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This paper reaches every week the Town and City Clerks, Town and City Engineers, County Clerks and County Engineers, Purchasers of Municipal Debentures and leading Contractors in all lines throughout Canada.

VOL 8

MAY 20, 1897

No. 16.

### THE CANADIAN CONTRACT RECORD,

Market Branch American Commencer

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.

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Information solicited from any part of the Dominion regarding contracts open to tender

Advertising Rates on application.

### **Notice to Contractors**

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

### C. H. MORTIMER, Publisher,

Confederation Life Building, TORONTO.

Brauch office: New York Life Building, Montreal.

### TENDERS FOR SIDEWALKS

Scaled tenders, addressed to Robert Emerson, Esq., Chairman Board of Works. Collingwood, will be received up to MAY 28711, 1897, for the laying down of a quantity of cement sidewalks on several streets of the said town. Tenders to state the amount per square foot for furnishing labor and material and removing all refuse, as per plans and specifications which may be seen at the Town Clerk's office, Collingwood.

The lowest or any tender not necessarily accepted.

JOHN HOGG, Town Clerk. Collingwood, May 15, 1897.

# TENDERS FOR TOWN HALL

Tenders, whole or separate, will be received by registered post only, addressed to the undersigned, up to four o'clock, p.m. on TUESDAY. JUNF IST NEXT for the erection of a Town Hall in the town of Walker.

for the erection of a Town Hall in the town of Walker-ton, Ont.

Plans and specifications may be seen at the effice of the Town Clerk, of at the office of Mr. A. R. Denison, 20 King St. West, Toronto. Any information required can be obtained from the Architect or Building Com

mittee.
A deposit in the form of a marked cheque, payable to the order of the Town Treasurer, for the sum of \$2 of the value of the work tendered for, must accompany each and every tender, and which will be forfeited to the town in the event of the party tendering refusing to enter into a contract.

The lowest or any tender not necessarily accepted.

A. MENZIES, Mayor.

### 36-INCH STEEL SEWER PIPE

Tenders for 719 feet of 36-inch steel sewer pipe will be received at this office (where plans and specifications may be obtained), up to 5 O'CLOCK ON THURSDAY, MAY 2711.

A. O. GRAYDON, City Engineer, London, Ont.

WILLIS CHIPMAN, C.E., Consulting Engineer.

### TENDERS

Tenders will be received up till noon, SATURDAY, THE 29TH INST., for the different trades required in the erection of an Office Building, corner of King and Yonge streets:

Excavating, Masons and Description of the Excavating of the Samuel Control of the Samuel Co

Yonge streets: Excavating, Masonry and Bnckwork, Carpentry, Plastering, Tinsmithing and Roofing, Painting and Glazing, Ironwork, Ornamental Ironwork, Electric Elevators, Plumbing, Heating, &c.
Plans and specifications may be seen at the office of

DARLING & PEARSON, Architects,
Mail Building, Toronto.

Lowest or any tender not necessarily accepted



### TENDERS FOR ROADWAYS AND SIDEWALKS

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to NOON ON THURSDAY, THE 2711 INST., for the following works:—

### BRICK PAVEMENTS.

Walmer road, from Bloor street to Lowther avenue, St. Joseph street, from Yonge street to St. Vincent

street.
Hill street, from Dunbar road to Glen road (track

Dufferin street, from King street to G. T. R. Railway (track allowance)

### CEDAR BLOCK.

Baldwin street, from McCaul street to Beverley street

### MACADAM.

Classic place, from Huron street to east end.

### GRAVEL ROAD.

Lisgar street, from Queen street to Afton avenue.

### CONCRETE SIDEWALKS.

Prince Arthur avenue, s.s., from Avenue road to Bed-

West Market street, w.s., from King street to Front

street. Church street, e.s., from King street to Adelaide street.

street.

Specifications may be seen and forms of tender obtained at the office of the City Engineer, City Hall, Toronto, on and after Thursday 20th May, 1897.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 2½ per cent. on the value of the work tendered for, must accompany cach and every tender, otherwise they will not be entertained.

Tenders must bear the bona-fide signature of the contractor and his sureties, or they will be ruled out as informal.

Lowest or any tender not necessarily accepted

R. J. FLEMING (Mayor), Chairman Board of Control.

City Hall, Toronto, May 13, 1897.

# Asphalt Paying

## NOTICE TO CONTRACTORS

Tenders addressed to Ald. Wallace, Chairman of Board of Works, Ottawa, and endorsed "Tenders for Asphalt Paving," will be received by registered letter only at the post-office, or by the mails due before

### Noon of Wednesday, May 26th, 1897,

for the construction of an asphalt roadway on Bank street, between Maria and Ann streets.

The specifications and conditions of agreement can be seen on application at the City Engineer's office, City Hall, Ottawa.

Each tender must be accompanied by an accepted bank cheque, anade payable to the City Treasurer, for the sum of \$5,500, which sum will be forfeited if the party declines to enter into the contract when called upon so to do. If any tender be not accepted the cheque submitted will be returned.

All tenders must be on the printed forms funished, with the several prices properly filled in, and accompanied with the required cheques, or they will be ruled out as informal. The corporation do not bind themselves to accept the lowest or any tender.

ROBERT SURTEES,

City Engineer.

City Engineer's office, City. Hall, Ottawa, May 10th, 1897.

### CONTRACTS OPEN.

INGERSOLL, ONT.—The erection of a hospital is proposed.

CHILLIWACK, B. C .- Rev. W. B. Allen invites tenders for the erection of a church.

MILLTOWN, N. B. - Improved machinery will be placed in the St. Croix cotton mill.

BLENHEIM, ONT .- Tenders are asked by S. Wodehouse for building a brick fire

SHAWVILLE, ONT.-G. F. Hodgins is building the foundation of a residence, 40 x 50 feet.

HULL, QUE. - The council has appropriated the sum of \$3,500 for improving the streets.

RIVERSDIE, N. B. - Governor Mc-Clenan contemplates erecting a large hotel at this place.

CAISTOR CORNERS, ONT.—The Mennonites contemplate the erection of a \$2,000 church.

HILLSBORO, N. B .- It is understood that a joint stock company will build a large hotel here.

COLDWATER, ONT. - Subscriptions are being received towards the proposed Presbyterian church.

PETERBORO, ONT. -St. George street Methodist church congregation will build a new parsonage.

RAT PORTAGE, ONT .- E. Arnold, of the Russell House, has decided to build a house on Second street.

ARNPRIOR, ONT.—The sum of \$4,500

will be borrowed for building an addition to the public school.

MITCHELL, ONT.—The sum of \$1,600 has been subscribed towards the proposed Trinity church.

DRAYTON, ONT.—The rebuilding of the Christian church is under consideration by the congregation.

HUNTSVILLE, ONT. — J. F. Waters wants tenders before June 1st for building a frame school house.

OWEN SOUND, ONT.—H. G. Hopkirk was in the city recently looking for a site for the new post-office.

STRATFORD, ONT. — The city will shortly undertake the construction of sewers on several streets.

REVELSTOKE, B. C.—The provincial government have purchased a site for the proposed government building.

HALIFAX, N. S.—A large appropriation has been made by the city council for the construction of sewers this year.

CORNWALL, ONT.—It is said to be the intention of McIntyre & Campbell to erect a departmental store on Pitt street.

SPRINGFIELD, N. B.—W. Davis, of St. John, purposes erecting a mill and factory at Hatfield's Point, near this place.

MERVALE, ONT.—The plans of M. C. Edey, architect, of Ottawa, have been accepted for the new school house.

CARMAN, MAN.—Peters & Winkler, who are erecting a grist mill here, will probably install an electric light plant.

