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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. 4.

JULY 27, 1893

No. 23

THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY THURSDAY

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

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C. H. MORTIMER, Publisher,

CONFEDERATION LIFE BUILDING, TORONTO.
Telephone 2362.

64 Temple 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.

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.

TO DRAUGHTSMEN.—About 1½ quires of Whatman's Drawing Paper for sale (Imperial size), only \$3.50 for the lot. Box 151 at this office.

COUNTY OF RENFREW

The corporation of the County of Renfrew propose to heat their buildings at Pembroke, consisting of the COURT HOUSE, (including all the offices therein), GAOL and REGISTRY OFFICE, with steam or hot water, this fall. Plans may be seen at the office of Wm. O'Meara, Esq., Chairman of the County Property Committee, Pembroke, by whom Tenders will be received up to the 15TH DAY OF AUGUST NEXT. Tenders must state price for both systems. Persons desiring to tender are invited to examine the buildings thoroughly before tendering.

S. E. MITCHELL,
County Clerk.
Pembroke, 3rd July, 1893.



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, AUGUST 5, 1893, for the construction of the following works:—

ASPHALT PAVEMENT

On Czar street, between Yonge and North sts.

CEDAR BLOCK PAVEMENTS

On Euclid place, from Euclid avenue to east end of place.

On Mansfield avenue, from Manning ave. to Clinton street.

TAMARAC PAVEMENT

On Scott street (double roadway) on concrete, from Front st. to Esplanade st.

CEMENT SIDEWALK

On west side of Sherbourne street, from Wilton avenue to Bloor st.

Specifications may be seen and forms of tender obtained on and after Tuesday, August 1st, 1893, 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 material tendered for under \$1,000, and 2½ per cent. on the value of the material 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 of Committee on Works.

Committee Room Toronto, July 25, 1893.

Notice to Contractors

CANADIAN CONTRACTORS' HAND-BOOK.

A new and thoroughly revised edition of the Canadian Contractors' 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

C. H. MORTIMER, Publisher,

Confederation Life Building, TORONTO.

John Scully, dealer in contractors' supplies, Front street west, Toronto, has assigned to W. A. Campbell. The assets amount to \$90,000, chiefly real estate, and the liabilities to \$60,000.

CONTRACTS OPEN.

PETROLEA, ONT.—A new M. C. R. station will shortly be erected here.

NORTH TORONTO, ONT.—Ratepayers are agitating for the establishment of a High School.

RAT PORTAGE, ONT.—A scheme is on foot to establish a summer hotel on an island at this place.

KINGSVILLE, ONT.—A committee has been appointed to enquire into the cost of a system of waterworks.

WHITBY, ONT.—Messrs. Post & Holmes, architects, are receiving tenders for two stores on Simcoe street, Oshawa.

BRANTFORD, ONT.—Mr. Gray, architect, of Toronto, is preparing plans for enlarging the First Presbyterian church.

SHERBROOKE, QUE.—The Bushnell Company, of Montreal, has been granted permission to erect oil storage tanks in this town.

EDMONTON, N. W. T.—The congregation of the Methodist church have decided to build a parsonage, at a cost of \$2,000.

FORT ERIE, ONT.—Mr. William Baldwin is about to erect a large building on his corner lot. It will be used as a general store.

OWEN SOUND, ONT.—A by-law will be submitted to the ratepayers of Keppel township to authorize the borrowing of \$5,000 to drain Shallow lake.

EGLINTON, ONT.—Mr. W. A. Clarke, Clerk, invites tenders until noon on the 7th of August for the purchase of \$5,000 worth of public school debentures.

ARTHUR, ONT.—The members of the Presbyterian church have decided to erect a new edifice, building operations to commence as soon as a site is secured.

GODERICH, ONT.—W. Proudfoot, Chairman Finance Committee, will receive proposals up to the end of August for the purchase of \$17,500 worth of debentures.

HORNINGS MILLS, ONT.—John McGhee invites tenders on behalf of the School Board for the erection of two brick school houses in school section No. 3, Melancthon.

WATERLOO, ONT.—At the last meeting of the Town Council it was resolved that a by-law be submitted to the ratepayers authorizing the construction of a trunk sewer.

IRURO, N. S.—A committee has been formed to canvass for subscriptions for the erection of a suitable memorial to the late Hon. Joseph Howe. Mr. James D. Ross is one of the most active members.

KINGSTON, ONT.—It is proposed to grant an additional sum of \$15,000 to extend Sydenham street from Princess to Johnson streets. The ratepayers will vote on the question on the 18th of August.

