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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

EVERY

PUBLIC WORKS • TENDERS •
ADVANCE INFORMATION •
AND MUNICIPAL PROGRESS

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.

MARCH 8, 1899

No. 6.

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

An Intermediate Edition of the "Canadian Architect and Builder."

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Information solicited from any part of the Dominion regarding contracts open to tender.

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Tenders for Supplies

Tenders, addressed to the undersigned, in care of the City Clerk, Brantford, and marked "Tenders for Supplies" will be received up to 12 o'clock, noon, on MONDAY, MARCH 20TH, 1899, for the supply of the following materials required by the Board of Works Department of the City of Brantford:

- | | |
|-----------------|----------------|
| 1. LUMBER. | 4. SPIKES. |
| 2. CEDAR POSTS. | 5. SEWER PIPE. |
| 3. OAK PLANK. | 6. CEMENT. |

According to specifications to be obtained on application to the City Clerk, Brantford.

Parties tendering for spikes are asked to give a separate price for spikes manufactured in Brantford. The lowest or any tender not necessarily accepted.

W. G. ELLIOTT,

Chairman Board of Works.

Brantford, February 25th 1899.

TENDERS FOR

Waterworks Supplies

Sealed Tenders addressed to the Chairman of the Fire, Water and Light Committee, will be received at the office of the undersigned up to 6:30 p.m. on

Monday, April 3rd, 1899,

for the supply of the following materials:

- | |
|----------------------------------|
| 100 tons Pig Lead. |
| 75 tons Lead Pipe. |
| 2000 Corporation Cocks. |
| 2000 Sidewalk Cocks. |
| 2000 House Stop and Waste Cocks. |
| 2000 1/2 in. Meters. |
| 100 " " |
| 100 " " |
| 100 " " |

Specifications and forms of tender may be obtained at the office of H. N. Ruttan, City Engineer, Winnipeg.

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 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 over the sum called for in the form of tender supplied.

No tender necessarily accepted.

C. J. BROWN,

City Clerk.

City Clerk's office, Winnipeg, Man., Feb. 25, 1899.

WANTED Draughtsman of three or four years' experience.

F. S. BAKER, Architect, 90 Yonge Street.

Sealed Tenders

Will be received until FRIDAY, MARCH 17th, 1899, for all trades required in the erection of a Detached Brick Residence in Rosedale. Plans and specifications may be seen at the office of the Architect, to whom tenders are to be addressed. The lowest or any tender not necessarily accepted.

F. S. BAKER, Architect,
90 Yonge Street, Toronto.

TENDERS WANTED

Sealed Tenders will be received by the undersigned up to noon on FRIDAY, THE 24TH DAY OF MARCH, for the Court Room, Office and Vault Furniture and Fixings and Gas and Electric Fixtures and Hardware required in the Elgin County Court House. Specification and other particulars may be obtained at office of N. R. Darrach, Architect, St. Thomas.

K. W. McKAY, Co. Clerk,
St. Thomas, Ont.

TENDERS

Tenders will be received up till noon of the 27th inst. for all the various trades required in the erection of a new office for the Canadian Bank of Commerce in Winnipeg.

Plans and specifications may be seen at the office of MESSRS. DARLING & PEARSON, Architects, Toronto

The lowest or any tender not necessarily accepted.

TO CONTRACTORS

Tenders will be received by the undersigned up to MONDAY, 20TH MARCH NEXT, for the erection of a

Brick School House

AT UPTERGROVE.

Plans and specifications can be seen at the offices of the architects, Thorpe, Kennedy & Co. Barris, and at the office of F. J. Gillespie, Uptergrove. Lowest or any tender not necessarily accepted.

PETER THOMSON, Secretary,
Uptergrove.

TENDERS

FOR THE

SUPPLY OF AN ASPHALT PLANT

Sealed Tenders, addressed to the Chairman of the Committee on Works for the supply of the whole or any portion of the Machinery for the establishment of an Asphalt Plant for the City of Winnipeg, will be received at the office of the undersigned up to 8:30 p.m. on

Wednesday, March 22nd, 1899.

Specifications and forms of tender may be obtained upon application at the office of Col H. N. Ruttan, 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 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 over the sum called for in the form of tender supplied.

No tender necessarily accepted.

C. J. BROWN,

City Clerk.

City Clerk's Office, Winnipeg, February 26th, 1899.

Tenders Wanted

Tenders will be received at once for the various trades in altering a store in this city. The lowest or any tender will not necessarily be accepted.

R. J. EDWARDS & WAGNER, Architects,
18 Toronto Street, Toronto.

TENDERS

Will be received until noon, SATURDAY, 11TH INSTANT, for the several trades required in building a

LARGE COTTAGE IN MUSKOKA.

The lowest or any tender not necessarily accepted.

R. J. EDWARDS & WAGNER, Architects,
18 Toronto Street, Toronto.

NOTICE TO CONTRACTORS

WATERWORKS AND SEWERAGE

For Prescott, Ontario.

Sealed Tenders, addressed to the undersigned, will be received until 18 p.m. on SATURDAY, THE 25TH DAY OF MARCH, 1899.

Plans, specifications and all other information can be obtained at the Commissioner's office, Prescott, or at the office of the Consulting Chief Engineer, Canada Life Building, Toronto, also at Ottawa.

Proposals must be made in the proper form furnished, and accompanied by a certified bank cheque for seven per cent. of tender, payable to the Treasurer of the Corporation, which will be retained as security, in the case of accepted offers, until work is fully completed to the satisfaction of the engineer.

The lowest or any tender not necessarily accepted.

JOHN RANEY, Secretary,
Board of Water Commissioners.

Prescott, 6th March, 1899.

TENDERS FOR

ELECTRIC LIGHTING PLANT

TOWN OF PICTON, ONT.

Sealed Tenders addressed to R. A. Norman, Town Clerk, Picton, Ont., will be received until 1 o'clock p.m. on TUESDAY THE FOURTH DAY OF APRIL, 1899, for the supply of the following machinery required by the Corporation:

ALTERNATOR—300 Volts, 120 Kilowatts Capacity.
TRANSFORMERS—1000 Lights Capacity, 355 rated size.

STEAM ENGINE—Low Speed, 125 h.p. Capacity.
SUPPLIES—Weather proof Wire Insulators, Cross-arms etc.

Copies of specifications and all information can be had on application to the undersigned.

RODRICK J. PARKE,

Consulting Electrical Engineer,
10 Temple Bldg, Toronto Can.

The Middleton Marble and Granite Company, Limited, of Hamilton, has been granted incorporation, with a capital of \$20,000.

The Roofers' Supply Company, Limited, of Toronto, has been incorporated, with a capital of \$20,000. The provisional directors are George Duthie, jr., R. B. Rennie, Harry Hudson, A. B. Ormsby and Andrew Dods.

Archie Stewart has filed a petition of right in the Exchequer Court, claiming \$600,000 from the government for his quarries at Rockland, part of which were expropriated by the government to get stone to complete Mr. Stewart's contract on the Soulages canal.

CONTRACTS OPEN.

BIRTLE, MAN.—A movement is on foot to erect a hospital.

