

# CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • ANY 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.*

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No. 20

**THE CANADIAN CONTRACT RECORD,**  
PUBLISHED EVERY WEDNESDAY  
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**C. H. MORTIMER PUBLISHING COMPANY**  
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### TO ARCHITECTS

Wanted—an engagement as Draughtsman by Architect having varied experience, principally in domestic and suburban and domestic interior design; exhibitor at R.A. and R.C.A.  
Address care of C. H. MORTIMER, Esq., Canadian Architect, Toronto.

**A MANAGER WANTED**  
by the Stratford Gas and Electric Light Company.

Applications will be received till JUNE 21st. Letters addressed to the President will receive prompt attention. State in application what experience and salary. A young married man preferred.

### Pumping Machinery and Turbines

Sealed proposals will be received at the office of the City Engineer, Hull, Canada, up to 12 o'clock, noon, of

**Tuesday, the 25th day of June, 1901,**  
for the manufacture, delivery and erection of two sets of duplex, double acting, power pumps, each set having a capacity of 3,000,000 U.S. gallons per day, together with turbine wheels, shafting and gearing for operating said pumps under a head of 18 feet.  
Plans may be seen at the office of the undersigned, from whom specifications and any further information may be obtained.  
The right to reject any or all tenders is reserved.  
R. W. FARLEY,  
City Engineer.

### Tenders

will be received by the Town of Woodstock Ont., until 5 p. m., on **TUESDAY, THE 19th DAY OF JUNE,** for 200 h.p. Compound Engine and accessories, and 100 kilowatt A.C. Generator and accessories.  
Specifications may be seen at the office of the Secretary-Treasurer, Water and Light Commissioners, Woodstock, Ont.  
A marked cheque for 5% of the amount of the tender must be deposited.  
For further particulars apply to the undersigned.  
GEO. C. EDEN, WM. A. TURBAYNE,  
Secretary-Treasurer, Consulting Electrical Engineer,  
Woodstock, Ont. Hamilton, Ont.

### TENDERS WANTED

Tenders will be received by the Council of the Village of Exeter up to 7 o'clock p.m., on **MONDAY, JUNE 24th, 1901,** for laying 15,000 feet (in or over) of Granolithic Sidewalks.  
Plans and specifications may be seen at the office of W. H. Levent, Esq., Exeter.  
GEO. H. BISSETT,  
Village Clerk  
Exeter, June 12th, 1901.

**TOWN OF BERLIN**  
Berlin Board of Works  
TO CONTRACTORS

Tenders will be received by the undersigned up to noon on **SATURDAY, 22nd INST.,** for the construction of the Victoria Street Drain.  
Plans and specifications may be seen, and forms of tender obtained at the office of the Town Clerk.  
The lowest tender not necessarily accepted.  
(Signed) CASPAR BRAUN,  
Chairman Board of Works.

### BRIDGE

Separate tenders addressed to the undersigned or to Mr. W. J. Mulloy, Yattou P.O., will be received up till the evening of **MONDAY, JUNE 24th, 1901,** for the building of Concrete or Masonry abutments and Steel Superstructure of a county bridge over the River Speed on the town line between Guelph and Eramosa Townships.  
The plan and specifications of the masonry may be seen by applying to either W. J. Mulloy, Yattou, P.O., or John McClellan, Arthur, or at the County Clerk's office, Fergus, or at the engineer's office, Guelph.  
A deposit in the form of a marked cheque for 5 per cent. of the amount of tender must accompany each bid.  
The lowest or any tender not necessarily accepted.  
J. HUTCHISON,  
Engineer,  
Guelph.

### Tenders Wanted

Sealed Tenders, marked "Tenders for Sewerage," addressed to the undersigned, will be received until **SATURDAY, 22nd day of June, 1901,** AT NOON,  
for the putting in of a Sewerage System for the whole Town of Campbellton, N. B., according to the plan and specifications of Willis Chipman, C. E., Toronto, Ont.  
Plans and specifications may be seen at the office of the said Willis Chipman, C. E., Toronto, and at the office of the undersigned Chairman of Sewerage Committee, Campbellton, N. B. The work to be completed on or before the 20th day of October, 1901.  
Each tender must be accompanied by a certified bank cheque, payable to the Town Treasurer, or cash for an amount equal to five per cent. of the tender, which will be forfeited if the party tendering declines to enter into contract when called upon, or fulfill specifications. Should the tender not be accepted the deposit will be returned.  
Not obliged to accept the lowest or any tender.  
W. M. MURRAY,  
Chairman of Sewerage Committee.  
Campbellton, N. B., May 7th, 1901.

### FOR SALE.

Sandstone quarry for sale. Grey sandstone quarry near Orangeville, on line of Canadian Pacific Railway, one of the best all round quarries in Ontario. For particulars apply to S. J. Parker, Owen Sound.

### TENDERS WANTED.

Sealed tender will be received by the undersigned up to 7.30 o'clock, p. m., on **MONDAY, JULY 1st, 1900,** for laying thirty-two thousand (32,000) square feet, more or less, of granolithic side walk in the Town of Listowel.  
Specifications and forms of tenders can be procured on application to the undersigned.  
Marked cheque for two hundred dollars to accompany each tender.  
WILLIAM BRIGHT,  
Town Clerk.  
Listowel, June 15th, 1901.

