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Vol. 3.

Toronto and Montreal, Canada, February 13, 1892.

No. 1

THE CANADIAN CONTRACT RECORD.

Weekly Journal of Public Works, Ten-ders, 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" fineluding "Canadian Contract Record"], \$2 per annum, payable in advance.

C. H. MORTIMER, Publisher, 14 King St. West, - Tore Telephone 2362. TORONTO, CANADA.

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

ADVERTISING RATES ON ADDITION.

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 fournal as their medium of communication with conractors with respect to advertisements for

The following resolution was ununimous to 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 valling for Tenders."

The publisher desires to ensure the regular and prompt desivery 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 immedrate 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.

Scaled tenders, addressed to the undersigned. Scaled tenders, addressed to the undersigned, will be received by registered mail 1 p to 4 o'clock p m. on WEDNESDAY, FEBRUARY 1711, 1892, for supplying the Corporation of the Town of Toronto Junction with any number required of double-carbon all-night are 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

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

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

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

Parties tendering to supply plans and specifi-

thons.
The lowest or any tender will not necessarily e 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 registeres past, addressed to the City Engineer, Torosto, up to Eleven o'clock a.m. on TUESDAY, FEBRUARY 2380, 1892, for the following works:

CEDAR PAVEMENTS

On Halton Street, from Dundas Street to Shaw Street.

On lane between St. Patrick Street and D Airy, from Reverley Street to Huron Street

On Lowther Avenue, from Brunswick Avenue to Howland Avenue.

Chantities and forms of tender can be oranged on and after rebruary to, 1292, at the City Engineer's office.

office.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the some of a per cent, on the value of the work ten hered for under \$1.000, and 2% per cent, over that ame unit, 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 surface (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, 1894

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 indiarubber tubing with which it may come in contact.

There are certain rules laid down by Quantity surveyors as to the measure-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 s made of 6 in. for 1½ in. and 8 in. for 2 in. rolls, and so on.—Plumber & Decorator.

In an emergency, the following method for cutting thin sheet bras may be found useful: Clean the surface, and draw a solution of nurate of mercury. The ni-trate 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, Ost Preparations are under way for the erection of a new church here,

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

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

Coursewood, OST - It is expected that work will shortly be commenced on improvements to the harbor

BURNSHIEL MAS - The farmers of this neighbothood will erect a 40 000 bushel grain elevator

KINCARDINE, ONT. The sons of Sherift Sut son of Walkerton, will erect a large saw and planing mill here.

BRANTIORD, ONL. The Government has granted the sum of \$10,000 towards the election of a new drill hall.

FORONTO TUNCTION, ONL - Plans will shortly be prepared for a new High school building to be erected here this simmer

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

Conot ko. ONL. Plans have been prepared for the new Grand Trunk depot to be erected in this town aud are now under consideration

POINT LIGHTARD, ONT - R. E. Menzie & Co. have offered to construct and operate saft works in the village in return for a bonus of \$1.000.

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

CARP, ON 1 A committee has been appointed secure a charter to build a railway from this village to Sharbot Lake, via Almonte and Lanark. ALMONTE, ONT - The congregation of the St

John's Church are considering whether they will enlarge the present hadding or erect a new one

MONTRIAL, OUR, .. The Harbot Commissioners will receive tenders until Tuesday, the 16th inst., for the supply of iron bolts oil, etc., re quired during 1892.

LONDON, ONT. - Jones & McBride, architects. will receive tenders until this (Naturday) 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 centract for efection and equipment will be awarded at an early date.

HALHAX, N. S.-Tenders will be received at the office of the Board of Works until noon on Monday the 29th inst, for the supply of 3,000 barrels of Portland cerr int.

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

GUELPH, OST -John L. Hobson and Robert Melntosh, Marshoro P. O., will receive tenders until the 20th it'st, for supplying 15,000 feet of cedar lumber, 16 ft, long by 6 th, wide, and 5.000 ft 18 ft, long by 6 in wide two-thirds to

CANADIAN CONTRACT RECORD

be delivered at Marden and one-third - Sign. boro

SI-DRURY, OST. The Customs Smelting Co-propose to build a customs smelter.

NEEPAWA, MAR. — The propertors 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 car ried granting a bonus of \$10,000 to Messrs J. C. Hegler, J. P. Dunnand 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.

WINNIPEO, MAN—The Winnipeg & Southeastern Railway Co has perfected us 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 Ramanesque 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

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

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

OWEN SOUND, ON r. - 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 erec' 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 crest 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 estimated cost for the wharf and grain elevator at Sand Point.

