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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

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.

MAY 3, 1894

No. 13

THE CANADIAN CONTRACT RECORD,
PUBLISHED EVERY THURSDAY
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,

CONFEDERATION LIFE BUILDING, TORONTO.
Telephone 2362.

New York Life Insurance Building, Montreal.
Bell Telephone 2299.

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. Ferrault, 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."

Subscribers who may change their address should give prompt notice of same. In doing so, give both old and new address. Notify the publisher of any irregularity in delivery of paper.

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.

Price, \$1.50; to subscribers of the CANADIAN ARCHITECT AND BUILDER, \$1.00. Address

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BARTER AND EXCHANGE.

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.

RATES—12 words and under, 15 cents; each additional word, 1 cent (three figures count one word); on two or more subsequent insertions a discount of 10 per cent. will be allowed. Not more than four insertions of an advertisement can be granted.

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.

Sealed tenders will be received at my office up to 5 o'clock on TUESDAY, MAY 15TH, for the

ELECTRIC LIGHTING

of the City of London, for a term of 1, 3, 5 or 8 years. Plans and Specifications may be seen at my office.

Aid. E. PARNELL, A. ORMSBY GRAYDON,
Chairman No. 1 Committee. City Engineer.

TO DRAIN CONTRACTORS.

Sealed tenders will be received by the Municipal Council of the township of Grey, up to

MONDAY, MAY 21ST, 1894

For the construction of a drain under the Municipal Act. Estimated cost about \$14,000. Plans and specifications can be seen at the Clerk's office, Ethel, or at the office of Jas. A. Bell, C. E., St. Thomas, on and after May 10th, 1894. Printed forms for tenders can be procured from same parties. A marked check for \$400 must accompany each tender, to be forfeited in the event of successful tenderer failing to sign agreement for completion of the work. Security to be given for completion of the work. No tender necessarily accepted.

WILLIAM MILNE,
Reeve, Ethel P. O., Ont.

NOTICE TO CONTRACTORS.

Sealed tenders, addressed to the undersigned and endorsed "Tenders for the Iron Work of the Girder Iron Bridge over the Bonaventure River in the Village of Renfrew," will be received until MONDAY, THE 21ST DAY OF MAY, A.D. 1894, at 12 o'clock noon.

Plans and specifications can be seen at the office of the undersigned, in the village of Renfrew, or of J. L. Morris, C.E., Pembroke.

Each tender must be accompanied by an accepted bank cheque made payable to the order of James Craig, Reeve of Renfrew, equal to five per cent. of the amount of the tender, which will be forfeited, if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender is not accepted the cheque will be returned. This Corporation does not bind itself to accept the lowest or any tender.

By order,
JAS. K. ROCHESTER,
Clerk of Village of Renfrew

Renfrew, April 9, 1894.



NOTICE TO CONTRACTORS

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to 11 o'clock a.m., on Saturday, May 12, 1894, for a concrete sidewalk on Sherbourne Street.

A SEWER

on North Crawford Street, from the Garrison Creek to Bloor Street.

Specifications may be seen and forms of tender obtained on and after Saturday, May 5th, 1894, at the office of the City Engineer. A deposit in the form of a marked cheque payable to the order of the City Treasurer, for the sum of 5 per cent. on the value of the work tendered for under \$1,000, and 2½ per cent. on the value of the work tendered for 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.

DANIEL LAMB,
Chairman Committee on Works,
Committee Room, Toronto, April 30, 1894.

CONTRACTS OPEN.

PORT ARTHUR, ONT.—Mr. A. Ross, jeweller, will erect a new block this summer.

STRATFORD, ONT.—The City Council has decided to purchase a road making machine.

BEETON, ONT.—Five stores and some private residences are to be erected here this summer.

ORILLIA, ONT.—The Trustees of the Methodist church have resolved to enlarge the church building.

AMHERSTBURG, ONT.—Mr. W. H. McEvoy will put in an electric light plant to light the streets of the town.

WOODSTOCK, ONT.—The Board of Works will shortly ask for tenders for a concrete walk on Graham street.

PETROLEA, ONT.—We understand that the construction of waterworks for the town will shortly be proceeded with.

REGINA, N. W. T.—The post office inspector will recommend the erection of an addition to the post office building.

CLINTON, ONT.—A deputation recently interviewed the Dominion Government urging the erection of a new post office here.

ST. HENRI, QUE.—The ratepayers have sanctioned the by-law to borrow the sum of \$200,000 for permanent improvements.

STRATHROY, ONT.—An item of \$7,500 for a western dairy school in this town has been passed by the Ontario Legislature.

FORT MCLEOD, N. W. T.—Bishop Pinkham has received an offer of \$5,000 towards the erection of an industrial school here.

VANCOUVER, B.C.—The site is being prepared for a new church at French Creek. Rev. C. E. Cooper is providing the necessary funds.

PARRY SOUND, ONT.—Tenders are being invited by Mr. D. Macfarlane, Secretary School Board, for the erection of a school house in this town.