BEARBROOK, ONT.—A new Anglican church will be erected here this spring.

HULL, QUE.—Surveys are being made for a site for the proposed government wharf.

ALMONTE, ONT.—A new pipe organ will likely be purchased for St. Andrew's church.

DUNDAS, ONT.—The county of Wentworth will probably issue \$20,000 of debentures.

PETERBORO', ONT.—W. H. Meldrum purposes erecting a two hundred barrel flour mill.

WATFORD, ONT.—Tenders have been taken for the construction of the Parker-Shirley drain.

REVELSTOKE, B. C.—The Oddfellows' Society is considering the erection of a new building.

WELLAND, ONT.—A. Griffiths and C. J. Page will probably establish a pork-packing factory here.

WATERLOO, ONT.—It is the intention of Schaefer, Killer & Co. to build a large addition to their factory.

WHITBY, ONT.—The establishment of a municipal electric light plant is under consideration by the council.

MINNEDOSA, MAN.—Steps will be taken at once to rebuild the Presbyterian church. Rev. W. J. Herbison, pastor.

PORTAGE LA PRAIRIE, MAN.—T. T. Bailey has purchased property, and will likely build a substantial block.

PRESTON, ONT.—It is again rumored that the Galt, Preston & Hespeler railway is to be extended to Berlin.

ST. THOMAS, ONT.—The city will likely construct a number of permanent pavements during the current year.

BUCKINGHAM, QUE.—The Anglican congregation have decided to build a church, of stone, and to cost \$2,000.

SHELBURNE, ONT.—Ward & Smith, of Alton, have made a proposition to the council to establish a woolen mill here.

VALLEYFIELD, QUE.—A deputation of citizens have requested the Canada Atlantic Railway Co. to build a new station here.

CHATHAM, ONT.—J. L. Wilson & Son, architects, have prepared plans for a brick residence for Henry Stevens, to cost about \$3,000.

ALVINSTON, ONT.—Tenders are wanted by Geo. H. Clark, of Rokeby, for building a frame school house. Plans at office of A. S. Code, this place.

MIDLAND, ONT.—The town purposes constructing permanent sidewalks this year, and the council are looking into the merits of vitrified brick.

PEMBROKE, ONT.—Promoters of the proposed cottage hospital scheme have purchased a site and will erect a building as soon as funds are available.

ORILLIA, ONT.—Authority is being sought from the government to issue \$75,000 of debentures to establish an electric light and power plant.

TILBURY, ONT.—It is probable that the electric light plant will be changed to the alternating system, and that a new 750-light dynamo will be purchased.

NEW WESTMINSTER, B.C.—The city clerk has been authorized to call for tenders for the erection of a fire hall at the corner of Eighth and Simcoe streets.

MCGREGOR, MAN.—S. & W. Little purpose erecting a new general store. —T. E. Scott & Co. contemplate building a brick store to replace the burned premises.

GRAVENHURST, ONT.—A movement is on foot to secure the removal of the

county buildings from Bricebridge to this place. A bonus of \$12,000 and free site is offered.

PORT ELGIN, ONT.—Parliament has made a grant towards harbor improvements at this place, and it is expected that work on same will be commenced at an early date.

QUEBEC, QUE.—It is the intention of the Quebec District Railway, Light & Power Co. to build a new line to Montmorency Falls. Work will be commenced this spring.

RAT PORTAGE, ONT.—Ottawa capitalists are said to be considering the erection of a large pulp mill in this vicinity. John Mather is the leading promoter of the scheme.

CORNWALL, ONT.—The town authorities are preparing to improve the streets. About \$35,000 will be spent this season, under the supervision of Mr. T. H. Wiggins, town engineer.

HALIFAX, N. S.—F. W. W. Doane, city engineer, wants tenders by the 16th inst. for the annual supply of drain pipe, special castings, bricks, cement, sand, gravel and hardware.

WOODSTOCK, ONT.—Tenders are invited by Powell & Ure, architects, up to March 15th, for the erection of a new edifice for the congregation of the Norwich avenue Methodist church.

LIVERPOOL, N. S.—Tenders close on the 20th inst. for the supply of 400 tons of cast iron water pipe and specials. Particulars from D. C. Mulhall, chairman Light and Water Committee.

TORONTO JUNCTION, ONT.—C. F. Wagner, architect, is preparing plans for a two storey factory for the Matthews Bros. & Company, to occupy the site of the old wire mattress factory.

PERTH, ONT.—About \$1,500 has been subscribed towards the proposed skating rink, which will be 150 x 60 feet, and will cost \$3,000.—Brick dwellings will be erected by J. M. Rogers and Robt. Scott.

LONDON, ONT.—Contracts are about to be awarded for the refrigerator machinery for the cold storage building. —It is rumored that T. H. Duncombe, of St. Thomas, intends erecting a theatre in this city.

HINTONBURG, ONT.—Mr. Keefer, C. E., has submitted plans of the proposed waterworks system, showing the site of the pump house, intake and main supply pipe. At an early date tenders for construction will be invited.

FREDERICTON, N. B.—William Minue, architect, is preparing plans for alterations and improvements to Mr. Pitt's building, which is to be occupied by the Bank of Nova Scotia. A plate glass front will be put in, and the whole structure modernized.

GUELPH, ONT.—William Frye Colwill, architect, is preparing plans for the erection of a dwelling for Dr. Dryden, of this city.—A deputation from this city has requested the Ontario government to provide increased accommodation at the Agricultural college.

LINDSAY, ONT.—A syndicate, represented by J. A. Culverwell, of Toronto, has secured control of the Burleigh Falls water power. The purpose is to develop it and to transmit one-half of the power to Lindsay, 30 miles distant, and the balance to Peterboro'.

BRANTFORD, ONT.—The Manufacturers' Life Insurance Company has still under consideration the question of erecting a new building in this city.—There is a great scarcity of dwelling houses, and it is expected that building operations will be unusually brisk this season.

SOUTHAMPTON, ONT.—The Southampton Manufacturing Company intends building an addition to factory, three stories and basement, 170 x 50 feet, with

wing 75 x 50 feet, engine and boiler house and dry kiln. The contract for brick work has been let to Henry Prast.

SPRINGHILL, N. S.—The Edison Electric Light & Power Company (J. E. Simpson, president) invite proposals up to March 31st for the development of a water power and supply of generators, switchboard, equipment, transmission line, wiring, hydraulic machinery, construction of power house, etc.

CRANBROOK, B. C.—The Fort Steele Mercantile Co. will build a bonded warehouse here, and it is said that the Hudsons Bay Co. has in view the erection of a store. It is also probable that a new Catholic church will be built.—The Cranbrook Lumber Co. will in all probability construct another saw mill.

VANCOUVER, B. C.—Mr. MacIntosh purposes building a new hotel.—It is the intention of the British Columbia Electric Railway & Light Co. to commence at once the construction of a new car barn. As soon as this is completed, the present barn will be torn down and a large power house built on the site thereof.—The city purposes macadamizing and boulevarding Nicola street, at a cost of \$15,000.