### TENDERS

Tenders will be received up to 12 o'clock, noon, on **FRIDAY, THE 28th INST.,** for a **Four Room Separate School Building** to be erected on Close Avenue, and for an **Addition to a School on Sackville Street;**  
also for **MIDSUMMER REPAIRS** to the various separate schools.  
Each tender must be accompanied by a marked cheque equal to 10 per cent. of its amount, payable to the order of the Secretary-Treasurer of the Separate School Board, which cheque will be forfeited if the parties tendering fail to carry out the contract when called upon to do so.  
Tenders to be addressed to M. Walsh, Esq., Chairman Sites and Building Committee of Separate School Board, City Hall.  
Plans and specifications can be seen on and after Friday, the 21st inst., at the office of ARTHUR W. HOLLIES, Architect, 170 Spadina Avenue.  
The lowest or any tender not necessarily accepted.

### Tenders for Pavements WANTED.

#### TOWN OF WALKERVILLE

Tenders, addressed to the undersigned, will be received up to **MONDAY, THE 24th DAY OF JUNE, 1901,** at 12 o'clock noon, for the construction of certain cedar block pavements on the following streets, viz:  
The Walker Road, to commence from the present pavement by the Malleable Iron Company to 900 feet from the northern limit of the Canadian Bridge Company's land.  
Tuscorora street, from 2nd street to 5th street.  
Cataragui street, from 2nd street to 5th street.  
Niagara street, from 4th street to 5th street.  
Fourth street, from Cataragui street to Niagara street.  
Sandwich street, from 4th street to east town limit, in the Town of Walkerville.  
Plans and specifications may be seen on application to Mr. Owen McKay, C. E., Walkerville.  
Tenders must be accompanied by a marked cheque, made payable to the Town Treasurer, equal to 2 1/2 per cent. of the amount thereof.  
Tenders to give price for pavements on a sand foundation, also on a concrete foundation.  
Lowest tender not necessarily accepted.  
CECIL H. ROBINSON,  
Town Clerk.  
Walkerville, Ont., June 12th, 1901.

**TENDERS**

FOR

**Paving Bricks and Stone Blocks**

Sealed tenders, addressed to the Chairman of the Committee on Works, for the supply of 80,000 vitrified bricks for street paving (prices are also invited for stone blocks), will be received at the office of the undersigned up to 8.30 p. m. on

Thursday, June 27, 1901.

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

Each tender must be accompanied by an accepted cheque or cash deposit for the sum called for in the form of tender supplied, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract with approved sureties, if called upon to do so.

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

C. J. BROWN,  
City Clerk.

City Clerk's Office,  
Winnipeg, Canada, June 8, 1901.

**TORONTO****Public School Board****TENDERS WANTED**

Sealed Tenders will be received by the Secretary-Treasurer of the Board until

Friday Noon, June 28th,

for the several works required for the

**Repairs, Alterations and Improvements**

required at the various schools during the summer vacation.

Plans and specifications may be seen, and all information obtained at the office of the Board, City Hall, on and after Wednesday, June 19th.

Each tender must be accompanied by the deposit mentioned in the said specifications and forms of tender.

The lowest or any tender will not necessarily be accepted.

R. A. BUCK, M.D., Chairman of Property Com.  
W. C. WILKINSON, Secretary-Treasurer.

**Notice to Contractors****Tenders for Pavements and Sidewalks.**

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to noon on THURSDAY, JUNE 27th, 1901, for the following works:

**CEDAR BLOCK PAVEMENT.**

Corcord avenue, from College street to Dewson street.

**MACADAM ROADWAY.**

Simpson avenue, from Broadview avenue to Howland avenue.

Parliament street, from King street to Mill street.  
Wilson Avenue, from Sherbourne street to Parliament street.

**BRICK PAVEMENT.**

Alice street, from Yonge to Terulay.

**CONCRETE SIDEWALKS.**

Manning avenue, east side, from College street to Ulster street.

Prospect, north side, from Rese avenue to Ontario street.

Lowther avenue, south side, from Avenue road to Bedford road.

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

Plans and specifications may now be seen, and forms of tender obtained, at the office of the City Engineer.

A deposit in the form of a marked cheque payable to the order of the City Treasurer, for the sum of 5 per cent. on the value of the work tendered for up to \$1,000 and 1/2 per cent. on the value of the work tendered for over that amount, 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.

O. A. HOWLAND (Mayor),  
Chairman Board of Control.

City Hall, Toronto, June 15th, 1901.

**WANTED**

Good Architectural Draughtsman. Apply with references and salary expected to

ARNOLDI & EWART,  
Architects, Ottawa, Ont.

**Town of Pictou, N. S.****Water Works****TO CONTRACTORS**

Sealed tenders will be received by the undersigned, at the town office, Pictou, N. S., until FRIDAY, THE 27th INST., at 7.30 o'clock p. m., for furnishing and laying Service Pipe in the Town of Pictou, N. S.

Plans and specifications for this work may be seen at the Town Office, Pictou, and at the office of the engineers, Messrs. Lea and Coffin, 53 State Street, Boston, Mass.

The Town Council expressly reserve the right to reject any or all bids.

By order of the Town Council.

FRED MACKARACHER,  
Town Clerk.

Pictou, N. S., June 15th, 1901.

**CONTRACTS OPEN.**

BRANDON, MAN — Burchell & Howey intend erecting a brick block.

