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# CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF

PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • AND MUNICIPAL PROGRESS

EVERY THURSDAY

THIS PAPER REACHES EVERY WEEK THE TOWN AND CITY CLERKS, TOWN AND CITY ENGINEERS, COUNTY CLERKS AND COUNTY ENGINEERS THROUGHOUT CANADA.

Vol. 5.

AUGUST 16, 1894

No. 28

## THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY THURSDAY

As an Intermediate Edition of the "Canadian Architect and Builder."

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CONFEDERATION LIFE BUILDING, TORONTO.  
Telephone 2362.

New York Life Insurance Building, Montreal.  
Bell Telephone 2209.

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."

## Notice to Contractors

### CANADIAN CONTRACTOR'S HAND-BOOK

A new and thoroughly revised edition of the Canadian Contractor's Hand-Book, consisting of 150 pages of the most carefully selected material, is now ready, and will be sent post-paid to any address in Canada on receipt of price. This book should be in the hands of every architect, builder and contractor who desires to have readily accessible and properly authenticated information on a wide variety of subjects adapted to his daily requirements.

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This department has been opened for the speedy barter and exchange of second-hand plant or material, or small lots of new or second-hand materials by builders and others not regularly engaged in the sale of such articles. Advertisements other than those of the above description will not be inserted.

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Replies to advertisements may be addressed to a box at this office, in which case necessary stamps must be sent for re-mailing replies. Advertisements for this department must be prepaid.

FOR SALE—Wood and glass partition, 9 feet high, 18½ feet long, including door 3 x 3 feet. Pine, natural finish, ground glass in panels. In use little more than a year. Cost over \$50. Will be sold at a sacrifice. Box 50, CONTRACT RECORD office.

## TENDERS

Tenders will be received up to 5 p.m. on WEDNESDAY, the 22nd inst., for the various trades required in the erection of

### A DETACHED RESIDENCE

on Yonge Street North for Doctor F. Armstrong. Plans and specifications may be seen and all information obtained at the offices of the undersigned.

F. H. HERBERT,  
City & County Loan Building,  
32 Queen St. E., Toronto.

## TO ENGINEERS AND CONTRACTORS

Plans and specifications, with approximate price thereon, are invited by the Corporation of the Town of Port Hope on or before

September the 10th, Inst.,

for a proposed extension and improvement of the present system of waterworks now in use. All information with reference to the same can be had from J. B. White, Chairman of Fire, Water and Light Committee. The said Corporation do not bind themselves to accept any plan that may be submitted, but in the event of any such plan being accepted, the Corporation will pay for the same at such price as may be agreed upon.



SEALED TENDERS addressed to the undersigned and endorsed "Tender for New Dredge," will be received at this office until Friday, the 31st day of August, instant, for the construction and delivery of a Spoon Dipper Dredge, having Steel Hull, Steel Boom and Compound Surface Condensing Engines, for Salt Water Service, in accordance with plans and a Specification to be seen at the office of Mr. W. J. McCordick, the superintendent of dredging at St. John, N. B., at the office of Mr. C. E. W. Dodwell, resident engineer, Halifax, N. S.; at the office of Mr. A. P. Lepine, post office, Quebec; at the office of Mr. H. A. Gray, resident engineer, 36 Toronto Street, Toronto; and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of tenderers.

An accepted bank cheque for the sum of \$5,000.00, payable to the order of the Honorable the Minister of Public Works, must accompany each tender. This cheque will be forfeited if the party declines the contract, or fails to complete the work contracted for, and will be returned in case of non-acceptance of tender.

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

By order,  
E. F. E. ROY,  
Secretary.  
Department of Public Works,  
Ottawa, 1st August, 1894.

### BUSINESS NOTES.

J. Corkery and J. J. Hughes have started business as plumbers at Woodstock, N. B.

John Wallace, senior member of the firm of J. Wallace & Son, plumbers, Hamilton, Ont., died on the 15th inst. at the age of 66 years.

The Hamilton Bridge Company of Hamilton, Ont., which has been closed down for some time, are expected to resume operations at an early date.

### CONTRACTS OPEN.

NOTTAWA, ONT.—A new school house is wanted here.

KAMLOOPS, B. C.—A new block will be built here by the Hudson's Bay Company.

