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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. OCTOBER 12, 1893 No. 34

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.
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. 30 and 31, 1889, the Ontario Association of Architects stipulated 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. Perreault, seconded by A. F. Dunlop, that 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.

BRICK for sale, about 200 thousand. **FIRST-BROOK BROS.** 303 King St. East.

Notice to Contractors

CANADIAN CONTRACTORS' HAND-BOOK

A new and thoroughly revised edition of the *Canadian Contractors' Hand-Book*, consisting of 350 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,
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Montreal Office:
64 Temple Building.

TO CONTRACTORS

Sealed Tenders, endorsed "New Parliament Buildings, Victoria, Contract No. 2," will be received by the Honourable Chief Commissioner of Lands and Works up to one o'clock p.m. of Thursday, 30th November, 1893, for the several trades required in the erection of New Parliament Buildings at James Bay, Victoria, B.C., viz.:-
1. The excavator, mason and bricklayer's work.
2. The carpenter and joiner's work.
3. The slater's and plasterer's work.
4. The coppersmith's work.
5. The smith and ironfounder's work.
6. The plumber's work.
7. The painter's work.

Tenders will be received for any one trade or for the whole work.
The plans, details, &c., as prepared by F. M. Rattenbury, Architect, can be seen at the office of the undersigned on or after Monday, October 16th, 1893, and complete quantities clearly describing the whole of the work can be obtained on payment of \$20 for each trade. This sum will be returned to the contractors on receipt of a bona fide tender.
Each tender must be accompanied by an accepted bank cheque equal to two per cent. on the amount of each trade tendered for, which will be retained as part security for the due performance of the work. The cheque will be returned to unsuccessful competitors, but will be forfeited by any bidder who may decline to execute a contract if called upon to do so.
The lowest or any tender not necessarily accepted.
W. S. GORE,
Deputy Commissioner of Lands & Works,
Lands and Works Department,
Victoria, B. C., September 28th, 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, OCTOBER 14TH, 1893**, for the following works:

A SEWER
On Queen street, from Markham street to the Garrison Creek sewer.

ASPHALT PAVEMENTS
On Carlton street, from Jarvis street to Sherbourne street.
On Hoskin avenue, from St. George street to Queen's Park Crescent Drive.

Specifications may be seen and forms of tender obtained on and after Saturday, October 7, 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 work tendered for under \$1,000, and 2 1/2 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 of any tender.
DANIEL LAMB,
Chairman Committee on Works,
Committee Room, Toronto, Sept. 30, 1893.

TENDERS WANTED

Whole or separate tenders will be received for the several works required in the erection and completion of a block consisting of stores, lodge room and opera house for the Guelph Workmen's Opera House Co., up till 30TH OCTOBER, 1893. Foundation of building to be built at once, balance on or before 1st October, 1894.
The lowest or any tender not necessarily accepted.
FRANK DOWLER, President.
H. J. POW LI Architect. **C. H. STUBBS,** Secretary.

TENDERS FOR ELECTRIC LIGHTING

Tenders will be received at my office up to 6 o'clock p.m. on **TUESDAY, THE 27TH OF OCTOBER, 1893**, for the
STREET LIGHTING
of the City of London, for a term of 3 or 5 years with 2000 C. P. Arc lights.
Plans and specifications may be seen at this office.
A. ORMSBY GRAYDON, City Engineer.
ALD. F. J. FITZGERALD, Chairman No. 3 Committee.

CONTRACTS OPEN.

