

Technical and Bibliographic Notes / Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of filming, are checked below.

L'Institut a microfilmé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de filmage sont indiqués ci-dessous.

- Coloured covers/
Couverture de couleur
- Covers damaged/
Couverture endommagée
- Covers restored and/or laminated/
Couverture restaurée et/ou pelliculée
- Cover title missing/
Le titre de couverture manque
- Coloured maps/
Cartes géographiques en couleur
- Coloured ink (i.e. other than blue or black)/
Encre de couleur (i.e. autre que bleue ou noire)
- Coloured plates and/or illustrations/
Planches et/ou illustrations en couleur
- Bound with other material/
Relié avec d'autres documents
- Tight binding may cause shadows or distortion
along interior margin/
La reliure serrée peut causer de l'ombre ou de la
distorsion le long de la marge intérieure
- Blank leaves added during restoration may appear
within the text. Whenever possible, these have
been omitted from filming/
Il se peut que certaines pages blanches ajoutées
lors d'une restauration apparaissent dans le texte,
mais, lorsque cela était possible, ces pages n'ont
pas été filmées.
- Additional comments:/
Commentaires supplémentaires:

- Coloured pages/
Pages de couleur
 - Pages damaged/
Pages endommagées
 - Pages restored and/or laminated/
Pages restaurées et/ou pelliculées
 - Pages discoloured, stained or foxed/
Pages décolorées, tachetées ou piquées
 - Pages detached/
Pages détachées
 - Showthrough/
Transparence
 - Quality of print varies/
Qualité inégale de l'impression
 - Continuous pagination/
Pagination continue
 - Includes index(es)/
Comprend un (des) index
- Title on header taken from: /
Le titre de l'en-tête provient:
- Title page of issue/
Page de titre de la livraison
 - Caption of issue/
Titre de départ de la livraison
 - Masthead/
Général (périodiques) de la livraison

This item is filmed at the reduction ratio checked below/
Ce document est filmé au taux de réduction indiqué ci-dessous.

10X	12X	14X	16X	18X	20X	22X	24X	26X	28X	30X	32X
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

11. 5. 2 p
2143
5-1, 48, 37-39, 27, 23, 6, 4,

CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF PUBLIC WORKS, TENDERS, ADVANCE INFORMATION AND MUNICIPAL PROGRESS

EVERY SATURDAY

Vol. 3. Toronto and Montreal, Canada, February 13, 1892. No. 1

THE CANADIAN CONTRACT RECORD,
A Weekly Journal of Public Works, Tenders, Advance Information and Municipal Progress.
PUBLISHED EVERY SATURDAY
As an Intermediate Edition of the "Canadian Architect and Builder."
Subscription price of "Canadian Architect and Builder" (including "Canadian Contract Record"), \$2 per annum, payable in advance.
C. H. MORTIMER, Publisher,
14 KING ST. WEST, TORONTO, CANADA.
Telephone 2362.
65 Temple Building, Montreal
Bell Telephone 2259.

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

ADVERTISING RATES ON APPLICATION.

At its Convention held in Toronto, Nov. 20 and 21, 1889, the Ontario Association of Architects signified its approval of the CANADIAN CONTRACT RECORD, and pledged its members to use this journal as their medium of communication with contractors with respect to advertisements for tenders.
The following resolution was unanimously adopted at the First Annual Meeting of the Province of Quebec Association of Architects, held in Montreal, Oct. 10th and 11th, 1890: "Moved by M. Perrault, seconded by A. F. Dunlop, that we the Architects of the Province of Quebec now assembled in Convention being satisfied that the CANADIAN CONTRACT RECORD affords us a direct communication with the Contractors,—Resolved, that we pledge our support to it by using its columns when calling for Tenders."

The publisher desires to ensure the regular and prompt delivery of this Journal to every subscriber, and requests that any cause of complaint in this particular be reported at once to the office of publication. Subscribers who may change their address should also give prompt notice of same, and in doing so, should give both old and new address.

VOL. III.