BRIDGENORTH, ONT.—W. B. Kelly will rebuild his saw mills recently burned.

STRATHROY, ONT.—It is probable the proposed new dairy school will be located here.

SHEDIAC, N. B.—The Presbyterian church will, in all probability be rebuilt, at a cost of \$5,000.

VICTORIA, B. C.—Tenders are invited by the City Clerk until the 20th inst. for the new electric light station.

FREDERICTON, N. B.—D. W. Hoegg & Co. will shortly commence to rebuild their canning factory recently burned.

ALEXANDRIA, ONT.—The Council will borrow the sum of \$16,000 for the construction of a system of waterworks.

NORWICH, ONT.—It is proposed to erect a fire and town hall, at an estimated cost of \$5,000. The ratepayers will vote on the question.

BRACEBRIDGE, ONT.—The ratepayers have voted in favor of constructing a system of waterworks and purchasing an electric light plant.

FORT WILLIAM, ONT.—It is understood that plans have been prepared for a new brick hotel to be erected on the old site of the Avenue hotel.

QUEBEC, QUE.—Messrs. Tanguay & Vallée, architects, will prepare the plans for the sanitary works at Beauport asylum, estimated to cost \$25,000.

NANAIMO, B. C.—It is said that another electric railway scheme will be laid before the City Council at an early date. The promoters are Victoria capitalists.

GATINEAU POINT, QUE.—The owners of the buildings recently destroyed by fire are making preparations to rebuild.—Mrs. Latour will likely erect a new hotel building.

AYLMER, QUE.—Plans for the proposed system of waterworks have been prepared and should the ratepayers sanction the expenditure, work will be commenced this fall.

GUELPH, ONT.—The City Council have entered into an agreement with George Sleeman for the construction of an electric railway. Work will not be commenced this year.

HULL, QUE.—Mr. Viau has made a proposition to the Council to extend the waterworks. The Council has no funds to carry out the work and will consider Mr. Viau's offer.

BROCKVILLE, ONT. G. A. Allan, architect, will prepare the plans for the proposed Leeds House of Industry which will be of brick. Work will not be commenced until next spring.

FORT WILLIAM, ONT.—Plans and particulars of the proposed waterworks system are being sent out by the Town

Clerk to persons desirous of making a proposition for construction.

BERLIN, ONT.—The design of Mr. E. B. Jarvis, architect, Toronto, has been accepted for the proposed new hospital building to be erected here. Work on the foundation of the building has been commenced.

WESTON, ONT.—The City and Suburban Electric Railway Co. have accepted the bonus of \$5,000 offered by the Town Council for the extension of their line to this place. The ratepayers must, however, sanction the expenditure.

HAMILTON, ONT.—The Hamilton and Dundas railway will be converted into an electric road. Mr. W. T. Jennings, C. E., will have charge of the work.—It is reported that George Schuabel is organizing a company for the erection and operation of a brewery between the bay and the G. T. R. station.

KINGSTON, ONT.—The Governors of the School of Mining and Agriculture have accepted plans for a new dairy building, and tenders will be asked for at once. F. C. Ireland, City Treasurer, will receive proposals until the 20th inst. for the purchase of about \$35,000 of debentures.—The city authorities are preparing to put in a second pumping engine in the near future.

LONDON, ONT.—Some time ago a committee was appointed to prepare a report on the most effective system of sewerage for the city. At the last meeting of the Board of Health, the report was presented recommending the construction of a system of main sewers, at a cost of \$223,000. The question was discussed by the Board, but it was decided that no action be taken at present.

WINDSOR, ONT.—The Board of Education recently granted the sum of \$22,000 for the building of a new school on Cameron avenue, an addition to St. Francis school, and the furnishings for the same. When the tenders for the Cameron avenue school were opened last week, the lowest was found to be \$1,700 in excess of the appropriation for the work, consequently it has been decided to have the plans altered and new tenders asked for.

OTTAWA, ONT.—At a meeting held here last week it was decided to proceed at once with the construction of a railway between Carp and Bridgewater.—Plans have been prepared for a mining laboratory to be erected here, to cost \$2,500.—The Dominion Government will shortly advertise for tenders for engines and pumps for a diamond drill of a boring capacity of from twelve to fifteen hundred feet. It is stated that the order will be given to a Canadian firm.—Ald. Corry has purchased six lots on Gilmour street and will erect six new buildings thereon, at a cost of \$5,000 each. Work will be commenced at once.

