The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of filming, are checked below.							L'Institut a microfilmé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de filmage sont indiqués ci-dessous.									
1 1	ed covers ture de c	•									red pages de couleu					
1 1	damaged ture endo								1/1	_	damaged/ endomma					
Covers restored and/or laminated/ Couverture restaurée et/ou pelliculée								Pages restored and/or laminated/ Pages restaurées et/ou pelliculées								
l l	title missi e de couv	ng/ erture ma	nque					[	/ !		discoloure décolorée					
1 1	ed maps/ géographi	iques en c	ouleur					Pages detachées Pages détachées								
Coloured ink (i.e. other than blue or black)/ Encre de couleur (i.e. autre que bleue ou noire)							Showthrough/ Transparence									
1 5	•	and/or illi lustration							. / !		y of print é inégale			า		
1 1		er materia res docum									uous pag tion cont		n/			
along i La reli	nterior m ure serrée	peut caus	ser de l'o	mbre o						Compi	es index( rend un (d	des) inc				
distorsion le long de la marge intérieure								Title on header taken from:/ Le titre de l'en-tête provient:								
within been o	the text. mitted fro	ed during Wheneve om filming	r possible g/	e, these	have	•				-	age of iss e titre de		nison			
Il se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont							Caption of issue/ Titre de départ de la livraison									
pas été filmées.							Masthead/ Générique (périodiques) de la livraison									
1	onal comn entaires su	nents:/ ipplėment	taires:													
This item is f						•	•									
10 X		14X			8X			22 X			26	X		30×		
	2X		16X			20 X				24 X			28×	<del></del>		32 X

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

Vol. 5.

## APRIL 19, 1894

No. 11

### 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 reyarding contracts open to sender.

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 GANADIAN CONTRACT RECORD, and pledged its members to use this journal as their medium of communication with contractors with respect to advertisements for Tenders.

The following resolution was unanimously adopted at the First Annual Meeting of the Province of Quebec Association of Architects, held in Montreal, Oct. 10th and 11th, 1890: "Moved by M. Perrault, seconded by A. F. Dunlop, that we the Architects of the Province of Quebe nois 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 muy 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 Ganadian 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

C. H. MORTIMER, Publisher,
Confederation Life Building, Toronto.
Montreal Office:
64 Temple Building.

### 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, 1814 feet long, including door 3×3 feet. Pine, natural finish, ground glass in panels. In use little more than a year. Cost over \$30. will be sold at a sacrifice. Box 50, CONTRACT RECORD office.

## TENDERS

will be received by the undersigned until noon of SATURDAY, APRIL 28TH, for the erection of Galleries and for other alterations to Chalmers' Church, Guelph.

ueipn. Plans and Specifications may be seen at our office. No tender necessarily accepted.

LANGLEY & LANGLEY, Architects, Canada Life Chambers, Toronto.



## NOTICE TO CONTRACTORS

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to 11 o clock a.m., Saturday, May 12, 1894, for the following works:—

### A SEWER

on Avenue road, from Boswellavenue to Tannery Creek sewer.

## ASHPALT PAVEMENT

on Bleecker street, from Carlton street to Wellesley

Plans and 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. for the work tendered for over that amount, must accompany 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 17, 1804.



## NOTICE TO CONTRACTORS

Tenders for Annual Supplies.

Tenders will be received by registered post, addressed to the City Engineer, I oronto, up to 1x o'clock a.m. on SATURDAY, 28TH APRIL, 1894, for the supply of

# PORTLAND CEMENT AND BRICK

required by the Works Department for the year ending 31st May, 1895.

Specifications may be seen and forms of tender obtained on and after Saturday, April 21st, 1894, at the office of the City Engineer, Toronto.

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. for 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 ac-

The committee do not bind themselves to accept the lowest or any tender.

DANIEL LAMB, Chairman Committee on Works.

Committee Room, Toronto, April 13, 1894.

## NOTICE TO CONTRACTORS.

Tenders will be received at my office, 15 Gerrard Street, East, up to SATURDAY, the 287H inst., for alterations and additions to the Union Bank Building, Wellington street.

The lowest or any tender not necessarily accepted.

S. H. TOWNSEND, Architect.

## NOTICE TO CONTRACTORS.

Whole or separate tenders will be received at the office of the undersigned, where plans and specifications may be seen, until 6 p.m. on SATURDAY, APRIL 287H, 1874, for the erection of a BRICK SCHOOL BUILDING at Woodbridge, Ont. Persons tendering for the heating and ventilating will be required to give a guarantee of the efficiency of the system which they propose to employ.

ropose to employ.

No tender necessarily accepted.

J. G. HALLETT, Toronto Junction.
Sec. Public School Board, Woodbridge, Ont.

## TENDERS.

Sealed tenders will be received at my office up to so'clock on TUESDAY, MAY 15111, 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 Plans and Specifications may be seen at my office Aid, E. PARNELL, A. ORMSBY GRAYDON, Chairman No. 3 Committee. City Engineer.

### CONTRACTS OPEN.

CHANTRY, ONT .-- Mr. S. M. Seaman will erect a new brick residence.

HOLLAND, MAN .- The residents have decided to erect a new town hall.

PORT ELGIN, ONT .- The dredging of the harbor here is being agitated.

SELKIRK, MAN.-Mr. Mitchell, of Millwood, will erect a saw mill here.

SUDBURY, ONT. - The question of constructing a system of waterworks is under consideration.

PRESCOTT, ONT .- A by-law will be voted on by the ratepayers to raise \$5,000 for fire appliances.

PENETANGUISHENE, ONT .- Mr. Joseph Dusome intends building a new hotel on the site of his present building.

WESTON, ONT .- Messrs. D. Rowntree John Boylan, J. Best, and J. Irwin will each erect a new residence this summer.

LONDON, ONT.-Mr. F. H. Stoneman has taken out a building permit for a brick residence on Dundas street, to cost \$2,100.

HARROWSMITH, ONT .- The Bay of Quinte Ratiway Company will join the K. & P. R. Company in the erection of a union station here.

HINTONBURGH, ONT. A committee has been appointed by the Council to engage an engineer to survey a route for a system of drainage.

KINGSTON, ONT. - Mr. Arthur Ellis, architect, is receiving tenders for the erection of a house on Yonge street, and an addition to a residence on King street.

St. BONIFACE, MAN.—The town proposes to build another bridge across the

Red River, and has asked the Winnipeg City Council to vote \$10,000 towards the cost of construction.

HALIFAN, N. S.—Tenders are invited by Wm. T. Reilly, on behalf of the Board of Works, until the 23rd inst. for the excavation of trenches for sewers on a number of streets.