With the present number the CONTRACT RECORD enters upon the third year of its existence. Established as an intermediate edition of the CANADIAN ARCHITECT AND BUILDER, its value as a medium of special information for contractors and for advertisements for tenders has become widely recognized.

No effort will be spared to increase its value to both subscribers and advertisers. Some improvements and changes are introduced with the present number. An addition of more than twenty-five per cent. has been made to the size and contents of the paper. There has also been added a "Municipal Department," in which will be published information of special value to municipal officers, such

as points on municipal law, paving, sewerage, water supply, etc.

The CONTRACT RECORD reaches every week the Town and City Clerks, City Engineers, County Clerks and County Engineers throughout the Dominion. A number of municipalities have already made satisfactory trial of its merits as the best medium of communication with contractors for public works, and there is little doubt that eventually its advantages in this direction will be generally recognized, inasmuch as by its use a greater number of public contractors can be reached than by any other means, and at much less cost.

A limited amount of advertising space has been placed at the disposal of persons who may have anything to offer for sale for the use of municipalities. Only advertisements of this class, advertisements asking for tenders, and transient advertisements of situations wanted, situations vacant, construction materials for immediate sale, etc., will be admitted.

TO RENT,

Ground flat, 80 x 40, with or without power, steam heated, suitable for contractor.
93 NIAGARA STREET

TENDERS FOR ARC LAMPS.

Sealed tenders, addressed to the undersigned, will be received by registered mail up to 4 o'clock p. m. on WEDNESDAY, FEBRUARY 17th, 1892, for supplying the Corporation of the Town of Toronto Junction with any number required of double-carbon, all-night arc lamps (strength of current, 6 amperes), to be delivered in such numbers and at such times as required by the Council. The tenders to state the price per lamp ready to attach to line.

Tenders must be marked "Tender for Lamps" The Council reserves the right to reject any or all tenders. For further information apply to J. C. Smith, Esq., Chairman of Committee.
ROBT. J. LEIGH, Clerk,
P. O. Box 313,
Toronto Junction, Feb. 4th, 1892

TENDERS.

Sealed tenders will be received by the Gaol and Wardens Committee of the County Council of the County of Bruce, up to TUESDAY, THE 23RD DAY OF FEBRUARY, 1892, for the

Heating of the Caretaker's Residence and Registry Office for said County with hot water.

Parties tending to supply plans and specifications.
The lowest or any tender will not necessarily be accepted.
Tenders to be directed to
GEO. GOULD,
County Clerk,
Walkerton, January 30, 1892.

TO CONTRACTORS.

Tenders will be received until the 22nd inst for the following works: Brick, cut stone and terra cotta, carpenter and joiners, plaster, copper and galvanized iron, painting and glazing, slating and tile works in connection with the erection of a building for the

TORONTO ATHLETIC CLUB, LIMITED.

Plans and specifications can be seen and all other information obtained at the office of the Architect
E. J. LENNON, Architect



Notice to Contractors.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to eleven o'clock a.m. on TUESDAY, FEBRUARY 23rd, 1892, for the following works:

CEDAR PAVEMENTS

On Halton Street, from Dundas Street to Shaw Street.
On lane between St. Patrick Street and D'Arcy, from Beverley Street to Huron Street
On Lowther Avenue, from Brunswick Avenue to Howland Avenue.

Quantities and forms of tender can be obtained on and after February 10, 1892, at the City Engineer's office.

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 under \$1,000, and 2 1/2 per cent. over that amount, must accompany each and every tender, otherwise it will not be entertained. All tenders must bear the bona fide signatures of the contractor and his sureties (see specifications), or they will be ruled out as informal.

The Committee do not bind themselves to accept the lowest or any tender.

JOHN SHAW,

Chairman Committee on Works

Committee Rooms, Toronto, February 12, 1892

USEFUL HINTS.

Don't inclose the sink—no place in a kitchen is so much neglected.

Copper piping when hot has an injurious effect upon any india-rubber tubing with which it may come in contact.