DIGBY, N. S.—A brick recording office, with large vault, will be erected by the municipal councils of Digby and Clare.

BELLEVILLE, ONT.—W. N. Pontoon asks tenders until the 22nd inst. for repairs to the Pitseathly terrace on Ann st.

TILSONBURG, ONT.—A. E. Raynes, town clerk, invites tenders until the 21st inst. for the purchase of \$8,000 of debentures.

AILSA CRA G, ONT.—J. M. Moore, C. E., of London, has been engaged to take levels for the proposed waterworks system for this village.

VICTORIA, B. C.—The question of building an addition to the rectory will shortly be considered by the vestry of Christ's church cathedral.

CHATHAM, ONT.—George J. Fielder has thrown up his contract for paving King street west, and new tenders for the work will be invited.

MONCTON, N. B.—The sum of \$500 has been subscribed towards the proposed hospital.—The new Intercolonial Railway station will be built of stone and brick.

WOODSTOCK, ONT.—Some members of the board of trade favor submitting a bylaw to the people to raise the sum of \$30,-000 for road machinery and improvements.

VICTORIA HARBOR, ONT.—The Victoria Harbor Lumber Company will erect a planing mill this season, 98 x 48 feet, with two planers, a matcher and a re-saw.

PARRY SOUND, ONT. — Work will shortly be commenced on the new I.O.O. F. building, the plans of Mr. Henry Simpson, architect, of Toronto, having been accepted.

DUNDAS, ONT.—By-laws to raise \$3,-500 for building a fire-hall, and \$5,500 for rebuilding the dam, have been passed by the council, and will shortly be submitted to the ratepayers.

WYOMING, ONT.—Tenders are asked by Hugh Montgomery, reeve of Plympton township, up to May 29th, for constructing a bridge, 60 feet long, with stone abutments and four wings, over Bear creek.

MOUNT FOREST, ONT.—Luke Madigun, of this town, who has been given the contract for harbor improvements at Goderich, will shortly invite tenders for the timber, iron, etc., required in the work.

ESQUIMALT, B. C. — The Imperial authorities have decided to build a lock-up at this place, plans for which have been prepared by a Victoria architect. The cost of the building will be about \$30,000.

FREDERICTON, N. B.—W. Holden is preparing to erect a residence.—Plans have been prepared for a new warehouse and office building for the Star Line Company.—It is probable that a stone and brick hose station will be built by the city.

GUELPH, ONT—Tenders are being received this week by C R. Bruce, architect, for the erection of a residence for C. Raymond. Plans at 37 Oxford street.—The Board of Works have recommended to council the purchase of a steam road roller.

AYLMER, QUE.—E. J. Rainboth, C.E., of Ottawa, has prepared plans and specifications for a system of sewerage for the town. The specifications call for trunk sewers with 9-inch branches, also 45 gratings for carrying off surface water. A steel or cast iron pipe 1,000 feet in length will extend into the lake. Estimated cost, \$20,000.

BARRIE, ONT.—The directors of the Barrie hospital have authorized the preparation of plans for an addition to the building.—The Barrie Water Works Company want the town to guarantee their bonds for \$80,000, in return for which they offer to extend the system to Allandale ward and put in ten new hydrants.

KINGSTON, ONT.—W. Newlands, architect, is receiving tenders for the erection of a brick residence for Professor Cappon.—Arthur Ellis, architect, will prepare plans for enlarging the public school building at Portsmouth.—Plans have been prepared for an addition to the Hotel Dieu.—A scheme is on foot to build an arcade between Princess and Brock streets.—Power & Son, architects, are receiving tenders this week for the erection of two houses on Brock street.

ST. JOHN, N. B.—Weldon & McLean, architects, are inviting tenders this week for the erection of a dwelling house.—Cold storage buildings will be erected at Halifax, N. S., Charlottetown, P.E.I., and in this city.—H. H. Mott, architect, will shortly invite tenders for a two-story dwelling for C. T. Nevins. The same architect has prepared plans for a two-story tenement house to be built on Douglas avenue by G. W. Hoben, and for a frame church for the Episcopalians of Red Head.

NELSON, B. C.—The contract for construction of the Slocan river railway from Slocan Crossing to Slocan city has not yet been let. The road will be 30 miles in length.—J. A. and W. B. Honeyman, of Portland, Ore., have decided to erect a foundry and machine shop at this place, to be 50 x 60 ft., with additions and outbuildings. The plant will cost \$10,000.—The City Council have resolved to invite plans and specifications for a system of waterworks and sewerage for this city, price of accepted plans and specifications to be \$500.

HAMILTON, ONT. — Wm. & Walter Stewart, architects, have prepared plans for remodelling the old post-office for the Sun Life Assurance Company, at a cost of \$40,000.—The board of governors of the hospital have not yet finally approved of the plans for the proposed addition, to cost \$7,000. — E. Patterson has been granted a building permit for a two-story brick dwelling on Catherine street, to cost \$2,000.—Mr. W. T. Jennings, C. E., of Toronto, will have charge of the conversion of the Hamilton and Dundas railway into an electric line.

QUEBEC, QUE.—E. M. Talbot, architect, has prepared plans for an hotel building for Mr. Bellerive; pressed brick and sandstone, four storys high, 120 x 90 feet

in size, containing 113 rooms, with two large stores on the ground floor, equipped with elevator, modern baths, hot water heating, etc. Estimated cost, \$45,000.— A building permit has been granted for reparations of a house on Colomb street, two stories, 30 x 37 feet, for P. Leclere; builder, M. Drouin.—The Anglican church have decided on the erection of a sechouse, at a cost of \$6,000.

LONDON, ONT.—It is the intention of the London Street Railway Company to extend their line to Pottersburg, at a cost of \$10,000.—H. Warner has been granted a permit for alterations and additions to a residence on Waterloo street.—R. H. Weir will erect a brick veneer residence corner Dufferin ave. and Adelaide street.—The city engineer estimates the cost of the proposed traffic bridge and viaduct at the foot of King street at \$7,000 for the superstructure and \$4,000 for the stonework.—The committee appointed by the Middlesex county council to inspect the Kilworth bridge have decided that a span of 260 feet, 12 feet high, with stone abutments, would be required, which will cost \$14,000.—It is stated that W. G. Reid has in contemplation the erection of a large opera house on Dundas street.

Montreal, Que. — A. F. Dunlop, architect, has prepared plans for the concert hall building to be erected by D. W. Karn & Co.—The city council have concurred in the report of the Road Committee recommending an appropriation of \$45,000 to pave Notre Dame street west, and \$10,000 for the quarries. — The Finance Committee has granted the sum of \$7,000 for the construction of new city stables on Papineau road —At the next meeting of the Finance Committee plans will be presented of a new building to accommodate the recorder's court and central police station.—The recommendation of the boiler inspector that two of the large fire engines be replaced by new ones, has been considered unfavorably by the city council.—Building operations at Westmount promise to be brisk. Harry Lawlor is preparing to build two semi-detached residences and A. Nelson Ferrier is about to erect two houses.—The Montieal street railway will probably be extended to Verdun.

WINNIPEG, MAN.—I. M. Ross is building a three-story brick block on Main street, to be used as an hotel and to contain 62 rooms.—The city connoil has given notice of its intention to construct macadam roadways on several streets.—A number of large milling and grain companies will build elevators throughout the province this summer. A company of Scotch capitalists has been formed to trade in Manitoba wheat. This company will erect two or three elevators in the southern part of the province.—Tenders will be invited shortly for improvements to the Central school, the cost of which will be about \$15,000.—Plans have been prepared and work will shortly be commenced for the reconstruction of the Bijou theatre.—The city is receiving tenders this week for macadam roadways.—While architects do not expect a large number of new buildings to be erected this season, they say considerable work will be done in improvements, such as stone foundations and remodelling of residential terraces.