ARNPRIOR, ONT.—The purchase of a chemical fire engine is being advocated.
REGINA, N. W. T.—Mr. Knight will shortly commence the erection of a brewery.
ELMIRA, ONT.—The question of securing better fire protection is being discussed.
EGANVILLE, ONT.—The foundation for the new Methodist church will be built this fall.
HULL, QUE.—The Ottawa Powder Company will build another magazine in this town.
GALT, ONT.—The Council is considering the question of a sewerage system for the hospital.
BATTLEFORD, N. W. T.—Extensive improvements are to be made in the police barracks.
INGLEWOOD, ONT.—Work has been commenced on the foundation for a new Methodist parsonage.
CARBERRY, MAN.—The by-law to raise the sum of \$6,000 for fire protection was carried by the ratepayers last week.
EXETER, ONT.—Messrs. R. Pickard & Son are erecting a new brick store, to be heated by steam and lighted by electricity.
RENFREW, ONT.—Work on the foundation of the new depot for the O. A. & P. S. railway is to be commenced at once.
STRATFORD, ONT.—A committee has been appointed by the Town Council to look into the question of heating the City Hall.
SELKIRK WEST, MAN.—Mr. W. G. Mitchell, of Shell River, has purchased a

site here and intends erecting a large saw mill.

LUNENBURG, N. S.—Mr. J. A. Piggott, C. E., of New Glasgow, will superintend the construction of a system of water-works for this town.

BOISSEVAIN, MAN.—Mr. F. L. Shaffner, Secretary Public School Board, will receive tenders until the 25th inst. for the erection of a stone school house in this town.

WOODSTOCK, ONT.—Mr. John B. McKay will receive tenders at the Caister House until the 14th inst. for building two bridges on the Gravel Road in North Embro.

NEW WESTMINSTER, B. C.—The British Columbia Methodist College has chosen a site in this city for the proposed new building, the city having donated six acres of land.

CARLETON PLACE, ONT.—At a recent meeting of the Provincial Board of Health it was recommended that steps be taken by the council of this town to procure a better system of water supply.

WALKERVILLE, ONT.—The towns of Windsor and Walkerville have each agreed to pay an equal share towards the cost of constructing a new water main into Lake St. Clair above this town.

PHILLIPSBURG, QUE.—The Government has granted the sum of \$4,000 towards the construction of a new wharf at this place, and the ratepayers will be asked to grant a similar amount.

NIAGARA FALLS, ONT.—At a meeting of the directors of the Niagara Railway Suspension Bridge Company held last week, the question of building another bridge across the river was again discussed.

BRANTFORD, ONT.—The Waterous Engine Works Company have refused a bonus of \$15,000 from the city to aid them in building larger works. The building of a larger factory will depend upon the city buying the present works.

LONDON, ONT.—The City Engineer will receive tenders until 6 p.m. to-day, (Thursday), for the construction of a tile drain on English street.—A building permit has been granted to T. A. Power for a residence to be built at the corner of Hyman and Waterloo streets.

HAMILTON, ONT.—It is said to be the intention of the Bank of Hamilton to build a branch bank at the corner of King and Wellington streets.—The Parisian Laundry Company, of London, is negotiating for a site in this city, on which to erect a laundry building.—A building permit has been granted to W. C. Macartney, for a two-story brick dwelling on Pearl street, between King and Morden streets, cost \$1,200.

BROCKVILLE, ONT.—The Town Council has decided to construct sewers on the following streets; Wall street, from James street to Pearl street, cost \$445.00; Pearl street, from Ormond to Hill street, cost \$600; James street, from Ormond street

to Hill street, and on Hill street, from James street to Pearl street, cost \$1,300; Abbott street, from Maple street to Elm street, cost \$902; Bartholomew street, from King street to Pearl street, cost \$2,790; St. Andrew street, from Jane street to Flint street, cost \$2,230.

OTTAWA, ONT.—Mr. G. F. Stalker, architect, has been instructed by the Board of Health to prepare specifications and call for tenders for the proposed contagious disease hospital, in accordance with plans approved by the Board.—The Governor-General has requested the Dominion Government to enlarge Rideau Hall, it being too small for His Excellency's household. The Government may possibly consider the question of erecting a new residence.—A number of implement manufacturers have requested the managers of the Central Canada Fair to provide a larger building for their purpose, the present one being inadequate.