There are certain rules laid down by Quantity surveyors as to the measurement of gutters, whereby they allow, for instance, 9 in. from bottom of gutter in the width for turning up under the slating then again, an allowance is made of 6 in. for 1 1/2 in. and 8 in. for 2 in. dips and 6 in. for 1 1/2 in. and 8 in. for 2 in. rolls, and so on.—Plumber & Decorator.

In an emergency the following method for cutting thin sheet brass may be found useful: Clean the surface, and draw a line in the requisite course with a strong solution of nitrate of mercury. The nitrate of mercury becomes decomposed, copper is dissolved, and an amalgam of zinc with mercury is formed, which renders the sheet so brittle as to be readily broken in the desired direction.

CONTRACTS OPEN.

DOURO, ONT. Preparations are under way for the erection of a new church here.

PRESBOTT, ONT. The Presbyterian Church recently destroyed by fire will be rebuilt.

EDMONTON, N. W. T. Mr. J. S. Ingram, of Calgary will erect a new hotel here during the coming summer.

COLLINGWOOD, ONT. It is expected that work will shortly be commenced on improvements to the harbor.

BURNSIDE, MAN. The farmers of this neighborhood will erect a 40,000 bushel grain elevator here this summer.

KINCARDINE, ONT. The sons of Sheriff Sutton of Walkerton, will erect a large saw and planing mill here.

BRANDFORD, ONT. The Government has granted the sum of \$10,000 towards the erection of a new drill hall.

TORONTO JUNCTION, ONT. Plans will shortly be prepared for a new High School building to be erected here this summer.

PENBROKE, ONT. The C. P. R. propose spending about \$75,000 in improving their property inside the limits of this town.

CONROCK, ONT. Plans have been prepared for the new Grand Trunk depot to be erected in this town and are now under consideration.

POINT EDWARD, ONT. R. E. Menzie & Co. have offered to construct and operate salt works on the village in return for a bonus of \$5,000.

PILLOT BAY, B. C. A local company intend to immediately commence the erection of a large building to be used as a general store.

CARP, ONT. A committee has been appointed to secure a charter to build a railway from this village to Sharnbot Lake, via Almonte and Lanark.

ALMONTE, ONT. The congregation of the St. John's Church are considering whether they will enlarge the present building or erect a new one.

MONTREAL, QUE. The Harbor Commissioners will receive tenders until Tuesday, the 16th inst., for the supply of iron bolts, etc., required during 1892.

LONDON, ONT. Jones & McBride, architects, will receive tenders until this (Saturday) noon for the erection of a brick residence for Mr. John Taylor in South London.

MELITA, MAN. The Melita Milling Company are having plans prepared for a new flour mill. The contract for erection and equipment will be awarded at an early date.

HALIFAX, N. S. Tenders will be received at the office of the Board of Works until noon on Monday the 24th inst., for the supply of 3,000 barrels of Portland cement.

RAT PORTAGE, ONT. A committee has been appointed to obtain plans for a stone church to be erected by the congregation of St. Alban's Church at a cost of \$6,000.

QUELPI, ONT. John I. Hobson and Robert McIntosh, Marsboro P. O., will receive tenders until the 20th inst. for supplying 15,000 feet of cedar lumber, 16 ft. long by 6 in. wide, and 5,000 ft. 18 ft. long by 6 in. wide two-thirds to



be delivered at Malden and one-third more

SIDNEY, ONT. The Customs Smelting Co propose to build a customs smelter.

NEPEAWA, MAN. The proprietors of the Richardson house intend erecting a large addition to their premises in the spring. A number of merchants propose erecting brick stores this summer

STRATHROY, ONT. A by-law has been carried granting a bonus of \$10,000 to Messrs J. C. Hegler, J. P. Dunn and J. N. Dunn, of Ingersoll, with the understanding that they will establish a canning factory here.

NIAGARA FALLS, ONT. The Baptists are contemplating the erection of a new church on Morrison St. The Dominion Suspender Co. has purchased land, and will at once commence the erection of a large new factory.