MONTREAL, QUE.—Some expensive repairs are required at the pumping stations for which the sum of \$116,000 will be asked, the money to be expended as follows: new steam engine for upper level

pumping station, new foundations for engine, repairing of reservoirs, and the thorough overhauling of the old engine and boilers.—The Militia Department has selected Fletcher's field as the site for the proposed new military school, which it is estimated will cost about \$150,000.—A. Davis, Superintendent of Waterworks will receive tenders until noon of the 21st inst. for the supply of water meters for the Montreal waterworks.—The City Council has given notice of its intention to construct a sewer on Metcalfe street.

TORONTO, ONT.—John Galt, C. E., has prepared plans for a masonry dam and small steel bridge at Mount Pleasant cemetery. St. Andrew's church at Centre Island, is to be enlarged. A. R. Denison, architect, will have charge of the work.—We learn from the City Engineer that the disputed points in connection with the York street bridge have been satisfactorily arranged, and that work will in all probability be commenced this fall. It has been decided to construct the pillars of steel.—The City Engineer has completed the plans for the widening of the Queen street subway, and Mr. E. J. Lennox is preparing an estimate of the cost of altering the buildings abutting on the proposed widened roadway. The by-law authorizing the expenditure will be submitted to the ratepayers at an early date.—Wm. Harty, Commissioner of Public Works, will receive tenders until Monday the 27th inst. for the erection of a court room and gaol at Mattawa, Nipissing district. Plans may be seen at the town hall, Mattawa, and at the above department in this city.—Building permits have been granted as follows: Rev. J. A. Dowler, 14 Bernard ave., improvements to cottage, cost \$1,000; Jos. Simpson, 140 St. George st., 3 story brick addition to No. 6 and 8 Berkeley st., cost \$1,800; L. Sievert, 12 Terauley st., 2 story bk. add. and alterations to 14 Terauley st., cost \$1,500.—The Sheppard Publishing Company have purchased a lot on the north side of Adelaide street west and will erect a building thereon.—It is reported that the Grand Trunk Railway Co. will shortly convert the belt line of railway into an electric road.

#### FIRES.

W. C. Harrison's planing mill at Norwood, Ont., valued at \$9,000, was completely consumed by fire last week. Insurance, \$3,000.—J. G. Grant's grist mill at Windsor, Ont., has been destroyed by fire. Loss, \$6,000; insurance, \$4,000.—A large planing mill at Port Arthur, Ont., owned by James Connee, was totally consumed by fire on the 13th inst. The loss will be about \$18,000 and the insurance \$10,000. The electric light plant situated in the mill was also destroyed.—A grain elevator at Forest, Ont., owned by the Forest Elevator and Milling Co., was burned on the 10th inst. Loss on building, \$1,700. Mrs. Terbinen's residence at St. Boniface, Man., was burned a few days ago. Loss \$3,500; insurance \$1,000.—Fire at Belleville, Ont., on the 14th inst., destroyed the stores of Charles Clark, C. B. Scantlebury and John Grant. The loss is partially covered by insurance.—A large brick building at Berlin, Ont., owned by Ephraim Bricker, has been destroyed by fire. Loss, \$5,000, partially covered by insurance.—John Sutherland's store at Sheet Harbor, N. S., was burned on the 15th inst. Loss, \$5,000, no insurance.

#### CONTRACTS AWARDED.

ANDERDON, ONT.—James Wilderspin has been given the contract for a new residence and school house for Father Marseille, to cost about \$5,000.

GUELPH, ONT.—The Guelph Light and Power Co. have been awarded the contract for wiring the new opera house block now in course of construction in that city.

BROOKFIELD, N. S.—Messrs. Schurman, Clark & Co., Summerside, have secured the contract for building the Presbyterian church here. Contract price, \$2,415.

LONDON, ONT.—Contracts for improvements to King street Presbyterian church have been let as follows: brickwork, Simpson & Murray; carpenter work, W. Tytler; estimated cost \$3,000.

