oxford township, will receive tenders up to 19th inst. for construction of the Kellum drain.

CHATHAM, ONT.—Bids are wanted by Saturday, 21st inst., for erection of brick veneered residence for F. W. Kogelschatz; J. W. Carswell, architect.

SANDWICH, ONT.—The Girardot Wine Co. intend erecting vaults and buildings to cost \$75,000. A casino and a large dock will also be built.

KEMPTVILLE, ONT.—At last council meeting a committee was appointed to engage an engineer to prepare plans for proposed bridge at this place.

MEDICINE HAT, N.W.T.—The council is about to advertise for tenders for construction of waterworks system. Plans by H. N. Ruttan, C. E., Winnipeg.

STRATFORD, ONT.—The furniture factory to be built by the George McLagan Furniture Company will be 250x40 feet, brick, four storeys; cost \$40,000.

SELKIRK, MAN.—The Selkirk Electric Co. have asked the Manitoba government for a charter to build an electric railway between this town and Winnipeg.

HUNTSVILLE, ONT.—A deputation from this vicinity has asked the Ontario government for an appropriation of \$15,000 for the Huntsville and Portage railroad.

BLIND RIVER, ONT.—The plant of the Blind River Lumber Co. has been purchased by the Michigan Land & Lumber Co., who will probably remodel same.

LONDESBORO, ONT.—Hullet township council will likely build a bridge at lots 20 and 21, concession 8. An iron structure will cost \$2,500, and cedar \$1,150.

RAT PORTAGE, ONT.—It is announced that John Mather, of Ottawa, has formed an English syndicate to build a pulp mill on the Winnipeg river, at a cost of \$250,000.

BROCKVILLE, ONT.—The board of works will purchase a street sweeper.—There is a prospect of the drill hall contract being let this year by the Dominion Government.

DIGBY, N.S.—Major Daley intends to thoroughly overhaul the electric light plant here.—J. P. Thomas has purchased the McCormack property and will remodel the house.

EDMONTON, N. W. T.—Edmiston & Johnson, architects, have taken tenders for building public hospital.—It is proposed to build a new church here. Particulars from Robert Lee.

KINCARDINE, ONT.—Henry Coleman purposes establishing a packing house here.—Tenders are being taken by John Mills, Royal Oak P. O., for erection of Methodist church.

NEPIGON, ONT.—The North Shore Timber Co. have applied for a charter to engage in the pulp business and to construct a dam about 200 yards above the C. P. R. bridge at this place.

CHARLOTTETOWN, P. E. I.—A four-storey brick or stone block will be built on the corner of Queen and Grafton streets, but work is not likely to be commenced until the spring of next year.

LISTOWEL, ONT.—Messrs. Patterson & Ellis, of St. Marys, purpose starting a factory here to manufacture sewer pipe,

etc.—W. E. Binning, architect, is taking tenders this week for a brick school house for S.S. No. 1, Wallace.

ANNAPOLIS, N.S.—The Nova Scotia Electric Light Co. has had a second survey made of the proposed water power electrical development in the Annapolis valley. It is understood that complete plans will be prepared at once.

PARRY SOUND, ONT.—The necessity of a new gaol is being urged.—Mayor Johnson last week interviewed the Ontario Government soliciting aid for the spur line of the Canada Atlantic railway to this place, covering a distance of five miles.

QUEBEC, QUE.—Tenders for rebuilding the Limoilou church closed on the 29th inst.—The church of St. Valier will be rebuilt. Tenders close on 30th inst.—A new store will be built by Mr. Cantin, at corner of Caron and St. Joseph streets; estimated cost \$25,000.

BRANDON, MAN.—The Assiniboine water power bill has been introduced in the Dominion parliament.—The authorities of the Baptist College purpose erecting a new building, with class room, assembly room, and residence for eighty students; estimated cost, \$35,000. Dr. McDiarmid is principal.

LONDON, ONT.—The estimates of No. 3 committee of the city council include \$5,000 for a fire hall in the north end.—A. O. Graydon, city engineer, wants tenders by 4 p.m. of 19th inst. for construction of sewer on Queen's ave.—The Michigan Central Railroad will double track about one hundred miles of their line.

NIAGARA FALLS, ONT.—The Ontario Power Co. has signed a contract of agreement with the commissioners of the Queen Victoria Niagara Falls Park, and it is intended to commence development work immediately. The estimated cost is placed at \$2,000,000. H. C. Symmes and R. Paine, of this place, are interested.