WINNIPEG, MAN. The Winnipeg & South-eastern Railway Co has perfected its plans and construction will be proceeded with this year. The C. P. R. will build a branch from Revelstoke to the upper Arrow Lake in the spring.

LISTOWEL, ONT. It is the intention of D. D. Hay, Jr., to erect a 2-story brick Ramesque residence, to cost about \$4,000. H. J. Powell, architect, of Stratford, will have charge of the work. Contracts will be awarded about the 20th inst.

GOBERNICH, ONT. The Executive Committee of the County Council have been asked to consider and report on a motion introduced by Mr. Proudfoot, that the Council appropriate \$8,000 for the purpose of erecting a County House of Refuge.

BROCKVILLE, ONT. Mr. Allen, architect is preparing plans for the new building for the Brockville Carriage Co. Tenders will be called for early in March. Mr. G. F. Fulford has offered to subscribe \$1,000 towards building a house of refuge.

OWEN SOUND, ONT. Mr. Jas. P. Telford, of this town, will receive tenders until noon on Wednesday, the 17th inst., for the removal of the drill shed at Annan and its re-erection with additions at Owen Sound. Plans and specifications at office of Telford & Co.

STRATFORD, ONT. Mr. Thos. Newman will erect a 2-story brick residence on Church St. at a cost of \$2,000. Contracts will be awarded in about a week. H. J. Powell, architect. It is the intention of Mr. Joseph Salkald, of this city, to erect a \$2,500 residence, plans for which are in course of preparation by Mr. H. J. Powell, architect.

ST. JOHN, N. B. Repairs are shortly to be made to fire stations Nos. 1, 2, 4 and 5, at an estimated cost of \$5,000. At a recent meeting of the Board of Works it was decided that the City Engineer be instructed to prepare plans and estimate cost for the wharf and grain elevator at Sand Point.

HAMILTON, ONT. James Balfour, architect, will receive tenders until noon of the 15th inst. for the erection of a dwelling on Garth St. The Sewer Committee have recommended the construction of a pipe sewer on Euclid Ave. from Barton St. to Copeland Ave. The City Clerk will receive tenders until Wednesday, the 24th inst., for the supply of lead pipe, service brass-work, iron pipe, special castings, stop cock boxes, hydrants and stop valves, and a large heater for the beach works.

KINGSTON, ONT. Arthur Ellis, architect, is calling for tenders for brick-veneering and improvements to All Saints' Church. Mr. C. H. Martin will ask for new tenders for the erection of a residence on Gordon St. The City Engineer will receive tenders until the 18th inst. for supplying the following materials required by the city: 500,000 ft. B.M., more or less, of 2 and 1 1/2 inch plank for wall; 70,000 ft. lineal, more or less, of 5 x 4 cedar sleepers for walks; 12,000 pieces, more or less, of cedar blocks for crossings, hardware, etc.; smithwork and carting.

VANCOUVER, B. C. Plans are now being prepared for a 2-story brick dwelling at the corner of Westminster Ave. and Oppenheim St. The building will be built of brick and stone and have a frontage of 60 feet. Plans for the new Wilson

block, at the corner of Columbia Ave. and Dupont St. are nearly completed. The building will be two stories with basement, and the ground floor will be divided into eight stores, the upper portion being laid out in suites of rooms. Work has commenced on the excavation for a new brewery for Mr. Charles Deering. Considerable machinery will be required for equipment.

OTTAWA, ONT. E. F. E. Roy, Secretary Dept. of Public Works, will receive tenders until Tuesday, the 23rd inst., for the construction of a breakwater at Devil Island, Halifax County, N. S. Plans and specifications may be seen at the office of Mr. C. W. Dodwell, resident engineer, in the Old market building, Halifax, N. S., and at the Dept. of Public Works, this city. Mr. Wm. Smith, Deputy Minister of Marine, will receive tenders until Monday, the 22nd inst., for the construction of two combined gas and bell buoys. Plans may be seen at the department, this city, at the agency of the department, Quebec, and at the office of the steamboat inspector, Montreal.