SMITH'S FALLS, ONT.—Williams & VanLoven have taken tenders for building a brick store.—N. Gardner desires tenders by the 11th inst. for building a brick block on Main street. Plans at office of Geo. Steele.—The Ontario legislature has declined to give the council power, without a vote of the ratepayers, to issue debentures to the amount of \$50,000 for the construction of permanent street improvements. Authority has been granted to issue debentures for the construction of a new High school.

ANNAPOLIS, N. S.—A bill to incorporate the Nova Scotia Electric Light & Heat Co. is now before the provincial legislature. If a charter is obtained, it is proposed to light the whole Annapolis valley from a power station to be situated on the Gasperreau river. The capital, about \$400,000, will be provided by Montreals.—The town council will ask the legislature for power to borrow \$10,000 for the erection of a new academy and school building.—Wm. Ramsay will establish a 50 h.p. steam rotary saw mill at Eight Mile brook.

ST. JOHN, N. B.—Plans of the proposed pulp mill to be built by the Cushing Sulphite Fibre Co. are now being prepared, and the erection of the mill will be proceeded with immediately. Geo. S. Cushing is managing director.—D. Pottinger, general manager Intercolonial Railway, invites tenders up to Saturday, 25th inst., for the erection of a grain elevator and a freight warehouse.—The Cushing Sulphite Fibre Company desire tenders by March 10th for the supply of from one to two million red brick, delivered at Fairville.

NIAGARA FALLS, ONT.—The thirteenth annual report of the Niagara Falls Park Commissioners has been presented to the Ontario legislature. The commissioners recommend that authority be granted to issue \$25,000 of debentures to provide for the following works: Widening the river road at the Clifton House, \$5,000; construction of permanent roadway to Cedar Island, \$10,000; permanent pathways in Niagara Glen, \$2,000; improvements and additional pathways at Queenston Heights park, \$3,000; permanent works in Niagara Falls park, \$5,000.

KINGSTON, ONT.—A large petition has been forwarded to the Minister of Public Works at Ottawa, asking for the construction of a breakwater in the harbor.—It is stated that New York parties are negotiating for the construction of the Kingston, Smith's Falls and Ottawa Railway.—There is a proposition on foot to secure the residence of the Archbishop of Ontario on King street west, and convert it into a hotel.—The furniture establishment of T.

F. Harrison & Co. was demolished by a windstorm on Sunday last; loss \$10,000.—The residents on Howe Island are moving in the direction of securing the construction of a bridge, and have offered to contribute \$10,000 towards the project. An Ontario government engineer has estimated the cost at \$50,000. The distance from shore to shore is about 1,300 feet.

HAMILTON, ONT.—A. L. Pentecost has purchased the property at the northwest corner of York and Macnab streets. It is said that he purposes building a departmental store thereon.—Mr. Patterson, architect, has prepared plans for the changing of the old stone building at the corner of James and Hunter streets into a block of stores and a music hall.—The executive committee of the Y.M.C.A. have decided to thoroughly renovate the rooms during the coming summer. New furniture will be purchased.—The Harbor Committee has suggested that the council send a deputation to Ottawa to urge upon the government the necessity of making improvements to the harbor.

WINNIPEG, MAN.—An architect is preparing an estimate of the cost of rebuilding the Manitoba hotel.—The McClary Manufacturing Company, of London, Ont., have acquired property just east of the Tribune office, and will erect thereon a four-storey and basement brick warehouse, 47 x 135 feet.—The council is in favor of the city engaging in the business of providing electric power and lighting for commercial as well as municipal purposes.—The city engineer has been instructed to invite tenders up to April 5th for the supply of 330 tons of asphalt.—The construction of a number of pavements and sewers has been recommended by the Board of Works. The building of the city morgue and improvements to the police station are under consideration.

VICTORIA, B.C.—The provincial supplementary estimates were presented to the House last week, and include the following: Asylum for Insane, \$18,000; Rossland court house, \$9,000; Nelson court house, \$5,000; New Westminster court house, construction and furniture, \$30,000; alterations to Victoria court house, \$12,000; Land Registry office, Victoria, \$10,000; lock-up at Cascade, \$250; lock-up at Cranbrook, \$1,000; recorder's office and lock-up at Stikine river and Lake Bennett, \$8,000; public schools at Fairview, Nelson, Revelstoke, North Bend, Lillooet, Ashcroft, Wardner, Trout Lake, Golden, Alert Bay, Cascade City, Cranbrook, Fernie, Harrison, Ho Springs, Nelson (East End), Peachland, Slovan City, Silverton, Wellington, Grand Forks, Elk Lake, Greenwood City, Campbell Creek, Sandon, Columbia, New Denver, and elsewhere, \$35,000; protection works at Quesnelle Forks, \$2,000, and at Revelstoke, \$40,000; to complete and finish the parliament buildings, \$20,000; roads, streets and bridges in Atlin and Lake Bennett sections, \$5,000; South Vancouver trunk road, \$10,000.

OTTAWA, ONT.—A meeting of the county council will be held on the 18th instant, when the question of preventing a recurrence of the Rideau floods will be considered.—A. E. Provost, of the Separate School Board, will receive tenders up to the 10th inst. for building a school house for the French section. Plans at office of P. Latour, 304 Sparks street.—Tenders close on the 9th inst. for the completion of the church of the Sacred Heart.—Plans are being prepared for a cold storage building, 50 x 60 feet, two storeys and basement, to be built by John Ferguson.—It is probable that the contract will be awarded this week for the erection of the new scientific and museum building in connection with the University, which will cost about \$40,000.—The Ottawa Suburban Electric Company, of

which George E. Kidd is solicitor, will seek a charter from the Dominion government at the coming session. The proposed road will extend to Skead's Mills and Windermere.—John Galt, city engineer, wants tenders by 14th inst. for supply of cast iron pipe, castings, valves, hydrants, brass work, fire alarm supplies, lead pipe, hardware and oils.—T. L. Wilson, of St. Catharines, proposes establishing a calcium carbide factory here.—The Cobourg, Northumberland and Pacific Railway Co. is applying to parliament for an extension of time in which to commence their undertaking.—Building permits have been granted as follows: Alice Bethune, dwelling on Hickey street, cost \$1,800; Alfred Ouillete, frame dwelling on Victoria street, cost \$1,000; Dr. Routhier, two dwellings and office, Daly ave., cost \$4,000; J. M. Cromwell, row of dwellings on Lisgar street, cost \$2,000.

MONTREAL, QUE.—Plans have been completed for the new car sheds on Upper St. Denis street for the Montreal Street Railway Company, to be 250 x 100 feet, of corrugated iron, with steel frame.—The National Lacrosse Club have decided to secure new grounds, which will be fitted up in first-class shape and a grand stand erected.—The proposition to remodel the Board of Trade building is again being discussed, and it is believed that the Committee of Management will take some steps in this direction at an early date.—Mr. Janin, acting superintendent of waterworks, has presented to the council a statement of the appropriations required for needed permanent works during the year. These include the following: New meters, \$1,056; new mains to supply services, \$616; connecting mains, \$6,500; laying of new private services, \$19,889; to rebuild the division wall of the McTavish reservoir, and to concrete both reservoirs, \$81,279; to increase working capacity of machinery and boilers, \$62,000; changing motive power from vapor to electricity, \$15,000; rebuilding of boom, \$3,000; changing the course of ditches, \$9,000.—Perrault & Mann, architects, have submitted to the Health Committee a proposition to prepare plans for the proposed city hospital.—Sketch plans have been prepared of the market building which it is proposed to erect on the Champ de Mars, and which will be 720 feet in length.—It is intended to asphalt the entire market.

