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

Vol.,5.

DEGEMBER 20, 1894

No. 46

THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY THURSDAY

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

Aubscription price of "Canadian Architect and Builder" (including "Canadian Contract Record"), \$2 per annum, payable in advance.

C. H. MORTIMER, Publisher,

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

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At its Convention held in Toronto, Nov. 20 and 21, 1889, the Ontario Association of Architects signified its approval of the CANADIAN GONTRACT RECORD, and pledyed its members to use this journal as their medium of communication with contractors with respect to advertisements for

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 Quebec noise 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."

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Notice to Contractors

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C. H. MORTIMER, Publisher.

Confederation Life Building, Toronto.

Capt. George W. Corbett, a well-known contractor, of Port Arthur, Ont., was drowned last week while crossing the Kaministiquia river.

TENDERS

Will be received at the office of the undersigned, up to noon, SATURDAY, 5711 JANUARY, 1895, for all trades in connection with the restoration and addition

St. Andrew's Church, Belleville.

The lowest or any tender not necessarily accepted. DARLING, SPROATT & PEARSON,
Mail Building, Toronto.

SCHOOL HOUSE TENDER

Whole or separate tenders will be received by the undersigned up to Dec. 28th, 1894, for the rebuilding of the

Markdale Public School Building

lately destroyed by fire. Plans and specifications can be seen at the office of the Sec. Treas, after Wednesday,

19th of Dec. owest or any tender not necessarily accepted. W. A. BROWN, Sec. Treasurer, Markdale, Ont.

TO CONTRACTORS

Sealed tenders marked "Sewers" will be received by the undersigned on or before the 5TH DAY OF JANUARY, 1895, for the construction of a

MAIN SEWER IN THE TOWN OF SUDBURY, ONT.

Plans and specifications may be seen and form of tender had at the offices of Messa. Go don & Rorke, Engineers, Sudbury, Ont., Messa. McPhers in Clark & Jarvis, Barristers, Toron , Ont., Messa. Perkins & Fraser, Barristers, Ottawa, Ont. "The Canadian Trade Review", Montreal, Que. The lowest or any tender not necessarily accepted.

Clerk Town of Sudbury. ARTHUR FERRIS.

TENDERS FOR ELECTRIC LIGHT PLANT



Tenders addressed to the undersigned will be received, through registered post, at the City Clerk's office, in the City Hall, up to noon of

THURSDAY, JANUARY 3rd, 1895, For the supply of an

Electric Light Plant for the Island Park.

Specifications may be seen and forms of tender obtained upon application at the office of the Park Commissioner (St. Lawrence Hall), between the hours of 9 o'clock, a.m., and 4 o'clock, p.m., Saturdays excepted.

Each and every tender must be accompanied by a marked cheque, made payable to the order of the City Treasurer, or a cash deposit, equal to five percent, of the amount of the tender, which deposit will be forfeited to the city in the event of the party whose tender is accepted failing to execute the necessary contract and bord. The lowest or any tender not necessarily accepted.

10HN HALLAM,

JOHN HALLAM, Chairman Parks and Gardens Committee. Committee Room, Toronto, Dec. 17th, 1394.

CEMENT FOR MENDING STONE. capital cement, which may be used to mend broken pieces of stone, may be made as follows: Clean river sand, 20lb.; litharge, 2lb.; quicklime, 1lb.; linseed oil, sufficient to form a thin paste. This cement becomes after a time exceedingly hard and strone. A similar composition has been used to coat brick walls, under the name of mastic.

CONTRACTS OPEN.

ONT .-- A new Methodist ARMOW. church will likely be erected here next summer.

KINGSTON, ONT .- Gaw & Co. will immediately rebuild their planing mill burned last week.

PERTH, ONT.-Mr. E. J. Lennox, of Toronto, has prepared plans for alterations to the town hall.

STRATFORD, ONT.—The erection of a fire hall is likely to be proceeded with by the Council in the spring.

NEW WESTMINSTER, B. C .- The erection of a woman's hospital in this city is contemplated. The W. C. T. U. are the prime movers.

PRESTON, ONT.—The erection of a five story brick building is contemplated by S. Cherry, whose mill was recently destroyed by fire.

MEAFORD, ONT .- The Council has decided to extend the time for the reception of tenders for the construction of waterworks until the 28th inst.

ARNPRIOR, ONT .- A vote of the ratepayers will be taken at the January elections on the question of providing funds for a system of waterworks.

FORT ERIE, ONT .- The Gould Coupler Works, of Buffalo, are considering the erection of a branch factory on the Canadian side, probably at this place.

LONDON, ONT .- The members of the Southern Congregational church have decided on the erection of a new church building, their present quarters being too small.