WINNIPEG, MAN.—Plans are now being prepared for a new power house for the electric street railway, to be built in connection with the Winnipeg Gas and Electric Light Company.—Mr. J. H. Mills has purchased a site on the south-west corner of Edmonton street and Broadway and will erect a residence thereon shortly.—A new bridge is to be constructed over the Assiniboine river at Colony street.—It is the intention of the Minnesota-Moline Plow Company, of Minneapolis, to erect a large warehouse in this city next year. Mr. Fish, general agent of the company, was in the city recently in that connection.

MONTREAL, QUE.—A property has been secured in Belmont Park on which to erect a new High School for English speaking Catholics. Rev. Father Quinlivan is interested in the project.—Mr. R. A. A. Jones, of England, has placed at the disposal of the Lord Bishop of Montreal the sum of \$20,000 for the erection of a children's convalescent hospital in connection with the Church of England in this city. The building will be erected in one of the city suburbs, and a provisional committee has been appointed to look after an act of incorporation and other preliminary business.—Excavating has been commenced on the foundation of a new Catholic hospital to be erected at the corner of Sanguinet and Rachael streets, the result of efforts of Rev. Abbe Anclair. It will cost about \$60,000, and will be equipped with all modern improvements.

TORONTO, ONT.—It is the intention of Mr. Robt. C. LeVesconte, barrister, 37 Wood street, to erect a residence in the locality of Rosedale.—An American gentleman has purchased a lot of ground adjoining Major Carlaw's residence on Spencer avenue and intends erecting a residence thereon.—Two new houses are to be erected on a lot on the east side of Walmer road, at a cost of \$15,000 each.—The Board of Works will be asked to sanction the widening of Queen street eastward from Parliament street, to accommodate the double street railway track.—Regarding the rumor that a new opera house would shortly be established in the city, Mr. H. R. Jacobs, of Jacobs & Sparrows opera house, states that no new theatre will be built in Toronto this season, but that there is, however, a genuine movement to form a syndicate and build one to be managed by him.—The City Engineer has been engaged for sometime preparing a report on the water supply. It is said that the report will recommend the construction of a tunnel under the Bay and Island out to the intake point. The cost is estimated at about \$500,000.—The City Engineer is preparing an estimate of the cost of an asphalt pavement on Queen street, from Yonge street to the Don river.—Mr. Sankay, City Surveyor, is preparing plans for the proposed enlargement of the Yonge street wharf, in connection with the Esplanade improvements. It will be extended 250 feet to the Windmill line, and 135 feet added to its width, at a cost of over \$25,000. The plans will be pre-

pared at the next meeting of the Board of Works.

FIRES.

The saw mill of Messrs. Mondor & Arel, of Yamaska, Que., was burned recently. Loss \$5,000.—A brick building at 30 St. George street, Montreal, occupied by the Star Box & Collar Company, was damaged by fire on the 5th inst. to the extent of \$25,000.—J. B. Henderson's frame block at Carberry, Man., was destroyed by fire last week. Loss, \$7,000; insurance \$680.—The residence of S. Phillips, at Elkhorn, Man., was destroyed by fire on Monday last.

CONTRACTS AWARDED.

PETERBORO, ONT.—The Central Bridge and Engineering Company are at present filling an order from Rochester, N. Y., for fifteen large flexible joints for water pipes, to be about 5½ feet inside diameter.

TORONTO, ONT.—Mr. George F. Bostwick has been given the contract for fitting up the new Oak Hall building now being erected on King street east in this city. Mr. Bostwick has just completed the fittings and furnishings for the new office of the Canadian Bank of Commerce at St. Catharines.

QUEBEC, QUE.—David Ouellet, architect, has awarded a contract to Mr. Jos. St. Hilaire, contractor, of the parish of St. Ronald, for the inside decoration of the church of St. Flavien, Co. Lotbiniere, the work to be in basswood, with carved ornaments, white painted and gilt. The furniture to be in basswood and black walnut. Value \$10,500.