TORONTO, ONT.—Mr. E. J. Lennox, architect, has prepared plans for a 5 storey block to be built at the corner of Queen and Terauley streets by Mr. Alexander Manning, to be of pressed brick and cut stone, with entrances off Queen and Terauley streets, the corner to be fitted up as a bank and the remainder of the building as stores and offices. Mr. Lennox is also preparing plans for the reconstruction of McConkey's restaurant on King street. The building immediately to the west has been secured, and will be fitted up as a first-class restaurant, with private supper rooms, ball rooms, etc., on upper floors. The main floor will be converted into a large palm garden, divided into apartments for private parties, the interior fittings to be finished in staff and mahogany.—It is stated that a new theatre will be built on the site of the old Bijou theatre on Yonge street, and that building operations will commence at an early date.—Mr. C. J. Beacham, manager-director of the Arlington Hotel Company, has submitted a proposition for the purchase of the old Upper Canada College property. It is believed that Mr. Beacham is representing a syndicate of capitalists who have a scheme for improving the street in that locality.—Mr. D. B. Dick, architect, has been commissioned to make alterations in the premises at 17 and 19 Toronto street for the Consumers' Gas Company. The partition wall between

the two buildings will be removed and a stone front put in. An elevator will also be added.—Messrs. Bond & Smith, architects, have prepared plans for the remodelling of the Union Bank on Wellington street. The premises are to be brought forward to the street line and a new front put in.—An extensive addition will be made to the factory of Christie, Brown & Co., at a cost of \$20,000, some of the contracts being already let. The old building is to be raised two storeys.—The Board of Management of the Working Boys' Home have decided to remove to new quarters. An effort will be made to secure a new site and erect thereon a more adequate building, at a cost of \$20,000.—The trustees of Knox church now have a bill before the Ontario legislature giving them power to sell the site of the present church and erect a new building in another part of the city.—The Metropolitan Railway Company have decided to erect another power house at York Mills, plans for which will be prepared by Messrs. Gordon & Helliwell, architects.—The Board of Control has endorsed the recommendation of the architect that an electric light plant be purchased for the new municipal buildings.—A deputation from the National Sanitarium Association have asked the city to buy a lot at the northeast corner of High Park and give it to the association for the purpose of erecting thereon a consumptive sanitarium.—A bill is now before the legislature to incorporate the Nickel Range Railway Company, with power to build a railway from a point between White Fish and McNaughton Station to a point near Chelmsford. C. F. Farwell, M.P.P., has charge of the bill.—Building permits have been granted as follows: R. C. Vaughan, two-storey and attic brick dwelling, 124 Madison ave., cost \$4,000; Edwin S. Reade, two-storey and attic brick dwelling, 126 Madison ave., cost \$4,000; M. R. Gash, two-storey and attic brick dwelling, 85 Spadina ave., cost \$4,000; R. M. Ogilvie, two-storey and attic brick dwelling, corner Dupont street and Madison ave., cost \$4,000; Richard Wickens, alterations to 362-46 Ontario street, cost \$2,850; McIntosh Granite & Marble Co., workshops, 1119 and 1121 Yonge street, cost \$2,000; Henry Cawthra Estate, one-storey brick addition to rear of 123 125 Yonge street, cost \$3,000.—Messrs. Edwards & Wagner, architects, 18 Toronto street, want tenders for building a large cottage in Muskoka and for alterations to a store in this city.—Messrs. Bond & Smith, architects, have been commissioned to prepare plans for a six-storey building to be erected by a syndicate on Terauley street, opposite the new city hall. The building will be constructed chiefly of iron and pressed brick, and will contain a large Turkish bath, restaurant, banking rooms, and some two hundred offices. It will be equipped with an electric light plant and private telephone system, and will cost about \$150,000.—A committee of the Public School Board has recommended the erection of an addition to Morse street school, cost \$7,000; addition to Dovercourt school, cost \$6,500; addition to Perth avenue school, cost \$11,000, and a new school on Bolton ave., cost \$14,000.

FIRES.

H. H. Shaver's saw mill at Shaverton, near Tilbury, Ont.; loss \$5,000, insurance \$3,000.—The Windsor Hotel, Jeffrey's harness shop and J. Jenck's & Co.'s store at Mattawa, Ont., totally destroyed; small insurance.—Building at Shawville, Que., occupied by E. Holstein.—Large greenhouses and stables of George Syme, near Toronto Junction.—Residence on Sherwood avenue, Eglinton, owned by James Dean, of Toronto; loss \$1,800.—Saw mill at Hawkshaw, York county, N. B., owned by F. P. Thompson and R. A. Estey; insurance \$4,000.

CONTRACTS AWARDED.

KINGSTON, ONT.—Davis & Sons have secured the contract to build a steam launch for W. J. Poupore.

HAMILTON, ONT.—The contract for cement for the city has been given to the Owen Sound Portland Cement Company.

TORONTO, ONT.—The Board of Control will recommend that the contract for sewer pipe be awarded to the Ontario Sewer Pipe Co.

ELORA, ONT.—Mr. Lucket, of Pilkington, has awarded to Wm. Stafford the contract for building a dwelling house, to cost \$1,400.

THREE RIVERS, QUE.—Council have awarded to A. Rousseau & Co., of Montreal, a contract for the new section pipe for the waterworks.

SHERBROOKE, QUE.—The council have accepted the tender of the Sherbrooke Gas & Power Company for lighting the streets by electricity.

FREDERICTON, N.B.—Tabor & O'Neill, of this city, has secured the contract for window and door frames for the shoe factory; price about \$1,100.

KIPPEN, ONT.—Contracts for a new Methodist church have been let as follows: Brickwork, Mr. Cudmore; carpenter work, Robt. Patterson; painting, John Sacey, all of Hensall.

OTTAWA, ONT.—Contracts for alterations to the city hall have been let as follows: Plumbing, Knox Bros., \$575; painting, Geo. Howe, \$349; carpenter work, W. H. McGillivray, \$109.

ROSSLAND, B.C.—The Columbia Telephone-Telegraph Company have let the contract to W. B. Dovey and Mr. Donald, of this place, for the construction of a telephone and telegraph line from Trail to Camp McKinney.

CHARLOTTETOWN, P. E. I.—The contract for building the new wing to St. Dunstan's College has been let to Duffy & Cocheran, at the price of \$13,790, exclusive of plumbing and sewerage work. Seven tenders were submitted.

ONTARIO LAND SURVEYORS IN SESSION.