PORTAGE LA PRAIRIE, MAN.—A reso-solution has been passed by the Town Council recommending that steps be taken at once to secure the construction of a bridge across the Assiniboine river.

NIAGARA FALLS, ON 1. - The Niagara Falls Park and River Railway company will shortly commence the construction of an inclined railway from the river bank opposite the Clifton House to the Maid of the Mist landing.

VICTORIA, B. C. -Mr. W. J. Dowler, City Clerk, invites tenders on behalf of the corporation until the 18th of June for the purchase of \$55,000 worth of debentures.—Plans have been prepared for extensive alterations to the City Hall.

ISLINGTON, ONL. Tenders are invited by Mr. J. D. Evans, Reeve, until the 7th of May, for a steel bridge over the Mimico river on the Lake Shore road. Plans may be seen at the office of Mr. J. McDougall, C. E., Court House, Toronto.

GUELPH, ONT.—Mr. D. Strton, Chairman Board of Managers, will receive tenders until Saturday, the 28th inst., for the erection of galleries and for other alterations in Chalmers' church. Plans may be seen at the store of Mr. Peter Anderson, Wyndham street.

RENFREW, ONT. - Mr. James Rochester, town clerk, will receive tenders until Tuesday, the 1st May, for the erection of a girder iron bridge over the Bonnechere river, in this village. Plans may be seen at the offices of the town clerk or Mr. J. L. Morris, C. E., of Pembroke.

TORONTO JUNCTION, UNI.-Mr. J. A. Toronto, to cost about \$3,000. The erection of a market building is preparing plans for a residence for Mr. W. Hasking, of Port Arthur, to cost about \$3,000, to be constructed of brick; also for a residence for Mt. Luther Anderson, of Lowther ave., Toronto, to cost about \$3,000. The erection of a market building is again being tion of a market building is again being agitated.

Cot Lingwood, Ont. Tenders are invited by the Collingwood Meat Company until the 25th inst. for creeting a three story brick and stone building 200 × 80 ft. in this town. Plans may be seen at the office of Messrs. Taylor Bros.; Thos. Long, president; F. F. Telfer, secretarytreasurer.

WINNIPEG, MAN.--A company of English capitalists will shortly make a proposition to the City Council to take over the city waterworks, to develop the Assimboine water power and to light the city. A company of Montreal capitalists are also said to be desirous of securing the franchise.—It has been decided by the Trustees to enlarge Point Douglas Presbyteman church. An addition will be erected to accommodate 200 persons.—Messrs. Crotty & Cross, who are acting as agents for Mr. Davis, have received instructions to proceed with the erection of his business block on the corner of King and Market streets. Mr. Wheeler's plan has been accepted for the building, which will cost about \$15,000, and will be 100 feet × 60 feet in size, built of brick, with stone basement. Tenders for erection will be invited at once.

OTTAWA, ONT.—The foundation is being laid for the new Y. M. C. A. building, also for the E. B. Eddy Company's new pail factory.-Mr. T. Lindsay has acquired the old Troveller property on Kent street and has decided on the erection of new buildings thereon.—A deputation recently waited on the Minister of Public Works for the Dominion urging that a sum be placed in the estimates for the construction of a bridge over the canal at Maria street. Some three years ago the Government voted the sum of \$105,000 for the construction of this bridge, but the work had never been carried out. Consideration was promised. It is reported that the Dominion supplementary estimates will contain an item of \$75,000 for the construction of a new cruiser for the fishery protection service.

A deputation from Wolfe Island recently waited on the Minister of Public Works urging that the canal through Wolfe Island be thoroughly dredged. The island is about 21 miles long and 7 miles wide.—At a meeting of the City Council held on Tuesday last, it was decided to prepare a by-law for submission to the ratepayers asking for authority to issue debentures for \$315,000 for constructing a trunk sewer, and for \$50,000 for the purchase of an electric light plant.

HAMILTON, ONT.—It is thought that an appropriation will be granted by the Dominion Government for dredging the Burlington Canal. - Three by-laws involv ing an expenditure of \$300,000 will shortly be voted upon by the ratepayers. One provides for \$150,000 for the laying of asphalt pavements on James and King streets, the second for from \$100,000 to \$150,000 for the purchase of electric light plant for the city, and the third for \$50,000 for the erection of a new House of Refuge. The City Engineer is preparing three estimates of the cost of laying permanent pavements on the above named streets. Each plan will provide for a stone curbing and a stone gutter-flag beside it. One plan is for Trinidad asphalt from the gutter flag to the street car rails, finished the outer rail with vitrified brick. Vitrified brick will be used between the rails in the second plan, and the third provides for Trinidad asphalt on the entire track.—Messrs. Wm. Stewart & Son, architects, are receiving tenders until the 24th inst. for the erection of a residence at Burlington Beach.—The Building Committee of the Board of Education has decided to erect the new school for the west end on a portion of Victoria Park. The location for the new school in the east end has not yet been decided.

MONTREAL, QUE.—The question of proceeding with the erection of a contagious diseases hospital is being urged by the Health Committee of the City Council.-The Harbor Commissioners have appointed a deputation to interview the Dominion Government asking for authority to issue debentures to the amount of \$40,000 for the improvement of the harbor. It is proposed to construct wharves at Maissoneuve, at the western portion of the harbor, and an immense basin at Hochelaga.—A supplementary report has been prepared by the engineer on the estimated cost of deepening 800 feet in length of the upper end of Windmill point basin to a depth of 22 feet at low water, and also to 28 feet, the figures being \$189,000 and \$242,000 respectively. It has been decided by the Board that it would be desirable to have it deepened to 28 feet, but that in the meantime the engineer be instructed to proceed with the work, so as to secure a depth of 22 feet at the earliest possible date.—The Grand Trunk Railway Company are said

to be considering the question of installing an electric light plant to light the passenger station and freight shed on Bonaventure street and their shops at Point St. Charles.—The Fire Committee have adopted a report asking for \$60,000 for a new station in the West Ward and \$16,000 for another station in Hochelaga ward. The Committee also ask for an appropriation of \$7,500 for a new steam fire engine.—A petition has been presented to Council asking that the permanent pavement on Sherbrooke street be continued from St. Dominique street westward.—Messrs. Perrault & Mesnard, architects, have completed plans for repairing St. Antoine market. The cost is estimated at \$19,000.