TORONTO, ONT.—Ground has been broken for new dwellings on the west side near the head of St. George street, and on Howland ave., corner of Lowther ave.—The plans of Mr. Henry Simpson, architect, of this city, have been accepted for the new I.O.O.F. building at Parry Sound. It will be built of brick and stone, and will cost about \$6,000.—Building permits have been granted as follows: Daniel Conboy, 493 King st. w., 2 story and attic bk. dwelling at 487 King st. west, cost \$3,800; Strickland & Symons, architects, 2 story and attic bk. dwelling, Huron st., w. side, n. of Bloor st., cost \$9,000; James

Maria Caracter Services and the

Fairhead, 43 Esplanade st., large ice house, cost \$1,250.—Property owners on Walmer road have petitioned for a brick pavement, laid on gravel.—At a meeting of the House of Industry board held on Tuesday last the Building Committee recommended that the present east wing be raised to three stories in height, and that there should be an extension to the rear of the centre of the present building for an upstairs dining room. The cost was given at \$17,500.—The ratepayers of East Toronto will shortly be asked to raise \$5,000 for additions to school building. The question of lighting the village is now under consideration. The cost of an electric light plant would be about \$15,000.

OTTAWA, ONT.—G. M. Baily, architect, invites tenders until to-morrow (Friday) for the erection of a building, corner Cooper and Kent streets, for John Lebett. Plans at the office of the architect, 22 Metcalfe street.—The members of Wel-come Zion Congregational church intend enlarging the edifice. Rev. Mr. Horsey is now making arrangements for the proposed improvements. - George Harris has been granted a building permit for six houses on Sweetland ave.—The proposed improvements to Knox church have been postponed until the spring of 1898.—A proposal has been made to build an elevated platform at the O.A.A.C. grounds.— Alderman Hastey recommends the pur-chase of another hook and ladder truck; also the improvement of No. 3 fire station.

—Hon. J. I. Tarte, Minister of Public Works, has sent out invitations for tenders for terra cotta fire-proof flooring and iron joists necessary in connection with the re-construction of the western block.—It is said that Mr. J. R. Booth, of this city, is interested in a scheme to build a railway from Winnipeg to Duluth.—The new St. Joseph's orphanage to be built at New Edinburgh will be 100 x 50 feet, three stories, with two wings 75 x 60 feet, and slate roof; estimated cost \$13,000. Ald. Durocher can give particulars.—A deputation from Glengarry county requested the Dominion government to proceed with the completion of the reformatory at Alexandria. In reply the Minister of Public Works stated that the government had not yet decided what course would be adopted, as the establishment of a reformatory in each province was being considered.

### FIRES.

An elevator and grain warehouse at Haycroft, Ont., owned by J. B. Springer & Co., of Chatham, was burned on the 15th inst.; loss \$5,000.—Davidson's old saw mill on the Allandale road, near Barrie, owned by John Strathy, was recently destroyed by fire; insurance \$1,000.—Fire at St. Anne's, a village near Smithville, Ont., destroyed the flour and grist mill owned by S. Morley, at a loss of \$7,000.—The Nova Scotia Lumber Company's mills at Sherbrooke, Que., were burned on the 13th inst., at a loss of \$29,000; insurance \$15,000.—The saw mill at Bornholm, Ont., belonging to William Ryan, of Mitchell, was burned last week.—A portable saw mill at Three Mile Brook, near Dorchester, N. B., owned by Robert Kay, was burned last week.—St. Patrick's R. C. church at Sherbrooke, Que., was recently gutted by fire, at a loss of several thousand dollars.—At Thurso, Que., on the 16th inst., fire destroyed two stores, a carriage shop and four houses, at a loss of \$20,000.—Curry, Watson & Company's drug warehouse on St. Jean Baptiste street, Montreal, was recently damaged by fire to the extent of \$4,000.—The warehouse of the William Sclater Company, on Foundling street, in the same city, was damaged to the extent of \$4,000.—The warehouse of the William Sclater Company, on Foundling street, in the same city, was damaged to the extent of \$10,000.—The C. P. R. station at West Selkirk, Man., has been destroyed by fire.—Cyr's

block, corner Delmelle and St. James sts., St. Henri, Que., containing six dwellings, was burned on Tuesday. The loss will be about \$6,000.

#### CONTRACTS AWARDED.

BEILEVIILE, ONT.—George Reeves has secured the contract for rebuilding the Haines & Lockett block.

CHAPLEAU, ONT.—Gordon & White, of Pembroke, have secured the contract for the erection of a new parsonage here.

MERRITTON, ONT.—The tender of Alex. Anderson, of Toronto, has been accepted for an electric fire alarm system; price \$0.50.

FREDERICTON, N. B.—Contracts for laying and connecting street services for the year has been let to the plumbing firm of O'Brien. & McGoldrick.

HALIFAX, N. S.—The contract for the Roy building, corner Barrington and Granville streets, has been let to M. E. Keefe, at a figure above \$40,000.

WINNIPEG, MAN.—Tenders have been accepted as below by the Exhibition Association: Erection of pig pens, R. D. Johnston, \$650; grand stand, S. B. Ritchie, \$4,489.

HUNTSVILLE, ONT.—Whole tenders for the new Methodist chuich were received as follows: Mr. Eaton, Orillia, \$4,186; Irons & Booth, Huntsville, \$4,100; Geo. Hutchison, Huntsville, \$3,900. The latter has been accepted.

PARRSBORO, N. S.— Fifteen tenders were received for constructing the waterworks system here. The laying of the pipe has been given to McIntosh & McGregor, of Stellarton, and the building of the dam to McManus & Davidson, of North Sydney.

TORONTO, ONT.—Tenders for public library improvements have been accepted as follows: Interior hallsand passages, M. O'Connor, \$47.30; Alexander & Son,

balance of interior, \$669, exterior work, Pearcy Taylor, \$237.—The York County Commissioners have let the contract for the superstructure of the York Mills bridge to the King Bridge Company, of Cleveland, Ohio, at \$1,675.15.—The Board of Control have accepted the tender of Smith Bros., of this city, for a two horse hose waggon, at the price of \$258. Tenders for bridges required for the widening of the Queen street subway were received as follows: No. 1, to carry G. T. R. tracks, \$14,589, to carry C. P. R. tracks, \$8,950; No. 2, \$16,464 and \$6,990 respectively; No. 3, \$12,025 and \$7,163 re spectively. The tender of the Hamilton Bridge Company, No. 2, has been recommended for acceptance.