HAMILTON, ONT.—James Baltour, 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 brasswork, 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 13 inch plank for walks; 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 at now being prepared for a 2 story brick dwelling at the corner of Westmanster Ave. and Opponheimn 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 Commissa 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 Maine, 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 hay. The pumping engines are high pressure, of 21/2 million and 11/4 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. cast, cost \$30,-000. J. & J. Sturdy, six att 2-story and attic bk. dwellings, east side Seaton St., cost \$25,000; Price Brown, an additional bk. story and inside

nlterations, 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. Ganoreans' large store and residence and ginger ale factory at Mattawa, Ont., was completely destroyed by fire. Loss \$12,000—Alexander Chislom's warehouse on College St., Montreal, was totally destroyed by fire on Tuesday last, entuiting 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 ironniongery 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. McCon-

TORONTO, ONT.—The contract has been let for the erection of a school room in connection with the old Lesheville Methodist Church, Queen St. 2181

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.

RIDS.

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 hydrocholic acid, and precipitate the lime from ammoniacal solution with solution of ammonium oxalate.

A sheet of lead is considered 7 st. by 30 st., but will for practical purposes, be found rbout 6 st. 10 in. wide, and of length varying from 25 st. to 30 st. All lead for gutters and stats is invariably cut lengthwise of the sheet, and that for sheet, 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. Shellae 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, ½ 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 novely 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 otten 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 iros 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.

(Ittaren, 26 to December 1891

6.86. Ub ortine & Esq.

Den Sir

I be lieve that your paper. (& oute act Record) to the best neclium to neach Boute actions and shall always. have any, actual of any work with which I am connected the ser till in it

Wishing you the compeliments of the season

Jour True

MUNIGIPAL 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. The pollution complained of is alleged to have been caused by the building of certain ditches and culverts, and by certain other changes in the drainage system of the township by which the surface water is ducted towards the reservoir. The defendants claim that the surface water, prior to the construction of the present Owen Sound waterworks system, flowed by natural courses in that direction which it at present takes, and that it is impossible to divert it except at very great expense. The judges unanimously agreed that the plaintiffs had made out no case and dismissed the motion with costs.

ONIARIO NATURAL GAS CO. v. TOWN-SHIP OF GOSFIELD AND ATTORNEY-GEN-ERAL 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. Justice Street dismissed the application with costs. The plaintiffs still contended that the said corporation had no right to authorize the breaking of the surface of the highway or the sinking of any well, shaft or hole through which minerals might be drawn from the surrounding country not included within the limits of said highway. A great deal of the argument turned upon the meaning of the word mineral in the statute, the plaintiffs holding that the term mineral was mapplicable to natural gas, while the defendants held that natural gas was a mineral within both the scientific and the legal interpretation of the word. Judge Street decided that gas was a mineral, and as such the township had a right to deal with it. The Court of Appeal unanimously concurred in this opinion, holding Mr. Street's definition to be good in law and science, so the appeal was dismissed.

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. The defendants contended that there was no eviddnce of negligence on their part, and that the plaintiff was guilty of contributory negligence in running in front of the horses to try to stop them and in not having them properly secured. The jury found that the defendants were guilty of negligence in not covering up the blast so as to prevent stones flying, and that the plaintiff was not guilty of contributory negligence.

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:

- t. 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
- 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 IMPROVE-MENT ACT.

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

ALAN MACDOUGALL, GIVIL 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.)



Salt-Glazed, Vitrified

SEWER

Double Strength Railway Culvert Pipes, Inverts, Vents,

AND ALL KINDS OF FIRE CLAY GOODS.

THE CENTRAL BRIDGE WORKS

CANADIAN CONTRACT RECORD.

Peterborough, Ont. WM H. LAW, Proprietor and Engineer MANUPACTURER 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 at machines Sp cialities. Good workmanship and strict adherence to specifications and drawings.

CAPACITY 200 TONS PER ANNUM

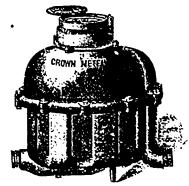
DEBENTURES WANTED.

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

National Meter Go.

GOWER & GO.,

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

- AND -

CAST IRON STREET GULLEY.

THE undersigned begs to call the attention of town councils or those in-terested 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 gulley, of which there are 5,000 in use in Montreal, Toronto, Ottawa, Quebec, Peterboro', Owen Sound, Sarnia, St. Henri, St. Cunegonde, 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.