MOOSE JAW, N.W.T.—R. Bogue, merchant, will erect a brick store, 2, x 125 feet.

LITTLE CURRENT, ONT.—J. & T. Charlton intend building coal docks and freight sheds here.

CRYSLER, ONT.—Tenders close 26th inst, for construction of iron bridge over the Payne river.

SYDNEY, N.S.—Revised plans of new court house have been prepared and tenders are now being taken.

LONDON, ONT.—Alterations and improvements to the Victoria Hospital will shortly be made, at a cost of \$4,000.

SUDBURY, ONT.—H. R. Halton, architect, of Sault Ste. Marie, is preparing plans for new hotel to be built by Mr. Morin.

SUSSEX, N.B.—The fire wardens have been granted permission to issue debentures for \$25,000 to provide increased fire protection.

HALIFAX, N. S.—A committee has been appointed by the School of Art and Design to select a site for a new building.

NEW WESTMINSTER, B.C.—J. G. Scott, of the Pacific Coast Lumber Co., states that the saw mill recently burned will be re-built.

NEWCASTLE, N.B.—Surveys are now being made by Willis Chipman, C.E., for the proposed waterworks system to be installed here.

RAT PORTAGE, ONT.—The Rat Portage Lumber Co. have purchased Hughes & Long's saw mill at Beaver Mills, and will enlarge the plant.

TRURO, N. S.—A residence will shortly be built by D. F. McDonald.

MIDHUURST, ONT.—Bids are asked by G. Sneath until the 24th inst. for purchase of \$1,000 debentures.

LOUISBURG, N.S.—William F. Kiely asks tenders up to 24th inst. for erection of a Glebe house.

MIDLAND, ONT.—Steps may be taken at an early date to erect a hospital in this town.

BROCKVILLE, ONT.—B. D. architect, is preparing plans for new wing to the General Hospital.

KEARNNEY, ONT.—Tenders are asked by A. H. Allman up to 29th inst for erection of Anglican church.

WOODSTOCK, ONT.—A new Separate school will be built at the corner of Ingersoll avenue and Oxford sts.

SYDNEY, N.S.—A W. Cruise, manager of the Roslyn theatre, have decided to build a large theatre at Glace Bay.

PEMBROKE, ONT.—Thackray & Rawlins have purchased a site here on which they will build a steam planing mill.

WATERFORD, ONT. Bids are asked by Arthur Bowly up to 29th inst for erection of town hall, from plans by Alex. Rock, architect.

ST THOMAS, ONT.—A by-law will be submitted to the ratepayers to grant a bonus of \$2,000 for the establishment of a shoe factory.

COLLINGWOOD, ONT.—By-laws have been passed in council providing for the issue of \$10,000 debentures for local improvements.

FORT WILLIAM, ONT.—The citizens will vote on a by-law on July 17th to raise \$900 to purchase new hose and equipment for fire protection.

ROSSLAND, B.C.—The provincial authorities have suggested that the city council should vote \$10,000 in addition to the Government grant and build a brick and stone school.

THOROLD, ONT.—Tenders are requested by James Wilson, Mayor, up to 24th inst., for the construction of 200,000 square feet of cement walk in this town.

MOULINETTE, ONT.—Extensive improvements will be made this summer to Christ Church, including new chancel, stained glass windows, vestry, furnace, organ, etc.

DARTMOUTH, N.S.—The by-law to enable the town to grant \$100,000 bonus for establishment of a steel ship building plant was carried large majority last week.

CHESTER, N.S.—Bids are asked by Charles A. Smith, secretary of trustees, up to 25th inst., for erection of school building, from plans by Herbert E. Gates, of Halifax.

VICTORIA, B.C.—Thomas Hooper, architect, invites tenders up to 23rd inst. for erection of a sailors' and soldiers' home.—The city council is getting information from bridge companies regarding plans and cost of a bridge at Point Ellice. Particulars may be obtained from city engineer.

ST CATHARINES, ONT.—Plans have been completed for new buildings to be built by the McKinnon Dash Metal Company. There will be ten buildings, all brick, with steel framework. The main building will be two storeys, 300x60 feet, five other buildings each 100x50 feet, and four others 100x60, 40x120 60x100 and 25 x100 feet.

**FOREIGN and DOMESTIC PORTLAND CEMENTS**

Pure refined Coal Tar for Tar Macadam Roadways and Pavements.

Sanitary Building Papers and Patent Wire Edged Ready Roofing for Municipal and other Buildings.

ECONOMICAL DURABLE FIREPROOF

**THE PATERSON MANFG CO., LIMITED.**

TORONTO MONTREAL ST. JOHN HALIFAX

NEVIS, ONT.—Marshall Bros. are about to build a new residence.

PRESTON, ONT.—A waterworks system for this town may be installed.

WELLAND, ONT.—A new building may be erected by the Frost Wire Company.

CANNING, N.S.—Louis Harris is about to build a new residence, to cost \$8,000.

FARNHAM, QUE.—The Roman Catholics are planning to erect a costly church, to replace the one recently burned.

OSHAWA, ONT.—The selection of a site for the House of Burgesses engaging the attention of the county council.

RIDGETOWN, ONT.—The county council has made a grant of \$1,000 towards the erection of a new town hall here.

ORILLIA, ONT.—W. H. Croker, architect, has prepared plans for a new Presbyterian church at Allandale, two cost \$4,000.