NORTH PELHAM, ONT.—Mr. E. S. Atkins, of Fenwick P. O., will receive tenders until to-morrow, (Friday), for the building of a manse here.

GALT, ONT.—Mr. Mellish, architect, will shortly prepare plans for a three-story hotel to be erected on the site of the present Victoria House. It will be built of red brick and faced with Credit Valley stone.

MANOTICK, ONT.—Tenders are invited by Mr. Geo. Clark until the 22nd inst. for the erection of a tower and spire on St. James church. Plans may be seen by applying to Mr. W. Clapp.

SARNIA, ONT.—Mr. H. G. Phillips, architect, is inviting tenders for the erection of an hotel for Mr. J. Peterson. Tenders are being invited by the Secretary, Mr. J. M. Gibson, for the erection of a brick addition to the Bridgen public school.

YARMOUTH, N. S.—Mr. Hiram Goudey, town clerk, invites tenders until the 10th inst. for constructing a distributing reservoir, 125 ft. long, 125 ft. wide, and 18 feet deep.

COLLINGWOOD, ONT.—Plans have been prepared for suitable buildings for the Collingwood Meat Company, and contracts will be awarded in a few days. Forty-five acres of land on the west side of the town have been secured.

PRESCOTT, ONT.—Mr. Willis Chipman, C. E., in his report on the cost of a sewerage system for this town, urges the necessity for the construction of water works also. He estimates the cost of the former at \$25,000 and the latter at less than \$50,000.

ST. ALBANS, QUE.—About \$300,000 damage was caused by a landslide which occurred here on the 27th ultimo. Mr. Andy's house, Gorrie's mill, Mr. Gouthier's house, and three or four others were swept away, together with the highway bridges at St. Casimir, St. Anne and St. Albans.

SEAFORTH, ONT.—Messrs. Scott Bros., who recently purchased the electric light plant from the town, are making arrangements to erect a brick power house on Main street. They will also put in two large boilers and a new engine, and will add a complete system of incandescent machinery and lights.

QUEBEC, QUE.—D. Cuellet, architect, is preparing plans for a new school to be built in the parish of Tadoussac, Saguenay, to be a frame building, bricked outside, wood finish inside, size 36 x 30 ft., two storeys, cost \$3,000. Messrs. Renfrew & Co. are said to be considering the extension of their establishment on Ste. Anne street.

MEAFORD, ONT.—Mr. J. Badgerow invites tenders on behalf of the corporation until Saturday, the 5th inst., for the construction of the wooden abutments for a steel bridge over the Big Head River, in accordance with plans prepared by the Central Bridge and Engineering Co., of Peterboro, and which may be seen on application to Mr. Badgerow.

OTTAWA, ONT.—Mr. J. H. Balderson, Secretary Department of Railways and Canals, invites tenders until Monday, the 14th inst., for the construction of a steel bridge, composed of one span of 187 feet, and a fixed span of 22 feet, to carry the Canada Atlantic Railway over the Soulanges canal and public highway. Plans may be seen at the office of the Chief Engineer of Railways and Canals in this city.—The Central Canada Fair Association have decided to add a new wing to the machinery hall. An agreement has been arrived at between the Counties of Prescott and Russell and the Canadian Pacific Railway Company, by which the company agrees to expend \$100,000 within eighteen months in extending the Montreal and Ottawa railway from Point Fortune, and a further sum of \$100,000 within two years and a half.

BRANTFORD, ONT.—The motion made in the courts on behalf of Mr. James Grace to quash by-law No. 504 of the city of Brantford, passed 16th April, 1894, providing for the issue of debentures to raise \$61,000 for the construction of sewers, on the ground that it was not submitted to the electors, and on other grounds has been dismissed.

HAMILTON, ONT.—The Board of Education have selected a site on Sophia street for the proposed new school. The recommendation of the Board of Works to engage Mr. F. B. Rae, of Detroit, to make an estimate of the cost of installing an electric light plant, was struck out by the Council at its meeting on Monday last. A new surgical wing is to be erected to St. Joseph's hospital. Mr. A. W. Peene, architect is inviting tenders until to-day (Thursday) for the erection of two houses on Hughson street south. Building permits have been granted as follows: O. A. Horning, pr. 2 story brick dwellings on Grove street, between Wellington and Liberty streets, cost \$4,000; John Lowery, pr. 2 story brick dwellings on Emerald street, between Cannon and Robert streets, cost \$2,000; Mrs. Reid, 2 story brick dwelling on Rebecca street, between Mary street and Ferguson avenue, cost \$1,200.