HAMILTON, ONT.—The following tenders have been accepted by the Hospital Committee for the new House of Refuge: masonry, J. G. Habner, \$5,138; carpentering, James Jacques, \$5,850; plastering, F. C. Thomas, \$873; painting, John Goodfellow, \$442; plumbing, Fairley & Stewart \$707; steam heating, A. Clark, \$1,900; electric lighting, Lowe & Farrell, \$215; slating, Findlay & Son, \$1,147; galvanized iron work, Wallace & Son, \$689; total \$16,961.

MONTREAL, QUE.—Mr. A. Prefontaine architect, has awarded contracts for buildings covering the cemetery grounds at Notre Dame de Grace for the sisters of the congregation as follows: masonry and excavation, O. Martineau; carpenter and joiners' work, Chas. Prefontaine; roofing, Blouin, Desforges and Latourrelle.—Mr. W. McLea Walbank, architect, has awarded the contract for the erection of a summer residence at Dorval, Que., for E. K. Greene, to T. H. Demers. Also for alterations to residence on Sherbrooke st. for S. Davis as follows: masonry, Whighton & Morrison; brickwork, W. H. Boon.

#### WHAT BUILDINGS COST PER CUBIC FOOT.

AN interesting article is contributed to the American Architect by F. E. Kidder. With materials and labor at the same price, says the writer, two buildings of the same character, although of different sizes, will be found to cost approximately the same per cubic foot; hence the cost of a proposed building may be quite closely estimated by multiplying its cubic contents by the known cost per cubic foot of a similar structure built in the same locality. Any general change in the price of materials and labor would, of course affect the cost per cubic foot in the same ratio.

In some cases, says Mr. Kidder, the reluctance of owners to have the actual cost known, makes it necessary to estimate it, but, through the courtesy of leading architects, he believes he has been able to state the cost very closely to what it really was.

In most cases the architect's fee was not included. It will be seen from the figures given, says the writer, that the cost of business blocks of the same character, in the same locality, and built at the same time, varies but little, the most variation in any class of buildings being in the cost of dwellings.

The cost of the Chamber of Commerce in Boston is given as twenty-nine cents per cubic foot. The cubical contents above the basement floor to the base of the conical tower is 1,311,000 feet. It was built in 1891-'92.

The New England Life Insurance building, on Postoffice square, built after the great fire in Boston, is said to have cost 60 cents per cubic foot. The Hemenway building, on the corner of Fremont and Court streets, constructed of pressed bricks, is reported to have cost 45 cents per cubic foot.

The Auditorium building in Chicago, erected in 1887, with a cubical contents of 9,128,744 feet, cost 36 cents, the stock exchange, in the same city, cost 32.2 cents, and the Schiller building, sometimes called the German theatre, built in 1891, cost 30.8 cents per cubic foot.

The new building of the New York Herald, erected last year, is said to have cost Mr. Bennett 46 cents per cubic foot, and office buildings in the same city have cost from 24 to 60 cents per foot, according to material and finish. George B. Post, architect of many of the tall office buildings in New York city, writes: "I can only state in general that, varying with the market rate of materials and labor, large office buildings which I have erected have cost from 30 to 45 cents per cubic foot, including all excavations."

Two Denver club buildings, those of the Athletic Club and the Denver Club,

are mentioned, the former, with all equipments, costing 18 cents, and the latter 24 cents per cubic foot.

A fire proof hospital in New York, including plumbing, heating apparatus, machinery, etc., is quoted at 40 cents, and another, nearly fire-proof, at 32 cents.

A modern church in Cambridgeport—the Grace Methodist Episcopal—built in 1886-7, cost 8½ cents, and the Christ Methodist Episcopal Church, Denver, a stone building with tower, cost 20 cents per cubic foot. A fourteen-storey fire proof hotel in New York, cost 44 cents, and the Brown Palace Hotel at Denver 30 cents per cubic foot.

City dwellings in Chicago, designed by Adler & Sullivan, cost per cubic foot, from 17 to 20 cents. Of dwellings designed by the writer, the average cost of eight and ten-room wooden houses in Boston, in 1886, per cubic foot of habitable space, including cellar, was about 11 cents. In Denver, Col., the cost of a first-class stone house with hardwood finish, steam heat, extra plumbing, decorations, etc., complete, is about 27 cents. Brick houses of 10 rooms, pine finish, furnace heat, good plumbing, etc.,—cost per cubic foot above cellar floor, but not including unoccupied space, about 14 cents. Cheap eight room brick cottages of 1½ or two stories, bath room and furnace, cubic space reckoned from cellar floor, but not including unoccupied roof space, can be built for ten cents.