TORONTO, ONT. The City Engineer has prepared a statement of the approximate cost of constructing a subway under the G. F. R. tracks on Queen St. east. The estimate is placed at \$100,000. The Committee on Water Works will receive tenders up to Monday, the 22nd inst., for the purchase of the building and plant at St. Alban's pumping station, situated on the Lake Shore, Humber bay. The pumping engines are high pressure, of 2 1/2 million and 1 1/2 million gallons daily capacity respectively. The estimates of the City Engineer for the current year contains an item of \$40,000 to be expended in replacing cedar block pavements. The proprietors of the Canadian Queen have purchased a site on Melinda St. on which they intend to erect a large building, to be executed in brown stone and pressed brick. Plans are now being prepared by the architects. Mr. H. J. Smith is making preparations for the erection of nine solid brick houses on corner of Euclid Ave. and Johnson Ave., to cost \$2,000 each. Contracts have not been let. Building permits have been granted as follows: R. Walker & Sons, one 4-story bk. and stone store, 39 King St. east, cost \$30,000; J. & J. Sturdy, six att 2-story and attic bk. dwellings, east side Seaton St., cost \$15,000; Price Brown, an additional bk. story and inside

alterations, 37 Carlton St., cost \$2,500; H. E. Simpson, 1-story bk. store, 143 College St., cost \$1,000; C. H. Gill, three att. 2-story and attic bk. dwellings, west side Albany Ave., near Bloor St., cost \$9,000; E. Sexton, four att. 4-story bk. and stone dwellings, east side Church St., cost \$30,000; Chas. Rogers & Son, 2-story bk. add. to factory, Macdonald Sq., cost \$2,000; J. P. Smith & Co., one pr. 2-story and attic bk. dwellings, south side Gerrard St., west of Mutual St., cost \$7,000. Alterations are to be made to Broadway Tabernacle, Spadina Ave., to provide a better means of exit.

FIRES.

Mr. J. L. Patterson's residence at Agincourt, Ont., was burned to the ground on Wednesday last. Loss \$12,000. The furniture factory at Napanee, Ont., owned by J. Gibbard & Son, was burned on Thursday. Loss \$15,000. On Monday last Mr. Gamoreans' large store and residence and ginger ale factory at Mattawa, Ont., was completely destroyed by fire. Loss \$12,000. Alexander Chuslon's warehouse on College St., Montreal, was totally destroyed by fire on Tuesday last, entailing a loss of \$75,000. The damage to the building was small. The Windsor Hotel, at Regina, N. W. T., was completely burned on the 5th inst. together with Lunan's livery stable.

CONTRACTS AWARDED.

HALIFAX, N. S. Mr. A. L. Melvin has been awarded the contract for ironmongery for the Royal Engineers department.

VANCOUVER, B. C. Mr. E. Cook has been awarded the contract for the erection of a block of stores on Cordova St. for Mr. G. S. McConnell.

TORONTO, ONT. The contract has been let for the erection of a school room in connection with the old Leshevile Methodist Church, Queen St. east.

MONTREAL, QUE. The Harbor Commissioners have accepted the tender of Mr. Duncan McIntyre for 22 tons of 56-pound rails for the railway on the guard pier.

KINGSTON, ONT. The Waterous Engine Co. of Brantford have been awarded the contract for shafting and pulleys for the new light and power station. The contract price is \$2,700.

BIDS.

OTTAWA, ONT. It is rumored that George Goodwin, of this city, is the lowest tenderer for section 11, and Dennis O'Brien & Sons, of Montreal, for section 12 and 13 of Soulanges Canal.

To ascertain the amount of lime in Paris white, or whiting, dissolve in dilute hydrochloric acid, and precipitate the lime from ammoniacal solution with solution of ammonium oxalate.

A sheet of lead is considered 7 ft. by 30 ft., but will for practical purposes, be found about 6 ft. 10 in. wide, and of length varying from 25 ft. to 30 ft. All lead for gutters and flats is invariably cut lengthwise of the sheet, and that for flashings, hops, ridges, &c., across the sheet.