MONTREAL, QUE.—The architect for the Canada Life Assurance Company's new building to be erected on the corner of St. Peter and St. James streets, is Mr. Richard Waite of Buffalo. The building will cost about half a million dollars and will be nine storeys high.—Mr. C. S. St. Jean, architect, is preparing plans for a Catholic church at Upton.—Architects have been invited to submit competitive plans for the proposed Masonic Temple, to be erected on Dorchester street.—The Market Committee of the City Council is considering a scheme to abolish the St. Annes and the old St. Antoine markets, and to replace both by a new building, to cost about \$90,000. If this project is not carried out, the St. Antoine market will be rebuilt at a cost of \$10,000.—Messrs. Dunlop & Heriot are preparing plans for the erection of the tower of St. George's church, which will be 120 feet high. A new system of ventilation will also be introduced, the whole to cost \$20,000. The same architects are preparing plans for a row of stores to be erected on the old Erskine church property. The building will be erected to the height of one storey at present, but it is the intention to add four or five storeys later on, for the accommodation of a first class hotel. A large warehouse on Common street for Mr. James Wilson will also be erected from plans prepared by Messrs. Dunlop & Heriot.—Messrs. Perrault, Mesnard & Venne, architects, are preparing plans for a number of large buildings to be erected this summer, among which is a new theatre, which will cost in the neighborhood of \$75,000. The site has not yet been selected by the promoters, but the corner of Bleury and St. Catherine streets is spoken of, also the site of the present Theatre D'Opera Francais, corner of St. Dominique and St. Catherine streets; should the latter site be chosen, a row of stores would be erected on St. Catherine street in connection with the project. A resolution has been adopted by the promoters of the permanent fever hospitals, recommending the Local Board of Health to proceed at once to select a site, in order that the architects may estimate the cost of drainage and water supply. The architects chosen are Messrs. Perrault & Mann.—New tenders are asked by the Superintendent of Waterworks until the 8th inst. for supplying and erecting a double horizontal turbine and power pumps. The sum of \$45,000 has been subscribed toward the reconstruction of the Montreal General Hospital.—Mr. Resther, architect, has prepared plans for a new armory for the Mount Royal Rifles. A site has been selected, and work will be commenced at an early date.—Mr. L. J. Seargeant, General Manager Grand Trunk Railway, invites tenders until May

31st for stores of various kinds required by the company at Montreal, London, Hamilton and other places, for twelve months from 1st July.

TORONTO, ONT.—At the meeting of the City Council on Monday last, it was decided to issue debentures for \$50,000 to provide funds for the erection of new school buildings in various parts of the city.—The City Engineer has reported to Council that the cost of constructing a system of waterworks for the island would be in the neighborhood of \$60,000. In regard to the application of Mr. Frank Turner, C. E., for permission to construct a system, he recommends that the city own and operate its own works on the island, and that the request be not granted.—An asphalt pavement is recommended on Winchester street, from Parliament street to Ontario street, at a cost of \$7,440.—The Toronto Golf Club have about completed the purchase of 30 acres of the Fernhill estate which the club has had leased for a number of years. It is the intention of the club to erect a new club house and make other improvements thereon.—We learn that the New England Theatre Company, of Boston, Mass., has purchased the Davidson property on the corner of Spadina avenue and Sullivan street and propose to erect a first-class modern theatre, at a cost of \$100,000. Mr. H. Bridgewater, is acting as agent for the company, in Toronto. It is reported that Messrs. Darling, Sproatt & Pearson, architects, will prepare the plans, and that it will be a three-story brick structure, with brown stone facings.—The Ontario Legislature have sanctioned the following railway subsidies: \$3,000 per mile to the Irondale, Bancroft & Ottawa Railway Company, from a point near Irondale easterly for a distance of fifteen miles; \$7,500 per mile to the Northern & Pacific Junction Railway Company, for a spur line from a point near Burk's Falls, to connect with the navigation of the Maganetawan River, a distance of about one and a half miles; \$3,000 per mile to the Ottawa, Arnprior & Parry Sound Railway Company for a line from Barry's Bay, a distance of thirty five miles; \$3,000 per mile to the Ontario & Rainy River Railway Company, from a point near Land Lake to a point near Moss Township and Kawawagomog River, a distance of 35 miles.—Tenders will be asked by the Board of Works for Siemens & Adams meters, to be manufactured in Toronto.—An item of \$15,000 to purchase two diamond drills for mining has passed the Ontario Legislature.—Building permits have been granted as follows: J. Clark, pr. s. d., 2 story and attic bk. dwellings, e. side Markham st., w. of Arthur st., cost \$4,500; Land Security Co., alterations to building, e. of Y. M. C. A. Hall, cor. Queen st. and Dovercourt Rd., and 1083 to 1093 Queen st. w., cost \$7,000; M. Findlay, extension to dwelling, 345 Markham st., cost \$1,400; Jos. Tilt, alterations to hotel, 112 and 114 Queen st. w., cost \$1,200; T. R. Earles, pr. s. d., 2 story and attic bk. dwellings, 423 and 425 Markham st., cost \$7,000.

FIRES.