#### MUNICIPAL DEPARTMENT.

##### SANITARY CONVENTION.

At the ninth annual meeting of the Association of Executive Health Officers of Ontario, which is now in session at Chatham, Ont., the following papers on municipal subjects are to be read:—"Municipal Sanitation," by Chas. Sheard, M.D., M.H.O., Toronto; "Sewerage and Disposal of Sewage," by Willis Chipman, C.E., Toronto; "Methods for Dealing with Consumption and other Contagious Diseases," by John Coventry, Windsor; "Public Water Supplies," by Thos. Macfarlane, Esq., Department Inland Revenue, Ottawa; "School Sanitation," by H. Howitt, M.B., M.H.O., Guelph.

##### CEMENT TESTING.

The brief discussion that took place on Mr. Bamber's paper before the meeting of the Municipal Engineers was conclusive as to the point that the present system of cement testing is unsatisfactory. The members referred especially to the discrepancies between the tests made by themselves and those made by the manufacturers of the cement. The tale as told can be retold in a few words. "I bought cement to a certain specification. I tested the cement supplied, and according to my tests it hardly came up to the specification. Upon writing to the manufacturers they sent an experienced tester, with the result that his results far exceeded those required by the specification. It was easy to see how he obtained his results, and there is no reason why almost any moderate results should not be obtained. He with his tools rammed as much cement into the space as time, patience and strength would admit." Such statements as this cause us to ask what tests and what results are required. It seems there is only one answer, that the tests and results should approximate as closely as possible to those required in practice. If super-excellent results are obtained in a manner which is never carried out under ordinary working conditions, these results are of little value. The ordinary engineer says: "I use cement mixed with sand in certain proportions, and what I want to know is the strength of the compound; or I mix cement up as cement with a shovel, not compressing or confining it except in the natural way and I require to know its strength under these conditions." These arguments are sound and should prevail. The value of cement

is in its strength as used, not in its strength under conditions in which it is never used. Would it not be possible to agree upon a system of testing which should approach more nearly to the requirements of practice than to continue the present system, which entirely depends upon more or less ramming for the results obtained? The cement might be run into a measure under conditions which would prevent any abnormal quantity getting into the measure, and thus a briquette be formed. At any rate, it is evident that some common ground of understanding must ere long be come to, and a better way than a committee of municipal engineers could hardly be found. There are two classes of tests which must not be confused. We may have a series of tests of apparatus or manufactured articles to see how they behave under conditions as perfect as we can make them, and another series of tests with the same apparatus in actual working. The latter results are generally far and away below the former, and the relation between the two shows what we have to work upon to improve the everyday conditions. Engineers can arrange their engine brake trials so that the results can be compared all over the world, and it is known that the arrangement in New Zealand is practically the same as in England, but no two experts can so manipulate their cement briquettes that the results are similar from briquettes made and tested under the same conditions. We doubt if the same expert can make two briquettes alike, hence the test must be so far inaccurate. Those members who discussed the paper seemed to feel, though they did not express their views in words, that the manufacturers' tests ought not to be taken as indicating anything of value, and urged uniformity of practice in testing. Who shall stipulate the test to obtain this uniformity?—Contract Journal.

An ancient roadway has been discovered at Marseilles, Ill. It is from four to six feet below the surface, and is constructed of stone underlaid by pounded sandstone and gravel. Each slab is about twelve feet long, from one to three feet wide, and about two inches thick. It proves that civilization had its hold here long before the advent of the Indians.

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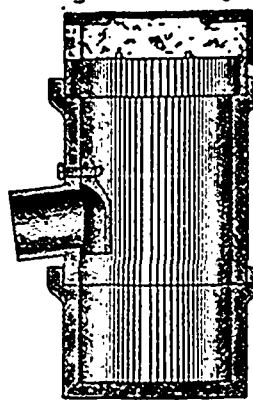
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 only the best quality. Prices lower than ever.