Plaster, when dry, treated with two coats of warmed boiled oil, will, when painted, stand the elements as well as wood. Roger's statuary is made in this manner. Shellac varnish is used sometimes in place of boiled oil, but if there is any common lime in the work it is apt to scale.

A composition known as "painter's cream" is employed by some decorators for covering unfinished work. It is composed of nut oil, 3 oz.; mastic, 1/2 oz.; dissolve; add acetate of lead, 1 drachm; and sufficient water to bring the moisture to the consistency of cream. It can be washed off with a sponge.

The latest novelty in American electrical science is the use of permanent magnets to windows to prevent the rattling of sashes that is often such an annoyance. In building railway carriages, it is the common practice to make the windows fit tightly in the frames, and where dampness is present the woodwork often swells so much that it is difficult and often impossible to raise the sash. In using the permanent magnet the poles are toward the face of the sash, with rods of iron fixed rigidly in the window frames. The magnets constantly draw the sash into contact with the frames, thereby it is claimed, obviating any tendency to rattle. A sash so arranged need not fit snugly in the frame, and the magnets do not materially interfere with the raising or lowering of the windows.

J. B. LEWIS, C.E.
P.L.S. for Ontario and Quebec.
Dominion Land Surveyor.
(DRAINAGE WORK A SPECIALTY.)
126 SPARKS STREET.

(Huron, 26th Decem^r 1891

B. H. Mortimer Esq.
Toronto

Dear Sir

I believe that your paper (Contract Record) is the best medium to reach Contractors and shall always have any orders of any work with which I am connected inserted in it.

Wish you the compliments of the Season
I remain

Yours truly
J. B. Lewis

MUNICIPAL DEPARTMENT.

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

TOWN OF OWEN SOUND V. TOWNSHIP OF DERBY. - This was an appeal by the plaintiff from the judgment of Justice Robertson who dismissed the action with costs. The plaintiffs' claim is that under 41 Vic. (O.) Chap. 28, Sec. 18, they are entitled to restrain the defendant municipality from allowing impure water to drain into the reservoir from which the town of Owen Sound is supplied water.

ONTARIO NATURAL GAS CO. V. TOWNSHIP OF GOSFIELD AND ATTORNEY-GENERAL OF ONTARIO. - This is an application by the plaintiffs to quash a by-law of the defendant township authorizing the leasing of a portion of a highway in the said township to certain parties for the purpose of drilling thereon a well for natural gas.

CORNELL V. TOWN OF PRESCOT. - Judgment on motion by the defendants to set aside the verdict and judgment for the plaintiff in an action tried before Street, J., and a jury at Brockville. The action was brought by the plaintiff to recover damages for injuries sustained through the negligence of the defendant's workmen in setting off a blast in a public street, whereby the plaintiff's horses were frightened and ran away, and the plaintiff was injured.

Boyd, C., held that the plaintiff's conduct could not be regarded as negligent, and and was in favor of dismissing the motion. Meredith, J., held that the maxim volenti non fit injuria applied, and that the plaintiff had under the authorities no remedy, for he had no reason to take the risk he did, the defendants being responsible for the original cause of the horses running away. In the result the motion was dismissed with costs.

ASSESSMENT AMENDMENTS.

At a recent meeting of the Chatham Board of Trade the following resolution was adopted:

1. That the Chatham Board of Trade petition the Ontario Provincial Legislature as follows:

(a) To amend 53 Vic., chap. 56, sec. 4, by rendering the provisions of said section compulsory instead of permissive;

(b) To so amend sec. 6, chap. 193, R. S. O., which reads, "All municipal local or direct taxes or rates shall, where no other express provision has been made in this respect, be levied equally upon the whole ratable property real and personal, etc., etc.," that the assessment of income taxes may be made on a sliding scale according to the amount of the ratepayer's income and source from which same is derived.

2. That the secretary be instructed to have this resolution printed and a copy forwarded to every Board of Trade in Ontario, respectfully requesting each Board to pass a similar resolution and join in endeavoring to effect so desirable a change in the law.

AMENDMENTS TO LOCAL IMPROVEMENT ACT.