WELLWOOD, MAN.—Tenders have just closed for erection of Methodist church here. Particulars from William Nesbitt.

GUELPH, ONT.—John Crowe has purchased property on Cork street on which to build an extensive addition to his iron works.

WOODSTOCK, ONT.—Donald Monro, superintendent of waterworks, invites tenders up to 22nd inst. for erection of dwelling house.

GASPEREAUX, N.S.—It is reported that New York capitalists are considering the erection of pulp and paper mills at White Rock.

SARNIA, ONT.—M. Burrows, architect, is getting out plans for remodelling and relititing the Loughhead block for the Bank of Toronto.

STRATFORD, ONT.—The tenders received for Collegiate Institute building have been found too high, and it is likely that the plans will be modified.

NANAIMO, B.C.—The Commercial Bank will proceed immediately to erect a two storey brick building, to contain stores, offices and bank premises.

ECHO PLACE, ONT.—1, Westbrook will receive tenders up to 22nd inst. for repairing school house in S. S. No. 22, work to be commenced by August 15th.

KINGSTON, ONT.—It is reported that the tenders for building a new opera house are in excess of the amount subscribed and the scheme may be abandoned.

ST. BONIFACE, MAN.—Notice has been given in council of a by-law to provide for a new bridge across the Red river between this town and Winnipeg. The Canadian Northern Railway have offered to build the approaches and subway.

EDMONTON, ALBERTA.—On June 24th a by-law will be voted on

to raise \$4,000 for the purpose of acquiring a market site.—On June 24th the ratepayers will vote on a by-law to grant a bonus of \$500 for the erection of a woolen mill.

CALGARY, N.W.T.—W. M. Dodd, architect, has prepared plans for addition to Queen's hotel, to be 130x71 feet, three storeys high, containing 25 rooms.—McHugh Bros. are about to build a two storey stone building containing offices and stores, to cost \$15,000, and may build a residence also.—Mr. Dodd has also drawn plans for three stores at Revelstoke, B.C., to cost \$15,000.

LISTOWEL, ONT.—I. T. Hamilton will build a residence, corner Wallace and Penelope streets.—W. E. Pining, architect, is taking tenders for large pressed brick residence for John Leckie, of Brussels, slate roof, cut stone trimming, plumbing, hot water heating, etc., cost \$1,500, and for white brick residence for H. O'Neil, of Wingham, cost \$2,500. He has also under way a Methodist church at Brigidon and a pressed brick residence for Jno. Ritchie of Wingham.

CHATHAM, ONT.—T. J. Rutley, architect, has prepared plans and taken tenders for erection of office building and addition to gas works.—The Chatham Mineral Water Co. have purchased the Taylor property. The house will be remodelled and an

up-to-date bath house erected.—It is proposed to erect a bridge over the river Thames, at the Raleigh and Tilbury town line connecting Dover east.—The Queen street school will be remodelled, at cost of \$5,000.

ST. JOHN, N.B.—The Intercolonial Railway management are considering the installation of a gas plant in this city.—At a meeting of the Imperial Dry Dock Company, held last week, it was decided to call for tenders for construction of concrete and wooden docks. George Robertson is president of the company, and Thos. McAvity vice-president.—Contractors are now figuring on the plans prepared by H. H. Mott, architect, for improvements to the Carleton Baptist church.—The I.C.R. officials are now getting information with a view to preparing plans for proposed new buildings and improvements in this city. The yards will be re-arranged and a new engine house of 16 stalls built.—The plans of H. H. Mott, architect, have been accepted for proposed alterations and additions to the city and county jail; estimated cost, \$10,000.—The raising of the waterworks dam at the Little river reservoir and the improvement of the water supply generally are likely to be undertaken by the council at an early date.—R. C. John Dunn, architect, has prepared plans for new school to be built on Elm street.

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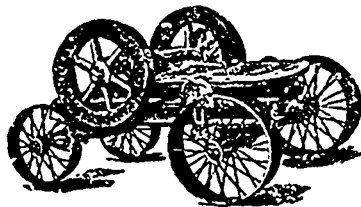
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Estimates Furnished on application.



Beams, Channels, Angles and Tees always in Stock

PORT ARTHUR, ONT.—E. Varis has purchased a site on which to build a residence.

SAULT STE MARIE, ONT.—C. J. Pim, town clerk, wants offers by July 12th for purchase of \$70,000 sewerage debentures.

HANOVER, ONT.—Tenders are wanted for waterworks, water wheels, duplex pumps, artesian wells, piping, &c., by July 5th See particulars in next issue.

MINNEDOSA, Man.—J.T. Russell, architect, of Winnipeg, has prepared plans for a handsome dwelling to be built at this place by R. H. Myers, M.P.P.; estimated cost, \$15,000.

GALT, ONT.—Shully & Deitrich are still negotiating with the council regarding the proposed erection of a tool factory, to consist of a main building 400x70 feet, warehouses, etc., and to cost, including plant, \$50,000.

ALVINSTON, ONT.—The trustees of S.S. No. 11 have been granted authority to issue debentures for \$1,800 for erection of new school.—L. Lindsay, commissioner, wants tenders by Saturday, 29th inst., for construction of 7th concession drain.

SACKVILLE, N.B.—A. R. Wetmore, government engineer, is taking levels preparatory to making plans for a new bridge across the Tantramar.—The Sackville Electric Light & Telephone Company are about to carry out extensive improvements.