The seventh annual meeting of the Association of Ontario Land Surveyors opened at the Parliament buildings, Toronto, on Tuesday, Feb. 28th. The following members were in attendance:

P. S. Gibson, president, Willowdale; H. J. Bowman, vice-president, Berlin; Villiers Sankey, chairman of council, Toronto; A. J. Van Nostrand, secretary-treasurer, Toronto; Killaly Gamble, Lewis Belton, J. F. Whitson, G. B. Kirkpatrick, L. B. Stewart, W. A. McLean, C. J. Murphy, A. P. Walker, A. T. Ward and Prof. Galbraith, Toronto; Henry DeQ. Sewell, Rat Portage; Fred. L. Foster,

Mine Centie; John E. Evans, Trenton; J. W. Tyrrell, Hamilton; Jas. Dickson, Fenelon Falls; John Davis, Alton; Hugh McGrandle, Huntsville; A. Niven, Haliburton; J. L. Morris, Pembroke; J. Hutcheon, Guelph; T. H. Wiggins, Cornwall; J. A. Paterson and W. B. Ford, Hamilton; Angus Smith, Ridgetown; A. J. McPherson, Galt; John Roger, Mitchell; T. H. Jones, Brantford; Geo. Ross, Welland; H. H. Gibson and W. S. Gibson, Willowdale.

The morning session was devoted to meetings of the council and of the standing and special committees. In the afternoon the secretary-treasurer, Major Villiers Sankey, read his report, which showed the receipts of the past year to be \$3,057 16, and the expenditures \$1,392 71, leaving a balance of \$1,664 45. Mr.

Killaly Gamble presented the report of the Committee on Publication.

The address of the president, Mr. P. S. Gibson, dealt with the qualifications which were necessary for an Ontario land surveyor at the present day, and showed how the number of subjects for study have increased during his 40 years experience in surveying. Reports of committees on Polar Research and on Exploration were presented.

Reassembling at 10 o'clock on Wednesday, Mr. Willis Chipman presented the report of the Committee on Engineering, Mr. A. Niven that of the Committee on Land Surveying, and Mr. Otto J. Klotz that of the Committee on Topographical Surveying. In the evening the annual

(Continued on page 6).

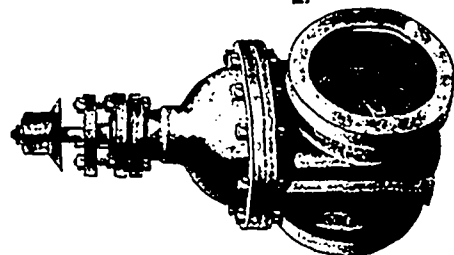
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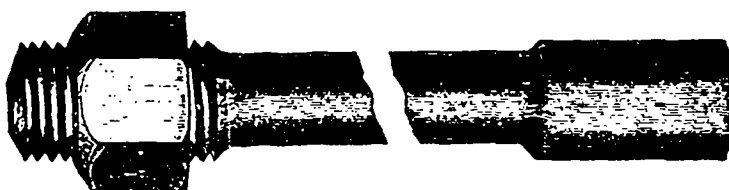


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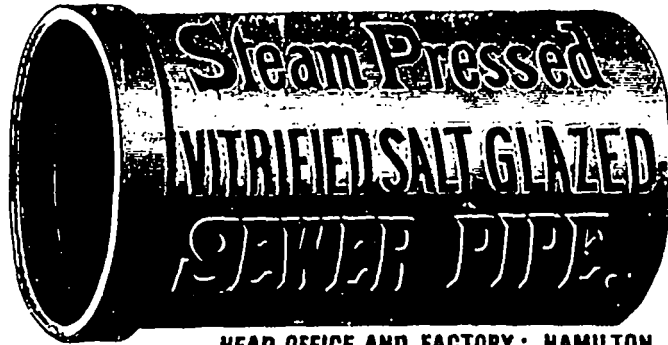
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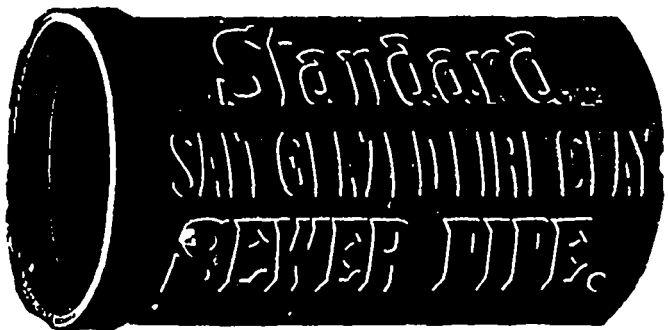
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ONTARIO LAND SURVEYORS IN SESSION.
(Continued from page 4.)

dinner of the association was held at McConkey's Restaurant.

On Thursday the proposed legislation re civil engineers was discussed, and a committee appointed to meet representatives of the Society of Civil Engineers in a conference with reference to the provisions of the bill now before the legislature. Other matters of importance were discussed, after which officers were elected as follows: President, H. J. Bowman, Berlin; vice president, F. L. Foster, Mine Centre; secretary-treasurer, A. J. Van Nostrand, Toronto.

A. W. Campbell and H. L. Esten were appointed as auditors, and J. F. Whitson and K. Gamble as scrutineers. The secretary-treasurer was voted the sum of \$200 for his services, and after the usual votes of thanks the convention adjourned.

The papers presented at the meeting were as follows: "Permanent Way," by W. E. McMullen, St. John, N. B.; "Progress of Gold Mining in the Central Belt of the Rainy River District," by H. W. Selby, Dinorwic; "Surveying the Mining Lands of Ontario," by F. L. Forster, Mine Centre; "Dominion Land Surveys," by C. F. Aylesworth, jr., Madoc; "More Reminiscences of an Old Land Surveyor," by C. Unwin, Toronto; "Some Incidental Benefits from the Growth of Forests," by Thomas Southworth, Toronto; "Azimuths," by L. B. Stewart, Toronto; "Explorations," by J. Dickson, Fenelon Falls; "Highway Culverts and Bridges," by A. W. Campbell, Toronto; "The Calculation of Strains in Bridge Trusses," by J. Warren, Walkerton; "Railway Location Work," by J. D. Evans, Toronto; "Our Professional Standing," by B. J. Saunders, Fort William; "Survey of the Boundary Line between Mississauga and the Algoma Districts," by A. Niven, Haliburton; "A Trip to the Yukon and Return," by L. Bolton, Listowel; "The Registry Act," by P. S. Gibson, Willowdale; "Open Questions," by H. J. Bowman, Berlin; "Drains of Field Tile," by W. F. Van Buskirk, Stratford; "The Lake Wawanosh Drainage Scheme," by John H. Jones, Sarnia; "The Payne River Drainage Scheme," by T. H. Wiggins, Cornwall.

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

JOHNSON VS. TOWN OF PETROLEA.
—By the original judgment, which was sustained by the Court of Appeal, and which is now confirmed by the Supreme Court, an injunction was granted, restraining the town of Petrolea from polluting Bear creek with refinery refuse, sewage, salt water, and other noxious matters, and awarding the plaintiff damages. The Supreme Court upheld the original judgment, and the plaintiff retains his injunction and damages, and the costs at every stage of the action.