The York County Council will petition the Ontario Legislature to extend the Local Improvement Act to local municipalities, so that improvements might be made and charged to the lands benefited irrespective of their situation.

ALAN MACDOUGALL, CIVIL AND SANITARY ENGINEER, 32 ADELAIDE STREET EAST, TORONTO.

R. E. H. BUGKNER, 32 Adelaide St. East, TORONTO. PATENT CAST IRON GULLIES, Vitrified Clay Sewers - Dust Bins - Sewer Pipe Cements - Steam Road Rollers - Stone Breakers - Street Scrapers - Horse Brushes, etc.

THE STANDARD DRAIN PIPE CO.

OF ST. JOHNS, P. Q. (LIM.)



Manufacturers of Salt-Glazed, Vitrified SEWER PIPES Double Strength Railway Culvert Pipes, Inverts, Vents,

AND ALL KINDS OF FIRE CLAY GOODS.

CANADIAN BRIDGE & IRON CO. MONTREAL.

Architectural Ironwork a specialty. Pleased to furnish estimates.

THE CENTRAL BRIDGE WORKS

Peterborough, Ont.

WM H. LAW, Proprietor and Engineer MANUFACTURER OF

RAILWAY AND HIGHWAY BRIDGES

Viaducts, Piers, Roofs, Turntables and Girders in Steel and Iron.

Tension members forged without welds. Riveting done by hydraulic or compressed air machines. Specialties: Good workmanship and strict adherence to specifications and drawings.

CAPACITY 200 TONS PER ANNUM

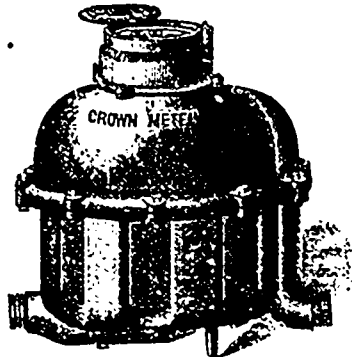
DEBENTURES WANTED.

Municipalities issuing debentures, on matter of what purpose, will find a ready purchaser by applying to G. A. STIMSON, 9 Toronto Street, Toronto. N.B. - Money to loan at lowest rate on first mortgage

National Meter Co.

GOWER & CO., AGENTS

204 St. James Street, MONTREAL.



94,000 Meters sold and in use to date.

GOWER & CO. will also quote for FILTERS, STAND PIPES, CAST PIPES, SPECIALS, HYDRANTS, VALVES, and all Waterworks and Municipal Supplies.

St. George's Patent Sectional

VITRIFIED CLAY SEWER

CAST IRON STREET GULLEY.

THE undersigned begs to call the attention of town councils or those interested in the construction of sewerage, to the above mentioned patents, and will be pleased to send circulars and give any information required to those desiring such. The sectional sewer makes a CHEAPER and at the same time a more durable and efficient sewer than the ordinary brick. The cast iron street gully, of which there are 5,000 in use in Montreal, Toronto, Ottawa, Quebec, Peterboro', Owen Sound, Sarnia, St. Henri, St. Cune-gonde, and other places, is such a great improvement and saving on brick that corporations who have tried them never put in bricks again.

LEWIS SKAIFE,

Engineer and Contractor,

New York Life Building, - MONTREAL.

AGENT.

THE EXAMINATIONS

OF THE

ROYAL INSTITUTE OF BRITISH ARCHITECTS.

NOTICE IS HEREBY GIVEN that after the close of the year 1892 all gentlemen who desire to qualify for candidature as ASSOCIATE of the Royal Institute of British Architects (except in special cases submitted to and approved by the Council) will be required to enter for the PRELIMINARY Examination, and having passed it, work up through the INTERMEDIATE to the FINAL Examination which in 1894 will take the place of the present Examination in Architecture. The only Examinations to which young Architects who are in practice and who desire to become Architects without passing the Progressive Examinations can enter take place twice in the year 1892 and twice in the year 1893. Those therefore who may not be prepared to enter for the "EXAMINATION IN ARCHITECTURE" before the close of 1892, should take immediate steps to secure registration as Probationers, which they can do by passing the Preliminary Examination or obtaining the GRANT OF EXEMPTION THEREFROM.