SPENCERVILLE, ONT.—A. Carmichael, Clerk, will receive tenders until the 2nd of August, for building a stone bridge on the front road between Johnstown and Cardinal, across what is known as Bowen's gully.

BERLIN ONT.—Mr. J. E. Seagram, of Guelph, has donated 14 acres of land at Greenbush for a hospital site. A committee has been appointed to secure the necessary funds to proceed with the erection of a suitable building.

QUEBEC, QUE.—The Harbor Commissioners will shortly commence the construction of the Pointe-a-Carey wharf, which is to be 76 feet in length. Next spring the dredging of the western part of the Louis basin will be begun.

NIAGARA FALLS, ONT.—John Robinson, Town Clerk, invites tenders until the 5th of August, for the purchase of \$16,000 of High School debentures, \$331.76 of Ellis street sewer debentures, and \$1,269.76 of Simcoe street sewer debentures.

LISTOWELL, ONT.—Owing to some delay in procuring the title of the site recently purchased, Messrs. Gillies & Martin, foundrymen, have as

yet been unable to proceed with their new buildings, but expect to have them under contract very shortly.

VICTORIA, B. C.—N. J. Dowler, City Clerk, invites tenders on behalf of the city for the purchase of debentures to the amount of \$85,000 in sums of \$1,000 each, payable in 50 years, also for the purchase of \$10,788 worth of local improvement debentures, payable in ten years.

WINNIPEG, MAN.—Mr. J. A. Platt invites tenders until noon on Saturday next for the erection of a manse for St. Andrew's church. Plans may be seen at the office of James McDermid architect. A by law to raise \$50,000 for two new schools has been defeated. The schools will be erected, however, as the money will be raised by a direct tax.

STRATFORD, ONT.—David G. Baxter, architect, is preparing plans for the following work: Addition to the Mansion House, this city, cost \$3,000, additions and alterations to Rebb's school, Downie, cost \$800; residence for Mr. Frank Ryan, cost \$2,000, spire for St. Joseph's church, cost \$5,000. Tenders for this work will be let about the 31st inst. The same architect is also receiving tenders until the 29th inst for additions to a large block of stores in St. Mary's and for a large warehouse in Hespeler.

HALIFAX, N. S.—Tenders are invited by the Board of Works until Monday, the 31st inst. for the excavation of a trench for a new low service main; W. B. McNutt, Clerk.—Phillip Thomson, City Treasurer, invites tenders until Thursday, the 17th day of August, for a loan of \$50,000 for the purpose of waterworks extension. At the last meeting of the Board of School Commissioners, plans for the proposed new school house on Kaye street, prepared by Mr. Henry Bush, were submitted and approved, and a committee authorized to call for tenders for the work. The architect's estimate of the cost is \$11,500.

MONTREAL, QUE.—Geo. Daoust, architect, has prepared plans for the erection of a large block of stores on St. Lawrence street. The estimated cost is \$300,000—Work is to be begun at once on the new Laval University on St. Denis street.—The ratepayers of the municipality of Coir St. Antoine have decided to borrow the sum of \$250,000 for public improvements.—Tenders are invited until noon to-day (Thursday) for the construction of the foundation beds of engines and boilers for the power house of the Montreal Street Railway, on William street. Plans may be seen at the office of Mr. J. R. Rhind, 405 Board of Trade Building.

TORONTO, ONT.—It is said that Dr. G. W. Emery, of Chicago, and some local capitalists propose to erect a new building, suitable for offices, etc., on the corner of Queen and Terauley streets, opposite the new court house. The cost is estimated at \$100,000.—A company is being formed of capitalists residing in the city of Toronto, East Toronto and the township of York, to construct and operate an electric railway connecting East Toronto village and its vicinity with the C. P. R., at a point on the loop line of that railway about a quarter of a mile south of the bridge over the Don river at Todmorden. It is proposed to extend the line over the G. T. R. on a high level crossing at Morton road to Balmly Beach, at the south end of Ashbridge's bay, where a wharf and warehouses will be constructed. The Court of Revision has confirmed the assessments for a granolithic sidewalk on the west side of Sherbourne street, from Wilton avenue to Bloor street.—Building permits have been granted as follows: Geo. Douglas, alterations and additions to 107 Manning ave., cost \$1,200. Toronto Incandescent Light Co., brick chimney at their works, Terauley street, cost \$5,000.