TORONTO, ONT.—The City Engineer has recommended the construction of the following pavements: an asphalt pavement on Adelaide street, from the side of Yonge street to the west side of Church street, cost \$14,800; brick pavement on Wellesley place, from the north side of Wellesley crescent to the north end, cost \$3,350; brick pavement on Cecil street, from the east side of Spading avenue to the West side of Beverley street, cost \$9,570; cedar block pavement on Amelia street, from the east side of Parliament street, cost \$3,900. The work has been approved of by the Board of Works, and will in all probability be carried out.-Mr. Edmund Wragge will receive tenders at the Union Station until Tuesday, the 24th inst., for the steel work, galvanized iron work, painting and glazing, and other work required in the construction of a foot bridge through the present train shed at the Union Station. Plans may be seen at the office of Messrs. Strickland & Symons, architects, 18 Toronto street.—Plans are in course of preparation for the construction of the City and Suburban electric railway from Toronto Junction to Weston.-At a meeting of the Senate of Toronto University held a few days ago, the expenditure of \$40,000 was approved of to equip the proposed chemical laboratory, to furnish the biological museum and to complete the gymnasium.—A by-law has been passed by the Council of the Township of York, providing for the issue of debentures for \$1,058 for constructing a cedar, macadam and gravel roadway on Mackenzie ave., and for \$4.420 for constructing a sewer on Grace Terrace and Pleasant avenue.-The Board of Works will recommend to Council that the widening of the Queen street subway be proceeded with. The plan approved of is for the widening of both sides and diverting Dufferin avenue to the intersection of Queen street and Gladstone avenue. The estimated cost is \$141,000.—The commissioners of the Counties of York and Peel have decided to build a new iron bridge across the Etobicoke river at Silverthorn's, near Summerville. Mr. J. McDougall, C. E., has received instructions to prepare plans and tenders will be invited within the next two weeks.--Preliminary steps have been taken for the erection of a large summer hotel at the Humber. The option of S5 acres of land has been secured. it is proposed to erect an hotel building, pavilion and boat house.-Tenders are invited by the City Engineer until Saturday, the 28th inst., for supplying the following water meters of the Siemens and Adamson pattern: ten 34 inch; twenty 1 inch, eight 2 inch, five 3-inch, four 4-inch and three 5-inch meters.— Building permits have been granted as follows: Robt. Grant, pr. 2 story and attic bk. dwellings, n. w. cor. Dovercourt Road and Dewson st.; Separate School Board, 2 story bk. add. to school, w. side Manning ave., n. of Arthur st., cost \$3,500; Post & Holmes, architects, 3 story wing and alterations to St. Michael's Hospital, cost \$30,000; Mrs. C. Ruthven, 377 Parliament st., 2 story extension and shop front, 346 Parliament st., cost \$1,000.

### FIRES.

A dwelling house on Coleman street, Belleville, Ont., owned by James Mc-Guire, was destroyed by fire on Monday

last.—The Singer Sewing Machine Com-Winona, Ont., owned by George Cline, was burned on the 14th inst. Loss, \$6,000: insurance, \$4,000.—The residence of Neil McPhee, at Collingwood, Ont., was destroyed by fire last week. Loss, \$1,200.—Russell's hotel at Rednersville, Ont., was consumed by fire a few days ont., was consumed by fire a few days ago.—Mr. A. Judd's store at Sterling, Ont., was burned recently. Loss, \$1,000; msurance, \$500.—A brick block at the corner of St. Henri and William streets, Montreal, owned by J. E. Mullin, was badly damaged by fire recently. The total loss will reach \$50,000.—The Central hotel at Clinton, Ont., owned by Mrs. F. Conner and the hotel adjoining owned by Cooper and the hotel adjoining, owned by John Lea were completely destroyed by fire on the 17th inst. Insurance \$3,000 and \$2,200 respectively.-James Flatt's store at Greenway, Man., has been destroyed by fire. Loss, \$3,000.—Sparks & Bailey's saw mill at Vancouver, B. C., was burned last week. Loss, \$2,000.—A disastrous fire occurred at Huntsville, Ont., on the 18th inst., by which the business portion of the village was almost completely destroyed. The burned buildings comprise Thompson's hotel. Pugh's grist mill, the Episcopal church, the telegraph and telephone offices, the post office, and thirty-two business places, together with the steamer Elcelsior, owned by G. F. Marsh. The total loss is estimated at about \$120,000; and the insurance \$10,000.

### CONTRACTS AWARDED.

OAKVILLE, ONT.—The contract for the masonry work of a large swing bridge across the sixteen mile creek in this town has been awarded to Mr. Wm. Gibson. The engineer is Mr. J. McDougall, of Toronto.

WINNIPFG, MAN.—Mr George Browne, architect, has awarded the following contracts: improvements to Mrs. Clark's house on Edmonton street, near Broadway, to W. A. Charlesworth, contract price \$6,600; Dr. Grey's residence on Hargrave street, near Ellice, to Bruce and Madden, price \$4,700.

TORONTO, ONT.—The Board of Works of the City Council on Saturday last awarded the contract for a brick pavement on Dovercourt road, from College to Bloor streets. to Messrs. Shannon and Whillans, at the price of \$10,887.30.—The Harbor Commissioners have awarded the contract for dredging to the Toronto Dry Dock Company, at 15 cents ger yard.

### NEW COMPANIES.

NIAGARA FALLS, ONT.—Colonial Telegraph and Telephone Co., seeking incorporation; capital \$25,000; applicants, J. Dilcher, Buffalo, Joseph Bampfield and John James Bampfield, of Niagara Falls, and others.

TORONTO, ONT.—Heintzman & Co., seeking incorporation; capital stock, \$205,000; to manufacture pianos and other musical instruments; incorporators, T. A. Heintzman, H. Heintzman, Wm. Ray and others.

MONTREAL, QUE.—Citizens Gas Co., seeking incorporation; capital \$62,500; applicants, F. C. Henshaw, F. E. Nelson and others.

AYR, ONT.—Goldie Milling Co., seeking incorporation; capital stock \$180,000; incorporators, D. Goldie, J. Goldie, G. E. Goldie and R. Neilson, of Ayr, and Hugh McCulloch, of Galt.

### BUSINESS NOTES.

Strathy, McRae & Co., contracting carpenters, Montreal, have assigned at the demand of J. W. Lewis.

A. Sigonin & Co., masons, Montreal, have dissolved partnership.

Fabien & Lussier, plasterers, Montreal, have dissolved partnership.

John Graham & Sons, planing mill owners, Inglewood, Ont., have assigned.

## MUNICIPAL DEPARTMENT.

### SANITARY INSPECTORS.

At an examination for inspectors of nuisnnces, held at Manchester, the following were the questions:

(1) Give a summary of the clause relating to the sanitary conveniences of factories contained in Part III. of the Public Health Acts Amendment Act,

(2) State the chief provisions of the Canal Boats Acts, and of the regulations made under them by the Local Government Board.

(3) State in detail the observations and enquines you would make in investigating a smoke nuisance, and the further evidence required to obtain an order for its permanent, abatement.