ASTON WEBB, Hon Secretary WILLIAM H. WHITE, Secretary

The Royal Institute of British Architects, 9 Conduit Street, Hanover Square, London W., 25th January, 1892.

Prices of Building Materials.

LUMBER.

CAR OR CARGO LOTS.

Toronto. Montreal.

Table with 4 columns: Quantity, Price per unit, Toronto price, Montreal price. Includes items like 1 1/2 to 2 clear picks, 1 1/2 to 2 three uppers, 1 1/2 to 2 pickings, 3 inch clear, 1 x 10 and 12 dressing and better, 1 x 10 and 12 mill run, 1 x 10 and 12 dressing, 1 x 10 and 12 common, 1 x 10 and 12 spruce culls, 1 x 10 and 12 maple culls, 1 inch clear and picks, 1 inch dressing and better, 1 inch siding, mill run, 1 inch siding, common, 1 inch siding, ship culls, 1 inch siding, mill culls, Cull scantling, 1 1/2 and thicker cutting up plank, 1 inch strips, 4 in. to 8 in. mill run, 1 inch strips, common, 1 1/2 inch flooring, 1 1/2 inch flooring, XXX shingles, sawn, per M, 16 in., XX shingles, sawn.

YARD QUOTATIONS.

Table with 2 columns: Item, Price per unit. Includes items like Mill cull boards and scantling, Shipping cull boards, miscellaneous widths, Shipping cull boards, stocks, Hemlock scantling and joist up to 16 ft., Hemlock scantling and joist up to 18 ft., Hemlock scantling and joist up to 20 ft., Scantling and joist, up to 16 ft., up to 18 ft., up to 20 ft., up to 22 ft., up to 24 ft., up to 26 ft., up to 28 ft., up to 30 ft., up to 32 ft., up to 34 ft., up to 36 ft., up to 38 ft., up to 40 ft., up to 44 ft., Cutting up planks 1 1/2 and thicker, dry, Cutting up planks, 1 1/2 and thicker, board, Cedar for block paving, per cord, Cedar for Keibang, 4 x 14, per M.

Table with 2 columns: Item, Price per unit. Includes items like 1 1/2 in. flooring, dressed, F.M., 1 1/2 inch flooring, rough, F.M., 1 1/2 in. flooring, dressed, F.M., 1 1/2 in. flooring, undressed, F.M., 1 1/2 in. flooring, dressed, F.M., 1 1/2 in. flooring, undressed, F.M., Beaded sheeting, dressed, Clapboarding, dressed, 16 in. sawn shingles, per M, Sawn shingles, per M, Cedar, Red oak.

Table with columns for Toronto and Montreal prices for various materials like White, Cherry, Dressing stocks, Brick, Sand, Stone, Roofing, Slate, and Paints.

Table with columns for Toronto and Montreal prices for Cement, Lime, Hardware, and Structural Iron.

Table with columns for various contractors and suppliers including Brick (Pressed), Builders' Supplies, Boiler Covering, Building Stone Dealers, Builders' Hardware, Cements, Church and School Furniture, Chimney Toppling, Contractors and Builders, Cut Stone Contractors, Consulting Engineer, Derrick Builders, Door Springs, Electric Lighting, Elevators, Engravers, Fire Brick and Clay, Galvanized Iron Works, Grates and Tiles, Heating, Iron Pipes, Iron Fences, Lath and Plaster, Legal, Mantels and Ornaments, Metallic Lath, Mortar Colors and Shingle Stains, Ornamental Plasterers, Paints, Plasterers, Plumbing Supplies, Roofing Materials, Sundry Appliances, and Stenographers.

INDEX TO ADVERTISEMENTS

IN THE CANADIAN ARCHITECT AND BUILDER.

Table listing architects, sculptors, iron works, engravers, and other professionals with their names and page numbers.