Montreal, Que.—Arthur J. Cooke, architect, has let contracts as follows: Residence on Dorchester street for Dr. T. P. Shaw—masonry and cut stone, R. Sharp; brickwork, E. Gauthier; carpenter and joiner's work, R. Sharp; steel work, Dominion Bridge Co.; roofing, Campbell & Gilday; plumbing, H. Creed & Son; plastering, H. Contant; painting, W. Knowles; electric wiring, C. W. Henderson. Residence on Rosemount ave., Westmount, for Mr. L. H. Packard—masonry and cut stone, R. Sharp; brickwork, E. Gauthier; carpenter and joiner's work, M. Desantels; steel work, Dominion Bridge Co.; roofing, Campbell & Gilday; plumbing, H. Creed & Son; plastering, H. Oram; painting, W. J. Ryan.—James Wright, architect, has awarded the following contracts. Apartment houses on Clarke avenue, Westmount, for R. Neville, Jr.—masonry, F. Deslauriers; bricklaying, M. St. Aubin; plumbing, Geo. R. Woodburn, plastering, H. Contant; carpentry, R. Neville, Jr. Apartment house, corner Lewis avenue and St. Catharine street, for James King—masonry, E. Desjardins; bricklaying, M. Carriere; carpentry, F. Marcotte; iron work, Dominion Bridge Co.—Building

HE Authorities at Ottawa have been investigating the merits of the new Wall Plaster, known as

# "ASBESTIC"

which is nearly the pure product of Asbestos, and possesses all the remarkable qualities of that mineral, being Absolutely Fire-Proof, and as a Plaster, Cohesive and Elastic, besides allowing a Perfect Surface Finish. The result of such examination and investigation, from actual work done in Ottawa, and the opinions of eminent Architects, is to prove that it is all that it is claimed to be. A large order has been given for this material, which is to be used in the reconstruction of the Parliament Buildings, lately destroyed by fire.

The Authorities have shown great wisdom in their choice, as the cost over ordinary plaster is very trifling, and the advantages so manifest to every Architect who has given this remarkable production careful attention, that it cannot fail to commend itself as a positive assurance of safety against fire risk, entailing the minimum of cost for such an object.

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permits have been granted as follows: One house, three tenements, on Montana street, for J. A. Allard—architect, Wm. Tremblay: carpentry, J. A. Allard. One dwelling, corner Dorchester and Montally streets streets from front perchaster. & Amos; masonry, Labelle & Payette; carpentry, Lambert & Son; brick work, Labelle & Payette. One building on Stanley street for Roswell Fisher -architects, Brown & MacVicar masonry, Geo. Morrison & Co., carpentry, Simpson & Peel; bricklaying, Amos Cowen

### TENDERS BY CONTRACTORS.

Care should always be taken not to accept a tender absolutely, but only conditionally on the builder signing a contract in a prescribed form and also, in some cases, finding sureties, to be approved by the employer, for the due execution of the work. A tender made by a contractor, and an acceptance by the employer, constitute in law a binding contract when the acceptance is unqualified, and no new terms are contemplated. An intimation in the written acceptance of a tender that a contract will be afterwards prepared, does not prevent the parties from becoming bound to perform the terms in the tender and acceptance respectively mentioned, if at the time when the documents were signed the parties had a contracting mind, and it was their intention thereby to enter into an agreement, and the preparation of the contract was contemplated merely for the purpose of expressing the agreement already arrived at in formal language. A, a railway contractor, met B and several others in order to receive tenders with reference to certain work. A read a specification with reference to the work, after which B and the others handed in their tenders. B's tender was signed with his name, but there was no evidence that it was in his handwriting. Held, notwithstanding, that such tender taken with the specification sufficiently proved the contract (Allen v. Yoxall, I C and R 315). The following case illustrates when there is a mere proposal, and not a binding contract. Guardians issued an advertisement stating that they would receive tenders for the supply of the workhouse with meat for three months, from 30 to 50 stone, that tenders were to be forwarded, and that all contractors would have to sign a written

contract after acceptance of the tender. A butcher wrote to the Guardians as follows: "I propose to supply your houses with meat according to advertisement for the next six months at 6d. per pound." His proposal was accepted and he was informed that he was appointed butcher, upon which he immediately declined the appointment. Held, that the transaction amounted merely to a proposal for a contract, and that there was no binding agreement till a written agreement had been signed (Kingston-upon-Hull Governors v. Petch, 10 Ex. 611 24 L.J., Ex. 23.)

The person inviting tenders may at any

moment revoke his invitation; consequently the expenses of making a tender or at tending a sale cannot be recovered from the person who invite the tender or adver-tise the sale. If a builder obtains accept ance of his tender by offering a com-mission to the employer's architect or other agent, the employer can either avoid

the contract, or if he has gone on he can, besides recovering the bribe from the guilty agent, further recover damages from the bribing tenderer. But he is not entitled to follow the money received as a bribe through the account of the agent as trust money. If the tender is for a contract with a public body both the builder and the architect, surveyor, or other employee, or member of the public body, are liable to criminal proceedings for a corrupt practice under the Public Bodies Corrupt Practices Act, 1889. The employer is of course liable for any fraud or misrepresentation made by him in inviting the tenders, and if the representation was material and acted on the mind of the party tendering, such person tendering may bring an action for rescision of the contract, but when a contract has been acted upon by a party to it with a knowledge of all the facts, he has elected and cannot avoid it when the result has turned out to his disadvan-

(To be Continued)

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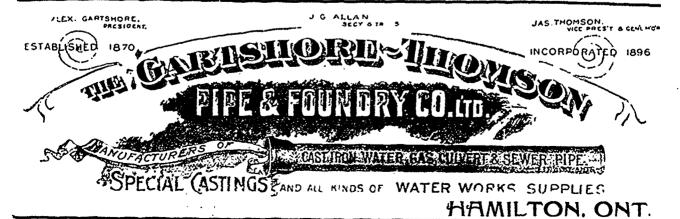
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# MUNICIPAL DEPARTMENT

### MUNICIPAL ENGINEERING IN ONTARIO.\*

By Hernert J. Bowman, O.L.S., M. Can. Soc. C.L. In the Oniario "Manicipal Act" it is provided that

"The Council of every county, township, city, town, and incorporated village may pass by laws for appointing such Pound-keepers, Fence Viewers, Overseer of Highways, Road Surveyors, Road Commission ers, Valuators, Game Inspectors, and other officers as are necessary in the affairs of the corporation, or for carrying into effect the provisions of any act of the legislature or by law of the corporation, or for the removal of such officers, but nothing in this act shall prevent any member of the corporation from acting as commissioner, superintendent or overseer, over any road or work undertaken and carried on, in part or in whole, at the expense of the corporation, and it shall be lawful for the municipality to pay such member of the corporation acting as such commissioner, superintendent or overseer."

The foregoing extract may suggest that in the past municipal engineers have not been of such frequent occurrence or importance as pound-keepers, etc., having been classed with the nameless "other officers" of corporations. In a great many of the smaller towns, although expending considerable sums on waterworks, drainage, road improvements, etc., no engineer is employed. A committee of the municipal council is given complete charge of certain work and proceed to carry their ideas into effect, or the whole matter may be left in the hands of the chairman, the other members of the committee being too busy or lacking in interest. If the chairman does not take personal charge of the work, he secures some other "practical" man to act as commissioner, superintendent or overseer, usually some ambitious carpenter or other mechanic, 'e proud possessor of a spirit level and a two-foot rule and the work is proceeded with

rule, and the work is proceeded with

If, however, the work in hand is to be
let by contract, and the "practical" man
does not feel equal to the energency of
preparing specifications, an advertisement
is prepared after the manner of the following printed in a late paper

The Iown of——contemplate building, during the coming summer, granolithic sidewalks of four (4) feet and upward in width, and will be pleased to receive suggestions and figures as to style of construction (specifications) and cost of same, from parties in that line of business

Cheap and durable walks are what are wanted.

It is not necessary to point out the defects in such a method of carrying on public works, except to say that the chances are that the honest contractors will be beaten and good work will not bescured. Undertakings of greater importance, such as waterworks and sewerage, are often advertised as open for tenders, each contractor to furnish his own plans and specifications, and the contract is awarded by a council composed, perhaps, of good business men, but men who know very little about the engineering questions involved.