SARNIA, ONT.—The proposed saw mill of the Edmund Hall Lumber Company will be built on a pile foundation, and a pile tramway will be built across the bay to Sand Point.—R. E. Slack, of Petrolia, has purchased ten acres of land on the London road near this place, and will erect a residence in the near future.

MONTREAL, QUE.—The council of St. Lambert has made an appropriation for road improvements.—Plans have been completed of the elevators and freight sheds to be constructed by the Connors syndicate.—Work will shortly be commenced on the new club house for the National Lacrosse Club; estimated cost, \$35,000.

KINGSTON, ONT.—H. P. Smith, architect, has in hand plans for the renovation of the Roman Catholic church at Erinsville. The improvements embrace a new tower, vestry, etc.—The authorities of the First Baptist church are taking steps towards building a larger edifice; Rev. Douglas Laing, pastor.—J. W. Edwards, county clerk, is taking tenders for masonry work on gaol yard.

FREDERICTON, N.B.—A bill is now before the legislature authorizing the Restigouche & Western Railway Co. to construct a bridge over the St. John river.—The University Senate have appointed Chancellor Harrison, Judge Barker, and J. D. Hazen as a committee to invite tenders for erection of proposed scientific building. Separate tenders will be taken on brick and stone structures.

MIDLAND, ONT.—The council will purchase a road scraper.—A by-law has been passed by council authorizing the issue of \$4,000 of debentures.—W. Gladstone wants tenders by 25th inst. for erection of 0-storey post-office building.—Firstbrook Bros., box manufacturers, Toronto, have purchased the factory and premises of the Midland Box Shook and Planing Mill Co., and will make extensive alterations and additions thereto.

LINDSAY, ONT.—The Flavell Milling Company will build their chop mill and store house by day labor.—A local hotel-keeper is negotiating to secure the Waverly hotel with a view to its extension and renovation.—S. Armour will enlarge his residence by a two-storey addition.—The town clerk wants bids by 25th inst., for erection of fire hall. Separate tenders will be received for excavation, stone and brick work, heating and plumbing.

OWEN SOUND, ONT.—Local capitalists have decided to form a new cement company, and to apply immediately for a charter of incorporation. The works will be constructed at once at Shallow Lake, opposite the works of the Owen Sound Portland Cement Company, and the output will be 500 barrels of cement per day. A. D. Creasor is solicitor for the company.—The Y. M. C. A. contemplate erecting a \$15,000 building.—The Georgian Bay Portland Cement Co. purpose increasing their plant.

ST. JOHN, N.B.—The board of works has been instructed to call for tenders for a steam road roller, estimated to cost about \$3,500.—It is reported that the Dominion Government contemplates erecting a \$30,000 immigration building at Sand Point.—A meeting of the Baltimore Railway & Coal Co. was held here last week, at which it was decided to have surveys made for tunnels to be sunk at Baltimore, Albert county, in connection with the proposed development of the oil industry. Charles S. Daley, of New York, is interested.

HAMILTON, ONT.—Bids are wanted by 24th inst. for supply of road roller of 12 or 15 tons weight. Particulars from T. Beasley, city clerk.—Mr. Patterson, architect, is preparing new plans for the National Cycle & Automobile Company's works, to bring the cost down to \$35,000.—At next meeting of Board of Works, Mr. Wingate will present a statement of the cement walks and roadway construction intended to be carried out this year.—It is said that the National Cash Register Co. will build a factory in this city.

OTTAWA, ONT.—A petition will likely be presented to council in favor of a tar macadam pavement on Chapel street, between Osgoode and Theodore.—P. McMullen is about to erect a residence on Waverley street.—Tenders are invited up to 24th inst., for carpenter, plastering, painting, and galvanized iron work of new school building at Merivale. Plans by M. C. Edey, architect, this city.—The Ottawa Electric Street Railway Co. has had plans prepared for new sheds, to be built of corrugated iron.—The city engineering department has decided to carry out the construction of a number of concrete sidewalks this summer.—The Department of Public Works wants tenders by 19th inst. for supply of heating apparatus for post office at Kentville, N. S.—Building permits were last week granted as follows: Alphonse Julien, brick veneered dwelling on Church street, cost \$1,200; J. C. Dupont, two stores and dwelling, Church street, cost \$2,250.