ST. CLEMENTS, ONT.—Tenders are asked for the construction of a steel-iron bridge in the western section of the township of Wellesley, to be 75 feet long, with stone or concrete abutments. Particulars from Thomas Short, Reeve, Linwood.

CALGARY, N.W.T.—G. G. Anderson, irrigation engineer, of Denver, Col., has completed his survey in connection with the Bow River irrigation scheme of the C.P.R., and will shortly make a report to the company. The work proposed is quite extensive.

LANARK, ONT.—The members of Zion Congregational church have decided to build a new church, to cost \$4,500. A committee, of which T. B. Caldwell is a member, has been appointed to secure plans. The Roman Catholic church to be built here will not be commenced until next summer.

LONDON, ONT.—John Hodgins, 251 Chiepside Street, invites tenders up to 24th instant for erection of brick veneer residence.—C. C. Young is building a two-storey brick residence on Elwood avenue.—McGillvray township council has granted the sum of \$1,475 for erection of school building.

BRANTFORD, ONT.—Building permits have been granted as follows. Harvey Mulligan, brick residence on Erie avenue, cost \$1,000, Y.M.C.A., alterations to First Presbyterian church, cost \$10,000, trustees of Zion Presbyterian church, additions

and alterations, cost \$10,000; Geo Cooley, two brick residences, West Mill street, cost \$2,000.—Tenders close 21st inst. at office of G. W. Hall, architect, for erection of a church for Alexandria Presbyterian congregation.

FREDERICTON, N.B.—The Department of Public Works are asking for tenders up to July 1st for rebuilding Loder Creek bridge in Sunbury county, Oak Bay bridge in Charlotte county, and Morency bridge in Sunbury county.—Tenders are wanted by inst. for installation of hot heating and plumbing in residential building, University of New Brunswick. Plans at office of J. R. Ince, this city, and G. E. Fairweather, architect.—Tenders close 24th inst. for erection of skating rink, from plans from W. E. Minnie.

VANCOUVER, B.C.—Tenders are invited for the masonry and concrete work in connection with foundation for new foundry of the Vancouver En-

# Pumping Machinery

"For all Duties"

- Power Pumps
- Duplex Pumps
- Electric Pumps
- Artesian Well Pumps
- Compressed Air Pumps

We are prepared to equip municipal or other water works plants with Pumping Machinery of the latest and most approved designs. We manufacture Steam and Power Pumps of all types, for any duty. Our long experience is behind all our products. They are the standard in Canada for excellent service. Catalogues and specifications on request from The Northey Company, offices and workshops at Toronto, Ont.

We have several excellent second hand pumps in first-class condition for water works services at close prices. Send for Catalogues.



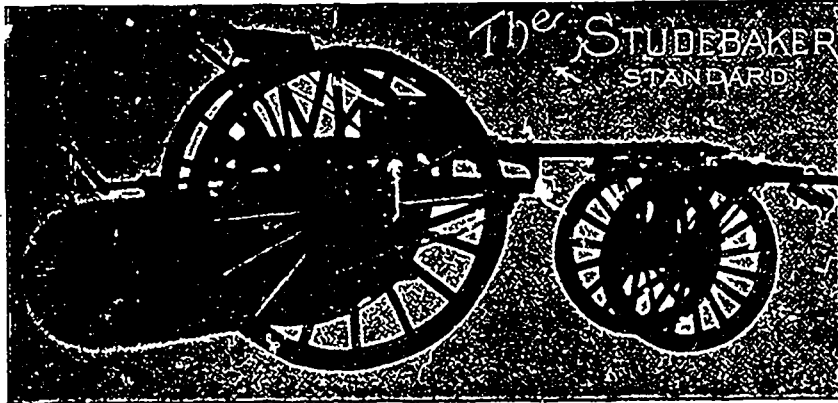
## The Canadian Bridge Co., Limited

WALKERVILLE, ONT.

MANUFACTURERS OF

# RAILWAY AND HIGHWAY BRIDGES

Locomotive Turn Tables, Roofs, Steel Buildings and Structural Iron Work of all descriptions.



### Studebaker Sprinkler

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Does not clog or get out of order. Greatest width Can be graded from driver's seat to any volume.

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### Stackpole Patent Improved Street Sweeping Machine the Standard of Perfection.

Because no sweeper so effectually does the work for which it is designed as "The Studebaker." It Sweeps Clean. No sweeper is constructed with the same degree of care and mechanical precision. It Wears Well. "The Studebaker" has the smallest possible number of working parts, and has less gearing than any other sweeper made. It is free from unnecessary complications. With reasonable care it will not get out of order. Send for complete descriptive catalogue.

Geo. Heaman, Mnfr., London.

gincering Works.—By-laws will shortly be submitted to the ratepayers to raise \$60,000 for waterworks extension, \$28,000 for new jail, and a considerable sum for erection of fire-hall.—A proposition has been submitted to the council to build an exhibition palace on Stanley Park, at a cost of \$50,000. At the last session of the legislature \$25,000 was voted for the reconstruction of bridges across the north arm of the Fraser river. It is proposed to put in steel spans.