(4) On receiving (as sanitary inspector) a complaint of nuisance arising from defective house drainage, and having found on inspection that the house drain is defective, state the subsequent action that should be taken.

(5) Explain in detail how you would

(5) Explain in detail how you would proceed if instructed to take a sample of drinking water for analysis.

(6) Describe a cistern so constructed as to prevent pollution of water; give details as to materials, situation and pipes discharging from it.

(7) Show how you calculate the cubic contents of a room 10 ft. in height, 18 × 25ft. in length through the centre and sloping to 6ft. in width at one end. How many adults should be allowed to sleep in it.

(8) How should the isolation of a case of measles be carried out in a patient's own home? What conditions are necessary for its successful accomplishment?

(6) Describe in detail and sketch the best form of closet for a rural district without a sewerage system.

# LEGAL DECISIONS AFFECTING MUNICIPALITIES.

Town of St. Henri vs. L'Union DES ABATTOIRS.—Plaintiffs by the present action claimed a sum of \$517.05, amount of special taxes for the years 1889, 1890 and 1891, upon the immovable property of defendants. The defence was to the effect that by a resolution of the 30th of November, 1880, the council of the municipality, plaintiffs, for the purpose of encouraging the construction of a public abattoir in the municipality, had granted an exemption of twenty years from taxes. In answer to this the plaintiffs alleged that the exemption was personal to Mr. Bickerdike, and did not pass to the defendants. The court held that the defendants' pretension was established, and the action was therefore dismissed.

MCNAMEE VS. CITY OF TORONTO.—By a contract between the plaintiff and the corporation of the City of Toronto, for laying a conduit pipe across Toronto Bay, it was provided that all differences, etc., should be referred to the award, order, arbitrament, and final determination of H., the superintendent in charge of said work. Held, by Chancellor Boyd, that the fact that H. being such superintendent did not disqualify him from acting as arbitrator.

## E. D. MORRIS

Direct Importer and Dealer in

Best English and Canadian

## PORTLAND CEMENTS

Vitrified, Paving and Fire Brichs, Fire Glay, &c.

Omces: 36 Victoria St. - TORONTO

EMENT

25 George St., Toronto.

## MUNICIPAL ENGINEERS, CONTRACTORS, AND MATERIALS.

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

J. M. SHANLY.

J. M. McCarthy,

SHANLY & McCARTHY,

CIVIL ENGINEERS.

STANDARD BUILDING - MONTREAL.

Bridges, Waterworks, Sewemge, Railways, &c.

## WILLIS CHIPMAN, B.A.Sc.,

M. Cun. Soc. C.E.; M. Am. Soc. C. E.; M. Am. W. W. Ass'n.

GIVIL AND SANTARY ENGINEER
Water Works - Sewerage
Sewage Disposat
103 BAY STREET - TORONTO.

# J. McDOUGALL, C. E., ENGINEER COUNTY OF YORK,

Consulting Rugineer for Municipal Work.

Electric Railways and Bridges.

COURT HOUSE, - TORONTO.

## JOHN GALT

C. E. AND M. E., M. CAN. Soc. C. E., Consulting Engineer.

20 Years' Practical Experience in England, United States and Canada in Civil, Sanitary, Hydraulic, and Mechanical Engineering.

SPECIALTIES:
WATERWORKS, SEWERAGE, ELECTRIC RAILWAYS.

Office: Rooms 99 and 100, CANADA LIFE BUILDING. - TORONTO.

## ALAN MAGDOUGALL

M. Can. Soc. C.E. M. Inst. C.E.

Telephone 1838.

Cable Address: M. I. C. E.

CONSULTING CIVIL, SANITARY AND HYDRAULIC ENGINEER

32 East Adelaide St. -TORONTO

# **GEMENT**

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.

## 10,000 BARRELS

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.

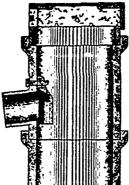
MANUFACTURED BY ESTATE OF JOHN BATTLE, Thorold, Ontario.

Municipal Officers, Contractors and others are requested to mention the CONTRACT RECORD when corresponding with advertisers.

### THE "IMPROVED"

## **GEORGE GULLEY**

OR STREET DRAINING WELL



PATENTED 1885 AND 1893.

Made of cast iron . . and . . vitrified tile. WIN WIN OVER 1000 NOW IN USE.

Not ONE complaint.

For further particulars, apply

LEWIS SKAIFE, Manager 707 New York Life Bldg. MONTREAL.

# CEMENT CONTRACTORS TO THE CITY OF TORONTO. Telephone 1948 or call and see us. ANADA PIPE AND FOUNDRY CO...

Nichols, Smythe & Co.,

MANUFACTURERS OF

BEST AND CHEAPEST IN TORONTO.

JOSSON, PETERS and BURHAM Brands for highest class work.

WHITE HORSE, R. W., IMPERIAL, &C., FROM \$2.00 PER BARREL.

Cast Iron Pipes and Special Castings

Works: MONTREAL AND ST. HENRI, QUE.

CORRESPONDENCE SOLICITED.

## Drummond McCall Pipe Foundry Company, MONTREAL

MANUFACTURERS OF

# AND CAS PIPES

Works: Lachine, Que.

PRICES ON APPLICATION.

### Ontario Water Meter Co., Ltd.

MANUFACTURERS OF

WATER METERS

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

Send for Price Lists and Testimonials. Highly endorsed by leading Engineers.
All information furnished on application to

TORONTO STREET, TORONTO.

OFFICE: Union Loan Buildings,
A. C. WINTON, Secretary-Treas.

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



Manufacturers of

Salt-Glazed, Vitrified

SEWER

Double Strength Railway Cul-

vert Pipes, Inverts, Vents, AND ALL KINDS OF FIRE CLAY GOODS.

### PIPE CO. HAMILTON AND TORONTO SEWER



-For-

SEWERS, **CULVERTS**, AND

WATER PIPES.

Fire Brick Sewers

Write for Discounts.

UNICIPAL

Should see to it that in the erection of town and city PUBLIC BUILD.
INGS, the installation of water works plant, etc., the advantages of . . .

MINERAL WOOL

HEAD OFFICE AND FACTORY: HAMILTON, CANADA.



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

CANADIAN MINERAL WOOL CO., Limited, 122 Bay Street, Toronto.

Montreal Agent: GEO. A. COWAN, Room 23, 204 St. James St.

GEO. R. THOMPSON & CO., Agents, Winnipeg, Man.

# STEVENS & BURNS

London, Ont.

To Municipal Corporations and Contractors:

Hydrants, Yalves, Valve Boxes

and Water Works Supplies generally,

INCLUDING

Tools for tapping mains under pressure

and Service Brass Work of all descriptions.

THE G. & J. BROWN MFG. CO.

Railway and Contractors' Plant.