TORONTO, ONT.—Mr. Hugh Blain, of the wholesale firm of Eby, Blain & Co., is president of the Imperial Starch Co., which company purposes erecting works at Prescott.—The Public School Board invites tenders up to 25th inst. for supply of school desks.—By-laws will likely be submitted to the ratepayers to provide \$130,000 for permanent improvements to school buildings, and \$160,000 for proposed exhibition buildings.—The sum of \$4,600 has been placed in the estimates to provide two new boilers for the machinery hall in the exhibition grounds.—M. Turnbull has taken tenders on excavating, brick and mason work for new boiler room and chimney. Plans were on view at 24 Sheppard street.—Building permits have been granted as follows: W. A. Martin, dwelling on Park road, cost, \$3,300; L. G.

Price, pair semi-detached two storey brick dwellings on Morse street, near Eastern avenue, cost \$2,200, the Canadian Pacific Railway, one storey freight shed of wood and iron, on Lake street, cost \$14,500; George C. Watson, pair two-storey and attic brick dwellings on Dufferin street, near King, cost \$3,600 each; Mrs. M. Cornell, two-storey roughcast dwelling, 58 Spruce street, cost \$1,400; E. W. Dyas, two-storey residence on Centre Island, near the lake shore, cost \$1,300.—It is probable that an extension will be built to the Clyde hotel.

WINNIPEG, MAN.—The Stobart block will likely be remodelled and another storey added.—The sum of \$4,000 has been secured for the purpose of building a new home for the Girl's Home of Welcome. A site has been purchased and a committee appointed to arrange for plans.—The directors of the Winnipeg Industrial Association will invite tenders for erection of new horse stables, new grand stand, and for a building to represent British Columbia.—The Bell Telephone Co. purpose extending their underground system in this city.—The Legislature is likely to take steps this session looking to the erection of a fire-proof building for the library and museum. Preliminary measures in this direction were taken last year.—An asphalt or macadam roadway will be constructed on Broadway, from Osborne west to Maryland street.—The board of works is considering the question of providing means of carrying street traffic over the tracks at Main street. Some of the citizens favor the construction of a subway, others an overhead bridge.—The city may issue debentures for \$25,000 for erecting and equipping a public bathing place, also \$65,000 for constructing a bridge across the Red river.—The building committee of the public school board has recommended that tenders be invited for completion of the new Machray school, cost \$6,000, that plans be prepared for four class rooms to be added to the Albert school, cost \$14,000, and for proper board room offices, cost \$5,000; also that a by-law be submitted to the ratepayers to raise \$60,000 by debentures for school purposes.—The following works have been recommended by a committee of the city council: Sewers on St. Patrick street, cost \$2,150, on Sherbrooke street, cost \$2,900, on Boyd avenue, cost \$740, on Austin street, cost \$2,300, on Manitoba avenue, cost \$1,360, on Lusted street, cost \$1,940; cedar block pavement on portion of Bannatyne avenue, cost \$1,700, and on Selkirk avenue, cost \$7,100.—J. Greenfield, architect, has taken tenders on brick and stone residence on Notre Dame avenue for H. Hardy.

Same architect has prepared plans for stone and frame addition to store on William avenue for J. Dyke, and for alterations and additions to store on Notre Dame avenue for W. Stephenson & Co., plumbers.—C. H. Wheeler, architect, wants tenders by 21st inst. for additional storey to Campbell block.—Excavating is now in progress for G. W. Murray's new planing mill.

CONTRACTS AWARDED.

EMBRIO, ONT.—Office for Dr. Green: Clarkson Bros., contractors.

BROCKVILLE, ONT.—Granolithic sidewalks. Frank Dolan, this city, contractor.

DIGBY, N. S.—New town hall: S. Comeau, of Meteghan, successful tenderer.

BLYTH, ONT.—Block of stores: McNeil & Pugh, of Brussels, brick and plaster work.

HUNTSVILLE, ONT.—Addition to Ronville hotel: Irons & Winnacott, successful tenderers.

CHATHAM, N. B.—Stone school building: John McDonald, successful tenderer; price, \$30,500.

FORLST, ONT.—55,000 feet granolithic walks: Cadwell Silix Stone Company, of Windsor, successful tenderers.

HARRISON, ONT.—85,000 square feet of stone pavement. Silica Barytic Stone Co., of Ingersoll, successful tenderers.