The public school building at Watford, Ont., was destroyed by fire on Monday last. Insurance, \$2,200.—W. C. Chit's store at Aurora, Ont., was burned a few days ago. Loss, \$3,800; insurance, \$2,600. Moore & Macdowell's extensive saw mills near Edmonton, N. W. T., were burned on the 28th inst. Loss, \$9,000; no insurance.—A five-story brick and stone building situated on Notre Dame street west, Montreal, and owned by Laporte & Martin, was destroyed by fire a few days ago. The loss on the building, including stock, will be in the neighborhood of \$150,000, which is partially covered by insurance.—An hotel at Cheltenham, Ont., occupied by Mr. Oakes, was burned last week; insurance \$1,300.—A. McKeegan's residence at Strathroy, Ont., and Fawcett's sash and door factory, were destroyed by fire on the 28th April. Loss on factory, \$3,000; no insurance.—The

Town Hall at Brampton, Ont., was destroyed by fire on Tuesday last.—J. C. Morden's store and residence at Green'sville, Ont. was burned recently. Loss, \$2,500; insurance, \$1,500.—The pattern shop of the Royal Electric Co., Montreal, together with the 15,000 horse power incandescent light machine, was destroyed by fire on the 1st inst. The loss will reach \$60,000, which is covered by insurance.

CONTRACTS AWARDED.

WAUBAUSHENE, ONT.—Mr. Eaton, of Orilla, has secured the contract to erect a number of houses in this village.

OWEN SOUND, ONT.—The tender of R. Clark, at \$2,040, has been accepted by the Council for alterations to the Town Hall.

MEAFORD, ONT.—The Central Bridge & Engineering Co., of Peterboro', have been awarded the contract for erecting a steel bridge over the Big Head River, their tender being \$1,230.

GUELPH, ONT.—The Board of Works have accepted the tender of the Guelph Silica Barytic Stone Co. for the construction of stone pavements, the prices being 13 cents for walks and 18½ cents for crossings.

OTTAWA, ONT.—The contract for the new Lazaretto at Tracadia, N. B., has been let by the Public Works Department to Mr. William Stewart, of this city. The contract price is in the neighborhood of \$40,000 or \$55,000. Work will be commenced immediately.

HAMILTON, ONT.—Mr. J. J. Morehouse, the smelting works prospector, informs us that the contract for the smelting works plant has been awarded to the Philadelphia Engineering Co. of Philadelphia, at the contract price of \$360,000, and that the work is to be finished by January, 1895.

HALIFAX, N. S.—Messrs. Gordon & Keith, of this city, have been awarded the contract for furnishing the new hotel at Sydney, C. B. The contract will amount to about \$10,000.—The tender of H. H. Fuller & Co. for the supply of cement has been accepted by the Board of Works. About 2,000 barrels will be required.

COLLINGWOOD, ONT.—The Town Council have accepted the tender of Mr. Geo. J. Scott, of Oshawa, for an electric fire alarm system, at the price of \$528. The other tenders received were as follows: A. Anderson, Toronto, \$527.50; Bell Telephone Co., Toronto, \$547.18; T. W. Ness, Montreal, \$600.00; Ahearn & Soper, Ottawa, \$677.35.

QUEBEC, QUE.—D. Ouellet, architect, has awarded the following contracts: The rebuilding and inside finish of a sacristy to St. Andrew to Jos. Gosselin, of Levis, value \$7,500; inside finish and decoration of the R. C. Church in the parish of Becumont to the same contractor, value \$6,500. The building of a new stone sacristy in the parish of Ste. Louise, Islet, to M. Wm. Bernier, of St. John, Port Joli, Islet, value \$4,000.

TORONTO, ONT.—At the last meeting of the Board of Works, the contract for an asphalt pavement on Queen street, from Yonge street to River street, was awarded to the Construction and Paving Co., their tender being \$72,990. The other tenders received were: Warren Scharfe Co., \$73,850; Connolly & Co., \$74,372; Trinidad Asphalt Refining Co., New York, \$75,562. Tenders for bricks were awarded to Wagstaff & Co. at \$6.15 per thousand, east of Yonge, and to John Price, at \$6.70 per thousand, west of Yonge. The Rathbun Co., was awarded the contract for the Star brand of cement at 64 cents per 100 lbs.

Messrs. Head & Bossons, architects and contractors, Portage la Prairie, Man., have dissolved partnership.

Mr. J. L. Wells, President of the American Plumbing Company, of Winnipeg, has decided to remove to Brandon and is closing up his business in the former place.

NEW COMPANIES.

MONTREAL, QUE.—Wood Vulcanizing Co., seeking incorporation, capital \$75,000.

TORONTO, ONT.—Niagara River Tramway Co., seeking incorporation; capital \$40,000: to build a cable Tramway across the Niagara River; incorporators, John Flett and Joseph Tait, M. P. P., Toronto, R. N. Campbell, of Niagara Falls, and others.

STONE-WORK.