**F. HYDE & CO.**  
 31 Wellington Street, - MONTREAL,  
 Sole Agents for  
**THE "GRANTRYX" SMOKE TEST AND  
 DISINFECTING MACHINE.**

**Artificial . .  
 Granite Stone  
 . . Pavements**

FOR . . .  
**STREETS, SIDEWALKS, BASEMENT  
 FLOORS, ETC.**

The attention of municipalities and others in-  
 terested is called to the excellence of this material.

**A. GRAHAM**  
 Sole Proprietor and Patentee  
 226 Picadilly St., - LONDON, ONT.

THE STRONGEST, LIGHTEST, FASTEST  
 AND MOST DURABLE



**King of Scorchers  
 Helical Premier  
 AND  
 Raglan Wheels**

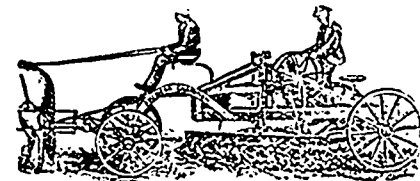
Pneumatic Cycles from \$60 upwards.  
 All Wheels from \$75 up, fully guaranteed  
 CATALOGUES FREE . . .

**GEO. F. BOSTWICK**  
 24 WEST FRONT ST. - TORONTO  
 E. C. HILL, Mgr. Cycle Department.

**PORTLAND CEMENT**

*BEST AND CHEAPEST IN TORONTO.*  
**JOSSON, PETERS and BURHAM** Brands for highest class work.  
 WHITE HORSE, R. W., IMPERIAL, &c., FROM \$2.00 PER BARREL.  
**A. E. S. Smythe & Co.,** - 25 George St., Toronto.  
 Telephone 1948 or call and see us.

**AMERICAN ROAD MACHINE CO.**



MANUFACTURERS OF THE  
**CHAMPION ROAD MACHINES**  
**CHAMPION ROCK CRUSHER**  
**CHAMPION STEEL ROAD ROLLER**  
*Catalogues Free. Correspondence Solicited*  
 Address: 124 York St., - HAMILTON, ONT.

**Drummond McCall Pipe Foundry Company,**  
**MONTREAL**  
 MANUFACTURERS OF

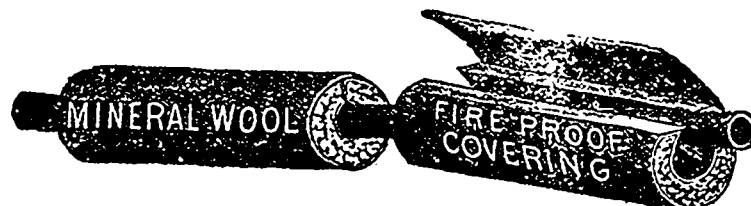
**CAST IRON WATER AND GAS PIPES**  
 WORKS: LACHINE, QUE. PRICES ON APPLICATION.

**HAMILTON AND TORONTO SEWER PIPE CO.**



—FOR—  
**SEWERS,**  
 GULVERTS,  
 AND  
 WATER PIPES.  
**INVERTS**  
 Fire Brick Sewers  
*Write for Discounts.*  
 HEAD OFFICE AND FACTORY: HAMILTON, CANADA.

**MUNICIPAL OFFICIALS** should see to it that in the erection of town and city PUBLIC BUILD-  
 INGS, the installation of water works plant, etc., the advantages of . . .  
**MINERAL WOOL**



are made use of for deadening sound in floors and partitions, insulation of heat and cold, fireproofing,  
 etc., also SECTIONAL MINERAL WOOL COVERING for steam pipes, boilers, exposed water  
 pipes, etc.  
**CANADIAN MINERAL WOOL CO., Limited, 122 BAY ST., TORONTO.**  
 Montreal Agent: LEWIS SKAIFE 707 NEW YORK LIFE BUILDING

**CANADA PIPE AND FOUNDRY CO. . . .**

MANUFACTURERS OF  
**. . . . Cast Iron Pipes and Special Castings**  
 Works: MONTREAL AND ST. HENRI, QUE.  
*CORRESPONDENCE SOLICITED.*

**THE STANDARD DRAIN PIPE CO.**

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



Manufacturers of  
 Salt-Glazed  
 Vitrified  
**SEWER  
 PIPES**  
 Double Strength  
 Railway Cul-  
 vert Pipes,  
 Inverts, Vents,  
 AND ALL KINDS OF FIRE CLAY GOODS.