OTTAWA, ONT.—E. F. E. Roy, Secretary Department of Public Works, will receive tenders until Friday, the 11th day of August, for the several works required in erecting iron staircases at the Custom House in St. John, N. B. Plans can be seen at the above department, in this city, and at the office of W. J. McCordock, at St. John.—John Henderson, City Clerk, invites

tenders on behalf of the city for the purchase of \$600,000 of 20 years debentures and \$100,000 of 40 years debentures.—Tenders are invited by the Department of Public Works until Monday, the 31st inst., for the erection of a court house at Wolseley, N. W. T. Plans may be seen at the following places: E. A. Bamberly's office, Wolseley; Deputy Sheriff Murphy's office, Moosomin; Dominion Public Works office, Regina; and at the Department of Public Works in this city.—It is expected that steps will be taken shortly to commence the construction of a central depot at the canal basin.—The Board of Works has decided to issue debentures to the amount of \$30,000 to cover the cost of erecting a contagious disease hospital.—It has also been decided to construct a number of local improvement sewers.

HAMILTON, ONT.—Charles Mills, architect, is asking for tenders for the erection of two semi-detached dwellings.—It is rumored that the Grand Trunk Railway Company intends to build a new station in this city. A site is spoken of between King and Main streets.—It is said that the proprietor of the Arlington hotel, Toronto, is endeavoring to secure possession of Wesley Ladies college with a view of converting it into a first-class hotel.—The City Council is considering the question of increased water supply. Two schemes are being discussed, one to lay a new main from the beach and the other to build a high level reservoir at the head of James street. The cost of carrying out either of the schemes will be about \$100,000.—A building permit has been granted to John Brill for a two-story brick dwelling on the east side of Magill street, between Burton and York streets, cost \$1,100.—Tenders are invited by Mr. A. Stuart, City Treasurer, until Wednesday, the 4th of October for the purchase of \$2,300,000 of debentures, issued by the Corporation of the City of Hamilton, payable in 40 years with interest at 4 per cent.—Tenders have been asked by the City Clerk for constructing a pipe sewer on Crook street northerly from Barton street.

FIRES.

A number of buildings at Shediac, N. B., were destroyed by fire on the morning of the 22nd inst., among which were the following: the Methodist church, value \$3,000, insurance \$2,000, Union hotel, owned by E. J. Smith, value \$1,500, insurance \$500; Dr. J. H. White's residence, value \$1,800, insurance \$1,000; Stipendiary Magistrate Abercrombie's office, value \$1,200, insurance \$500; houses owned by Miss Kate Theal, value \$800, no insurance; hotel owned by Mr. Theal, value \$2,000, insurance \$1,200; the old post-office, value \$500, no insurance.—Mr. William Beatty's saw mill at Parry Sound, Ont., was destroyed by fire on Sunday morning last. Loss about \$10,000; partly covered by insurance.—A large roller mill at Pefferlaw, Ont., owned by Way & Co. and operated by F. Summerfeldt, was burned a few days ago. The loss on the building is placed at \$12,000, with an insurance of \$5,000.—Fire at Chesley, Ont., on Monday morning last destroyed Thomas Reid's livery stable, loss \$1,400, Dr. Johnston's stable and A. McConnell's implement store room.—The Farmer's Loan and Savings Company's building at Bethany, Ont., was destroyed by fire recently. It was occupied by Mr. James Dawkins, general store and Dr. P. C. Leslie, V. S.—The Laward flour mills of Ferdinand Demers, at St. Raymond, Que., were burned down on Saturday night last. The loss is estimated at \$5,000, on which there is an insurance of \$2,000.—The residence of Stephen O. Humphery, at Sunny Braie, a suburb of Moncton, N. B., was totally destroyed by fire on the 15th inst. Loss, \$5,000.—D. R. Ferris's planing mill at Levis, Que., was consumed by fire last week. The loss will be about \$15,000, with very little insurance.—Fire at Buctoche, N. B., on the 21st inst., destroyed buildings owned by C. Chase, V. D. Burke, Isaac Trenholme, E. J. Leblance and Mr. Jude. The total loss is estimated at \$15,000.—Two warehouses at Guelph, Ont., owned by John McCrea, have been destroyed by fire.—A disastrous fire occurred at St. Anne's Parade, a town about 45 miles west of the city of Quebec, on the 20th inst., causing loss to property amounting to about \$100,000. One of the bridges spanning the large river is burned, together with 40 houses. The saw mill of Mr. Clement and the cheese factories of Messrs. Richardson and Clement, as well as the residences of Messrs. Pleau, N. P. Barry, T. Bureau, A. Perron, Ed. Beribeau, M. Hannel, J. Godoin and Roy are amongst the burned buildings.—Elliott & Carscadden's paper box factory on Hagerman street, Toronto, was burned on Tuesday evening last. The building was owned by Buntin, Reid & Co., wholesale stationers. The total loss will be about \$3,000, on which there is an insurance of \$2,500.—R. Bartlett's planing mill at Campbellford, Ont., was destroyed by fire recently. Loss, \$1,300; insurance \$700.