**HAMILTON, ONT.**—It is reported that another strong company is being formed to manufacture cotton, and that the erection of a factory will be commenced in the course of a month.—Building permits have been granted as follows. George E. Mills, alterations to Central fire hall, Hughson street north, cost \$1,600; A. W. Penne, brick dwelling on Hanna street, for William Morris, cost \$2,000, W. & W. Stewart, architects, two brick dwellings, corner Oak and Reginald streets, cost \$2,300, E. B. Patterson, brick dwelling on Napier street, for George Monteith, cost \$1,450.

**QUEBEC, ONT.**—The Jacques Cartier Water Power Company is negotiating for a water power on the Jacques Cartier river at Pont Rouge, and if acquired it will be developed at a cost of \$300,000. Engineers are now taking surveys of the power.—The Quebec Government has a proposition on foot to erect three new bridges over the Gatineau river, to be situated at Lake St. Mary, Gracefield and Bouchette.—The Quebec Railway, Light & Power Company intend building an elevator at Montmorency Falls.—The residents of Lachevrotiere street have petitioned for a block pavement.

**OTTAWA, ONT.**—The Board of Health have decided to purchase either the O'Reilly property at the rear

of the old cemetery or the Lynden Lea property in New Edinburgh as a site for a contagious disease hospital.—It is proposed to construct a number of granolithic sidewalks this summer.—On behalf of the public school Board, William Rea, secretary, invites tenders up to 21st inst. for supply of school furniture for the new Wellington Street school.—Building permits have been granted as follows: T. W. Alexander, brick dwelling, James street south, cost \$2,500; L. L. Brown, brick dwelling, Tackaherry street west, cost \$1,000, Richard Haw, brick dwelling, Maria st north, cost \$5,000; Andrew Kerr, frame dwelling, Division street west, cost \$1,200, Public School Board, building, cost \$30,000, Margaret Brennan, residence and hotel, Clarence street north, cost \$1,500.—An-noldi & Fwart, architects, have extended the time for receiving tenders for building for St. Patrick's Hall Company to 20th inst.

**TORONTO, ONT.**—The chief architect of the Public Works Department has gone to the Eastern States to secure information to be used for the preparation of plans for science building of Toronto University.—

—Tenders for repairs, alterations and additions to the public schools are invited up to 28th inst.—It is the intention of the Pure Gold Manufacturing Company to erect a new building on Wellington street west.—F. W. Stair, of Hamilton, has purchased the old Temperance hall on Temperance street, and has engaged Geo. E. Mills, architect, of Hamilton, to prepare plans for proposed alterations.—Building permits have been granted as follows: George H. Hees, alterations to residence, 174 St. George street, cost \$5,000, Thos. Andrews, two storey brick dwelling, Meredith Crescent, near Huntley st., cost \$4,500, H. O'Hara, pair two storey brick residences, corner Elm avenue and Dunbar road, cost \$7,000, William Middleton, brick dwelling, McMaster avenue, near Avenue road, cost \$3,500, J. H. C. Hoops, pair two storey and attic brick dwelling, Albany avenue, near Bloor street,

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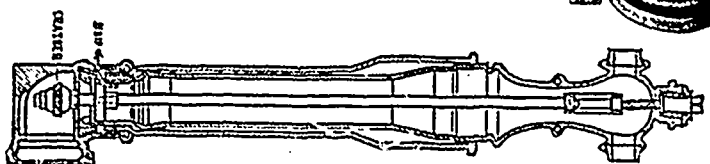
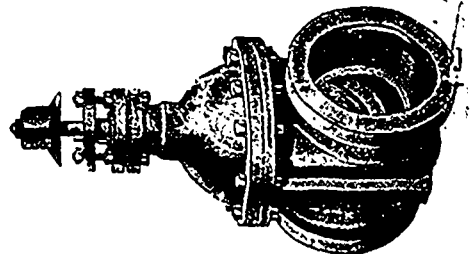
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WALKERVILLE, - ONTARIO



cost \$8,500; A. Nicholson, two storey and attic brick residence, 89 Walmer road, cost \$6,000; M. A. Marshall, pair two storey and attic brick dwellings, west side Albany avenue, cost \$5,000. Mr. Powell, druggist, proposes to erect a residence on land owned by him on Dovercourt road. R. Bigley, four storey brick factory, 3 Richmond street, cost \$4,500.—The Toronto Electric Light Company have purchased the old Boustead property, No. 10, 12 and 14 Adelaide street east, and will erect thereon a modern office building, with a frontage of 59 feet.—The city council have passed a by-law providing for the extension of street car tracks on Dupont street and the pavement of the track allowance.

**MONTREAL, QUE.**—In his annual report presented last week, Mr. Janin, waterworks superintendent, draws attention to the need of a new pump for the high level reservoir, and places the cost at \$15,000.—The Shawinigan Water & Power Company have stated their intention of building a transmission line from Shawinigan Falls to Montreal, for the distribution of electric current.—About \$5,000 will be spent this summer in repairing the city hall.—At the next semi annual meeting of the Montreal Amateur Athletic Association plans for a new club house will be considered.—Robert Gould is interesting himself in the establishment of a new race track.

**FIRES.**

McDonald's cheese factory at Sunbury, Ont.—R. C. church at St. Francis, near Belleville, Ont.—Dwelling at St. Martins, N.B., owned by William H. Davidson.—Cheese factory at Brickley, Ont., owned by S. D. Bailey.—Saw mill at Venosta, owned by R. N. Sulley, of Cascade.—Fire at Bruce Mines, Ont., on 12th inst., destroyed the main shaft building at the Bruce copper mine; lots \$35,000.—Saw mill of Seaman & Company at Eva Lake near Port Arthur, Ont.