BELLEVILLE, ONT.

Toronto. Montreal.

Cedar for Kerbing, 4 x 14,

## GENTRAL BRIDGE AND - -- - ENGINEERING COMPANY

(LIMITED) Peterborough, Ont.

WM. H. LAW, Manager and Engineer.

## RAILWAY AND HIGHWAY BRIDGES

Viaducts, Piers, Roofs, Turntables and Girders in Steel and Iron.

Tension members forged without welds. Riveting done by hydraulic or compressed air machines Specialties: Good workmanship and strict adherence to specifications and drawings.

CAPACITY: 2,000 TONS PER ANNUM.

# D. BAER & GO.

... Bear Patent ...

COMBINATION - BRIDGE DOON, ONI.

All communications promptly answered.

# Fire Bricks and Cement

DRAIN AND WATER PIPES SANITARY EARTHENWARE LONDON PORTLAND CEMENT

Paving and Scorie. Bricks for Stables Sidewalks, Yards, etc. Large quantities on hand and to arrive. We handle only the best quality. Prices lower than ever.

# F. HYDE & CO. Wellington Street, - MONTREAL

THE "CRAHTRYX" SMOKE TEST AND DISINFECTING MACHINE.

Municipal Officers, Contractors and others are requested to mention the CONTRACT RECORD
when corresponding with advertisers.

## Prices of Building Materials.

CONDITION OF THE MARKET.

Trade in builders' supplies is assuming an aspect of brightness. The prospects for the lumber business are said to be fairly good. The feature of the cement market has been the sale of 5,000 casks of English brand for shipment during the coming season. A fair local demand is also reported. Business in paints and oils is somewhat brisk and is gradually improving, as is also the case with plumbers' supplies. A fair amount of business is reported in fire bricks, at \$18.00 to \$22.50 per thousand. Hardware and window glass are quiet, with no special feature to announce.

LUMBER.

LUMBER.

CAR OR CARGO LOTS. Toronto Montreal

TOI	OHIO.	montreal.		
\$	\$	\$	\$	
r¥ to z clear picks. Am ins33 o	∞36 ∞	40 000	345 ∞	
1 % to 2 three uppers, Am ins.	37 00	4000	45 ∞	
1 to 2, pickings, Amins	26 on	27 ∞	30 00	
ı inch clear		52 50	တ တ	
3 x 20 and 22 dressing and		_		
x better 20 0		18 ∞	20 00	
x x 10 and 12 will tim · · · · · 19 0	0 1700		1900	
x x 10 and 12 dressing20 0	0 22 00	_	<b>18 00</b>	
z x 10 and 12 common13 c		8∞	1000	
x x 10 and 12 spruce culls10 o	0 11 00	10 ∞	11 00	
2 x 10 2nd 12cult 9 00			900	
z inch clear and picks 28 c		33 00	35 ∞	
x inch dressing and better 20 c	0 22 00	18 ∞	20 00	
z inch siding, mill run14 o	0 25 00	14 00	16 ∞	
z inch siding, common220		12 00	14 00	
z inch siding, ship culls	0 12 00	10 ∞	11 00	
zinch siding, mill culls 9 o		8∞	9∞	
Cull scantling 8 c	0 900	8∞	9∞	
and thicker cutting up				
plank 24 o z inch strips, 4 in to 8 in. mill	0 20 00	23 00	3: ∞	
a menacrips, 4 in to e in min				
1un		1100	25 00	
z inch strips, commonzz oc		11 00	12 CO	
xK inch flooring 16 o	1760	14 CO	25 ∞	
XXX shingles, sawr, per M	17 00	¥4 00	16 00	
The strangers, sawe, per me	- 6-	- 1-		
XX shingles, sawn 50	2 (o	2 60	2 60	
Lath240	1 60	z 65	1 70	
AMILL		_		
YALD QUOTAT	IONS.	•		
Mill cull boards and scantling	10 00		**	
Shipping cull boards, pro-	.000		1000	
miscuous widths	13 00			
Shipping cull boards, stocks	16 co		13 00 16 00	
Hemlock scantling and joist	.00		10.00	
up to 16 ft	0 12 00			
Hemlock scantling and joist	•		10 63	
up to 18 ft	0 12 00	1200	***	
exemiock scantling and loist			13 ∞	
Ep to 20 ft	0 14 00	13 ∞	14 00	
Codar for block paving, per	, 00	-, 00		
cord	5 00		5 ∞	
•	3 00		5 50	