CONTRACTS AWARDED.

VLENELY, ONT.—Messrs. Post & Holmes, architects, Toronto, have awarded the contract for a new Roman Catholic church to Messrs. McKechnie, of Durham, at the price of \$4,500.

TORONTO, ONT.—Messrs. Shannon & Whilans have been awarded the contracts for cedar block paving on Northumberland avenue, from Ossington to Preston avenue, at \$5,028; on Olive avenue, from Bathurst St. to Palmerston, ave. at \$1,288; and on Victoria crescent, from Dunn ave. to Jaunesson avenue, at \$2,532.

OTTAWA, ONT.—The contract for extending the wharf at Baie St. Paul has been let by the Public Works Department to Mr. L. Lemieux, of Levis, Que.—Messrs. Torney, Georgeson & Co., of this city, have been awarded the contract for heating, plumbing and galvanized iron work for the Bank of Ottawa building at Pembroke.

HALIFAX, N. S.—The School Board has accepted the tender of Mr. J. F. Corshon for repairs and addition to the Compton avenue school, at the price of \$3,945.—The contract for erecting the new Salvation army barracks at the corner of Brunswick and Prince streets has been awarded to W. Hames. The price will be about \$6,000. The building will be of brick, with freestone facing, and is to be ready for occupation by November 1st.

LISTOWEL, ONT. W. E. Binning, architect, has awarded the contract for Roll's new block to Bamford Bros., at the price of \$4,200. It will be a three-story building, with Beansville pressed brick fronts, and will be heated by hot air or hot water.—The contractors for improvements to the Bank of Hamilton building are Bamford Bros., carpenter work, Newart Bros., masonwork R. T. Kemp, cut stone, Andrew Hay, plastering; J. C. Campbell & Co. of Hamilton, will supply all the glass and do the painting, etc. The contracts for plumbing and hot water heating have not as yet been awarded. The whole work will cost in the neighborhood of \$2,500.

CONSTRUCTION IN QUICKSAND.

A lecture was delivered at the School of Mines, Columbia College, New York, recently, by Mr. R. L. Harris, C. E., on foundations, especially in regard to his method of hydraulic construction in quicksand and other fine materials. After alluding to various modern methods for difficult foundations as pneumatic, bucket dredged, contained caisson and the freezing process, the speaker described the especial subject of the lecture, structures in quicksand. He said that quicksand is a bane of engineers and builders. It has sunk millions of capital, and has caused the abandonment of extensive enterprises. I had known from observation that fine quicksand is widely scattered, but had no idea until recently that it is so extensively distributed. During the past six months I have received complaints of it from Puget Sound to Maine, and between the Gulf of Mexico and Canada, from the interior as well as near the great bodies of water. As cities build deeper, and municipal improvements go deeper still, we learn more of what is beneath than when our works were nearer the surface. The process of which I am to speak is proposed for upwards of twenty engineering sub-structures located in fifteen different states.

Upon some important work in Providence, R. I., an intercepting sewer 6 by 8 feet in diameter, a halt had been called on account of quicksand encountered. The contractors for the worst sections claimed that it was ruinous for them to proceed and had petitioned the City Council to release them from their contracts and cancel their bonds, which was consequently done. Nearly all the work and trials had been made by the usual methods of sheeting excavating and pumping out, reducing the water-level. These resulted in the sinking of considerable tracts of the forest surface 4 to 5 feet, carrying down forest trees, building material, &c. Experience promoted me to consider the reverse of these processes, that of pumping in material which should solidify the troublesome quicksand in place, while in its normal condition and before injurious subcurrents should be established, in fact, to make it its own protector. The problem was separated into three divisions, which, as they represent unknown quantities to be obtained, we will designate by the algebraic characters, x , y , z . These were, then, x , to find a cementing substance, fluid or otherwise, that should unite with and solidify this extremely fine and light, yet compact and hard quicksand, y , to form channels and chambers at any depth underground and of desired form without extensive disturbance of the surface or the neighbouring materials; z , to fill such chambers and permeate the interstices of the adjacent materials with the cementing substance x . The divisions y and z comprise a pretty riddle. It was to put a fluid, say, 40 feet into the earth and to low water-level in such a way that it shall mix with the material there for a defined area of, say, 12 by 30 feet, and