The favored contractor is profuse in his thanks to the Council for recognizing the advantages (?) of his tender, and takes the first opportunity of confidentially informing this body that it is entirely unnecessary to go to the expense of employing an engineer to see that the specifications are carried out. In other cases, after the contract is signed and an engineer appointed, it is found that the specifications are vague and full of loop holes, so that a large bill of extras is piled up and the contract settled by an expensive law-suit. The fact is that, except perhaps in a few of the larger cities, there is room for much improvement in the matter of designing and constructing public works in the different municipalities in the province.

The remedy for this state of affairs, the writer is convinced, does not lie in the way of legislation, as in this democratic country no coercive measures can be adopted even if the end is for the common good. Public opinion will have to be educated up to more reliance in permanent and responsible officers to take charge of the spending of public moneys. In this the rural municipalities are leading the way, for, through the working of the "Ditches and Water-courses Act" and the "Drainage Act," the township engineer has become a very useful officer, and in the matter of drainage is the recognized authority. Many of these men are engineers of experience, and practically all are Ontario Land Surveyors, possessing the qualifications necessary for this work. However, when we come to this work. However, when we come to look into the question of engineering for the larger villages and towns, we find that little attention has been paid by engineers in this country to this class of work. bulk of the students in the engineering colleges aspire to be electrical or mechanical engineers, and the few who take up civil engineering are looking forward to railway or government works, in spite of the fact that all these are much overcrowded. In municipal engineering there are still openings, but the young engineer should be qualified in practice as well as theory, in short, must be a "practical" man, and not afraid to commence like any young lawyer or doctor in some out of the way place, and grow up with the country. For a while, no doubt, he may have a struggle to make both ends meet, and may have to take up some other work not exactly of an engineering character, but which will add to his knowledge of business and municipal affairs. For instance, a case has come to the writer's notice where a young engineer performed the duties of assessor where he was located in the early days of his career, and has since risen to the top of the ladder, being chief engineer of one of the greatest railsystems on the continent. The municipal engineer, to succeed, must also be an Ontario Land Surveyor, and thus be in a position to locate all the disputed property lines in his neighborhood, as well as prepare plans for registration of new surveys and new roads, etc. During the year's apprenticeship to some practising surveyor, the college graduate will

also add to the practical knowledge that he is assumed to have acquired in the vacations during the college course.

At present there is no organization in Ontario to bring municipal engineers together to read papers and discuss topics of mutual interest. The National Engineering Society, with headquarters at Montreal, does not fill this need and should not be expected to. A provincial organization seems to be necessary, such as the State Engineering Societies of Michigan, Illinois, Ohio, Indiana, Iowa, and other local engineering clubs. This society should have permanent headquarters in the provincial capital. It may be said that the Ontario Land Surveyors' Association already fills this need, and to a certain degree that is true, but many members of this association who are also engineers have so far silently endeavored to keep purely engineering questions in the background. Now that the attempt to form a close corporation of engineers in Ontario seems to have been abandoned, we may expect more attention to be paid to the consideration of the advisability of enlarging the scope of the Ontario Land Surveyor's Association so as to include municipal engineering, and thus aid in securing to municipalities competent men to design and construct their different public works.

### EXHIBIT OF ROAD MACHINERY.

At Cookstown, Ont., an exhibit of grading and road machinery was recently made by the Sawyer-Massey Company, of Hamilton, says a local papet. The work of the New Western Reversible machine was witnessed by a larg number, among whom were representatives from the councils of the adjoining townships. The test was made in both gravel and hard clay, and in both cases the result was a smooth oval road (with the gravel in the centre) from which the water can run to the ditch from where it strikes the road, instead of running along for rods cutting furrows, as it now does in many places. The municipality of Essa has ordered two and Gwillimbury one of these machines from Mr. C. J. S. Banting, the local agent.

The pumping machinery for the Petrolea waterworks is situated at Perch, on Lake Huron, twelve unles from the town of Petrolea. It consists of two pumping engines and a high-class compound condensing Corliss, built by William Yates, of the London Machine Works, and the other a duplex, low duty, four-cylinder, compound condensing. The head of water under which they pump is 490 feet, nearly double that of any pumping system in Canada. They have been tested by Willis Chipman, C.E., of Toronto, and J. H. Killey, of Hamilton. The duty reported the high-class engine is 106,000,000 foot-pounds per 100 pounds of mixed coal, and for the low duty one, about 58,000,000. The engines ran through both tests without the slightest hitch.

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<sup>\*</sup>Paper read before the Engineering Society of the School of fractional Society of the School of fractional Society of the minimum to be permission.

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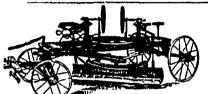
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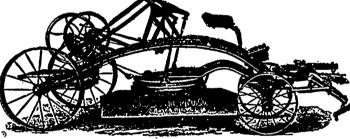
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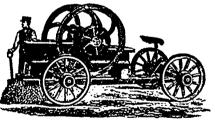
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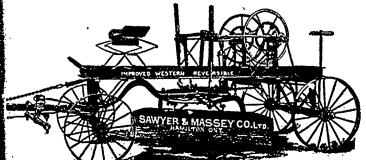
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Cedar	2 90 40 00	30 00	2 9n 40 00
White 37 00	45 00 30 0c	35 ∞ 18 ∞	51 00 20 00
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Pressed Brick, Per M. Red, No. 1, f.o.b. Beamsville	15 - 0		17 00
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Dimension, per cub. ft.	•••••	••	18