**CONTRACTS AWARDED.**

**SAULT STE. MARIE, ONT.**—Residence for Joseph Morin: J. O'Boyle, contractor.

**NAPANEE, ONT.**—Public library building: J. N. Wager, successful tenderer.

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One of the best in the market—

**"BALANCE BRAND"**

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**PIG LEAD, PIG TIN AND SOLDER**

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**CORPORATIONS** Will do well to consider our work and prices before letting contracts

The Silica Baritic Stone Company  
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ALTER MILLS,  
General Manager.

Head office:  
INGERSOLL, ONT.

**WHEALEY, ONT.**—Hotel for Mr. Mahoney: James & Hancock, of Merlin, contractors.

**CARLETON PLACE, ONT.**—Hanson Bros., of Montreal, have purchased \$14,500 town debentures.

**ST. JOHN, N.B.**—New Immigration shed: James H. Pullen, successful tenderer; price, \$28,000.

**ARNPRIOR, ONT.**—The town council recently invited tenders up to May 14th for construction of main sewers, separate tenders being invited for the whole work divided into different sections, as well as for the supply of sewer pipe. The tenders received were as follows: Clarke & Connolly, of Toronto, for the whole work without the pipe, \$26,900; Clarke & Connolly, for contract No. 9, \$18,932; Clarke & Connolly, for pipe, \$13,000, Thos. Moran and Robt. Riddell, for contract No. 9, \$6,122.70; J. L. McQuigge and A. H. Bruce, for contract No. 10, \$8,894; Canadian Sewer Pipe Co., Hamilton, for pipe, \$10,278.85; Toronto Pottery Co., Toronto, for pipe, \$14,122.80.

**JOHN GALT, C.E. & M.E.**

MEM. CAN. SOC. C.E. AND C.E.A., ETC.  
(Late City Engineer of Ottawa and Chief Engineer of the Water Works Dept.)  
**CONSULTING ENGINEER and EXPERT**  
NATIONAL TRUST BUILDING,  
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Specialties—Water Supply and Sewerage.

The above tenders being in excess of the engineer's estimate, the time was extended to May 28th. Clarke & Connolly and Moran & Riddell then withdrew their tenders, and the following were received in addition to the others which remained: Thos. McLachlin, Ottawa, for contract No. 9, \$10,661; Thos. McLachlin, for contract No. 10, \$7,690; Thos. McLachlin, for the whole work, \$18,551; A. J. Brown, Toronto, for contract No. 9, \$17,041.35; A. J. Brown, Toronto, for contract No. 10, \$10,126.35; A. J. Brown, Toronto, for the whole work, \$27,167.70; Moran & Riddell, contract No. 10, \$7,123.25. Changes in the specifications were then made, and the two lowest tenderers, Thos. McLachlin and Moran & Riddell, were asked to submit new tenders. The former tendered at \$13,811 for the whole work, and the latter at \$14,212. The council have accepted the tender of Thomas McLachlin for construction work and that of the Canadian Sewer Pipe Co. for the supply of pipe.

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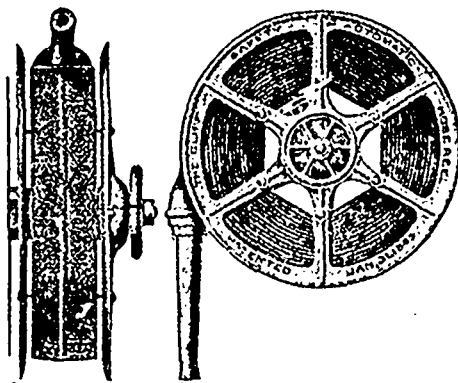
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# MUNICIPAL DEPARTMENT

## A MUNICIPAL ASPHALT PLANT.

(Continued from last week.)

It appears from the second foot-note to the table that the item entered under 1900 as maintenance should be charged, in part, to capital. Likewise, it is probable that a portion of the outlay for tools in each year should be so charged. In making up the figures presented below we have charged half of each of these three items to capital. Another charge against capital is the new steam roller. This cost \$3,500, but we are informed that it is used more on macadam than on asphalt work, and that only one-third should be charged to the asphalt capital account. The teaming having been done by the hour it may be assumed that all the charges under that head are included in the 40 cents per hour, already mentioned.

We may now attempt to determine at least some of the items that should be added to the figures already given as the cost of material and labor for asphalt paving in 1899 and 1900, in order to compare municipal and contract costs. The true capital account is first given, then the various items of current expense, as follows:

<b>Capital Account—</b>	
1899—Original cost.....	\$12,322
1/2 cost of road roller.....	1,200
1/2 cost of tools.....	131
	\$13,653
Depreciation at 5 p. c.....	682
	\$12,971
<b>Maintenance, operation and capital charges</b>	
Maintenance.....	\$ 568
1/2 tools.....	131
Interest at 4 p. c. on.....	\$13,653.....
	546
Depreciation at 5 p. c. on.....	\$13,653.....
	682
Lost taxes.....	100
	\$ 2,027
<b>Capital Account—</b>	
1900—To balance.....	\$12,971
New sheds, etc.....	733
1/2 tools.....	61
1/2 old maintenance charge.....	524
	\$14,289
Depreciation at 5 p. c.....	714
	\$13,575
<b>Maintenance, operation and capital charges</b>	
1/2 old maintenance charge.....	524
1/2 tools.....	61
Interest at 4 p. c. on.....	\$14,289.....
	572