•	per M	14 00	14 00	
,	per M	14 00	14 00	
	" " 20 ft	15 00 16 00	15 00 16 00	
	"	17 00	17 00	
	3 36 11	19 00		
	11 2d ft 11 30 ft	22 00	23 CO	
ē	., ,, 33 [;	24 ∞ 27 ∞	27 00	
3		29 50 31 00	29 50 31 00	
-	38 ft	33 00	33 00	
	Cutting up planks, 134 and	34 00	36 CO	
g	thicker, dry	28 oo	25 00 26 00	
s.	tilicker, positil	24 20	18 00 22 00	
e	1 1/2 in. flooring, dressed, F M. 26 00 1 1/2 inch flooring, rough, B M. 18 00 1 1/2 " dressed, F M. 25 00 1 1/2 " undressed, B M. 18 00	- 7 - 0		
	1 1/4 in flooring, dressed, F M.26 oo	3000	28 00 31 00 18 00 22 00	
-	114 " dressed, F M.25 00	28 00	27 00 30 00	
	undressed, B M.18 00	19 00	1800 1900	
			12 00 15 00	
	Beaded sheeting, dressed20 00 Clapboarding, dressed XXX sawn shingles, per M	35 00	22 00 35 00	
	XXX sawn shingles, per M			
3	Sawn lath 2 50	2 70 2 60	3 00 2 50 2 60	
•	Dedock	3 90	2 90	
	White	40 00 45 00	30 00 40 00 35 00 45 00	
	Cherry, No. 1 and 228 co	30 00	1800 2000	
-	White ash, No. 1 and 224 00	90 00 35 00	70 00 80 00 30 00 35 00	
ŀ	Dressing stocks	30 ∞	1800 3000	
L	Dressing stocks	30 00	40 00	
-	Three uppers, Am. inspection BRICK-W N	50 00	50 ∞	
	Common Walling	7 50	6∞	
	Good Facing 8 50	900	8 50	
	Pressed Brick, Per M:	9∞	850 900	
	Plain brick, I. o. b. at Milton	16 co		
,	and quality	14 00		
	Hard Building	9 00 6 50		
c	Moulded and Ornamental, per	10 00		
	Roof Tiles	24 00		
	Diamond locking tile	10 00		
,	Red "A" f. o. b. Don Valley Red "B" " " " Red "C" " " "	18 00 16 00	25 ∞	
	Red "C" " " "	15 00	20 00 17 00	
	Trojan and Corinthian	33 00 31 00	28 ∞ 29 ∞	
	Athenian and Egyptian	25 00	31 ∞	
•	Tyrian	35 00 40 00	41 00 45 00	
c	Koman	35 ∞	40 00	
D	Carthaginian 30 00 1	40 00	45 00 30 00 100 00	
_				
	1st quality, f.o.b. at Port Credit	14 00 12 00	18 00 15 00	
	rst quality, f.o.b. at Port Credit and """"""""""""""""""""""""""""""""""""	14 00 12 00 8 00	18 00	
•	rst quality, f.o.b. at Port Credit and " " " ard " " " " Hard building brick	14 00 12 00	18 00 15 00	
n	1st quality, f.o.b. at Port Credit 2nd "" " " " " " " " " " " " " " " " " "	14 00 12 00 8 00 6 50	18 00 15 00	
	1st quality, f.o.b. at Port Credit 2nd """" ard """" Hard building brick Ornamental, per 100 3 00	14 00 12 00 8 00 6 50	18 00 15 00	
n -	1st quality, f.o.b. at Port Credit 2nd "" " " " " " " " " " " " " " " " " "	14 00 12 00 8 00 6 50 10 00	12 00 12 00	
-	1st quality, f.o.b. at Port Credit 2nd """ " " " " " " " " " " " " " " " " "	14 00 12 00 8 00 6 50 10 00	1 25	
e f	Ist quality, f.o.b. at Port Credit and """ " Hard building brick	14 00 12 00 8 00 6 50 20 00	18 00 15 00 12 00 1 25	
e f - s	1st quality, f.o.b. at Port Credit 2nd """ 3rd """ "" Hard building brick	14 00 12 00 8 00 6 50 10 00 1 23	18 00 15 00 12 00 1 25 1 4 00 18 00	
e f - s s	rst quality, f.o.b. at Port Credit and """ ard """ "" Hard building brick	14 00 12 00 8 00 6 50 20 00	18 00 15 00 12 00 1 25	
- e f - s s s r	Ist quality, f.o.b. at Port Credit 2nd """  Hard building brick	14 00 12 00 8 00 6 50 10 00 1 23	18 00 15 00 12 00 1 25 1 4 00 18 00	
e f s s r t	1st quality, f.o.b. at Port Credit 2nd """  Hard building brick	14 00 12 00 8 00 6 50 20 00 1 25 14 00 18 00 50	18 00 15 00 12 00 1 25 1 4 00 18 00	
- e f - s s s r	Ist quality, f.o.b. at Port Credit 2nd """  Hard building brick	14 00 8 00 6 50 20 00 1 23 14 00 18 00 50	18 00 15 00 12 00 1 25 14 00 18 00 50	
e f s s r t	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 8 00 6 50 10 00 1 25 14 00 18 00 50 1 00	18 00 15 00 12 00 12 25 14 00 18 00 50	
e f s s r t	Ist quality, f.o.b. at Port Credit 2nd """" Hard building brick	14 00 8 00 6 50 10 00 1 25 14 00 18 00 50 1 00	18 00 12 00 12 00 12 00 14 00 18 00 50 65 75 105	
e f s s r t	rst quality, f.o.b. at Port Credit and """"  Hard building brick	14 00 8 00 6 50 10 00 1 25 14 00 18 00 50 1 00	18 00 12 00 12 00 12 00 14 00 18 00 50 65 75 1 05	
e e f	Ist quality, f.o.b. at Port Credit 2nd """" Hard building brick	14 00 12 00 8 00 6 50 20 00 1 25 14 00 18 00 50 1 00	18 00 12 00 12 00 12 00 14 00 18 00 50 65 75 1 05 70 80	
e f - s s s r t t i e · · · · · · · · · · · · · · · · · ·	Ist quality, f.o.b. at Port Credit and """" Hard building brick	14 00 8 00 6 50 10 00 1 25 14 00 18 00 50 1 00	18 00 12 00 12 00 12 00 14 00 18 00 50 65 75 1 05	
e f - s s s r t t i e · · · · · · · · · · · · · · · · · ·	Ist quality, f.o.b. at Port Credit and """" Hard building brick	14 00 12 00 8 00 6 50 10 00 1 23 14 00 18 00 50 1 00 95 90	18 00 12 00 12 00 12 00 14 00 18 00 50 65 75 1 05	
e f - s s s s r t i i c · · · · · · · · · · · · · · · · ·	Ist quality, f.o.b. at Port Credit 2nd """"  Hard building brick	14 00 12 00 8 00 6 50 20 00 1 23 14 00 18 00 50 1 00 95 90	18 00 12 00 12 00 12 00 14 00 18 00 50 65 75 1 05	
e f - s s s r t t i e · · · · · · · · · · · · · · · · · ·	Ist quality, f.o.b. at Port Credit and """"  Hard building brick	14 00 12 00 8 00 6 50 10 00 1 23 14 00 18 00 50 1 00 95 90	18 00 12 00 12 00 12 00 14 00 18 00 50 65 75 1 05	
eff-sssrttle.	Ist quality, f.o.b. at Port Credit and """"  Hard building brick	14 00 12 00 8 00 6 50 20 00 1 23 14 00 18 00 50 1 00 95 90	18 00 12 00 12 00 12 00 14 00 18 00 50 65 75 1 05	
eff- sssrttie	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 00 6 50 20 00 1 23 14 00 18 00 50 1 00 95 90	18 00 12 00 12 00 14 00 18 00 50 65 75 1 05 70 80 75 80	
eff-sssrttie	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 00 6 50 20 00 1 23 14 00 28 00 1 00 95 90 8 00 1 73 60 2 00 75	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 70 80 75 80	
effessertie . oooo oooooooo	Ist quality, f.o.b. at Port Credit and """"  Hard building brick	14 00 12 00 8 00 6 50 20 00 1 23 14 00 18 00 50 1 00 95 90 8 00 2 00 2 00 75 14 50	18 00 12 00 12 00 12 00 14 00 18 00 50 65 75 1 05 75 80 75 80	
efesssitie · oooo oooooooo	Ist quality, f.o.b. at Port Credit and """"  Hard building brick	14 00 12 00 8 00 6 50 20 00 1 23 14 00 28 00 1 00 95 90 8 00 1 73 60 2 00 75	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 70 80 75 80	
efessive	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 00 6 50 20 00 1 23 14 00 18 00 1 00 95 90 8 00 1 75 60 2 00 75 14 50 32 60	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 70 80 75 80	
-ef-sssrtie	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 6 50 20 00 1 25 14 00 18 00 18 00 1 00 95 90 8 00 1 75 60 2 00 75 14 50 32 60 65 80	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 70 80 75 80	
efessive	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 50 20 00 1 23 14 00 18 00 50 1 00 95 90 8 00 1 75 60 2 00 73 14 50 32 65	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 70 80 75 80	
efisssitie	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 00 6 50 20 00 1 23 14 00 18 00 1 00 95 90 8 00 1 75 60 2 00 75 14 50 32 65 80 85	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 70 80 75 80	
-ef-sssrtie . oooo oooooooooo oo	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 50 20 00 1 23 14 00 18 00 50 1 00 95 90 8 00 2 00 75 14 50 32 65 85 85	18 00 15 00 12 00 12 00 18 00 50 65 75 1 05 70 80 75 80 75 80	
-ef-sssrtie	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 50 20 00 1 23 14 00 18 00 1 00 1 00 1 00 1 00 1 00 1 00	18 00 15 00 12 00 12 00 18 00 50 65 75 1 05 70 80 75 80 75 80	
efisssitie	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 50 20 00 1 23 14 00 18 00 50 1 00 95 90 8 00 2 00 75 14 50 32 65 85 85	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 25 70 80 75 80	
	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 6 50 10 00 1 25 14 00 18 00 18 00 1 00 18 00 1 00 1 00 1 0	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 25 70 80 75 80	
effesssrile . oooo ooooooooooooooooo	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 00 6 50 1 25 14 00 18 00 18 00 1	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 25 70 80 75 80	
	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 00 6 50 1 25 14 00 18 00 18 00 1	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 25 70 80 75 80	
eff-sssrtige . ocoo ocoooooooo o ocoo oo	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 00 6 50 10 00 1 23 14 00 18 00 18 00 19 5 90 8 00 17 5 6 5 90 14 50 14 50 14 50 15 65 8 5 17 5 8 5 8 5 17 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 25 70 80 75 80	
- ef - sssrtle	Ist quality, f.o.b. at Port Credit 2nd  """""""""""""""""""""""""""""""""""	14 00 12 00 8 00 6 50 20 00 1 23 14 00 18 00 18 00 9 50 1 00 1 00	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 25 70 80 75 80	
	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 00 6 50 10 00 1 23 14 00 18 00 18 00 19 5 90 8 00 17 5 6 5 90 14 50 14 50 14 50 15 65 8 5 17 5 8 5 8 5 17 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 25 70 80 75 80	
	Ist quality, f.o.b. at Port Credit 2nd  """""""""""""""""""""""""""""""""""	14 00 12 00 8 50 1 23 14 00 18 00 1 23 14 00 18	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 25 70 80 75 80	
	Ist quality, f.o.b. at Port Credit and """""""""""""""""""""""""""""""""""	14 00 12 00 8 00 6 50 1 23 14 00 18 00 18 00 1	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 25 70 80 75 80	
	ist quality, f.o.b. at Port Credit and """""""""""""""""""""""""""""""""""	14 00 12 00 8 00 6 50 1 23 14 00 18 00 18 00 1	18 00 15 00 12 00  1 25  14 00 18 00 50  65 75 1 05 75 80 75 80 75 80	
	Ist quality, f.o.b. at Port Credit 2nd """""""""""""""""""""""""""""""""""	14 00 12 00 8 00 6 50 10 00 1 23 14 00 18 00 10 00 1 23 14 00 18 00 175 60 65 80 80 80 175 14 50 175 18 00 175 18 00 175 18 00 175 18 00 175 175 175 175 175 175 175 175	18 00 15 00 12 00 12 00 14 00 18 00 50 65 75 1 05 25 70 80 75 80	
	ist quality, f.o.b. at Port Credit and """""""""""""""""""""""""""""""""""	14 00 12 00 6 50 20 00 1 23 14 00 18 00 1	18 00 12 00 12 00 13 00 14 00 18 00 50 65 75 70 80 75 80 75 80	