# INDEX TO ADVERTISEMENTS

ıl.	Architects. Ontario Directory111 Quebec Directory ii	Contractors' L'lant and Machinery Rice Lewis & Son IV	Interior Decoration Castle & Sonvii Killott, W. Hvi	Reflectors Frink, I. P
00	Architecturo's . 'lp-	Comenta,	Lisme	Ruofers Campbell & Gilday x
00	Carroll, Robert 11 Concell, L. M. vi	Bremner, Alex.	Currie & Co, W&FP xil Ontario Lune Associa	Douglas Bros xi Duthie & Sons, G xi
~	Holbrook & Molling.	Owen Sound Portland Cement Co IV	tion	Hutson & Sons, W. D. xi
	ton	T. e Rat , bu ; Co IV	Denton & Dods III Quinn & orrison . III	Montreal Roofing Co. xi
co	Architectural Iron Work.	Drain Pipe Bremner, Alex,, l	Littefer Priams. Luxfer Priem Co iv	Rennie & Son, Robt., xi
00 00	Dominion Bridge Co. 1	Bremner, Alex	Machinery	Reggin, John ai Stewart & Co., W. T. xi
00	Art Woodwork Southampton Mig.Co. IV	Sewer Pipe Co., All	Petrie, H. W III Phelps Machine Co., viii	and Roofing Co vi
99	Botter Covering Mica Boiler Covering	Rievatora Darling Bros	Maniles, Grates, and Tiles.	Warren Chemical & Mfg. Co
00 00	Co . 104	Fensom, John	tind Tiles. Holbrook&Mollington i	
° 0	Bricks (Pressed) Beamsville Pressed	Miller tiros & Toman VI	Rice Lewis & SonIV	Ranitary Appli- ances
00 00	Brick Co i  Buildors' Supplies.	Can. Photo-Kng Ilu-	Moriar Colors and Bhingle Hains.	Garth & Co vi
00 50	Bremner, Alex i Curric & Co., W&FP xii Montreal Directory xi	Fire Brick and Clay	Cabot, Samuel IV Muirhead, Andrew i	& Metal Co 104 The James Robertson
00	Montreal Directory. xi	Bremner, Alex	Ornamental Iron Work.	Co x
00	Ontario Lime Associa- tion	Folding Partitions,	Toronto Fence & Orca-	Shingle Stains Cabot, Samuel IV
00	Toronto Directory xi	Springer, O. Tviil	me ital Iron Works vi L'alestere.	Stained and Decora- tive Glass
· 0	Building Stone Dealers.	Galvanized Iron Workers,	Montreal Directory xi Turonto Directory xi	Castle & Son viii Horwood & Sons, H., viii
0)	Brodie, James vii Couzens, James J vii	Ormaby & Co., A. II 1	l'insterers :	Hobbs Glass Works ii
00 00	Credit Forks Mining	Grilles and Radings,	Hynes, W. J xi	Hobbs Glass Works ii Lyon, N. T viii Mackey Stained Glass
00 00	& M. g. Co., vii McPhrison & Co., A., vii	Dennis Wire & Iron	Palnis & Varnishes Multhesd, Andrew i	McKenzie's Senined
~	Moir, D. W vii Samuel, Thomas, &	Co vi Mendow, Geo II vill Toronto Fence & Orra- mai tal Iron Werks. vi	Parquetry Floors	Glass Worksviii The Robe t McCous-
٠,0	The Longford Quarry	mai tal Iron Werks, vi	Killott, W.H vi Plate Glass	fand Stained G'ass
€o gn	The Toronto & Orillia	Grantle Brunet, Ios., vil	Hobbs Glass Works ii Lyon, N. T viii	Co viii Wood & Coviii
00 00	Stone Quarry Co. vii Bullders' Hard-	Brunet, for vil Br die, J mes vii Mcir, D.W vil	The Consolidated Plate Glass Co	Shingles and Siding Metallic Roofing Co ix
00 00	rare. Rice Lewis & Son IV	Heating.	Plumbers	Ormsby & Co., A B I Pedlar Metal Roofing
00 00	Creosote Stains	Darling Bros	Montreal Directory xi Toronto Directory xi	Soil Pipe.
00	Cabot, Samuel IV  Church and School	He rd Puinaca Co vi	licofing Materials	Toronto Foundry Co
00	Furniture. Can Office & School	Ki. Son, Warden III McLiary Mig. Co. II Ormaby & Co., A. B., I	Ormsby & Co., AB I Metallic Roofing Co ix	Typeuritors, Etc. Spackman&Archibald IV
03	Furniture Co vi i	TOTATIO KAUIATOP ATTE	Pediar Metal Roofing	Wall Plaster
50 00	Chimney Topping. Bremner, Alex i	Co lil	Roof Anow Guards.	Albert Mfg. Co ii Gander, J. M zi
	Bremner, Alex i Currie & Co., W&FP xii	Mfg Co x	Ounn, R A 1V	The A acastine Co x
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0 00 00	Kent Free stone Ouarries M	oneton, N.B.,	**************************************	Moranta Mantraal
	Kent Free stone Quarries M			Toronto. Montreal.
0	River John, N. S., brown cu.ft., f.o.b.		Coment (Co	ontinued.)
00 50	per cu. ft., f.o.b	recessions, per	Cement (Control of Control of Con	onlinued.) 175 125 150 175 150 160
0	per cu. st., f.o.b	recestone, per th granite for t. f.o.b. quarry, 40 1 00 t. to 12 in. x6 in.	Cement (Co.  Ilydraulic Cements.— Thorold, per bbl	ontinued.) 175 125 150 175 150 160 175 150 150
00 50 50	per cu. ft., f.o.b	7 co 95 7 creastone, per 95 7 ch granite for 1. fo.b.quarry, 40 1 00 1. to 12 in.x6 in. 1. x20 in. per	Cement (Coments	ntinued.)  175 125 150 175 150 160 175 150 175 150
00 50 50 60	ner cu. ft., f.o.b River John, N. S., brown cu. ft., f.o.b Quebec and Vermont rous building purposes, per c.ft For ornamental work, cu. ft. Granite paving blocks, 3in, x4½ in. per M. Grun te curbing stone, 6 it lineal foot	recestone, per 95 93 th granite for 1. f.o.b. quarry, 40 1 00 t. to 12 in. 30 in. 50 to 1. 50	Cement (Cilydraulic Cements	175 125 150 175 150 160 175 150 160 175 150 150 175 150 175 150 175 150 2700 3500 1500 2100
00 50 50	per cu. ft., f.o.b	TE.	Cement (Cilydraulic Cements	175 125 150 175 150 160 175 150 160 175 150 150 175 150 175 150 175 150 2700 3500 1500 2100
00 50 50 60	ner cu. st., s.o.b	recestone, per 95 93 th granite for 1. f.o.b. quarry, 40 1 00 t. to 12 in. 30 in. 50 to 1. 50	Cement (Cilydraulic Cements Thorold, per bbl Queenston, " Napane Hull, " Ontario, " Keene's Coarse" Whites" Fire Bricks, Newcastle, per M " Lime, Per Barret, Grey " White Plaster, Calcined, N. B	ntinued.)  175 125 150 175 150 160 175 150 150 175 150 175 150 175 150 2700 3500 1500 2100 2700 3500 1900 2100 50 80
00 50 50 60 60	River John, N. S., brown cu. It., f.o.b  Quebec and Vermont rous building purposes, per c.ff for ornamental work, cu. It. Granite paving blocks, Sin. x4% in. per M.  Gran te curbing stone, 6 is lineal foot  **SLA**  Rocking (** square).**  " red	recestone, per 95 95 th granite for 150, harry, 40 100 to 12 in. x6 in. 50 to TR. TOPONTO. MONIFORI.	Cement (Cilydraulic Cements	175   125   150   175   175   175   150   160   175   150   160   175   150   175   150   175   150   175   150   175
00 00 00 00 00	River John, N. S., brown cu. II., f.o.b Quebec and Vermont row building purposes, per C. ff For ornamental work, cu. II. Granite paving blocks, Sin x ½ in. per M.  Gran te curbing stone, 6 it lineal foot  **Rocking (** square*).**  " purple  " untading greet  " untading greet  " untading greet	TAC.  1 600 95  1 70  TOPONTO. MONIFORI.  1 800 90 00 10 00	Cement (Cily Indiana)  Thorold, per bbl	ntinued.)  175 125 150 175 150 160 175 150 150 175 150 175 150 175 150 2700 3500 1500 2100 2700 3500 1900 2100 200 150 200 150 80 100 102