CANADIAN BRIDGE & IRON MONTREAL.

Architectural Ironwork a specialty. Pleased to furnish estimates.

THE EXAMINATIONS

OF THE

ROYAL INSTITUTE OF BRITISH ARCHITECTS.

NOTICE IS HEREBY GIVEN that after the close of the year 1893 all gentlemen who desire to qualify for candidature as ASSO CIATE 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 "Fxamination 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 the council the council the council the passing the Probationers, which they can do by passing the Probationers. NOTICE IS HEREBY GIVEN that after

ASTON WEBB, Hon Secretary WILLIAM H WHITE, Secretary

The Royal Institute of British Architects, of Conduit Street, Hanover Square, London W., 25th January, 1842.

Prices of Building Materials.

LUMBER.

AR OR CARGO LOTS.

	Toronto.		Montreal.		
	\$	5	5	5	
. to a clear picks, Am. ins.,	. 30 000	7 12 00	40.00	f48.44	
134 to 2 three uppers, Am in-		37 00			
th to z, pickings, Amins		270	7 150		
3 inch clear .		•	\$2.50		
t x to and to dressing an	d				
better	.18 00	20 K	18 140	****	
x 10 and 12 mill run.	13 ∞	14 00		19 00	
r x to and tadressing.	14 00	160		13 00	
r x to and trecommon.	13 00	1,100	R . 43	loco	
1 x 10 and 12 spruce culls	. 10 00	2100	10 (4)	11 00	
ix to and ta maple culls.		90.		900	
t tuch clear and picks	28 oo	30.00	61.0	15 00	
1 inch dressing and better	18 00	300	1100	40 (0)	
a inch siding, mill run	** **	1600	14.00	15 00	
a inch siding, common.	11.00	120	1, 100	14 00	
r inch siding, ship culls	10.00	1101	40 48		
s inch siding, mill culls	8.00	م س	8 00	11 (0)	
Cull scantling.	8 00	000	800	ý œ	
1% and thicker cutting u		y		9 00	
plank	32 00	25 OK	22 (8)		
1 inch strips, 4 in. to 8 in. mil	1	25 W	22 121	4, 123	
iun		1500			
inch strips, common.	. 11 00	1200	14 (0)	15 00	
1 1/2 inch flooring.		1500	11 00	17.00	
1 1/4 inch flooring		1600	84 ***	1500	
XXX shingles, sawn, per 3	314 00	10 00	14 110	16 n	
16 in			_		
XX shingles, sawn	2 30	2 35		- 35	
rese minigrest sewitt	. 1 30	1 35	1 30	1.15	
YARD QUO		NS.			
Mill cull boards and scantling	c	10 00		10.00	
Shipping cull boards, pro	•				
miscuous widths.		13.0		11:00	
Shipping cull boards, stock		16:00			
Hemlock scantling and jois	-			tf- an	
up to 16 ft.	`	12 (0		•	
up to 16 ft. Hemlock scantling and jois	w	12 00		10.0	
up to 18 ft	•••				
Hemlock stantling and jois		1,100	13 ta)	1300	
un to so fr					

up to 16	ft.		. 11 00	13 (0		10.0
Hemlock s	cantling	and	joist			
up to 18 f	l t .,		. 12 00	13 00	12 cm	13.00
Hemlock s		and	joist			
up to 20	ſŧ		1300	14 Oc	1100	14
Scartling a	nd jout,	up to	i6 ft	14 00		110
	•	••	18 ft	14 0		15 14
•	•	••	20 ft	1610		16
		••	22 ft	17 (0		12 .>>
	•	••	24 ft	19 66		1200
	t	**	36 ft	21 00		41 .00
	•	••	28 ft	23 00		43.00
		••	Ωoc	1500		44.21
	•	••	ta ft	27 00		47 >1
	•	••	14 ft	20.0		
		••	35 ft	41 60		1 (7)
•	•	••	18 ft	44.00		13.0
		40 10	44 ft	1600		.C
Cutting up	planks	134	and	•		
thicker, d	lrj,		45 00	36	25.00	6,.25
Jutting up	o planks,	. 1%	and			
thicker, t	Mardi.		1803	22 1)	18 140	2
edar for	block pa	Zurvi	. 1×1			
cord			•	S 00		
Cedar tor	Kerlang	. 4	1 IA.	•		
per M				14 00		14
•						
			в. м.			
⅓ in. floor	ing, dres	sed.	F M. 28 00	11 1	25 m	, I au
inch flo	ofing, to	uch.	1 M. 18 00	22	15 00	
Ç	dres	sed.	F M.27 Q	2763	27 00	