**THE G. & J. BROWN MFG. CO.**

*Railway and Contractors' Plant.*  
**BRIDGE BUILDERS**  
 BELLEVILLE, ONT.

CENTRAL BRIDGE AND - - ENGINEERING COMPANY, (LIMITED) Peterborough, Ont.

WM. H. LAW, Manager 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: 2,000 TONS PER ANNUM.

D. BAER & CO.

BUILDERS OF THE

Bear Patent

COMBINATION - BRIDGE DOON, ONT.

All communications promptly answered.

Prices of Building Materials.

CONDITION OF THE MARKET

With the country trade the demand for building supplies is keeping up fairly well, but there has been no marked improvement in the city trade. General hardware is moving freely, the demand being mostly for shelf goods. A moderate jobbing improvement is reported in lead pipe and galvanized iron. Iron pipe is quiet and prices remain unchanged. The arrivals of cement in Montreal for last week were 2,300 barrels of Belgian. The total receipts at that port for the season up to date are 36,750 barrels of English and 15,025 Belgian, as against 63,800 and 15,975 barrels last year. Business in that line is very limited. The price of glass is unsatisfactory, and cutting is being practiced. We quote \$1.20 to \$1.25 for first break.

LUMBER.

CAR OR CARGO LOTS.

Toronto. Montreal.

Table listing lumber prices for various types of wood, including clear picks, Am ins., and various shingles.

YARD QUOTATIONS.

Table listing yard quotations for mill cull boards, shipping cull boards, Hemlock scantling, and various sizes of lumber.

Table listing prices for cutting up planks, flooring, and various types of shingles.

Toronto. Montreal.

Table listing prices for White ash, Black ash, Dressing stocks, Picks, and Three uppers.

BRICK-M

Table listing prices for Common Walling, Good Facing, and Sewer.

Pressed Brick, Per M:

Table listing prices for Red, Buff, Brown, Roman Red, and other pressed brick types.

Table listing prices for Roof Tiles, Hip Tile, and Ridge Tile.

Table listing prices for Red 'A', Red 'B', Red 'C', Trojan and Corinthian, Pompeian, Athenian and Egyptian, Tyrian, Sicilian, Roman, Carthaginian, and Ornamental bricks.

Table listing prices for 1st quality, 2nd, and 3rd quality f.o.b. at Port Credit.

SAND.

Table listing price for Per Load of 1 1/2 Cubic Yards.

STONE.

Table listing prices for Common Rubble, Large flat Rubble, Foundation Blocks, Kent Freestone Quarries, and other stone types.

Table listing prices for River John, N. S., brown Freestone, Ballochmyle, New York Blue Stone, Granite, and other stone products.

Table listing prices for Credit Valley Brown Coursing, Credit Valley Brown Dimension, and other stone products.

Table listing prices for Madoc Rubble, Madoc dimension floating, Ohio Freestone, and other stone products.

Table listing prices for Roofing (square), Terra Cotta Tile, and Ornamental Black Slate Roofing.

SLATE.

Table listing prices for Red, Purple, Unfading green, Black, and other slate types.

PAINTS. (In oil, lb.)

Table listing prices for White lead, Red lead, Venetian, Vermillion, Indian, Yellow ochre, Yellow chrome, Green chrome, Black lamp, Blue, Ultramarine, Oil, Linseed, Putty, Whiting, Paris white, Litharge, Sienna, and Umber.

CEMENT, LIME, etc.

Table listing prices for Cement, Portland, German, London, and Newcastle.

Toronto. Montreal.

Table listing prices for Cement, Belgian, Canadian, Roman, Parian, Superfine, Thorold, Queenston, Napanee, Hull, Keene's Coarse Whites, Calcined plaster, Fire Bricks, and Scotch.

Table listing prices for Lime, Per Barrel, Grey, White, and Plaster, Calcined, N. B., N. S., Hair, Plasterers', per bag.

HARDWARE.

Table listing prices for Cut nails, Steel, and various sizes of nails.

Table listing prices for CUT NAILS, FENCE AND CUT SPIKES, 40d, hot cut, per 100 lbs.