WINNIPEG, MAN.—A contract has just been awarded to Messrs. Gray Bros. by the Hudson's Bay Company for the construction of a solid brick addition, with stone foundation, to the company's warehouse in this city.—Mr. A. Goodfellow has secured the contract for building the new industrial school in the vicinity of Duck Lake. It will be an extensive building.—The contract for the construction of the foundation for the new St. George's church, corner of Bannatyne and Isabel streets was let last week to Mr. Jas. Helly. This work will be finished this fall, but the remainder will not be proceeded with until the spring. Mr. Geo. Brown will have charge of the work.

MACHINE-MADE MORTAR.

The mortar box and mixer, which are always associated unpleasantly with buildings in course of construction, will probably soon be things of the past. Builders are talking of investing in mortar factories, from which they will be able to order the exact amount of the materials they need. One such factory was recently started in Philadelphia, and was so successful that similar "plants" are springing up in all the large cities of the country. The process is thus described: "The sand used is dumped into a hopper at the edge of a canal, and falls through this hopper into a sand-conveyer, which carries it into the factory through a subterranean trough, by which it is dumped into an elevator. This elevator carries it to the roof of the factory, where it is thrown into a revolving screen eight feet long by two feet in diameter. The sifted sand falls on the belt that conveys it into the mixing room on the second floor. The lime is kept in a huge bin in the rear of the first-story building. From this bin two chutes lead down to the patent revolving cylinders or retorts in which the slaking is done. These retorts hold about fifty bushels of lime, and will turn that amount out thoroughly slaked every forty-five minutes. The liquid lime is pumped up to the mixing tubes by means of specially patented pumps, and then the most delicate part of the process is reached—the mixing. A great deal of judgment is necessary to decide just how much lime is needed in a given quantity of sand, for the reason that very coarse sand holds much more lime than very fine sand before it will hold well, and the quantity of lime has always been

gauged to suit the particular quality of sand on hand. The mixer itself is a wonderful piece of machinery, consisting of a gigantic screw and several large paddles which hurl, twist and contort the lime and sand until there is no grain which is not as thoroughly mixed as the average discussion on the financial situation. After mixing, it is dumped into carts and put into immediate use in the walls of the buildings or on ceilings. There is no need to wait a second for any re-tempering or anything of that sort. Machine-made mortar, it has been found, is always more thoroughly mixed, is easier to work and does not "blister."

BUSINESS NOTES.

Placide Raby, plumber, of Montreal, has assigned.

Papineau & Archambault, plumbers, Montreal, have dissolved partnership.

W. J. Taylor, painter, Toronto, has assigned with assets in excess of liabilities.

E. Benoit & Co., contractors, Montreal, have assigned, paying 15 cents on the dollar.

William T. Horton, builder and contractor, of Halifax, N. S., has assigned to James Dempster.

Chas. S. Gagnier, painter, of Montreal, has assigned at the demand of J. C. Lascotte, with liabilities of \$3,800.

MUNICIPAL DEPARTMENT.

THE FILTRATION OF WATER.

A second point that is often disputed is contained in clause 4. According to the present state of science and experience it is generally accepted that the thin film of dirt on the surface of the sand is really the filtering medium, and that the filters, filled up with new sand or cleaned, do not properly work before a new film of dirt has been gained. Mr. Bertschinger's experiments show that the Zurich filters do not do their full duty until four to seven days after the cleaning. Mr. Piefke's experiments at Berlin show the filter fully restored after four or five days' working. The unfiltered water in Zurich is of first rate purity compared with the water of the Spree in Berlin and of the Elbe near Altona. The raw Zurich water contains generally less than 300, in very rare cases, 400 germs; the water of the Spree generally some thousands, very seldom more than 10,000 germs; while the water of the Elbe at the Altona waterworks contains exceedingly seldom less than 10,000, generally more than 20,000, and very often more than 40,000 germs per cu. cm. On the other hand, in the Elbe water the amount of mineral substances is very high, the amount of vegetable matter very low, compared with the Spree water. The mineral matter subsides very fast as soon as the water is brought to rest. The writer, therefore, fills up the cleaned or newly filled filter (at the Altona works) in the usual way from below with filtered water to the top of the sand, and afterward with unfiltered, subsided water from above, and then gives a sufficient time for the mineral impurities to subside on the surface of the sand. Generally six to eight hours, sometimes ten or twelve hours, after the time the filter is filled with water the filtration begins and is quite satisfactory, the number of microbes being not, or very little, increased, as compared with the water filtered before the cleaning.