The Imperial Oil Company, of Petrolea, were defendants in the original action, but Mr. Justice Meredith dismissed the action as against them, with costs, and his judgment was, so far as the Imperial Oil Company were concerned, confirmed by the Court of Appeal. Mr. Johnson entered a cross appeal in the Supreme Court of Canada against the judgment in favor of the Imperial Oil Company. His appeal has been allowed by the Supreme Court with costs, and the original judgment is to be varied accordingly.

The plaintiff in this action represents a syndicate of farmers living along Bear creek in Moore and Enniskillen townships, whose lands and crops have been damaged and whose water supply has been rendered useless by the noxious matter thrown into the stream at Petrolea. The litigation has been very prolonged, and every device known to the law has been adopted by the defendants in order to outwit the plaintiff, but the farmers retain their judgment with costs.



ONTARIO WATER WORKS SYSTEMS.

The following tabular history of water works systems of towns and cities in Ontario of less than 20,000 of a population is compiled by Mr. Willis Chipman, C. E., of Toronto, and is found in the Canadian Engineer for January. The reader will observe that in the great majority of cases the municipalities built their own water works. At the present time only eight are operated by private companies, and of these the city of Belleville and the town of Waterloo are negotiating with the companies for the purchase of the plants. In the case of Petrolea, where the works were constructed in 1896 and 1897, it was thought that the town could ill afford to spend \$172,000 on a water works system, and many predicted that the works would not only be a failure financially but that they would not be a success mechanically. The supply is derived from Lake Huron, a distance of twelve miles in a straight line from the town hall. The water is pumped over a rise of 150 feet above the lake to a water tower in the town, whose base is 87 feet above the lake level. The water works are managed by commissioners.

WATER WORKS BUILT BY MUNICIPALITIES.

| | Pop. | Date. | Cost. |
|-------------------|--------|-------|----------|
| Alexandria..... | 1,700 | 1895 | \$23,000 |
| Amherstburg... .. | 2,300 | 1891 | 25,000 |
| Aylmer..... | 2,200 | 1891 | 17,000 |
| Alliston..... | 1,400 | 1892 | |
| Beamsville..... | 900 | 1895 | 14,000 |
| Beeton..... | 800 | 1892 | 20,000 |
| Bracebridge..... | 1,400 | 1894 | 20,000 |
| Brampton..... | 2,500 | 1882 | 65,000 |
| Brantford..... | 17,000 | 1888 | 230,000 |

(Small works, built by a private company for fire protection were purchased by the city in 1888.)

| | | | |
|--------------------|-------|------|----------|
| Campbellford..... | 2,500 | 1890 | \$19,000 |
| Collingwood..... | 5,000 | 1890 | 79,000 |
| Deseronto..... | 3,500 | 1896 | 35,000 |
| Dunnville..... | 1,800 | 1891 | 5,000 |
| Essex..... | 1,700 | 1891 | 31,000 |
| Fort William..... | 3,000 | 1893 | 36,000 |
| Galt..... | 7,000 | 1891 | 157,000 |
| Gananoque..... | 3,000 | 1892 | 20,000 |
| Goderich..... | 4,000 | 1885 | 68,000 |
| Georgetown..... | 1,500 | 1891 | 40,000 |
| Huntsville..... | 1,200 | 1897 | 20,000 |
| Kingsville..... | 1,400 | 1894 | |
| Leamington..... | 1,900 | 1891 | 16,000 |
| Markham..... | 1,100 | 1891 | 10,000 |
| Meaford..... | 2,000 | 1892 | 22,000 |
| Merriton..... | 2,000 | 1888 | 78,000 |
| Milton..... | 1,500 | 1888 | 20,000 |
| Morrisburg..... | 2,000 | 1887 | 26,000 |
| Mt. Forest..... | | 1893 | 25,000 |
| Newmarket..... | 2,200 | 1886 | 20,000 |
| Niagara Falls..... | 4,000 | 1890 | 77,000 |

(The original works, built by a company, were purchased by the town in the year given, and the works rebuilt and extended.)

| | | | |
|----------------------|--------|-------|----------|
| Niagara-on-Lake..... | 12,500 | | \$35,000 |
| North Bay..... | 2,000 | 1892 | 38,000 |
| North Toronto..... | 3,000 | 1892 | 40,000 |
| Orangeville..... | 4,000 | 1895 | 50,000 |

(Small works built originally for fire protection on main streets. Rebuilt and enlarged in year given.)

| | | | |
|-----------------|-------|------|-----------|
| Orillia..... | 5,000 | 1892 | |
| Owen Sound..... | 7,000 | 1890 | \$125,000 |

(The original works, built and owned by a company, were purchased by the town in the year given, and the works rebuilt and extended.)

| | | | |
|----------------------|-------|--------|----------|
| Paris..... | 3,500 | 1884 | \$40,000 |
| Parry Sound..... | 2,000 | 1892 | 35,000 |
| Penetanguishene..... | 2,200 | 1891 | 30,000 |
| Pembroke..... | 4,500 | 1893 | 56,000 |
| Petrolea..... | 6,000 | 1896-7 | 170,000 |
| Picton..... | 3,300 | 1889 | 33,000 |
| Port Colborne..... | 1,500 | 1898 | 16,000 |
| Port Hope..... | 6,000 | 1895 | 50,000 |

(Small works built originally for fire protection on main streets. Rebuilt and enlarged in the year given.)

| | | | |
|------------------|--------|------|----------|
| Renfrew..... | 3,000 | 1897 | \$52,000 |
| Sandwich..... | 1,500 | 1891 | 19,000 |
| Shelburne..... | 1,200 | 1890 | 13,000 |
| Stouffville..... | 1,400 | 1897 | 22,000 |
| St Thomas..... | 11,000 | 1891 | 150,000 |

(The original works, built and owned by a company, were purchased by the town in the year given, and the works rebuilt and extended.)

| | | | |
|-----------------------|-------|------|----------|
| Sudbury..... | 1,400 | 1896 | |
| Tilbury Centre..... | 800 | 1888 | \$16,000 |
| Toronto Junction..... | 5,000 | 1889 | 180,000 |
| Welland..... | 2,500 | 1888 | 32,000 |
| Warton..... | 2,000 | 1889 | 30,000 |
| Woodstock..... | 9,000 | 1892 | 150,000 |

(The original works, constructed for fire protection, were rebuilt by the town in 1892.)