QUEBEC, QUE.—Convent of Jesus Mary at Sillery. E. Tanguay, architect, O. Gignac, contractor. The building will cost \$12,000.—The directors of proposed bridge across the St. Lawrence are said to have let the contract for steel masonry work to the Phoenix Bridge Company, of Phoenixville, Pa.

WELLAND, ONT.—Contracts have been awarded as follows for erection of public school building from plans by J. A. Ellis, architect of Toronto: Carpenter work, J. Lovell, Niagara Falls, Ont., \$5,630; mason work, etc., M. Vanderburg, \$5,750;

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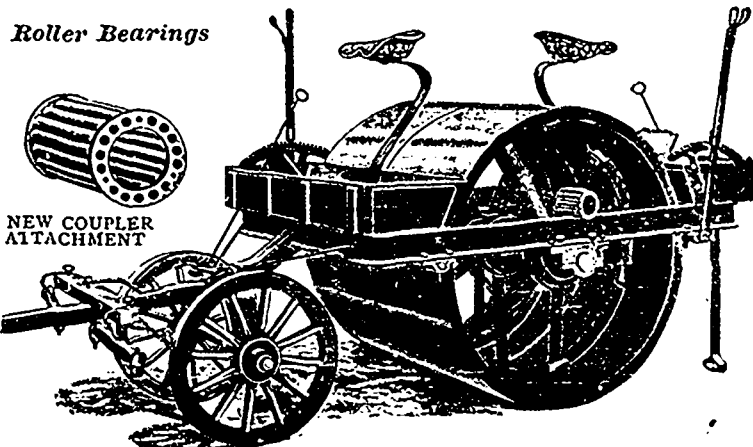
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plumbing, Purdy, Mansell & Co., Toronto, \$809; heating and ventilating, Pease Furnace Co., Toronto, \$1,145.

OTTAWA, ONT.—Militia stores building for Dominion Government: Joseph Bourque, of Hull, and Charles Lemoine, of Renfrew, successful tenderers; price, \$52,000.—Alterations to city treasurer's office: Carpenter work, W. H. McGillivray, \$743; painting, George Howe, \$127; plumbing, J. R. McClennan, \$95.—John Burns has secured contract for sub-structure of Maria street bridge; price, \$35,000.

HALIFAX, N.S.—A. A. Hayward has taken a contract for two eight-hundred shafts at Glace Bay for the Dominion Coal Company.—Twelve tenders were received by the city for supply of cement; that of Black Bros. & Co., at 66½ cents per 100 lbs. for White's cement, being accepted. Other successful tenderers for supplies were: Drain pipe, F. Hyde & Co., Montreal; granite, W. D. Yeomond; special castings, John A. Thompson.—The following tenders were received for work in connection with new building for civic electric light plant: Extending wharf: Reid & Archibald, \$1,845, Francis Mosher, \$2,025. Building: Samuel Marshall, \$4,208. Monaghan & Co., \$4,487, Maxwell & Co., \$4,675; Foundation: Maxwell & Co., \$7.40 per cubic yard, concrete; G. B. Lowe, \$8 per cubic yard, concrete; Monaghan & Co., \$9 per cubic yard; concrete, Samuel Marshall, \$12.83 per cubic yard, concrete. The tenders of Maxwell & Co. for foundation, and Reid & Archibald for wharf extension, have been accepted.

TORONTO, ONT.—The City Council has accepted the following tenders: Concrete pavements—Sherbourne street, bridge to South-drive, City Engineer, \$1,621. Brick pavements—Niagara-street, Bathurst street to King street, W. F. Grant & Co., \$11,233; Front street, York to Simcoe street, John McBean, \$6,600. Brick track allowance pavements—Queen street, Gwynne avenue to Roncesvalles avenue, Dominion Paving & Constructing Company, \$9,150; Spadina avenue, College street to Bloor street, City Engineer, \$5,585; Bathurst street, King street to Queen street, Dominion Paving & Constructing Company, \$3,250. Cedar pavements—Metcalf street, Winchester street to Amelia street, W. F. Grant & Co., \$696. Macadam roads—St. Mary street, Yonge street to west end, John McGuire, \$6,814. Concrete sidewalks—Elgin avenue, south side, Avenue road to Bedford road, A. Gardner & Co., 77c; Howland avenue, both sides, Bloor street to Barton, City Engineer, 67c; Hazelton avenue, west side, Yorkville avenue to Davenport road, A. Gardner & Co., 70c; Lowther avenue, north side, Madison avenue to Spadina avenue, City Engineer, \$1.27; Huron street, east side, Lowther avenue to Ber-

nard avenue, A. Gardner & Co., 67c; Huron street, west side, Lowther avenue to Bernard avenue, A. Gardner & Co., 78c The contract for pipe laying has been let

to McQuillan & Co., at \$7,588. For pavement on Spadina ave., the tender of the Dominion Paving & Constructing Co. has been accepted, price \$5,585.