Quite a different case is that after the filling up with new sand. If we proceed just in the same way with the inlet water and give the raw water a time of twenty hours of quiet rest, the number of microbes becomes very high. It is certain that the working of the filter, when filled up with new sand, is for a certain time not satisfactory; therefore, we must waste the water during the first three or four days.

* Abstract of a paper prepared for the International Engineering Congress of the Columbian Exposition, 1893, by Mr. W. Ruemmel, C. E., of Altona.

A third point to be discussed is contained in clause 5. It is not sufficient to examine the water as it is delivered to customers; the water running from each filter must be tested bacteriologically every day. We have made arrangements to take the samples from each filter, as near as we could get. At first there were attached to the outlet pipes short lead pipes with bib cocks, about two feet from the mains. That was a mistake; some days after the first trial the lead pipes were grown full with microbes, and the samples of water taken from the bibs, though full care was taken to have water from the mains, did not show the latter, because the running water washed away many of the colonies in the lead pipes. Now the arrangement is altered; we take the water directly from the main with a sterilized short pipe, introducing in the main through a properly constructed stop-cock.

We find it a very good thing to examine every day each of the filters, and we are sure that we save ourselves a great many mistakes and much mischief by this very simple and very safe expedient. Without this bacteriological examination we are working like a mechanical engineer who does not indicate his steam-engine, thinking that he is able to estimate its quality from the revolution of the fly-wheel. The thing we must not overlook is that the number of germs found in a cubic centimetre is not very important in itself, but only a way to judge the working of a filter. As soon as we find that the number increases suddenly we may be sure that something in our filter is out of order.

A point of much greater importance is the determination of the species of the microbes; in each sample of a good filtered water the number of species will not vary much, though different species predominate at different seasons. As soon as we find that the water contains some well known species of microbes of the liquefying type, we have to examine the colonies in the discs and the filters with the utmost care. If we do so, we may be sure that we will be able to deliver a good, safely usable filtered water, even from a river not at all protected against pollution through human excretions.

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

ERDMAN V. TOWN OF WALKERTON.—Judgment on appeal by the defendants from the judgment of the Queen's Bench Divisional Court, reported 22 O.R. 693, directing a new trial of the action, which was brought under R.S.O., ch. 135, by the widow of one J. B. Erdman, as his executrix, to recover damages for his death, alleged to have been caused by the defendants' neglect to keep a highway in repair. The action was tried before Street J., who gave judgment of non-suit, the plaintiff admitting that she could not prove her case without the aid of depositions of the deceased, taken in an action begun by him before his death, which evidence the learned judge held inadmissible in the present action. The Divisional Court reversed this decision, and also reinstated an order allowing the evidence to be used, made by the master in chambers and set aside by Street J. on appeal. The court agreed (with some doubt by the majority of the court, owing to the conflicting decisions) with the court below in holding the evidence admissible, and dismissed the appeal with costs. The court, however, held that the master in chambers had no power to make an order for the reception of the evidence, and that the appeal as to that branch should be allowed and the order of Street J. restored, but without costs.

Mr. W. M. Davis, town engineer, of Woodstock, Ont., had a narrow escape from drowning in Sturgeon Lake a few days ago, owing to the capsizing of a canoe. A friend succeeded in rescuing Mr. Davis when life was almost extinct.

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THOMAS MONRO,
Engineer in charge of Welland Canal Enlargement.

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CEMENT CONTRACTORS TO THE CITY OF TORONTO.
Telephone 1948 or call and see us.

MUNICIPAL OFFICIALS should see to it that in the erection of town and city **PUBLIC BUILDINGS**, 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.