Toronto. Montreal.	Toronto. Mo	ontreal.
Terra Cotta Tile, per sq 22 00	rod, hot cut, per 100 lbs 20	30
Ornamental Black Slate Roof- ing8 00	80, 90, 11 11 25	25
12,	4d to td. " " " 60	40 60
PAINTS. (In cit, \$ 16.	3d. 11 11 11 11 100	1 00
White lead, Can., per 100 lbs. 6 25 6 50 6 00 6 25	zd, 11 11 11 11 150	1 50
" zinc, Can., 11 11 6 50 7 50 7 50 8 00 Red lead, Eng 5½ 6½ 6	4d to 5d cold cut, not polished or blued, per 100 lbs 50	
Red lead, Eng	3d to 3d cold cut, not polished	50
" venetian, per 100 lbs 160 175 160 175 " vermillion	or blued, per 100 lbs 90	90
" Indian, Eng 10 12 10 12	FINE BLUED HAILS.	
Yellow ochre 5 zo 4 6	3d, per 100 lbs 1 50	1 50
Yellow chrome 15 20 15 20 Green, chrome 7 12 7 12	30, 200	3 00
" Paris 2 40 20 20	CASING AND BOX, FLOORING, SHOOK AND TOB	vcco box
Black lamp 15 25 12 25	rad to god, per rooglbs 50	50
Blue, ultramarine 15 20 12 18	10d. " " 60	őo
Oil, inseed, raw, & Imp. sal. 65 68 63 65 68 boiled 68 72 66 68	8d and 9d, " " 75	75
" boiled " 68° 71 66 68	6d and 7d, " " 90 4d to 5d, " " 1 10	90 I 10
Putty 234 234 234 235	3d, " " 150	I 30
Whiting, dry, per 100 lbs 75 100 60 75	FINISHING NAILS.	
Paris white, Eng., dry 90 1 25 90 1 10 Litharge, Am 6½ 8 6½ 8	inch, per roolbs 85	85
Sienna, burnt	2/3 10 2/4	1 00
Umber, " 8½ 12 12 15	21042	1 15 1 35
CEMENT, LIME, etc.	11/2 " " 175	1 75
Cement, Portland, per bbl 250	1 " " 225	2 25
" English " 275° 205 215	SLATING NAILS.	_
" Belgium " 325 190 200	5d, per 100 lbs	85
" Thorold, " 150	4d, " " 85 3d, " " 125	85 1 25
" Queenston, " 150 " Napanee, " 150	2d, " " 175	1 50
11 Hull, 11 ., 1 50	Common Barrel Nails.	•
11 German. " 265 285	r inch, per son lbs r ro	1 50
ii London 245 290	74 " " " 175	75
11 Newcastle " 235 250 11 Belgian " 230 240	½ " " " 225	2 25
u Canadian " 225 230	CLINCIT HAILS.	
11 Moman 4 275	inch, per 100 lbs. 85	85 1 00
Parisii 430 475	2 and 23/4 " " IIS	115
" Superfine " 6 50 7 00 Keene's Coarse " Whites" 4 50 4 75	11/2 and 11/2 " 1 1 1 1	¥ 35
Calcined plaster, per barrel 1 55 1 70	13/1 " " 2 00	2 00
Fire Bricks, Newcastle, per M 17 50 22 00	1 250	2 50
Lime, Per Barrel, Grey 40	SHARP AND PLAT PRESSED NAILS.	
White 55	3 inch, per 100 lbs. 1 35	¥ \$\$
Plaster, Calcined, N. B 200	23/2 and 23/4 4 4 1 1 50 2 and 23/4 4 4 1 1 65	2 50 2 65
" " N. S 200	1½ and 1½ " " 185	z 85
Hair, Plasterers', per bag 80 100	11/4 " " 250	2 50
HARDWARE.	1 """ 300	3 00
Cut nails, 5cd & 6cd, per keg 2 40 2 25	Structural Iron:	
Steel 11 11 11 2 50 2 35	Stee. eams, per 100 lbs 2 75	3 30
CUT NAILS, PENCE AND CUT SPIKES.  40d, hot cut, per 100 ibs 5 5	Channels, 2 65	2 60
30d. 11 11 11 IO IO	" tees. " 280	2 30 2 65
20d, 16d and 12d, hot cut, per	" plates, " 2 55	2 35
100 lbs 15	Sheared steel bridge plate 2 25	2 35
INDEX TO ADV	VERTISEMENTS	
In the "Canadian Ar	chitect and Builder."	