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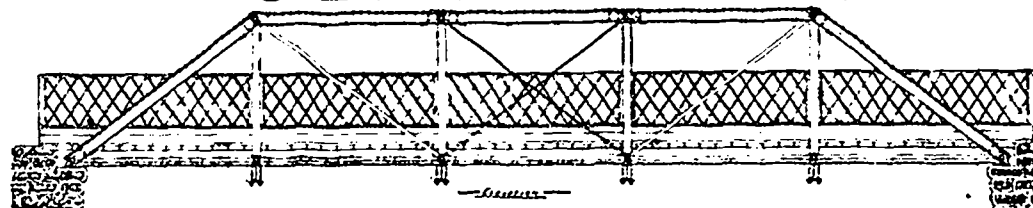
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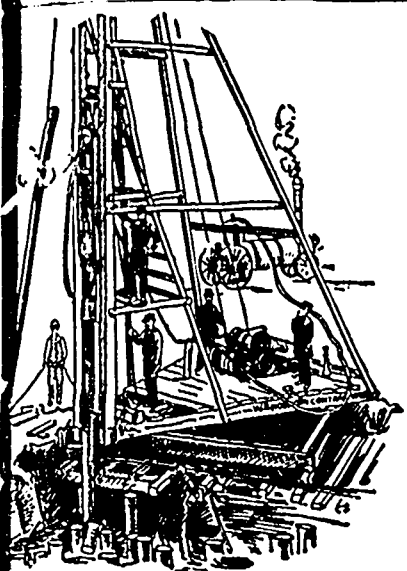


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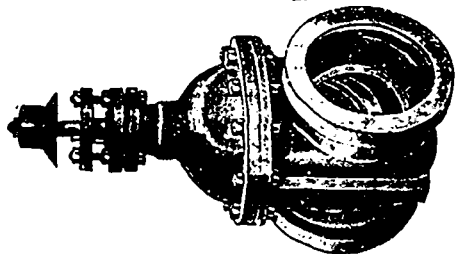
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COUNTY SYSTEM OF ROAD MAKING.

The Provincial Instructor of Public Highways for Ontario has issued a special report, in which he advocates a county system of public highways. Of the advantages of this system he says:

Under a county system, a portion of the cost of road building is levied, in the county rate, against the towns and villages within the municipality for road purposes. In order to extend this tax to the cities, it will be necessary to amend the statutes. At the present time, under township systems, the farmers bear the entire cost. All the expenditure placed on roads would be spent in the county, and thus returned in a great measure to those who contributed it in the first place.

Under county control a properly organized corps of men can be employed to build and repair roads. As at other employments, they become experienced and do better work, and in the matter of repairs are ready to make them as soon as signs of wear appear.

By a county plan, uniformity of work and system will be secured throughout the various municipalities, whereas under township control a diversity of plans is sure to be adopted.

In a county plan an experienced and properly qualified man could be employed to have constant supervision of the work, whereas under township control, each municipality cannot afford to pay the salary of such a man. Under every good system it is necessary to have responsibility centralized and defined, not divided and easily shifted from one to another, as it now is under the statute labor system.

Under county control modern machinery, too expensive for individual townships, can be purchased and handled to advantage, an experienced operator can be employed for each implement, and a better and more uniform class of work will be secured.

A township can manage its road properly only by adopting a plan similar to that outlined under a county system, but by extending it over a county it becomes more cheaply operated.

A properly connected system of leading roads throughout the county will be obtained under a county system; whereas with each township, and even each statute labor beat, working independently of those around it, this will be lost sight of.

There is no community of interest between the townships. In one township there is a certain leading road much travelled and well made and maintained. The adjoining municipality may for various

reasons not consider it of so much importance as to warrant them in making an expenditure to benefit largely their neighbors who are obliged to travel over it.

During the winter months when snow is plentiful, the necessity for use of the roads is as great as at any other season. But unfortunately often in one night they become by drifts almost impassable, especially for heavy teaming; or at least, owing to drifts and pitchholes, are made very unserviceable. The opening of snow roads would be part of county maintenance, and the necessity would supply implements for doing the work promptly and cheaply.