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Drummond McCall Pipe Foundry Company,

MONTREAL

MANUFACTURERS OF

CAST IRON WATER AND GAS PIPES

WORKS: LACHINE, QUE.

PRICES ON APPLICATION.

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MANUFACTURERS OF

WATER METERS



Meter Supports, Dial Extensions, Fixture Locks, Water Cart Registers, Strainers, Coupling Seals and Reservoir Indicators.

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Office: No. 23 Toronto Street, Toronto, Ont.

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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 Culvert Pipes, Inverts, Vents,



AND ALL KINDS OF FIRE CLAY GOODS.

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Railway and Contractors' Plant.

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BELLEVILLE, ONT.

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- - ENGINEERING COMPANY,
(LIMITED)**
Peterborough, Ont.
WM. H. LAW, Manager and Engineer.
MANUFACTURER OF

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*Viaducts, Piers, Roofs, Turntables and
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Tension members forged without welds. Riveting
done by hydraulic or compressed air machines.
Specialties: Good workmanship and strict adherence
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CAPACITY: 2,000 TONS PER ANNUM.

OUR SALES OF
"BURHAM"

**Portland
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for the past 8 months have been
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"Burham" Brand outranks all others.
Try it and be convinced.

Sole Consignees for Canada:

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Canada Pipe Foundry,

HAMILTON, ONTARIO.

ALEX. GARTSHORE, Proprietor.

Manufacturer of

**CAST IRON WATER, GAS AND
SEWER PIPES.**

- ALSO -

Special Castings of every description.

CAPACITY: 50 TONS PER DAY.

In use from Vancouver to Sydney, Cape Breton.

Correspondence solicited.

Prices of Building Materials.

LUMBER.

CAR OR CARGO LOTS.

Toronto. Montreal.

1 1/2 to 2 clear picks, Am ins.	34	36	40	45
1 1/2 to 2 three uppers, Am ins.	37	40	45	50
1 1/2 to 2, pickings, Am ins.	27	30	35	40
3 inch clear	27	30	35	40
1 x 10 and 12 dressing and better	20	23	28	33
1 x 10 and 12 mill run	13	14	17	19
1 x 10 and 12 dressing	16	18	21	24
1 x 10 and 12 common	14	15	18	20
1 x 10 and 12 spruce culls	10	11	14	16
1 x 10 and 12 culls	9	10	13	15
1 inch clear and picks	18	20	24	28
1 inch dressing and better	18	20	24	28
1 inch siding, mill run	14	16	19	22
1 inch siding, common	13	15	18	21
1 inch siding, ship culls	12	14	17	20
1 inch siding, mill culls	8	9	11	13
Cull scantling	8	9	11	13
1 1/2 and thicker cutting up plank	22	25	30	35
1 inch strips, 4 in. to 8 in. mill run	14	15	18	20
1 inch strips, common	12	13	16	18
1 1/2 inch flooring	16	17	20	23
1 1/2 inch flooring	16	17	20	23
XXX shingles, sawn, per M	25	26	30	32
XX shingles, sawn	23	24	28	30
Lath	24	25	30	32

YARD QUOTATIONS.

Mill call boards and scantling	10	10
Shipping call boards, promiscuous widths	13	13
Shipping call boards, stocks	16	16
Hemlock scantling and joist up to 16 ft.	11	12
Hemlock scantling and joist up to 18 ft.	12	13
Hemlock scantling and joist up to 20 ft.	13	14
Scantling and joist, up to 16 ft.	13	14
" " " " " "	14	15
" " " " " "	15	16
" " " " " "	16	17
" " " " " "	17	18
" " " " " "	18	19
" " " " " "	19	20
" " " " " "	20	21
" " " " " "	21	22
" " " " " "	22	23
" " " " " "	23	24
" " " " " "	24	25
" " " " " "	25	26
" " " " " "	26	27
" " " " " "	27	28
" " " " " "	28	29
" " " " " "	29	30
" " " " " "	30	31
" " " " " "	31	32
" " " " " "	32	33
" " " " " "	33	34
" " " " " "	34	35
" " " " " "	35	36

Toronto. Montreal.