## DEBENTURES

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Depreciation at 5 p. c.	714
on \$14,280.....	100
Lost taxes.....	100
	\$1,970
<b>Summary and Averages—</b>	
1899—48,843 sq. yds. labor and material.....	\$2,000
48,843 sq. yds. capital, maintenance, etc.....	42
	\$2,042
Total per sq. yd., 1899.....	\$2,042
1900—22,064 sq. yds. labor and material.....	\$2,064
22,064 sq. yds. capital, maintenance, etc.....	39
	\$2,153

The item of \$100 for lost taxes is the approximate amount paid to the city on the plant before its purchase from the former owners. A small rental fee for the land on which the plant stands is included under maintenance. Possibly insurance, if any is carried, is also included under that head. As to the rates of interest and depreciation, we are informed by the city engineer that the city pays 3 1-2 to 4 per cent on its loans and that depreciation may be reckoned at "between 5 and 10 per cent; probably not much exceeding the former." Had we taken the highest instead of the lowest figure for depreciation it would have added only some 3 cents per square yard to the final result of our calculations.

To the revised figures of \$2.04 per square yard in 1899 and \$2.15 in 1900 our readers may add such items as they think proper for contractor's guarantee and profits and for any contingencies not already considered or for which proper allowance has not been made.

It is interesting to note that two of the same contractors offered to lay \$2.715 per square yard, respectively for 16,800 sq. yds. of the pavement laid by the city in 1899, and that one of the same contractors offered to lay 28,300 sq. yds. of asphalt, on another street, for \$2.47, after the city had decided to buy the asphalt plant.

In our issue of Feb. 21, 1901, we published a table by Mr. F. V. E. Bardol of Buffalo, N. Y., showing the average cost of asphalt pavements in forty-seven cities, for the year 1900. In that table the cost for Winnipeg was given as \$1.79, instead of the \$2.064 cited at the beginning of the article, or the revised figure of \$2.15. The discrepancy is explained by the fact that Bardol's figures for Winnipeg excluded grading and the cost of 3 inches of gravel beneath the concrete foundation, besides some other small charges.

The average reported cost of asphalt paving in the forty-seven cities was \$2.29. On making various corrections for differences in local conditions a new average of \$2.41 was secured, but the new figure for Winnipeg was reduced from \$1.79 to \$1.76, owing to higher local prices for concrete which more than offset the lesser thickness of concrete foundation and wearing surface at Winnipeg and also Mr. Bardol's addition of 18 cents to the Winnipeg figures to make up for the lack of the contractor's guarantee for maintenance. The standard for the latter was ten years, which Mr. Bardol valued at 18 cents per square yard of pavement. It may be added that the concrete in place at Winnipeg cost \$5.7482 per cubic yard, or \$0.7403 per square yard for a depth of 4 1-2 inches. Also that the length of the working day was nine hours.

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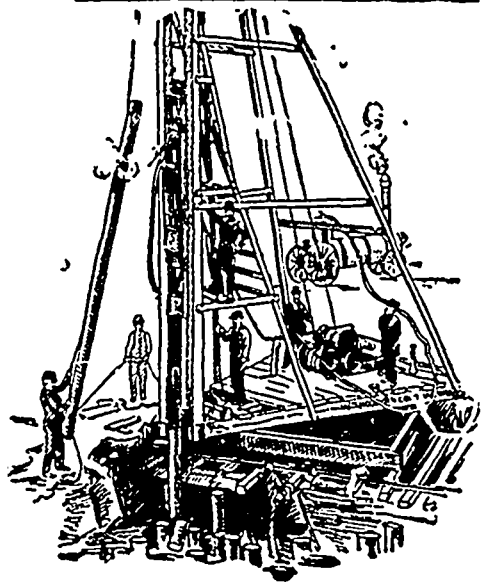
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In the "Canadian Architect and Builder."

Table of advertisements categorized by profession: Architects, Contractors' Plan and Machinery, etc. Includes names like Ontario Directory, Rice Lewis & Son, and various engineering firms.

Municipal Officers are asked to mention THE CONTRACT RECORD when writing to advertisers.

Prices of Building Materials.

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Table listing prices for pressed brick from Milton Pressed Brick and Sewer Pipe Co. Columns include item name, F.O.B. Milton, Ont., and F.O.B. Montreal.

Table listing prices for pressed brick from Toronto Pressed Brick and Terra Cotta Works. Columns include item name, F.O.B. Milton, Ont., and F.O.B. Montreal.

Table listing prices for pressed brick from Bramsville Brick and Terra Cotta Co. Columns include item name, F.O.B. Beamsville, and F.O.B. Montreal.

Table listing prices for various building materials like Peerless, Roman Red, and Vitrified Paving Brick. Columns include item name, price per unit, and location (Beamsville/Montreal or Toronto/Montreal).

Table listing prices for stone materials like Common Rubble, Granite curbing, and various types of sandstone. Columns include item name, price per unit, and location (Toronto/Montreal or F.O.B. Halifax).

Table listing prices for slate roofing materials. Columns include item name, price per square, and location (Toronto/Montreal).