solidify the same, so that if an excavation is made a century hence that floor will be found as you now determine. Could a cementing fluid be forced through and into fine sand at a depth below the surface? Would it remain in a cavity already filled with incompressible water? Would it harden sufficiently within reasonable time under the buried conditions and in predetermined shape? Could the pipes be used and removed without being clogged or made useless? A trial was made on the work during the second week in March and in freezing weather, as bad as any experience during the winter. The answers to the queries suggested were satisfactory. The results, despite the adverse circumstances, were successful, and fully demonstrated the method, and that it would be under complete control. The engineers and contractors of the work promptly and cordially expressed their satisfaction with the trial and their confidence in the new method. The result is that x , y , and z are determined both theoretically and practically. The ultimate results should be far-reaching and of great benefit. The method is applicable not only to quicksands but to other sands and the finer earthy materials. The applications are innumeral, enabling engineers and builders to make constructions in many of the fine, loose or soft materials, largely of the substances themselves, at any depth below the surface of the adjoining material, as, for example, shafts, tunnels, bridge foundation or canal repairs, waterworks, sewers, harbors, shore protections, jetties, buildings, &c., and perhaps there may be found herein the solution of a difficult problem in rapid transit for cities.

INDIAN TEMPLES CHISELED FROM SOLID STONE.—Mayalipuram, India, is graced with seven of the most remarkable temples in the world, each of the unique places of worship having been fashioned from solid granite boulders. Some idea of their size may be gleaned from the fact that the smallest of the seven is twenty-four feet high, seventeen feet long, and twelve feet wide, and is divided into upper and lower stories. The "Hevasa-Goda Cla," the largest of the seven, is three and a half stories high, its outlines resembling those of an Atlantic steamship. The inside of the boulder has been chiseled away until the walls do not exceed eight inches in thickness. The two floors above that of the foundation are each about a foot in thickness, and seems as solid as the rock of ages. The upper stories are reached by a spiral stairway carved from the same piece of granite. The second largest of these single stone temples has a portico eleven feet wide and seventeen feet long, ornamented with four crouching lions and two elephants, all carved from the same boulder which goes to make up the main building.

MUNICIPAL DEPARTMENT.

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

According to the decision of the Supreme Court of Minnesota, in the recent case of The City of Chaska vs. Hodman, where the officers of a municipal corporation pay out its money upon a contract which the corporation has no power to make, the payment is not an act of the corporation, and it may recover the money paid.

TOWNSHIP OF PRESCOTT V. CONNELL.—The facts were that respondent's horses had been frightened by the effects of a blast and the respondent in endeavoring to prevent them from running away was hurt. The contention was that the injury was caused by the respondent voluntarily incurring danger, and not the blast. The courts below held against this contention. Judgment was given by the Supreme Court for respondent Connell, the appeal being dismissed, Gwynne dissenting. Connell was awarded \$3,000 in the court below.

VILLAGE OF NEW HAMBURG V. COUNTY OF WATERLOO.—This action in the Su-

perior Court was to decide as to the liability to maintain a bridge over a river running through the appellant village. The county is obliged by the law to maintain the bridge if the river is over 100 feet wide and whether it is or not is the question for decision. The trial judge held that it was; his judgment was reversed by the divisional court, and the court of appeal was equally divided when the case came before it.

THE COUNTY OF YORK V. CHAPMAN.—This was an action brought in the Superior Court by respondent for compensation for land encroached upon by what is known as the lake shore road in the county of York, the legislature having passed an old stakes and fences having disappeared. The act defining the boundaries of said road, the act allowed any action for compensation for the land encroached upon by the road as so defined to be brought within a certain time. The defence to the action was that the land claimed by the respondent was a part of the public highway as established by long-continued use and she could not claim compensation for it. The courts below held against this contention. The appeal of the county was dismissed.

CARRIERE VS. THE CORPORATION OF THE VILLAGE OF COTEAU LANDING.—The defendant by a resolution of its council of date 26th March, 1892, appointed plaintiff a member of such council to replace one Lalonde. This appointment was afterwards contested by one E. Bourbonnais and declared null by judgment of this court. Plaintiff now sues defendant in warranty for all the costs incurred upon said proceedings. The Superior Court at Montreal, before which the case was tried, cited article 706 of the Municipal Code in virtue of which defendant is to be held liable for all claims and damages arising out of the passing of its resolutions. Judgment for plaintiff condemning defendant to indemnify plaintiff for all costs and expenses arising out of the proceedings in the cause No. 1527 of the court with costs against defendant.