Towanto	Montwool	Toyonto. Montres	at	Bricks (Pressed).		Hetallic Lath.	
	Montreal.	Oil, linseed, raw, & Imp. gal. 65 65 61	4	Beamsville Pressed Brick Co	x	B. Greening Wire Co	
Bauwood, No. 1 and 2 18 oo 20 oo	1800 1904	" boiled 63 71 66	63	Don Valley Pressed Brick Works	X VIII	Metallic Roofing Co	n
Cherry, No. 1 and 2 70 00 70 00 White ash, No. 2 and 2 25 00 25 00	70 00 80 00 70 00 35 00	1 refined, " 78 85 75 Putty 234 25 234 3	.))	Milton Pressed Brick & Sewer Pipe Co.	X	Mortar Colors and Shingle Stains.	
Black ash, No. 1 and 218 ou 30 oc	10 00 30 00	Whiting, dry, per too lbs 75 100 60	75	Morns, E D		Cabot, Samuel	
Dressing atocks	16 00 22 00 40 00		8	Toronto Pressed Brick & Term Cotta Co. The Ontario Term Cotta, Brick & Sewer	iii	Muirhead, Andrew	ıii
Three uppers, Am. inspection 50 0	10.00	Sienna, burnt 15 20 12	15	Pipe Co	VIÍ	Toronto Pressed Brick Co	111
BRICK-V M			15	Builders' Hupplies,		Ornamental Plasterers.	
Common Walling. 7 to Good Facing 9 00	6 cc 8 50	GRMENT, LIME, etc.		Adamant Mig. Co	11	Baker, J. D	
Sewer 830 910	8 54. 4.00	Cenient, Portland, per bbl . 260 300 Thorold, " 150		Adamson, Joseph	ì	Wright, Jas	Ш
Pressed Brick, Per M:		" Queenston, " 1 50		Bremner, Alex		Paints, Varnishes, &c.	
Plain brick, f. o. b. at Milton 18 00		" Napanec, " 1 50 " Hull, " 1 50		Maguire, William.	14	Muirhead: Andrew	×
" and quality 14 60 " if ard 10 00 Hard Building 8 00		German " 265 2		McNally & Co	17	Painters.	
Hard Building 8 00		" Newcastle " 224 2	193	Rathbun Co	viit	Dill & O'Hearn	- 11
Moulderland Ornamental, per			40	Rowe, Geo	П	Gilmor & Casey	
Roof Tiles 74 00		" Ganadian " . 2 25 2 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1	30	Boller Covering.		Polito, T	•
Diamond locking tile 16 00		" Patian " 4 to 4	75	Gast & Co		Paring.	
First quality, f.o.b. at Campbellville 18 00	25.00	" Superfine " 630 7	25	Building Stone Dealers.		Excelsior Pavement Co Porsyth, Robert	
and quality, f.o.b 14 00	10 00	Calcined plaster, per barrel. 1 cs 1	70	Adamson, Jos	ï	Gardner & Co., A	ïŸ
and quality, f.o.b	17 00	Fire Bricks, Newcastle, per M 23 co 24 Scotch 18 00 25		Brodigan & Co., J	riii	Plasterers	
Tiles	26 00	Lime, Per Barrel, Grey 40		Rathbun Co	vi	Hynes, W. J.	ı
DON VALLEY, F. O. B. TOXONTO	0	Plaster, Calcined, N. B 900		Builders' Hardware.		Watson Bros	11
Plain brick, "A"		" " N. S 200		Rice Lewis & Son	IV	Plantering Fibre	
Plain brick, "A"		Hair, Plasterers', per bag 85 HARDWARB.		Samuel, Benjamin & Co., M. & L	li	Nowell & Co., R. L.	si
Trojan or Buff		Cut nails, 5 d & 6.d, per keg # 40 #	15	Cements.		Plate (Hann	
		Steel 11 11 11 2 50 2	35	Adamant Mfg. Co	x	McCausland & Son.	٧
S.4 N.D. Per Load of 136 Cubic Yards 1 2	1.75	CUT NAILS, FENCE AND CUT SPIKES. 40d, hot cut, per 10 lbs \$,	Adamson, Jos	1	Toronto Plate Glass Importing Co	vis
STONE.			ró	Bremner, Alexander McNally & Co., Wm.	ıv	Plumbers	
Common Rubble, per torse, delivered.	•	aod, 16d and 12d, hot cut, per	15	Maguire, William	iv	Bennett & Wright,	11