00 00 00 00	Roching (* square).  Roching (* square).  Roching (* square).  """  Roching (* square).  """  """  """  """  """  """  """	reestone, per 1 60 95 h granite for 1,50,5,0,40,40 1,50,5,0,40,40 1,50,20 in. per 70  TR. TOPONIO. MONIFORI.	Cement (Cilydraulic Cements  Thorold, per bbl Queenston, " Napanee, " Hull, " Ontario, " Scotch Lime, Per Barrel, Grey " White Plaster, Calcined, N. B " Halr, Plasterers, per bag  HABDB The following are the quorat Toronto and Montreal: Cut nulls, s.td & 6od, per keg	notinued.)  175 125 150 175 150 160 175 150 150 175 150 175 150 175 150 270 35 00 15 00 21 00 270 35 00 19 00 21 00 200 150 200 150 80 100 100 7ARE. ations to builders for nails
00 0 55 00 00 00 00 00 00 00 00 00 00 00	per cu. ft., f.o.b.  River John, N. S., brown .  cu. ft., f.o.b  Quebec and Vermont rought .  building purposes, per c.ft for ornamental work, cu. ft.  Grantte paving blocks, \$in. x4½ in. per M.  Gran te curbing stone, 6 it lineat foot  SELA  Rocking (* square).  undading green  untading green	recestone, per 1 60 95 h granite for 1 60.	Cement (Coments	notinued.)  175 125 150 175 150 160 177 150 160 177 150 150 177 150 170 177 150 170 177 150 120 177 150 120 177 150 120 177 150 120 177 177 177 177 177 177 177 177 177 177
00 0 55 00 00 00 00 00 00 00 00 00 00 00	Rocfing (* square).  Rocfing (* square).  """  Rocfing (* square).  """  """  """  """  """  """  """	TER.  1800 1000 1000 1000 1000 1000 1000 10	Cement (Coments	notinued.)  175 125 150 175 150 160 177 150 160 177 150 150 177 150 170 177 150 170 177 150 120 177 150 120 177 150 120 177 150 120 177 177 177 177 177 177 177 177 177 177
00 0 550 00 00 00 00 00 00 00 00 00 00 00 00	Rocfing (* 1quare).  Rocfing (* 1quare).  Rocfing (* 1quare).  Rocfing (* 1quare).  I purple  I purple  I purple  White lead, Can., per so lift lead, Eng	TR.  TOTONIO. MONITORI.  1800 900 900 900 900 900 900 900 900 900	Cement (Coments	notinued.)  175 125 150 175 150 160 177 150 160 177 150 150 177 150 170 177 150 170 177 150 120 177 150 120 177 150 120 177 150 120 177 177 177 177 177 177 177 177 177 177
00 0 00 00 00 00 00 00 00 00 00 00 00 0	Rocfing (* square).  Rocfing (* square).  Rocfing (* square).  Rocfing (* square).  " purple.  " pu	TR.  1800 9000  1800 9	Cement (Coments	notinued.)  175 125 150 175 150 160 177 150 160 177 150 150 177 150 170 177 150 170 177 150 120 177 150 120 177 150 120 177 150 120 177 177 177 177 177 177 177 177 177 177
00 00 00 00 00 00 00 00 00 00 00 00 00	Rocfing (* square).  Rocfing (* square).  Rocfing (* square).  " purple.  " ladding gree  " venetian, per 100 lbs.  " venetian, per 100 lbs.  " venetian, per 100 lbs.  " Vellow ochre.	TR.  TOPONTO.  1800  180	Cement (Coments	### 175   125   150   175   17
00 00 00 00 00 00 00 00 00 00 00 00 00	Rocfing (* square).  Rocfing (* square).  " red. " purple. " red. " purple. " unfading grees " black " unfading grees " black " red. " purple. " unfading gree " black " purple. " black " red. " purple. " black " red. " purple. " black " purple. " purpl	TER.  1800  1000  1800  1000	Cement (Coments	### 125   125   130   175   175   150   150   175   150   150   175   150   175   150   175   150   175   150   175   150   175   150   175   150   175   150   175   17
00 0 0 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Rocfing (* square).  Rocfing (* square).  " red  " purple  " ventian, per 100 lbs  " vermillion  " paris  " Paris	TR.  TOTONIO. MONITORI.  1800 900 1000 1000 1000 1000 1000 1000 1	Cement (Cilly Inverse of Coments	### 125   125   130   175   175   150   150   175   150   150   175   150   175   150   175   150   175   150   175   150   175   150   175   150   175   150   175   17
00 00 00 00 00 00 00 00 00 00 00 00 00	Rocfing (* square).  Rocfing (* square).  " purple.  "	Terestone, per 1 60 95 95 hb granlise for 1 60.0 400 1 60.	Cement (Cilly Inverse of Coments	### 125   125   130   175   175   150   150   175   150   150   175   150   175   150   175   150   175   150   175   150   175   150   175   150   175   150   175   17
00 0 00 00 00 00 00 00 00 00 00 00 00 0	Rocfing (* square).  Rocfing (* square).  Rocfing (* square).  " red  " purple  " paris  " ventilion  " ventilion  " Paris  " Paris  Black lamp  Black lamp  Blue, ultramarine  Oil, linseed, raw, by bbl.;  Innt, gal	TR.  TOPONTO.  1800  1800  1900  1800  1900  1800  1900  1800  190	Cement (Coments	### 125   125   130   175   125   130   175   150   150   175   150   175   17
00 0 00 00 00 00 00 00 00 00 00 00 00 0	Rocfing (* square).  Rocfing (* square).  " red. " purple. " red. " purple. " purple. " unfading grees black " purple. " unfading grees " black " purple. " purple. " purple. " red. " purple. " red. " purple. " red. " purple. " purple. " the contact Tile, per ag. " Ornamental Black Slate Rocfing (* square). " red. " purple. " unfading grees " black " red. " purple. " purple. " unfading grees " black " red. " purple. " unfading grees " black " unfading grees " paris. " ventuan, per 100 lbs. " vermillion. " vermillion. " lodian, Eng. Vellow ochre. " Paris. " Paris. " Paris. Black lamp. Blue, ultramarine. Oil, linseed, raw, by bbl. 3 " Imb., gal.	Terestone, per 1 60 95 95 https://doi.org/10.001	Cement (Coments	### 125   125   130   175   175   150   150   175   175   150   175   17
00 00 00 00 00 00 00 00 00 00 00 00 00	Rocfing (* square).  BLA  Rocfing (* square).  " red  " purple  " undading grees.  " undading grees.  " black  Terra Cotta Tile, per sq  Ornamental Black Slate Rocfing (* square).  White lead, Can., per soo lb  " venetian, per soo lbs  " vermillion  " lindian, Eng  " vellow ochre  " Yellow chrome  " Paris  Black lamp  Black lamp  Black lamp  Black lamp  Blue, ultramarine  Oil, linseed, raw, by bbl., fimb. stal	TR.  TOPONTO.  1800  1800  1800  1800  1800  100	Cement (Cilly draulic Cements	### 175   125   150   175   17
00 00 00 00 00 00 00 00 00 00 00 00 00	Rocfing (* square).  Rocfing (* square).  " red.  " purple.  " purple.  " unfading gree  " purple.  " unfading gree  " purple.  " purple.  " unfading gree  " black  Terra Cotta Tile, per sq  Ormamental Black State Rocfing  " inc. Can., " "  Red lead, Eng.  " ventian, per 100 lb.  " vermillion.  " linian, Eng.  Vellow ochre.  Vellow chrome.  " Paris.  Black lamp.  Blue, ultramarine.  Oil, linseed, raw, by bbl., *  Imp., gal.  Oil, linseed, bl'd, by bbl., *  Imp., gal.  Oil, linseed, refined, \$\forall mp.g.  (Less than bbl., 5c.	Terestone, per 1 00 95 95 95 1 1 00 1 1 1 00 1 1 1 00 1 1 1 00 1	Cement (College of the college of th	### 175   125   150   175   175   150   160   175   150   160   175   150   175   150   175   150   175   150   175   150   175   150   175   150   175   150   175   150   175   150   175   150   175   17