DEBENTURES WANTED.

Municipalities issuing debentures, no matter for what purpose, will find a ready purchaser by applying to G. A. STYERSON, 9 Toronto Street, Toronto, N.B.—Money to loan at lowest rates on first mortgage.

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NIAGARA FALLS AND
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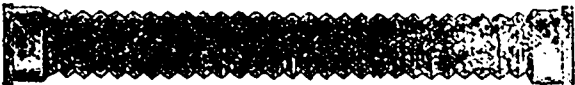
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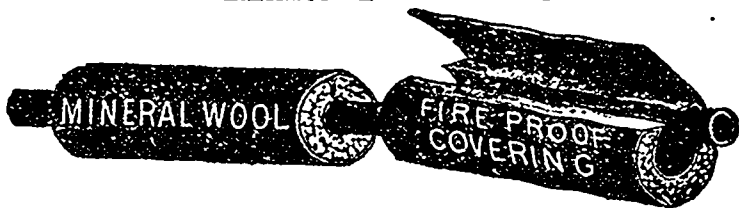


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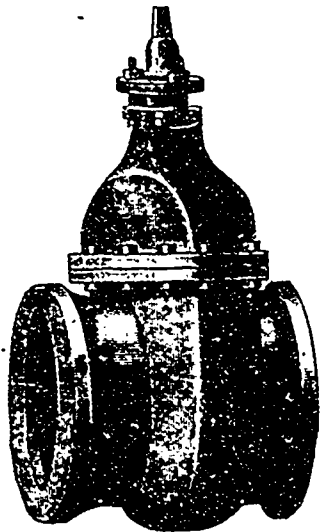
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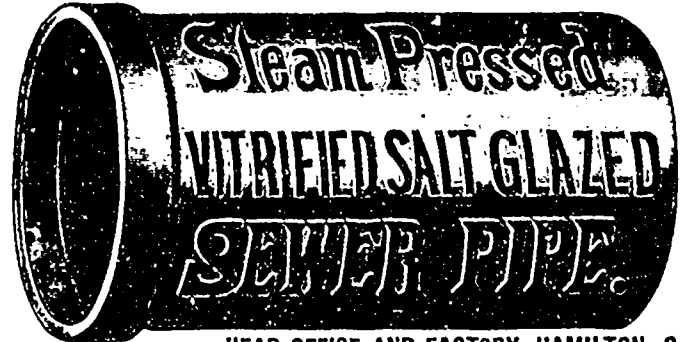
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CAPACITY: 2,000 TONS PER ANNUM.

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In use from Vancouver to Sydney, Cape Breton.
Correspondence solicited.

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LUMBER.
CAR OR CARGO LOTS.

	Toronto.	Montreal.
1 1/2 to 2 clear picks, Am ins.	34 00	40 00
1 1/2 to 2 three uppers, Am ins.	37 00	40 00
1 1/2 to 2, pickings, Am ins.	27 00	30 00
1 inch clear	52 50	60 00
1 x 10 and 12 dressing and better.	20 00	20 00
1 x 10 and 12 mill run.	23 00	19 00
1 x 10 and 12 dressing.	15 00	18 00
1 x 10 and 12 common.	12 00	13 00
1 x 10 and 12 spruce culls.	10 00	11 00
1 x 10 and 12 maple culls.	9 00	9 00
1 inch clear and picks.	28 00	33 00
1 inch dressing and better.	18 00	20 00
1 inch siding, mill run.	14 00	16 00
1 inch siding, common.	13 00	14 00
1 inch siding, ship culls.	12 00	13 00
1 inch siding, mill culls.	8 00	9 00
Cull scantling.	8 00	9 00
1 1/2 and thicker cutting up plank.	22 00	22 00
1 inch strips, 4 in. to 8 in. mill run.	14 00	15 00
1 inch strips, common.	11 00	12 00
1 1/2 inch flooring.	15 00	16 00
1 1/2 inch flooring.	15 00	16 00
XXX shingles, sawn, per M	2 50	2 70
XX shingles, sawn.	1 50	1 70
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
Scantling and joist, up to 16 ft	15 00	16 00
" " " " " " " "	16 00	17 00
" " " " " " " "	17 00	18 00
" " " " " " " "	18 00	19 00
" " " " " " " "	19 00	20 00
" " " " " " " "	20 00	21 00
" " " " " " " "	21 00	22 00
" " " " " " " "	22 00	23 00
" " " " " " " "	23 00	24 00
" " " " " " " "	24 00	25 00
" " " " " " " "	25 00	26 00
" " " " " " " "	26 00	27 00
" " " " " " " "	27 00	28 00
" " " " " " " "	28 00	29 00
" " " " " " " "	29 00	30 00
" " " " " " " "	30 00	31 00
" " " " " " " "	31 00	32 00
" " " " " " " "	32 00	33 00
" " " " " " " "	33 00	34 00
" " " " " " " "	34 00	35 00