Architects.
Ontario Directory....III
Queoec Directory.... ii Architectural Sculp-tors and Carvers. Carnovsky, B. H.... IV Holbrook & Molling. Contractors' Plant and Machinery

Architects' Supplies Hearn & Harrison .... IV Art Woodwork.

Carnovsky, B. H.... IV Knechtel, S......viii Otterville Mfg. Co... vii Wagner, Zeidler & Co. IV Bricks (Pressed). 

Co......ix Taylor Bros.....ix Builders' Supplies. Builders' Supples.

Bremner, Alex. ... iv
Currie & Co., W & F P. xii
Maguire Bros. ... in
Miller Bros. & Toms xi
Morris, E D... viii
Rice Lewis & Son. .. IV
Rowe, Geo... ... III
Toronto Lock Co... viii
Vokes Hardware Co.. viii
Vokes Hardware Co.. viii

Building Stone
Dealers.
Carroll, Vick & Co... vii
The Toronto & Orillia
Stone Quarry Co...viii Builders' Hard-ware. Rice Lewis & Son.... IV

Creasole Stains
Cabot, Samuel... iv
Cedar Shingles
McRae & Co..... II
Church and School
Furniture.
Bostwick, Geo. F.... II
Can. Office & School
Furniture Co.... i
Office Specialty Co... vi
Tees & Co..... vi

Cements.
Bremner, Alex.... iv
Currie&Co,W.&F P... xii
Estate of John Battle iv
Maguise Bres... i
Morris, E. D... vi
Vokes Hardware Co.. viii

Church Reflectors Frink, I. P..... II

Rice Lewis & Son... IV Rowe, Geo......II 

Chimney Topping. Bremner, Alex..... iv Currie&Co., W &F.P. xii

Drain Pipe Bremner, Alex.... IV
Currie & Co., W& F. P. xii
Hamilton and Toronto
Sewer Pipe Co... xi
Maguire Bros.... i
Standard Drain Pipe Co..... II Vokes Hardware Co.. viii

Drawing Inks Higgins & Co., C. M. ii Dumb Watters King & Son, Warden xii Electric and Gas Fixtures

Barwell, James ..... IV Elecators
Fensom, John ..... II
Miller Bros. & Toms., xi
Leitch & Turnbull... I Engravers.

Fire Brick and Clay 

Galvanized Iron Workers. Tucker & Dillon..... IV Grates and Tiles. Bostwick, G. F..... II Holbrook&Mollington i Rice Lewis & Son.... IV

Hydraulio Engines Guest & Co..... xii

Heating.
McClary Mfg. Co... xi
Gurney Foundry Co.. xii
King & Son, Warden. xii
Toronto Radiator Mfg
Co.... y

Lime.
Curne & Co, W & F P. xii
Morris, E. D. .... vi
Legal.
Denton & Dods.... II
Morgan, Godfrey St V II

Mantels Bestwick, Geo. F.... II 

Afortar Colors and Shingle Stains. Cabot Samuel, .... iv Maguire Bros.... i bluirhead, Andrew... i

Ornamental Plasterers.
Baker, J. D...... vi
Hynes, W J...... i
Paints & Varnishes. Harris Co., The E... vi Muirhead, Andrew... i

Muirhead, Andrew... i

Paintors.

Paintors.

Belage, Theo... ii

Gilmor & Casey... II

Paving.

The Guelich Silica

Barytic Stone Co... IV

Plasterers

Hynes, W. J.... vii

Hynes, W. J.... vii
Plumbing Supplies
Barwell, James... IV
Dominion Sanitary
Pottery Co.... x
Malcolm, W. B... x
Sanitas Mig. Co... II
Toronto Steel Clad Eath
& Metal Co... vit
McRae & Co... II

Roofing Materials
Merchant & Co.... ii
Metallic Roofing Co.. vii
Warren Chemical &
Mfg. Co..... ii

Míg. Co... ii

Roofers

Douglas Bros... II

Duthie & Sons, G... II

Hutson, W. D... II

Metallic Roofing Co.. vii

Rennie & Son, R... II

Stewart, W. T... II

Warren Chemical &

Míg. Co... ii

Reproduction of Drawings New Color Process Co. vii

Sliding Blinds Lea & Seaman..... II

Lea & Seaman. II

Stained and Decorative Glass

Castle & Son. v
Dominion Glass Co. v
Domke, W. Liliott & Son. I

Gilson Bros. Stained
Glass Works. v
Grimson, G. & J. E. v
Hobbs Mfg. Co. v
Horwood & Sons, H. v
McCausland & Son. iv
Longhurst, H. iv
Longhurst, H. iv
Longhurst, H. v
X Emmay & Son, A. v

Temperature Requ-

Temperature Regu-lator Teronto Radiator Co. v Terra Cotta
The Raritan Hollow &
Porous Erick Co..... vi

Wall Paper and Celling Decorations Elliott & Son..... II WireManufacturers
B. Greening Wire Co. IV
Meadows, Geo. B.... ii

Wall Plaster Novell & Co, B. L... vi Wall Tie Mac Machine Co... viii