Stone walls are measured by the perch (24½ cubic feet). Openings less than 3 feet wide are counted solid: over 3 feet deducted, but 18 inches are added to the running measure for each jamb built. Arches are counted solid from their spring. Corners of buildings are measured twice. Pillars less than 3 feet are counted on 3 sides as lineal, multiplied by fourth side and depth.

It is customary to measure all foundation and dimension stone by the cubic foot. Water tables and base courses by lineal feet. All sills and lintels or ashlar, by superficial feet, and no wall less than 18 inches thick.

The greatest safe load on super. foot on

Granite Piers.....	= 40 tons.
Lime stone Piers.....	= 25 "
Sand stone Piers.....	= 15 "
Brickwork in cement.....	= 3 "
Rubble Masonry.....	= 2 "
Lime Concrete Foundations.....	= 2½ "

The height of brick or stone piers should not exceed 12 times their least thickness at base.

MUNICIPAL DEPARTMENT.

TORONTO JUNCTION SEWERAGE SYSTEM.

Mr. Willis Chipman, C.E., has published his final report on the sewerage system of the town of Toronto Junction, showing the total length of sanitary sewers to be 6.57 miles; of combined sewers 0.27 miles; and of storm sewers 3.96 miles; number of manholes, of which 11 are double, 143; flush tanks, 26; catch basins, 100; lamp-holes, 440. The average cost per foot of sanitary sewers was \$1.78; of combined sewers, \$4.21; of storm sewers, \$2.45; of sewer system, \$2.08. Mr. Chipman, in his report makes acknowledgement of the assistance rendered to him by ex-Mayor Pears, ex-Chairmen Hoover and Wright, Mr. Abrey, Town-Engineer; Mr. Leigh, Town Clerk; Mr. Clemmer, Town Treasurer; and Mr. A. L. McCulloch, C.E., Resident Engineer.

The flow of water through new cast-iron pipe was recently measured by S. Ben-Russell, of the St. Louis, Mo., Water-Works. The pipe was 12 inches in diameter, 1,631 feet long, and laid on a uniform grade from end to end. In a letter to John C. Trautwine, Jr., Mr. Rusell states that as there was an opportunity to make some pretty accurate measurements of the discharge of the pipe, he had the necessary observations carried out and found that under an average total head of 3.36 feet the flow was 43,200 cubic feet in seven hours; under an average head of 3.37 feet the flow was 46,700 cubic feet in eight hours and 35 minutes. Making allowance for loss of head due to entrance and to curves it was found that the value of c in the formula $v=c\sqrt{r\ s}$ was from 88 to 93.

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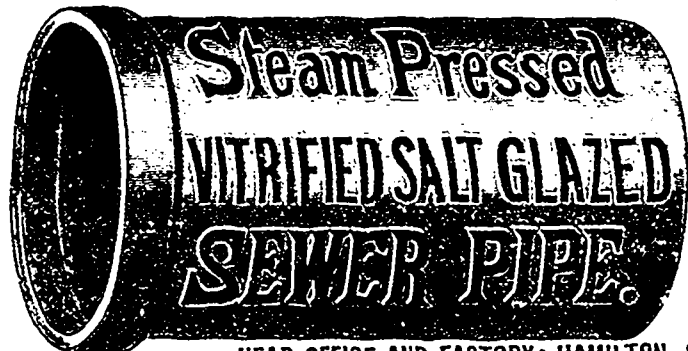
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are made use of for deadening sound in floors and partitions, insulation of heat and cold, fireproofing, etc., also SECTIONAL MINERAL WOOL COVERING for steam pipes, boilers, exposed water pipes, etc.

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Proved by Government tests to be the best Canadian natural cement. Write for prices, &c.

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Since first manufactured, in 1841, over ONE MILLION BARRELS of the Thorold Cement have been used in the important public works constructed by the Canadian Government. Thorold Cement was used exclusively in the construction of the old and new Welland Canals.

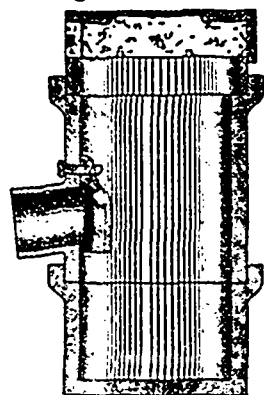
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of our Thorold Cement were used in the construction of the great St. Clair Tunnel, Joseph Hobson, Esq., Grand Trunk Railway, chief engineer, Wm. Gibson, Esq., M.P., contractor.

It is the best Hydraulic Cement for Abutments and Piers for Bridges, Concrete for Foundations, Cisterns, Cement Drain Pipe, Floors for Cellars and Stables, Sewers, and all Mason Work in moist or wet places.