	Toronto.	Montreal.
Cutting up planks, 1 1/2 and thicker, dry.	25 00	26 00
Cutting up planks, 1 1/2 and thicker, board.	18 00	18 00
Cedar for block paving, per cord.	5 00	5 00
Cedar for Kerbing, 4 x 24, per M.	4 00	14 00
BRICKS.		
1 1/2 in. flooring, dressed, F.M.	28 00	31 00
1 1/2 inch flooring, rough, F.M.	22 00	22 00
1 1/2 " " " " " " " "	27 00	30 00
1 1/2 " " " " " " " "	19 00	19 00
1 1/2 " " " " " " " "	22 00	22 00
1 1/2 " " " " " " " "	12 00	12 00
1 1/2 " " " " " " " "	15 00	15 00
1 1/2 " " " " " " " "	35 00	35 00
1 1/2 " " " " " " " "	12 00	12 00
Beaded sheeting, dressed.	22 00	22 00
Clapboarding, dressed.	12 00	12 00
XXX sawn shingles, per M	2 65	2 75
18 in. " " " " " "	2 50	2 60
Cedar.	3 90	3 90
Red oak.	30 00	30 00
White.	35 00	35 00
Hasswood, No. 1 and 2.	18 00	20 00
Cherry, No. 1 and 2.	70 00	70 00
White ash, No. 1 and 2.	25 00	35 00
Black ash, No. 1 and 2.	18 00	30 00
Dressing stocks.	16 00	16 00
Picks, American inspection.	40 00	40 00
Three uppers, Am. inspection.	50 00	50 00
BRICKS—M		
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	14 00
" " " " and quality	14 00	8 00
" " " " 3rd	8 00	4 50
Hard Building.	4 50	
Moulded and Ornamental, per 100.	3 00	10 00
Roof Tiles.	24 00	16 00
Diamond locking tile.	16 00	
First quality, f. o. b. at Campbellville.	18 00	25 00
2nd quality, f. o. b.	14 00	20 00
3rd	13 00	17 00
Ornamental, per 100.	3 00	10 00
Tiles.	24 00	26 00
Plain brick, "A" f. o. b. Don Valley	18 00	25 00
" " " " " " " "	16 00	22 00
" " " " " " " "	13 00	18 00
Trojan or Buff.	24 00	30 00
Ornamental, per 100	3 00	60 00
Plain brick, f. o. b. Port Credit	18 00	18 00
" " " " and quality	13 00	10 00
" " " " 3rd	10 00	8 00
Hard Building.	8 00	10 00
Ornamental, per 100.	3 00	10 00
SAND.		
Per Load of 1 1/2 Cubic Yards	1 25	1 25
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. 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	75
Ballochmyle.	80	90
New York Blue Stone.		65
Granite (Stanstead) Ashlar, 6 in. to 12 in., rise 9 in., per ft. Moat Freestone.	70	80
Thomson's Gatelawbridge, cu. ft.	75	80
Credit Valley Rubble, per ton, delivered.	13 00	14 00
Credit Valley Brown Coursing, per superficial yard.	2 50	3 00
Credit Valley Brown Dimension, per cubic foot.	90	90
Credit Valley Grey Coursing, per superficial yard.	1 50	2 15
Credit Valley Grey Dimension, per cubic foot.	75	80
Madoc Rubble, delivered, per ton.	14 00	14 50
Madoc dimension floating, f. o. b. Toronto, per cubic ft.	30	32
Ohio Freestone, No. 1 Blue Promiscuous, f. o. b.	60	
No. 1 Blue Dimension.	65	
No. 1 Buff Promiscuous.	20 00	18 00
No. 1 Buff Dimension.	85	
The above prices means freight and duty paid.		
2 in. sawed flagging per sq. ft.	11	13 1/2
3 " " " " " "	13 1/2	16 1/2
4 " " " " " "	16 1/2	19 1/2
5 " " " " " "	19 1/2	22 1/2
6 " " " " " "	22 1/2	25 1/2
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 00
Granite paving blocks, 6 in. to 12 in. x 6 in. x 4 in., per M	50 00	
Granite curbing stone, 6 in. x 20 in., per lineal foot.	70	
SLATE.		
Roofing (3 square).	16 00	20 00
" " " " " " " "	9 00	10 00
" " " " " " " "	8 50	6 00
" " " " " " " "	8 00	7 50
Terra Cotta Tile, per sq. ft.	22 00	
Ornamental Black Slate Roofing.	8 00	
PAINTS. (In oil, 1/2 lb.)		
White lead, Can., per 100 lbs.	6 25	6 00
" " " " " "	6 50	7 50
Red lead, Eng.	5 1/2	6 1/2
" " " " " "	2 60	1 75
" " " " " "	90	100
" " " " " "	10	12
" " " " " "	10	12
Yellow ochre.	5	4
Yellow chrome.	15	20
Green chrome.	7	7
" " " " " "	15	20