large flat Rubble, per toise,	14:00	rod ho cut per roally 20	30	McRae & Co	iv	Hortan, F	ÅI
foundation Blocks, per c ft	18 30	8d, od,	40	Mortis, E. D	****	McCrae & Watson	. "
Kent Freestone Quarries,	•••	4d to 5d, " " 60 •	to .	Rathbun Co	vin n	Plumbing Supplies	
Moncton, N. B., per cu			50 50	Church and School Furniture.	•	Booth & Son	٧
River John, N.S., brown		ad to sel cold cut, not polithed		Canadian Office & School Furniture Co	χı	Gaeth & Co	χŧ
Freestone, per cu it , i.o.b.		or bived, per r o lbs 50 3d to 5d cold cut not po ished	۲,	Office Specialty Co	XIII	St. Johns Stone Chinaware Co.	10
Ballochmyle	105	or blued, per 100 lbs 90	ġo.	Chimney Topping,		Roofing Materials	
Granite (Stanstead) Ashlar, 6 in, to 11 in., 18e 9 tn , per ft.		jd, per 1 o lbs 150 1	5	Bremner, Alexander		Merchant & Co,	57
Mowat Freestone Credit Valley Rubble, per	70 %		300	Hansen, Harald M	XIV	Metallic Roofing Co	×
Credit Valley Rubble, per		CASING AND BUX, FLOORING, SHOOK AND TOBACCO IN	ю \	Contractors and Builders.		Samuel, Benjamin & Co	14
toise, delivered		12d to 30d, per 100 lbs 50	(.)	Davidson & Kelly	11	Santtary Appliances	
ing, per superficial yard 200 300. Credit Valley Brown Dimen		to1, " " 60	144	Dick, James, st	yi 	Booth & Son	٧
sion nor rubic fact .v.		foliated 7di, ""	2.5 30	Hood & Co., C.,	11 11	Sanitas Míg. Co	ıv
Credit Valley Grey Coursing, per superficial yard 15 200		49 10 12,	10	Mortimore, Geo. T	ii	St. Johns Stone Chinaware Co.	114
Credit Valley Grey Dimen-		yd, " " 150 I	50	Murison & Burge.	vi	Roofers	
sion, per cubic foot 74		inch, per 100 lbs 85	: 5	Roberts, William	}}	Duthie & Sons, G.	11
ROOFING,			15	Turner & Co., G. W	V1	Forbes, Duncan.	11
Per Square.		1K to 1k " " " 136 1;	35	Cut Stone Contractors.		Metallic Roofing Co	1) 11
vanired)		12	25 25	Adamson, Jos		Rennie & Son, R	ii
ed) 375 400		STATING NATIS	••	Curtis & Rowe		Saulter, Wm	- !!
Improved Broad Rib Roof- ing, (galvanized) 5 00 75			85	Hibbard, H. & T.		Stewart, W. T. Toronto Roofing Co.	11
Inproved Broad Rib Roof-		id " "	5¢	Isaac Brothers Oakley & Holmes	li II	Wilhams & Co., 11	- !!
ing (juinted) 350 400 North Western steel siding		.d. " " 175 17	75		••	Sewer Pipe	•••
(painted) 325 353		COMMON BARREL SAILS.	55	Barry, A. B	۲.		
Manuola steel siding (janut-			25	Berrick Builders.		Bremner, Alexander	•
Metallie Finished Brick 225 350			34	Rowe, Geo.	11		
Tower or Manuard shingles, (galvanie d) 626		cuncil nairs and, period for 85	٠,	Door Springs.		McNally & Co., W Maguire, William	
Tower or Managed shipples		1/2 and 1/4 " " 100 10	(XC	Morrison & Co. T. A		McRae & Co	iv
(painted)		112 and 114 " " 135 1	15	Electric Lighting.		Milton Pressed Brick & Sewer Pipe Co	XI
Price of Copper shingles ac-			(),	Royal Electric Co	ı	Monis, E. D. The Ontario Terra Cotta Pressed Brick &	
cording to weight, and "Hayes" Patent Metablic		SHASE AND PLAT LEESSED SAILS	٠,٠	Toronto Electrical Works	114	Sewer Pipe Co	