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THE "IMPROVED" ST. GEORGE GULLEY
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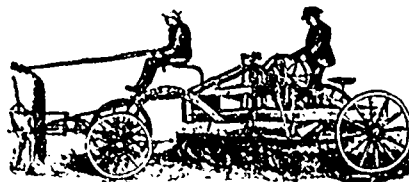
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BEST AND CHEAPEST IN TORONTO.
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WHITE HORSE, R. W., IMPERIAL, &c., FROM \$2.00 PER BARREL.
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CEMENT CONTRACTORS TO THE CITY OF TORONTO.
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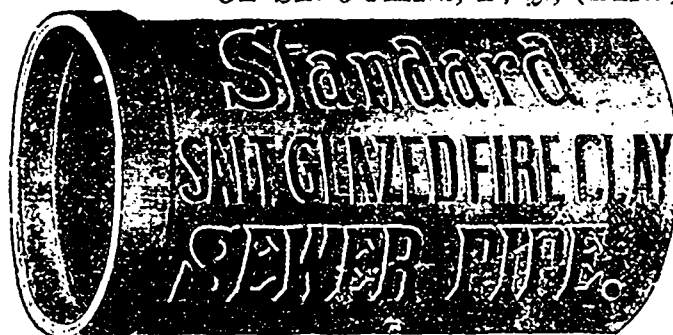
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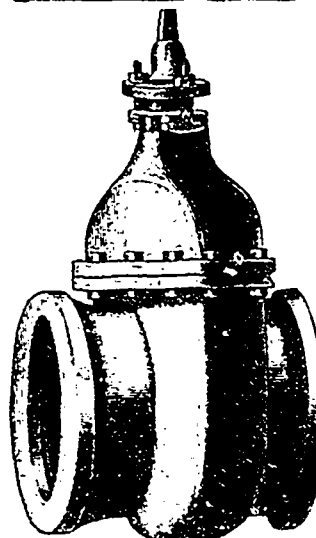
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Hydrants, Valves, Valve Boxes

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Tools for tapping mains under pressure
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RAILWAY AND HIGHWAY BRIDGES
Viaducts, Piers, Roofs, Turntables and
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Tension members forged without welds. Riveting
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Specialties: Good workmanship and strict adherence
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CAPACITY: 2,000 TONS PER ANNUM.

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All communications promptly answered.

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SANITARY EARTHENWARE
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Paving and Scoria Bricks for Stables,
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Large quantities on hand and to arrive. We handle
only the best quality. Prices lower than ever.

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THE "GRAHTRYX" SMOKE TEST AND
DISINFECTING MACHINE.

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Prices of Building Materials.

CONDITIONS OF THE MARKET.
No marked improvement in the demand for building
supplies has taken place, although the country trade is
said to be slowly improving, and favorable reports are
being received from the rural lumbering sections. It is
expected that building operations in Toronto this season
will not be remarkably brisk. There have been few
features in the cement market, only a fair movement in
small lots being noted, and no large transactions having
taken place. Prices consequently remain the same.
Paints and oils are unsettled, and keen competition is
going on between dealers. Business in glass shows some
disposition to improve, but notwithstanding this fact,
jobbers find it difficult to supply the demand, owing
to the depleted condition of stocks, and very few new
supplies being received.

LUMBER.

CAR OR CARGO LOTS.

	Toronto.	Montreal.
1 1/2 to 2 clear picks, Am ins...	33 00	40 00
1 1/2 to 2 three uppers, Am ins...	37 00	40 00
1 1/2 to 2, pickings, Am ins...	26 00	37 00
1 inch clear	26 00	30 00
3 x 10 and 12 dressing and	20 00	18 00
1 better	20 00	18 00
1 x 10 and 12 mill run	16 00	17 00
1 x 10 and 12 dressing	20 00	18 00
1 x 10 and 12 common	13 00	14 00
1 x 10 and 12 spruce culls	10 00	11 00
1 x 10 and 12 culls	9 00	10 00
1 inch clear and pickings	28 00	32 00
1 inch dressing and better	20 00	18 00
1 inch siding, mill run	14 00	15 00
1 inch siding, common	12 00	13 00
1 inch siding, ship culls	11 00	12 00
1 inch siding, mill culls	9 00	10 00
Cull scantling	8 00	9 00
1 1/2 and thicker cutting up	24 00	22 00
plank	24 00	22 00
1 inch strips, 4 in to 8 in. mill	14 00	15 00
run	11 00	12 00
1 inch strips, common	11 00	12 00
1 1/2 inch flooring	16 00	17 00
1 1/2 inch flooring	16 00	17 00
XXX shingles, sawn, per M	2 50	2 60
16 in.	2 50	2 60
XX shingles, sawn	1 50	1 60
Lath	2 40	2 50

YARD QUOTATIONS.

Mill cull boards and scantling	10 00	10 00
Shipping cull boards, promiscuous widths	13 00	13 00
Shipping cull boards, stocks	16 00	16 00
Hemlock scantling and joist up to 16 ft.	11 00	12 00
Hemlock scantling and joist up to 18 ft.	12 00	13 00
Hemlock scantling and joist up to 20 ft.	13 00	14 00
Cedar for block paving, per cord	5 00	5 00

Toronto. Montreal.