	Toronto.	Montreal.
Black, lamp.	25	25
Blue, ultramarine.	15	20
Oil, linseed, raw, 1/2 Imp. 1/2.	65	68
" " " " " " " "	68	71
" " " " " " " "	71	75
" " " " " " " "	75	77
" " " " " " " "	77	80
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
Stenna, burnt.	15	20
Umber.	8 1/2	12
CEMENT, LIME, etc.		
Cement, Portland, per bbl.	2 50	
" " " " " "	2 75	
" " " " " "	3 25	
" " " " " "	1 50	
" " " " " "	2 25	
" " " " " "	1 50	
" " " " " "	2 65	2 85
" " " " " "	2 45	2 90
" " " " " "	2 35	2 50
" " " " " "	2 30	2 40
" " " " " "	2 25	2 30
" " " " " "	2 75	
" " " " " "	4 50	4 75
" " " " " "	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	30 10	34 00
" " " " " "	30 00	35 00
Lime, Per Barrel, Grey.	40	
" " " " " "	55	
Plaster, Calced, N. B.	2 00	
" " " " " "	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, " " " "	10	10
20d, 16d and 12d, hot cut, per 100 lbs.	15	15
10d, hot cut, per 100 lbs.	20	20
8d, 9d, " " " "	25	25
6d, 7d, " " " "	40	40
4d to 5d, " " " "	60	60
3d, " " " "	1 00	1 00
2d, " " " "	1 50	1 50
3d to 5d cold cut, not polished or blued, per 100 lbs.	50	50

	Toronto.	Montreal.
3d to 5d cold cut, not polished or blued, per 100 lbs.	90	90
FINE BLUED NAILS.		
3d, per 100 lbs.	1 50	1 50
2d, " " " "	2 00	2 00
CASING AND BOX, FLOORING, SHOOK AND TOBACCO BOX	2 00	2 00
NAILS.		
1 1/2 to 30d, per 100 lbs.	50	50
10d, " " " "	60	60
8d and 9d, " " " "	75	75
6d and 7d, " " " "	1 10	1 10
4d to 5d, " " " "	1 50	1 50
30d, " " " "	1 50	1 50
FINISHING NAILS.		
3 1/2 to 3 1/2 inch, per 100 lbs.	85	85
2 1/2 to 2 1/2 " " " "	1 00	1 00
2 to 2 1/2 " " " "	1 15	1 15
1 1/2 to 1 1/2 " " " "	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 75
COMMON BARREL NAILS.		
1 inch, per 100 lbs.	1 50	1 50
3/4 " " " "	1 75	1 75
3/8 " " " "	2 25	2 25
CLINCH NAILS.		
3/4 inch, per 100 lbs.	85	85
2 1/2 and 2 1/2 " " " "	1 00	1 00
2 and 2 1/4 " " " "	1 15	1 15
1 1/2 and 1 1/2 " " " "	1 35	1 35
1 1/4 " " " "	2 00	2 00
1 " " " "	2 50	2 50
SHARP AND FLAT PRESSED NAILS.		
3 1/2 inch, per 100 lbs.	1 35	1 35
2 1/2 and 2 1/4 " " " "	1 50	1 50
2 and 2 1/4 " " " "	1 65	1 65
1 1/2 and 1 1/4 " " " "	1 85	1 85
1 1/4 " " " "	2 50	2 50
1 " " " "	3 00	3 00
Structural Iron:		
Steel beams, per 100 lbs.	2 75	2 50
" " " " " "	2 85	2 60
" " " " " "	2 50	2 30
" " " " " "	2 80	2 05
" " " " " "	2 55	2 35
" " " " " "	2 25	2 35
Sheared steel bridge plate.	2 25	2 35

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