Cutting up planks, 1 1/2 and thicker, dry	25	26	25	26
Cutting up planks, 1 1/2 and thicker, board	18	22	18	22
Cedar for block paving, per cord	5	5	5	5
Cedar for Kerbing, 4 x 14, per M	14	14	14	14
1 1/2 in. flooring, dressed, F.M.	28	31	28	31
1 1/2 inch flooring, rough, B.M.	28	31	28	31
1 1/2 " " " " " "	30	33	30	33
1 1/2 " " " " " "	19	20	19	20
1 1/2 " " " " " "	22	23	22	23
1 1/2 " " " " " "	18	19	18	19
1 1/2 " " " " " "	22	23	22	23
1 1/2 " " " " " "	15	16	15	16
1 1/2 " " " " " "	12	13	12	13
Headed sheeting, dressed	22	23	22	23
Clapboarding, dressed	12	12	12	12
XXX sawn shingles, per M	25	26	25	26
Sawnlath	25	26	25	26
Cedar	29	30	29	30
Red oak	30	40	30	40
White	35	45	35	45
Basswood, No. 1 and 2	18	20	18	20
Cherry, No. 1 and 2	70	70	70	70
White ash, No. 1 and 2	25	30	25	30
Black ash, No. 1 and 2	18	20	18	20
Dressing stocks	16	16	16	16
Picks, American inspection	40	40	40	40
Three uppers, Am. inspection	50	50	50	50

BRICK - M

Common Walling	7	6
Good Facing	9	8
Sewer	8	9
Pressed Brick, Per M:		
Plain brick, f. o. b. at Milton	16	16
" " " " and quality	14	14
" " " " 3rd	8	8
Hard Building	4	4
Moulded and Ornamental, per 100	10	10
Robt Tiles	24	24
Diamond locking tile	16	16
First quality, f.o.b. at Campbellville		
and quality, f.o.b.	14	14
3rd	11	11
Ornamental, per 100	3	3
Tiles	24	26
Plain brick, "A" f.o.b. Don Valley	18	25
" " " " " "	16	22
" " " " " "	13	18
Trojan or Buff	24	30
Ornamental, per 100	3	3
Plain brick, f.o.b. Port Credit	18	25
" " " " 2nd quality	13	18
" " " " 3rd	8	10
Hard Building	4	4
Ornamental, per 100	3	3

Per Load of 1 1/2 Cubic Yards

STONE.

Common Rubble, per ton, delivered	14	14
Large flat Rubble, per ton, delivered	18	18
Foundation Blocks, per c. ft.	5	5
Kent Freestone Quarries Moncton, N. B., per cu ft. f.o.b.	1	1
River John, N. S., brown Freestone, per cu. ft., f.o.b.	95	95
Ballochmyle	80	90
New York Blue Stone	65	75
Granite (Stanzhead) Ashlar, 6 in. to 12 in., rise 9 in., per ft.	25	25
Moat Freestone	70	80
Thomson's Gatawbridge, cu. ft.	75	80
Credit Valley Rubble, per ton, delivered	13	14
Credit Valley Brown Coursing, per superficial yard	2	3
Credit Valley Brown Dimension, per cubic foot	90	90
Credit Valley Grey Coursing, per superficial yard	1	2
Credit Valley Grey Dimension, per cubic foot	75	8
Madoc Rubble, delivered, per ton	14	14
Madoc dimension floating, f. o. b. Toronto, per cubic ft.	30	32
Ohio Freestone, No. 1 Blue Promiscuous, f.o.b.	60	65
No. 1 Blue Dimension	65	70
No. 1 Buff Promiscuous	80	85
No. 1 Buff Dimension	85	90

The above prices means freight and duty paid.

Builders' Supplies.