Cedar for Kerbing, 4 x 14, per M	14 00	14 00
Scantling and joist, up to 16 ft	14 00	14 00
" " " " 18 ft	15 00	15 00
" " " " 20 ft	16 00	16 00
" " " " 22 ft	17 00	17 00
" " " " 24 ft	19 00	19 00
" " " " 26 ft	20 00	21 00
" " " " 28 ft	22 00	23 00
" " " " 30 ft	24 00	25 00
" " " " 32 ft	27 00	27 00
" " " " 34 ft	29 00	29 00
" " " " 36 ft	31 00	31 00
" " " " 38 ft	33 00	33 00
" " " " 40 ft	34 00	36 00
Cutting up planks, 1 1/2 and thicker, dry	25 00	25 00
Cutting up planks, 1 1/2 and thicker, board	18 00	18 00
1 1/2 in. flooring, dressed, F.M.	26 00	28 00
1 1/2 inch flooring, rough, B.M.	22 00	22 00
1 1/2 " " " " " " " "	28 00	27 00
1 1/2 " " " " " " " "	19 00	18 00
1 1/2 " " " " " " " "	20 00	18 00
1 1/2 " " " " " " " "	12 00	15 00
1 1/2 " " " " " " " "	35 00	22 00
Clapboarding, dressed	12 00	12 00
XXX sawn shingles, per M	2 60	2 70
Sawn lath	2 50	2 50
Cedar	2 90	2 90
Red oak	30 00	30 00
White	45 00	35 00
Basswood, No. 1 and 2	38 00	30 00
Cherry, No. 1 and 2	70 00	70 00
White ash, No. 1 and 2	35 00	30 00
Black ash, No. 1 and 2	30 00	18 00
Dressing stocks	16 00	22 00
Picks, American inspection	30 00	40 00
Three uppers, Am. inspection	50 00	50 00
Common Walling	7 50	6 00
Good Facing	9 00	8 50
Sewer	8 50	9 00
Pressed Brick, Per M:		
Plain brick, f. o. b. at Milton	16 00	
" " " " and quality	14 00	
" " " " 3rd	9 00	
Hard Building	6 50	
Moulded and Ornamental, per 100	10 00	
Roof Tiles	24 00	
Diamond locking tile	16 00	
Red "A" f. o. b. Don Valley	18 00	25 00
Red "B" " " " "	16 00	20 00
Red "C" " " " "	13 00	17 00
Trojan and Corinthian	21 00	28 00
Pompeian	22 00	29 00
Athenian and Egyptian	25 00	31 00
Tyrian	35 00	41 00
Sicilian	40 00	45 00
Roman	35 00	40 00
Carthaginian	40 00	45 00
Ornamental	30 00	30 00
1st quality, f. o. b. at Port Credit	14 00	15 00
2nd " " " "	12 00	13 00
3rd " " " "	8 00	12 00
Hard building brick	6 50	
Ornamental, per 100	3 00	10 00

SAND.

Per Load of 1 1/2 Cubic Yards	1 25	1 25
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STONE.

Common Rubble, per ton, delivered	14 00	14 00
Large flat Rubble, per ton, delivered	18 00	18 00
Foundation Blocks, per c. ft.	50	50
Kent Freestone Quarries Moncton, N. B., per cu ft., f. o. b.	1 00	
River John, N. S., brown Freestone, per cu. ft., f. o. b.	95	
Ballochmyle	80	65
New York Blue Stone		1 05
Granite (Stanstead) Ashlar, 6 in. to 12 in., rise 9 in., per ft.		25
Moat Freestone	70	80
Thomson's Gatelawbridge, cu. ft.	75	80
Credit Valley Rubble, per car of 15 tons, at quarry	8 00	
Credit Valley Brown Coursing, up to 10 inch, per sup. yard, at quarry	1 75	
Credit Valley Brown Dimension, per cu. ft. at quarry	60	
Credit Valley Grey Coursing, per superficial yard	1 50	2 00
Credit Valley Grey Dimension, per cubic foot	75	85
Madoc Rubble, delivered, per ton	14 00	14 50
Madoc dimension floating, f. o. b. Toronto, per cubic ft.	20	32
Ohio Freestone, No. 1 Blue Promiscuous, f. o. b.	60	
No. 1 Blue Dimension	65	
No. 1 Buff Promiscuous	80	
No. 1 Buff Dimension	85	
The above prices means freight and duty paid.		
2 in. sawed flagging per sq. ft.	14 00	
2 1/2 " " " "	13 1/2	
3 " " " "	16 1/2	
4 " " " "	22	
5 " " " "	27 1/2	
6 " " " "	33	
Duty to be added to these prices.		
Quebec and Vermont rough granite for building purposes, per c. ft. f. o. b. quarry	33	1 50
For ornamental work, cu. ft.	35	2 0
Granite paving blocks, 8 in. to 12 in. x 6 in. x 4 1/2 in., per M	50 00	
Granite curbing stone, 6 in. x 20 in., per lineal foot	70	

SLATE.