If no greater expenditure is made upon the roads than at present, the rate will be reduced, because most of the township expenditure is now placed on the leading roads, and the township will be relieved of these by a county system. Under the county system the funds will be sufficiently

concentrated to undertake durable work, and consequently these roads will be properly constructed and afterwards maintained at a less cost than at present.

A county road system equalizes the cost of maintaining leading roads. In every county within a certain radius of a market town, traffic constantly increases as the town is approached. The cost of construction and maintenance increases in proportion to the traffic. It is unfair to charge those living near the town with the cost of building roads to accommodate traffic from a distance, so unfair as to cause discouragement and often withdraws support.

(To be Continued.)

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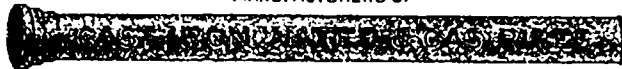
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Common Rubble, per ton, delivered.....	11 00	11 00
Large flat Rubble, per ton, delivered.....	4 00	16 00
Foundation Blocks, per cu. ft. Granite (Stanstead) Ashlar, 6 in. to 12 in., rise 0.75 per ft. Amherst Red Sandstone. Amherst N.S., per cu. ft. Kent Free stone Quarries, Moncton, N. B., per cu. ft. River John, N. S., brown Freestone, per cu. ft. Port Philip, N. S. Brown Sandstone.....	95	95

"Scoria" Paving Blocks, 8" x 3 1/2" x 5".....	55
"Scoria" Paving Blocks, 8" x 3 1/2" x 4".....	45 00
Masilon.....	30 00
Quebec and Vermont rough granite for building purposes, per cu. ft. f.o.b. quarry For ornamental work, cu. ft. Granite paving blocks, 8 in. x 12 in. x 2 1/2 in. per sq. ft. Gran te curbing stone, 6 in. x 20 in. per linear foot.....	40 1 00 40 50 00 70

CREDIT VALLEY STONE.

Rubble, per car of 14 tons.....	7 00
Brown Coursing, up to 10 in., per sup. yard.....	1 50 to 1 75
Brown Dimension, per cu. ft. Grey Coursing, per sup. yard Grey Dimension per cu. ft.	60 1 00 45

LONGFORD STONE.

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

SLATE.

Roofing (per square).		Toronto.	Montreal.
" red.....	17 50	20 00	
" purple.....	8 50	10 00	
" adding 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 bbl.....	2 90	3 70	2 55	2 65
London.....	2 95	3 00	2 25	2 45
Newcas l.....	2 70	3 10	1 95	2 10
" Joson" Brand Portland.....	3 05	3 75	2 75	2 80
" Dyckerhoff.....	3 05	3 25	2 75	2 90
North's "Condor.....	2 95	3 20	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 70	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 00	9 00
" Karlsruhe" (German).....	3 05	3 25	2 75	2 90
" Germania" (German).....	3 05	3 25	2 75	2 90
" Rooters" (Belgian).....			2 75	2 20
" Keytons" (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 50	2 65
Queenston, ".....	1 50	1 50	1 50	2 60
Napanee, ".....	1 50		1 50	2 60
Hull, ".....	1 50		1 50	2 60
Ottario, ".....	1 25			

Fire Bricks, Newcastle, per M	30 00	35 00	16 00	11 00
" Scotch	30 00	35 00	19 00	11 00
Lime, 100 lbs., Grey.....			30	
" " White.....			35	
Plaster, Calcined, N. B.....			2 00	
" " N. S.....			2 00	
Hair, Plasterers', per bag.....	80	1 00		

HARDWARE.

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

Cut nails, 5d & 6d, per keg	2 85
Steel " " "	2 95

CUT NAILS, FENCE AND CUT SPIKES.

40d, hot cut, per 100 lbs.....	2 95
10 to 12d, hot cut.....	2 95
8d, 9d, " ".....	3 00
6d, 7d, " ".....	3 15
4d to 5d, " ".....	3 25
3d, " ".....	3 50
2d, " ".....	3 85
Cut spike, 10 cents per keg advance. Steel Nails, 11 c. per keg extra. Wire nails, 3.50 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
" " 2 " " ".....	24
" " 2 1/2 " " ".....	30
" " 3 " " ".....	43

Lead Pipe:

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

Galvanized Iron:

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

Structural Iron:

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