Quebec and Vermont rough granite for building purposes, per c. ft. f.o.b. quarry	33	35
For ornamental work, cu. ft.	35	40
Granite paving blocks, 8 in. to 12 in. x 6 in. x 4 in., per M	50	50
Granite curbing stone, 6 in. x 20 in., per lineal foot	70	70
SLATE.		
Roofing (per square)	15	20
" " red	9	10
" " purple	8	9
" " unslating green	8	9
" " black	8	9
Terra Cotta Tile, per sq. ft.	22	22
Ornamental Black Slate Roofing	8	8
PAINTS. (In oil, per lb.)		
White lead, Can., per 100 lbs.	6	6
" zinc, Can., " "	6	6
Red lead, Eng., " "	6	6
" venetian, per 100 lbs.	1	1
" vermilion	90	90
" Indian, Eng.	10	10
Yellow ochre	5	5
Yellow chrome	15	15
Green chrome	7	7
" Paris	25	25

Toronto. Montreal.

Black lamp	25	25
Blue, ultramarine	45	45
Oil, linseed, raw, 1 gal.	68	68
" " " " boiled	68	68
" " " " refined	78	78
Putty	2 1/2	2 1/2
Whiting, dry, per 100 lbs.	75	75
Paris white, Eng., dry	90	90
Litharge, Am.	6 1/2	6 1/2
Sienna, burnt	15	15
Umber, " "	12	12

CEMENT, LIME, etc.

Cement, Portland, per bbl.	2	2
" English	2	2
" Helgium	3	3
" Thorold	1	1
" Queenston	2	2
" Napante	1	1
" Hull	1	1
" German	2	2
" London	2	2
" Newcastle	2	2
" Belgian	2	2
" Ca-adian	2	2
" Roman	2	2
" Parian	4	4
" Superfine	6	6
Keene's Coarse "Whites"	4	4
Calced plaster, per barrel	2	2
Fire Bricks, Newcastle, per M	20	20
Scotch	30	30
Lime, Per Barrel, Grey	40	40
" " White	55	55
Plaster, Calced, N. B.	2	2
" " N. S.	2	2
Hair, Plasterers, per bag	80	80

HARDWARE.

Cut nails, 5-d & 6d, per keg	2	2
Steel " "	2	2
CUT NAILS, FENCE AND CUT SPIKES.		
40d, hot cut, per 100 lbs	5	5
30d, " "	7	7
20d, 16d and 12d, hot cut, per 100 lbs	15	15
rod, hot cut, per 100 lbs	20	20
8d, 9d, " "	25	25
6d, 7d, " "	40	40
4d to 5d, " "	60	60
3d, " "	100	100
2d, " "	150	150
4d 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
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FINE BLUED NAILS.

3d, per 100 lbs.	1	1
4d, " "	2	2
CASINO AND BOX, FLOORING, SHOOK AND TOBACCO BOX	2	2
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	1
3d, " "	1	1

FINISHING NAILS.

3/4 inch, per 100 lbs.	85	85
5/8 to 3/4 " " "	1	1
3/8 to 5/8 " " "	1	1
1/2 to 3/4 " " "	35	35
1/4 " " "	1	1

SLATING NAILS.

5d, per 100 lbs.	85	85
4d, " "	85	85
3d, " "	1	1
2d, " "	1	1

COMMON BARREL NAILS.

1 inch, per 100 lbs.	1	1
3/4 " " "	1	1
5/8 " " "	2	2

CLINCH NAILS.

1/2 and 3/4 inch, per 100 lbs.	85	85
3/4 and 1 " " "	1	1
1 1/4 and 1 1/2 " " "	1	1
1 3/4 " " "	2	2

SHARP AND FLAT PRESSED NAILS.

3/4 inch, per 100 lbs.	1	1
5/8 and 3/4 " " "	1	1
3/8 and 5/8 " " "	1	1
1/2 and 3/4 " " "	1	1
1/4 " " "	3	3

Structural Iron.

Steel beams, per 100 lbs.	2	2
" channels, " "	2	2
" angles, " "	2	2
" tees, " "	2	2
" plates, " "	2	2
Sheared steel bridge plate	2	2

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