00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	River John, N. S., brown cu. ft., f.o.b.  Quebec and Vermont roughting purposes, per c. ff for ornamental work, cu. ft. Granite paving blocks, \$in. x4½ in. per M.  Gran te curbing stone, 6 in lineal foot.  **BLA*  Roofing (** square).  " red	TR.  TOTONIO. MONITORI.  1800 9000  1000	Cement (C.  Thorold, per bbl	### 175   125   150   175   17
00 0 00 00 00 00 00 00 00 00 00 00 00 0	Rocfing (* square).  Rocfing (	TR.  TOPONTO. MONTPORI.  1800 9000  1800 900 900  1800 900  180	Cement (C. Thorold, per bbl	### 175   125   150   175   17
00 0 00 00 00 00 00 00 00 00 00 00 00 0	River John, N. S., brown cu. ft., f.o.b.  Quebec and Vermont roughting purposes, per c. ff for ornamental work, cu. ft. Granite paving blocks, \$in. x4½ in. per M.  Gran te curbing stone, 6 in lineal foot.  **BLA*  Roofing (** square).  " red	Terestone, per 1 60 95 creestone, per 95 95 ch granite for 1 60, h, quarry, 40 1 00 cto 12 in. 26 in. 50 co cto 12 in. 26 in. 50 co cto 20 in. per 70  The Totonio. Moniteal,  18 00 70 00 10 00 cto 20 00 10	Cement (Coments Thorold, per bbl Queenston, "Mapanee, "Mapan	### 175   125   150   175   17
00 00 00 00 00 00 00 00 00 00 00 00 00	Rocfing (* square).  Rocfing (	Terestone, per 1 60 95  ch grantic for 1 60, h, quarry, 40 1 00  1 60, h, quarry, 40 1 00  1 10 12 in. 26 in. 50 10  1 2 2 0 10 00  1 9 00 7 00 8 00  1 9 00 7 00 8 00  1 9 00 7 00 8 00  1 9 00 7 00 8 00  1 9 00 7 00 8 00  1 9 00 7 00 8 00  1 9 00 7 00 8 00  1 9 00 7 00 8 00  1 9 00 7 00 8 00  1 9 00 7 00 8 00  1 10 17 1 10 17  2 10 12 8 10  1 10 12 8 10  1 10 12 8 10  1 10 12 8 10  1 10 12 8 10  1 10 12 8 10  1 10 12 8 10  1 10 12 8 10  1 10 13 18 10  1 10 13 18 10  1 10 18 18 10  1 10 18 18 10  1 10 18 18 10  1 10 1	Cement (Coments	### 175   125   150   150   175   17
00 0 00 00 00 00 00 00 00 00 00 00 00 0	Rocsing (* 1942**e).  " red  " purple  " untading grees  " PAINTS.  White lead, Can., per soo lb  " rinc, Can., " "  Red lead, Eng  " venetian, per soo lbs  " venetian, per soo lbs  " Paris  Black lamp  Black lamp  Black lamp  Black lamp  Blue, ultramarine  Oil, linseed, raw, by bbl.; Imp. gal.  Oil, linseed, raw, by bbl.; Imp. gal.  (Less than bbl., 5c.  Putty  Whiting, dry, per soo lbs  Paris white, Eng., dry  Lithauge Eng  Sienna, barnt  Ilmber. "  Turpentine  OEMENT,  Portland Cements.—  Germac, per bbl	TR.  TOTONIO. MONITORI.  18 00 90 00 10 1	Cement (Cily Indiana)  Thorold, per bbl	### 175   125   150   175   17
00 0 00 00 00 00 00 00 00 00 00 00 00 0	Rocfing (* square).  Rocfing (	Trestone, per 1 60 95  ch granite for 1 60, h granite for 1 60, h quarry, 40 1 00  to 12 in. x6 in. 50 to 1 60, h care in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, i	Cement (Cily Indiana)  Thorold, per bbl	### 175   125   150   175   17
00 0 00 00 00 00 00 00 00 00 00 00 00 0	Rocfing (* square).  Rocfing (	Trestone, per 1 60 95  ch granite for 1 60, h granite for 1 60, h quarry, 40 1 00  to 12 in. x6 in. 50 to 1 60, h care in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, in. 50 to 1 75 to 60, in. 60, i	Cement (Coments Thorold, per bbl Queenston, "Napanee, "Iluli, Ontario, "Napanee, "South Control of the Bricks, Newcastle.per M Scotch Come, "South Misser, Calcined, N. B" I "White. "White." Plaster, Calcined, N. B" "N. S" I "" I "" "" I "" I "" I "" I "" I	### 175   125   150   175   17
00 0 00 00 00 00 00 00 00 00 00 00 00 0	Rocfing (* square).  Indian greed.  PAINTS.  White lead, Can., per soo lb.  " rocfing (* square).  Rocfing (* square).  Rocfing (* square).  PAINTS.  White lead, Can., per soo lb.  " verntillion.  " verntillion.  " verntillion.  " lndian, Eng.  Vellow ochre  " Paris.  Black lamp.  Blue, ultramarine.  Oil, linseed, rochode.  (Less than bbl., square).  Rocfing, gal.  Oil, linseed, rochode.  Putty.  Whiting, dry, per soo lbs.  Putty.  Verntillion.  Turpentine  OEMENT,  Portland Cements.—  German, per bbl.  London  Newcastle  Belgian, Josson, artificial  Rocfins' "Condor"  English, artificial, per bbl.  Belgian, neural per bbl.  Belgian neural per bbl.	Trestone, per 95 95 1 1 0 95 95 1 1 0 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1	Cement (Coments Thorold, per bbl Queenston, "Napanee, "Iluli, Ontario, "Napanee, "South Control of the Bricks, Newcastle.per M Scotch Come, "South Misser, Calcined, N. B" I "White. "White." Plaster, Calcined, N. B" "N. S" I "" I "" "" I "" I "" I "" I "" I	### 175   125   150   175   17
00 0 00 00 00 00 00 00 00 00 00 00 00 0	Rocfing (* square).  Indian greed.  PAINTS.  White lead, Can., per soo lb.  " rocfing (* square).  Rocfing (* square).  Rocfing (* square).  PAINTS.  White lead, Can., per soo lb.  " verntillion.  " verntillion.  " verntillion.  " lndian, Eng.  Vellow ochre  " Paris.  Black lamp.  Blue, ultramarine.  Oil, linseed, rochode.  (Less than bbl., square).  Rocfing, gal.  Oil, linseed, rochode.  Putty.  Whiting, dry, per soo lbs.  Putty.  Verntillion.  Turpentine  OEMENT,  Portland Cements.—  German, per bbl.  London  Newcastle  Belgian, Josson, artificial  Rocfins' "Condor"  English, artificial, per bbl.  Belgian, neural per bbl.  Belgian neural per bbl.	TR.  TOTONIO. MONITORI.  1 800 9000  1 900 9000  1 900 9000  1 900 9000  1 900 9000  1 900 9000  1 900 9000  1 900 9000  1 900 9000  1 900 9000  1 900 9000  1 900 9000  1 900 9000  1 900 900  1 900	Cement (Coments Thorold, per bbl Queenston, "Napanee, "Iluli, Ontario, "Napanee, "South Control of the Bricks, Newcastle.per M Scotch Come, "South Misser, Calcined, N. B" I "White. "White." Plaster, Calcined, N. B" "N. S" I "" I "" "" I "" I "" I "" I "" I	### 175   125   150   175   17
00 0 00 00 00 00 00 00 00 00 00 00 00 0	Rocling (** square).  " red  " purple  " untading grees "black State Rocling grees" black  Terra Cotta Tile, per sq. Ormamental Black State Rocling grees.  " untading grees.  " untading grees.  " untading grees.  " ventuan, per sq. Ormamental Black State Rocling grees.  " ventuan, per sq. Ormamental Black State Rocling.  " ventuan, per sq. Ormamental Black Imp.  Green, chrome.  " Paris.  Black lamp.  Blue, ultramarine.  Oil, linseed, b't'd, by bbl., Imp. gal.  Cil, linseed, b't'd, by bbl., Imp. gal.  Oil, linseed, b't'd, by bbl., Imp. gal.  Coll, linseed, b't'd, by bbl., Imp. gal.  Oil, linseed, b't'd', by bbl., Imp. gal.  Oil, linseed, b't'd', by bbl., Imp. gal.  Oil, linseed, b't'd', by bbl	Treations, per 95 95 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cement (Cily Indiana)  Thorold, per bbl	### 175   125   150   175   17