Lathing according to quan-		a incorported the trace to	34	Elevators.		The Colman-Hamilton Co	410
thy. Corrugated from galvanised,		2 and 2% " " " 160 10	ç., e.ç	Ives & Co., H. R., Leitch & Turnbull	ıy,	Wright & Sons, C B	· v
Corugated fron, galvanired, 42,24, and 25 W. G., per lb. 436		alpanda's " " 125 18	ŧ۶		•	Stiding #Hinds	
viugated Iron, galvanired,		13	5 ··	Canadian Photo-Eng. Bureau	TIV	Clatworthy, Geo	3
Corrugated Iron, painted, 26		Structural Iron:		Fire Brick and Clay.		Stained and Decorative Glass	
Conugated Iron, painted, 28		the state of the s	ςω	Adamson, Jos	1	Castle & Son	15
W. G		" nata ' nea a s	6) 30	Brenner, Alexander,	•	Elliott & Son	1
ind. 550			5	Colman-Hamilton Co	m	Faircloth Bros	·
Bread Rib Roofing, painted 4 00 Westlake shingles, steel, gal-		plates, 255	45 ,4	Morris, E. D	11	Grimson, G. & J. E	18
Vanized 5 00 Westlake shingles, steel,			-		"	1 13	17
Westlake shingles, steel,		INDEX TO ADVERTISEMENTS		Douglas & Pluskett	11	McCausland & Son.	v
Standard shingles, "Walter's			_	Hedges & Lankin.	ii	Spence & Son. J. C.	15
patent," galvanized 5 50 Standard shingles, "Walter's		IN THE CANADIAN ARCHITECT AND BUILDER	R.	Tucker & Dillon	11	Victoria Stained Glass Co	٧
patent, painted 400			=	Grates and Tiles.		Stenographers	
Northwestern steel siding, patented		Architects. Ontario Directory II	11	Holbrook & Mollington	IV	Holland Bros. & Young	6.3
Metallic Finish Brick, per			vi			Terra Cotta	
Metallic Finish Clapboard. 353		Architectural Sculptors and Carrers.		Heating. Gard & Co	J	Morris, E. D. The Hynes Terra Cotta & Brick Co	V1=
SLATE.		Carnovsky, B. H	ν	Garth & Co Gutney Co., E. & C	vit	toronto Pressed Brick & Terra Cotta Co.	111
Rosling (8 square).	.4	Hicks, W. Stivens	11		XII	The Ontario Term Cotta, Brick & Sewer	
n red., 18 vo n purple 9 vo	15 co 8 o x		xii 11	Ives & Co., H. R. King & Son, Warden	11/	Pipe Co	X1
unlading green 95>	600	Mowbray, Thus 1	11	McClary Mfg. Co	XIV Ni	Terra Cotta Fireproofing	
lerra Cotta Tile, per sq. 2500	7 50	Wagner, Zeidler & Co	iti	Siller Bros. & Toms	xii	Morris, E D	
Omamental Black Slate Roof-		Architectural Iron Work.		Toronto Radiator Mfg Co	ίx	Tower Clocks and Bells	will
ing 825		R Greening Wire Co. 13		Iron Fences,			
PAINTS. (In oil, \$21b.)	1 m 1 ··		V I	Ives & Co., H. R	IV	Gillett & Johnston	11
White lead, Can., per 190 lts 625 655	757 900	The Dominion Bridge Co		Iron Pipe,	1	Wall Paper and Celling Decorations	
Red lead, Eng 1% 6%	5 6	Art Woodwork.		Ives & Co., H. R	ıv	Elliott & Sor	Ш
" venetian, per 100 lbs 160 17. " vermillion	160 175 90 100	Carrovsky, B. H. 11	ν	Morris, E. D		Wall Plaster	٧
" Indian, Eng 10 12	10 11		rii	Wright & Sons, C. B.	11		
Yellow chrome 5 10	4 6 15 20	Bellhanger.		Legal,	••	Adamant Mfg. Co	II Vi
Green, chroine	7 12	Richardson, I. T	11	Denton, Dods & Denton	111	Strathy, W. T.	••
Black, lamp 15 25	12 25	Bent Glass Manufacturers.		Mantels and Overmantels.		Wall Tie	
Blue, ultramarine 15 30	12 18	Polito, T	V	Millichamp Mlg. Co	Χı	Weese & Co., D. A	A.