Roofing (per square)		
" red	16 00	20 00
" purple	9 00	10 00
" unslating green	8 50	6 00
" black	8 00	7 50

Toronto. Montreal.

Terra Cotta Tile, per sq. ft.	12 00	
Ornamental Black Slate Roofing	8 00	
PAINTS. (In oil, 1/2 lb.)		
White lead, Can., per 100 lbs.	6 25	6 50
" zinc, Can., " "	6 50	7 50
Red lead, Eng., per 100 lbs.	5 1/2	6 1/2
" venetian, per 100 lbs.	1 60	1 75
" vermilion, " "	90	1 00
" Indian, Eng., " "	10	12
Yellow ochre	5	10
Yellow chrome	15	20
Green chrome	7	12
" Paris	2	40
Black lamp	25	25
Blue, ultramarine	25	20
Oil, linseed, raw, 1/2 Imp. gal.	65	68
" " " " boiled	65	71
" " " " refined	78	85
Putty	2 1/2	2 1/2
Whiting, dry, per 100 lbs.	75	1 00
Paris white, Eng., dry	90	1 25
Litharge, Am.	6 1/2	8
Sienna, burnt	15	20
Umber	8 1/2	12
CEMENT, LIME, etc.		
Cement, Portland, per bbl.	2 25	3 50
" English	2 75	2 05
" Belgium	3 25	1 90
" Thorold	1 50	
" Queenston	1 50	
" Napanee	1 50	
" Hull	1 50	
" German	3 25	2 65
" London	2 75	2 45
" Newcastle	2 50	2 35
" Belgian	2 30	2 40
" Canadian	2 30	2 25
" Roman		2 75
" Parian	4 50	4 75
" Superfine	6 50	7 00
Keene's Coarse "Whites"	4 50	4 75
Calced plaster, per barrel	1 55	1 70
Fire Bricks, Newcastle, per M	17 50	22 00
" Scotch	24 00	30 00
Lime, Per Barrel, Grey	40	
" White	55	
Plaster, Calced, N. B.	2 00	
" N. S.	2 00	
Hair, Plasterers', per bag	80	1 00
HARDWARE.		
Cut nails, 5 d & 6 d, per keg	2 40	2 25
Steel " "	2 50	2 35
CUT NAILS, FENCE AND CUT SPIKES.		
40d, hot cut, per 10 lbs	5	5
30d, " "	1	10
20d, 16d and 12d, hot cut, per 100 lbs	15	15

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10d, hot cut, per 100 lbs.	20	20
8d, 9d, " " "	25	25
6d, 7d, " " "	40	40
4d to 3d, " " "	60	60
3d, " " "	1 00	1 00
2d, " " "	1 50	1 50
4d to 5d cold cut, not polished or blued, per 100 lbs.	50	50
3d to 5d cold cut, not polished or blued, per 100 lbs.	90	90
PINK BLUED NAILS.		
3d, per 100 lbs.	1 50	1 50
2d, " "	2 00	2 00
CASING AND BOX, FLOORING, SHOOK AND TOBACCO BOX NAILS.		
12d to 30d, per 100 lbs.	50	50
10d, " "	60	60
8d and 9d, " "	75	75
6d and 7d, " "	90	90
4d to 5d, " "	1 10	1 10
3d, " "	1 50	1 50
FINISHING NAILS.		
3/4 inch, per 100 lbs.	85	85
2 1/2 to 2 3/4 " " "	1 00	1 00
2 to 2 1/2 " " "	1 15	1 15
1 1/2 to 1 3/4 " " "	1 35	1 35
1 1/4 " " "	1 75	1 75
1 " " "	2 25	2 25
SLATING NAILS.		
5d, per 100 lbs.	85	85
4d, " "	85	85
3d, " "	1 25	1 25
2d, " "	1 75	1 90
COMMON BARREL NAILS.		
1 inch, per 100 lbs.	1 50	1 50
3/4 " " "	1 75	1 75
1/2 " " "	2 25	2 25
CLINCH NAILS.		
3/4 and 2 1/4 inch, per 100 lbs.	85	85
2 and 2 1/4 " " "	1 15	1 15
1 1/2 and 1 3/4 " " "	1 35	1 35
1 1/4 " " "	2 00	2 00
1 " " "	2 50	2 50
SHARP AND FLAT PRESSED NAILS.		
3/4 inch, per 100 lbs.	1 35	1 35
2 1/2 and 1 3/4 " " "	1 50	1 90
2 and 2 1/4 " " "	1 65	1 65
1 1/2 and 1 3/4 " " "	1 85	1 85
1 1/4 " " "	2 50	2 50
1 " " "	3 00	3 00
Structural Iron:		
Ste. eam, per 100 lbs.	2 75	2 50
" channels, " "	2 85	2 60
" angles, " "	2 50	2 30
" tees, " "	2 80	2 65
" plates, " "	2 55	2 35
Sheated steel bridge plate	2 25	2 35

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