WATER WORKS BUILT BY PRIVATE COMPANIES AND ACQUIRED BY THE MUNICIPALITIES.

| | Pop. | Date. | Town purchased in |
|--------------------|--------|-------|---------------------------------------|
| Barrie..... | 6,000 | 1891 | 1898 for \$78,000. |
| Berlin..... | 8,000 | 1888 | Town purchased in 1893 for \$102,000. |
| Brantford..... | 17,000 | 1870 | Purchased by the city for \$63,000. |
| Brockville..... | 9,000 | 1884 | Town purchased in 1882 for \$129,000. |
| Chatham..... | 9,000 | 1891 | Town purchased in 1895. |
| Cornwall..... | 7,000 | 1886 | Town purchased in 1887 for \$36,000. |
| Kincardine..... | 2,600 | 1890 | Town purchased in 1894 for \$45,000. |
| Niagara Falls..... | 4,000 | 1884 | Purchased by town for \$17,000. |
| Owen Sound..... | 7,000 | 1880 | Purchased by the town for \$35,000. |

WATER WORKS BUILT BY COMPANIES BUT NOT YET ACQUIRED.

| | Pop. | Date. | |
|-----------------|--------|-------|-----------------------------------|
| Belleville..... | 10,000 | 1888 | City now negotiating to purchase. |
| Cobourg..... | 5,000 | 1888 | |
| Iroquois..... | 1,500 | 1886 | |
| Ingersoll..... | 4,000 | 1891 | |
| Lindsay..... | 6,500 | 1892 | |
| Napanee..... | 4,000 | 1888 | |
| Perth..... | 3,500 | 1897 | |
| Waterloo..... | 3,000 | 1889 | |

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| | | | |
|--|-------|-------|-------|
| Milled boards and scantling 9 00 | 10 00 | 10 00 | 12 00 |
| Shipping cull boards, promiscuous widths..... 12 00 | 13 00 | | 13 00 |
| Shipping cull boards, stocks up to 16 ft..... 10 00 | 12 00 | | 10 00 |
| Hemlock scantling and joist up to 18 ft..... 11 00 | 12 00 | 12 00 | 13 00 |
| Hemlock scantling and joist up to 20 ft..... 12 00 | 13 00 | 13 00 | 14 00 |
| Cedar for paving, per cord..... 5 00 | | 5 00 | |
| Cedar for kerbing, 4 x 14, per M..... 14 00 | | 14 00 | |
| Scantling and joist, up to 16 ft 14 00 | | 14 00 | |
| " " " 18 ft 15 00 | | 16 00 | |
| " " " 20 ft 16 00 | | 16 00 | |
| Scantling and joist, up to 22 ft 17 00 | | 17 00 | |
| " " " 24 ft 19 00 | | 19 00 | |
| " " " 26 ft 20 00 | | 21 00 | |
| " " " 28 ft 22 00 | | 23 00 | |
| " " " 30 ft 24 00 | | 25 00 | |
| " " " 32 ft 27 00 | | 27 00 | |
| " " " 34 ft 29 50 | | 29 50 | |
| " " " 36 ft 31 00 | | 31 00 | |
| " " " 38 ft 33 00 | | 33 00 | |
| " " " 44 ft 34 00 | | 36 00 | |
| Cutting up planks, 1 1/2 and thicker, dry..... 25 00 | 28 00 | 25 00 | 30 00 |
| B. M. | | | |
| 1 1/2 in. flooring, dressed, F. M. 34 00 | 36 00 | 28 00 | 37 00 |
| 1 1/2 inch flooring, rough, B. M. 18 00 | 22 00 | 18 00 | 22 00 |
| 1 1/2 " " dressed, F. M. 25 00 | 26 00 | 27 00 | 30 00 |
| 1 1/2 " " undressed, B. M. 18 00 | 19 00 | 18 00 | 19 00 |
| 1 " " dressed..... 18 00 | 20 00 | 18 00 | 22 00 |
| 1 " " undressed..... 12 00 | 15 00 | 12 00 | 15 00 |
| Beaded sheeting, dressed..... 20 00 | 35 00 | 22 00 | 35 00 |
| Clapboarding, dressed..... 14 00 | 8 00 | 12 00 | |
| XXX sawn shingles, per M 16 in..... 2 40 | 2 35 | | 3 00 |
| XX sawn shingles..... 1 60 | 1 50 | | |
| Sawn lath, No. 1..... 1 75 | 2 00 | 2 50 | 2 6 |
| Cedar..... 2 90 | | | 2 9 |
| Red oak..... 30 00 | 40 00 | 30 00 | 40 0 |
| White..... 37 00 | 45 00 | 35 00 | 55 0 |
| Basswood, No. 1 and 2..... 28 00 | 30 00 | 18 00 | 20 0 |
| Cherry, No. 1 and 2..... 70 00 | 90 00 | 70 00 | 80 0 |
| White ash, No. 1 and 2..... 24 00 | 35 00 | 30 00 | 35 0 |

(Continued on Page 8.)

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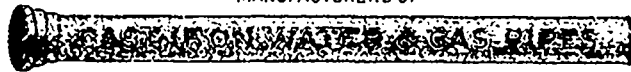
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(Continued.)

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In the "Canadian Architect and Builder."

Toronto. Montreal.

LUMBER.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes items like Black Ash, Dressing stocks, Picks, American inspection, Three uppers, Am. inspection.

BRICK—M

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Common Walling, Good Facing, Sewer.

PRESSED BRICK, PER M.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Red No. 1 f.o.b. Milton, Buff No. 1 f.o.b. Milton, Sewer, Hard Lumber.

P. O. B. DON VALLEY.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Red A, Red B, Red C, Trojan and Corinthian, Pompeian, Athenian and Egyptian, Tyrian, Sicilian, Roman, Carthaginian, Ornamental, Common insides, Hard sewers, Vitrified pavers.

P. O. B. BEAMSVILLE.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Peerles Facing, Red No. 1, 2, 3, Buff, Brown, Roman Red, Sewer, Roof Tiles, Hip Tile, Ridge Tile.

SAND.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Per Load of 1 1/2 Cubic Yards.

STONE.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Common Rubble, Large flat Rubble, Foundation Blocks, Ballochmyle, New York Blue Stone, Granite (Stanstead) Ashlar, Most Freestone, St. Oldhelm, Bath Freestone, Black Pasture, Thomson's Gatelawbridge, Clark's N. B. Brown Stone, Brown Free Stone, Amherst Red Sandstone, Elgin Town Quarries, Madoc Rubble, Madoc dimension floating, Scorice Paving Blocks, Masillon.

OHIO FREESTONE.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes No. 1 Buff Promiscuous, No. 1 Blue Dimension, Sawed Ashlar, Sawed Flagging, Above prices cover cost freight and duty paid.

CREDIT VALLEY STONE.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Rubble, Brown Coursing, Brown Dimension, Grey Coursing, Grey Dimension.

LONGFORD STONE.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Rubble, Ashlar, Dimension, Kent Free Stone Quarries, River John, Quebec and Vermont rough granite.

Architects.

Table with 2 columns: Name and Address. Includes Ontario Directory, Quebec Directory, Architectural Sculptors and Carvers, Holbrook & Mollington.

Architectural Iron Work.

Table with 2 columns: Name and Address. Includes Dominion Bridge Co.

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Table with 2 columns: Name and Address. Includes Southampton Mfg. Co.

Artists' Materials.

Table with 2 columns: Name and Address. Includes The Art Metrope.

Builders' Supplies.

Table with 2 columns: Name and Address. Includes Bremner, Alex., Currie & Co., H..rcules Culvert Co., Montreal Directory, Ontario Lime Association, Rice Lewis & Son, Toronto Directory, The Hardwood Lumber Co.

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Table with 2 columns: Name and Address. Includes Amherst Red Stone Quarry Co., Brodie, James., Credit Forks Mining & Mfg. Co., Cleveland Stone Co., The Longford Quarry Co.