Table listing prices for 30d, 20d, 16d and 12d, hot cut, per 100 lbs., 10d, hot cut, per 100 lbs., 8d, 9d, 6d, 7d, 4d to 3d, Sicilian, 2d to 3d cold cut, not polished or blued, per 100 lbs., 3d to 5d cold cut, not polished or blued, per 100 lbs.

Table listing prices for FINISHING NAILS, 3d, per 100 lbs., 2d, and 1d.

CASING AND BOX, FLOORING, SHOOK AND TOBACCO BOX

Table listing prices for 12d to 30d, per 100 lbs., 10d, 8d and 9d, 6d and 7d, 4d to 5d, 3d.

Table listing prices for FINISHING NAILS, 3 inch, per 100 lbs., 2 1/2 to 2 3/4, 2 to 2 1/2, 1 1/2 to 1 3/4, 1 1/2, 1.

Table listing prices for SLATING NAILS, 5d, per 100 lbs., 4d, 3d, 2d.

Table listing prices for 5d, per 100 lbs., 4d, 3d, 2d.

Architects.

Table listing architects and their addresses, including Ontario Directory, Quebec Directory, and various architectural firms.

Art Woodwork.

Table listing art woodwork firms and their addresses, including Knechtel, Wagner, Zeidler & Co., and others.

Bricks (Pressed).

Table listing brick manufacturers and their addresses, including Beamsville Pressed Brick Co., Morris, E. D., and others.

Builders' Supplies.

Table listing builders' supply firms and their addresses, including Bremner, Alex., Currie & Co., W & F.P., and others.

Builders' Hardware.

Table listing builders' hardware firms and their addresses, including Rice Lewis & Son, Toronto Lock Co., and others.

Church and School Furniture.

Table listing church and school furniture firms and their addresses, including Bostwick, Geo. F., Can. Office & School Furniture Co., and others.

Toronto. Montreal.

Table listing prices for COMMON BARREL NAILS, 1 inch, per 100 lbs., 3/4 inch, per 100 lbs., 1/2 inch, per 100 lbs., 1/4 inch, per 100 lbs.

Table listing prices for CLINCH NAILS, 1/2 and 3/4 inch, per 100 lbs., 3/4 and 1 inch, per 100 lbs., 1 inch, per 100 lbs., 1 1/4 inch, per 100 lbs., 1 1/2 inch, per 100 lbs., 1 3/4 inch, per 100 lbs., 2 inch, per 100 lbs.

SHARP AND FLAT PRESSED NAILS.

Table listing prices for 3 1/2 and 2 1/2 inch, per 100 lbs., 2 and 2 1/4 inch, per 100 lbs., 1 1/2 and 1 1/4 inch, per 100 lbs., 1 1/4 inch, per 100 lbs., 1 inch, per 100 lbs.

Table listing prices for STEEL WIRE NAILS, Steel Wire Nails, 75, 10 and 5 % discount from printed list.

Table listing prices for Iron Pipe, Iron pipe, 1/2 inch, per foot, 3/4 inch, per foot, 1 inch, per foot, 1 1/4 inch, per foot, 1 1/2 inch, per foot, 2 inch, per foot.

Table listing prices for Black wrought iron pipe, Galvanized, Cast and soil.

Table listing prices for Lead Pipe, Lead pipe, per lb., Waste pipe, per lb., Discount, Toronto and the West, 30 % off in small lots; 30 and 10 % off in ton lots; points east of Toronto, 35 and 10 % off.

Table listing prices for Galvanized Iron, Adam's-Mar's Best and Queen's Head, 6 to 24 gauge, per lb., 26 gauge, 28 gauge, Gordon Crown, 16 to 24 gauge, per lb., 26 gauge, 28 gauge.

Table listing prices for Structural Iron, Steel Beams, per 100 lbs., channels, angles, tees, plates, Sheared steel bridge plate.

INDEX TO ADVERTISEMENTS In the "Canadian Architect and Builder."

Large index table listing various advertisements and their page numbers, including Architects, Cements, Heating, Roofers, Reproduction of Drawings, Sanitary Appliances, Mantels, Metal Lath, Mortar Colors and Shingle Stains, Sliding Blinds, Statued and Decorative Glass, Paints and Varnishes, Plumbers, Parquet Floors, Roofing Materials, Grates and Tiles, and various other categories.