Builders' Hardware.

Table with 2 columns: Name and Address. Includes Malleable Iron Co., Rice Lewis & Son, Contractors' Plant and Machinery, Church and School Furniture.

Cements.

Table with 2 columns: Name and Address. Includes Bremner, Alex., Currie & Co., Owen Sound Portland Cement Co., The Rathbun Co.

Cresote Stains.

Table with 2 columns: Name and Address. Includes Cabot, Samuel.

Drain Pipe.

Table with 2 columns: Name and Address. Includes Bremner, Alex., Currie & Co., Hamilton and Toronto Sewer Pipe Co.

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Table with 2 columns: Name and Address. Includes Fenson, John., Leitch & Turnbull, Miller Bros & Sons.

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Table with 2 columns: Name and Address. Includes Barrie & Co., Alex.

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Table with 2 columns: Name and Address. Includes Can. Photo-Eng. Bu.

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Table with 2 columns: Name and Address. Includes Bremner, Alex., Currie & Co.

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Table with 2 columns: Name and Address. Includes Springer, O. T.

Galvanized Iron Workers.

Table with 2 columns: Name and Address. Includes Ormsby & Co., A. B.

Grilles and Rattings.

Table with 2 columns: Name and Address. Includes Dennis Wire & Iron Co., Malleable Iron Co., Toronto Fence & Ornamental Iron Work, Southampton Mfg. Co.

Grants.

Table with 2 columns: Name and Address. Includes Brunet, Jos., Brodie, James.

Heating.

Table with 2 columns: Name and Address. Includes Boston Blower Co., Dominion Radiator Mfr. Co., General Engin. Co., Gurney, Tilden Co., Ormsby & Co., Wallberg, E. A.

Interior Decoration.

Table with 2 columns: Name and Address. Includes Elliott & Sen Company.

Lime.

Table with 2 columns: Name and Address. Includes Currie & Co., Ontario Lime Association.

Table with 2 columns: Description and Price. Includes For ornamental work, Granite paving blocks, Granite curbing stone, lineal foot.

SLATE.

Table with 2 columns: Description and Price. Includes Roofing (per square), Red, Purple, Untiding green, Black, Terra Cotta Tile, Ornamental Black Slate Roofing.

PAINTS. (In oil, per lb.)

Table with 2 columns: Description and Price. Includes White lead, Zinc, Red lead, Venetian, Vermillion, Indian, Yellow ochre, Yellow chrome, Green chrome, Paris, Black lamp, Blue, ultramarine, Oil, linseed, raw, by bbl., Imp. gal., Oil, linseed, refined, Impgal, Putty, Whiting, Paris white, Litharge, Sienna, barm., Turpentine.

CEMENT, LIME, etc.

Table with 2 columns: Description and Price. Includes Portland Cements (German, London, Newcastle, Josson's Brand, Dyckerhoff, North's Condor, English, artificial, Belgian, natural, Canadian, Roman, Parian, Superfine), Hydraulic Cements (Thorold, Queenston, Napanee, Hull).

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Table with 2 columns: Name and Address. Includes Luxfer Prism Co.

Legal.

Table with 2 columns: Name and Address. Includes Denton, Dods & Macdonnell, Quinn & Morrison.

Mantles, Grates, and Tiles.

Table with 2 columns: Name and Address. Includes Chat. Rogers & Sons Co., Holbrook & Mollington, Mosaic Marble & Enamel Co., Rice Lewis & Son.

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Table with 2 columns: Name and Address. Includes T.oe Cutler Mfg. Co.

Mortar Colors and Shingle Stains.

Table with 2 columns: Name and Address. Includes Cabot, Samuel, Mushhead, Andrew.

Ornamental Iron Work.

Table with 2 columns: Name and Address. Includes Dennis Wire & Iron Co., Malleable Iron Co., Toronto Fence & Ornamental Iron Works.

Painters.

Table with 2 columns: Name and Address. Includes Montreal Directory, Toronto Directory.

Plasterers.

Table with 2 columns: Name and Address. Includes Hynes, W. J.

Paints and Varnishes.

Table with 2 columns: Name and Address. Includes Muirhead, Andrew.

Parquet Floors.

Table with 2 columns: Name and Address. Includes Elliott & Sen Company.

Plate Glass.

Table with 2 columns: Name and Address. Includes Lyon, N. T., The Consolidated Plate Glass Co.

Plumbers.

Table with 2 columns: Name and Address. Includes Montreal Directory, Toronto Directory.

Resfectors.

Table with 2 columns: Name and Address. Includes Frink, I. P.

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Table with 2 columns: Name and Address. Includes Duval & Co.

Roofers.

Table with 2 columns: Name and Address. Includes Campbell & Gilday, Duthie & Sons, Forbes, Nicholson & Co., Ormsby & Co., Rennie & Son, Stewart & Co., Williams & Co.

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Table with 2 columns: Name and Address. Includes Ormsby & Co., Metallic Roofing Co.

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Table with 2 columns: Name and Address. Includes Horwood & Sons, Lyon, N. T., Mackey Stained Glass Co., McKenzie's Stained Glass Works, Reardon's Art Glass Works, The Robert McCausland Stained Glass Co., Wood & Co.

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Table with 2 columns: Name and Address. Includes Archb'd, Chas E.

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Table with 2 columns: Name and Address. Includes Boston Blower Co., Wallberg, E. A.

Wall Plaster.

Table with 2 columns: Name and Address. Includes Albert Mfg. Co.

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Table with 2 columns: Name and Address. Includes The B. Greening Wire Company.

Toronto. Montreal.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Ontario, Keene's Coarse Whites, Fire Bricks, Scotch, Lime, Per Barrel, Grey, Plaster, Calcined, N. B., Hair, Plasterers', per bag.

HARDWARE.

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

Table with 2 columns: Description and Price. Includes Cut nails, 5d & 6d, per keg, Steel "

CUT NAILS, FENCE AND CUT SPIKES.

Table with 2 columns: Description and Price. Includes 40d, hot cut, per 100 lbs, 20 to 12d, hot cut, 8d, 9d, 6d, 7d, 4d to 5d, 3d, Cut spike, 70 cents per keg advance, Steel Nails, etc. per keg extra, Wire nails, 250 base, etc.

Iron Pipe.

Table with 2 columns: Description and Price. Includes Iron pipe, 1/2 inch, per foot, 3/4 inch, 1 inch, 1 1/2 inch, 2 inch, 2 1/2 inch, 3 inch, Toronto, 65 per cent. discount, Montreal, 70 per cent. discount.

Lead Pipe.

Table with 2 columns: Description and Price. Includes Lead pipe, per lb., Waste pipe, per lb.

Galvanized Iron.

Table with 2 columns: Description and Price. Includes Adam's—Mar's Best and Queen's Head: 16 to 24 gauge, per lb., 20 gauge, 28, Gordon Crown—16 to 24 gauge, per lb., 20 gauge, 28, Note.—Cheaper grades about 1/2 c. per lb. less.

Structural Iron.

Table with 2 columns: Description and Price. Includes Steel Beam, per 100 lbs., channels, angles, tees, plates, Sheared steel bridge plate.