STANFOLD, QUE.—Mr. Jos. Lacoursiere will apply to the County Council for permission to build a bridge on the Becancourt river between Stanfold and St. Louis de Blandford.

VICTORIA, B. C .- It is understood that the contractor for the new Provincial buildings here is in financial difficulties, and that the government will probably complete the work.

Sr. Joseph de Levis, Que. A deputation last week waited on the Provincial Government asking financial assistance towards the construction of abbattors here. Consideration was promised.

BROCKVILLE, ONT. -It is the intention of Col. Cole to convert the large double frame house on King street, opposite the opera house, into a han Isome residence. The work will be carried out in the spring.

PORTAGE LA PRAIRIE, MAN.-Objections are being raised by several of the business men of the town against the site selected for the new post-office, and a protest has been sent to the Government at Ottawa.

ORILLIA, ONT.-Tenders are invited by G. E. Gran, town clerk, until Monday, the 31st inst., for the erection of a town hall and market building. Plans may be seen at the office of William Dunn, Clerk of Works.

VICTORIA, B. C .- A bill has been introduced in the Provincial Parliament providing for the establishment of a Government Bureau of Mines, for which purpose a building, to cost about \$10,000, will be required.

QUEBEC, QUE.-Work has been commenced on the excavations for the new city hall, -- It is stated that the proposed new wing to the Chateau Frontenac hotel is calculated to cost about \$100,000, and that work will be commenced early in the

HARTLAND, N. B. - R. W. Richardson and Geo. Peoples each intend creeting a new residence in the spring. - W. S. Henderson is considering the erection at an early date of a first-class hotel. - C. H. Taylor will erect a large store here next season.

FREDERICTON, N. B.- Edward Jack, of this town, solicitor for applicants, has given notice of application to the Dominion Parliament for an act to incorporate a company for the purpose of utilizing and developing the water power of the St. John river at Grand Falls, by the construction of dams, piers, booms, etc.

OTTAWA, ONT.—Tenders are invited y J. H. Balderson, secretary of the by J. H. Balderson, secretary of the Department of Railways and Canals, until Friday, the 21st inst., for the construction of a pair of annual forms. struction of a pair of spare lock gates at the Sault Ste. Marie canal. Plans may be seen at the office of the Chief Engineer of Railways and Canals, in this city.

GRENVILLE, ONT.- The Department of Railways and Canals, Ottawa, invites tenders until Monday next, the 24th inst, for the rebuilding of the bridge abutment of the cana! swing bridge at this place. Plans may be seen at the office of Mr. Einest Marceau, superintending engineer, Montreal, to whom tenders are to be ad-

TRENTON, ONT. Robert Weddell has submitted a proposition to the Town Council to construct waterworks and electric light systems and to erect a central station for tire half, electric light and waterworks purposes. The proposed work will cost about \$80,000. A committee has been appointed to consider the proposition.

BRANTFORD, ONT. As a result of a conference between members of the City Council and the Waterous Engine Works Company, an agreement has been reached whereby the city agrees to purchase the present site of the Waterous Company, in consideration of which the company will erect new works within the city capable of employing not less than 400 men.

VERDIN, QUE. A meeting of the municipal council was held last week, at which a petition was presented, signed by a majority of the ratepayers, asking for the construction of a dyke to protect the municipality from floods, and agreeing to pay the cost of the work. The council de-cided to grant the petition, and a by-law will be prepared at once The cost will will be prepared at once be about \$70,000.

SUDBURY, ONT.—Proposals are invited by the Town Clerk until the 29th inst., for the purchase of \$30,000 of waterworks and \$10,000 of sewerage and electric light debentures.—Tenders for the extension of the sewerage system and for the construction of waterworks will be called for on completion of the drawings for same. Tenders for the construction of a main sewer are now being received by the Town Clerk, Arthur Ferris.

WINNIPEG, MAN.—The Ogdvie Milling Co. are said to contemplate the ejection of six grain elevators at different points throughout the province, the work to be commenced in the spring. It is understood that the scheme for the ejection of a Masonic temple has been abandoned, as the present is not considered an appropriate time for financing the undertaking.—The by-law to raise the sum of \$225,000 for a system of waterworks for fire protection and the purchase of an electric light plant was defeated by the ratepayers on Tuesday last by a large majority

COLLINGWOOD, ONT. A by-law will be submitted at the coming municipal election, asking for power to raise the sum of \$10,000 for the purpose of extending the electric light and waterworks systems, \$6,000 to be expended in the electric light extension, and \$4,000 in extending the waterworks. Fred. L. Hodgson, architect, has prepared plans and specifications for extensive alterations to a large residence in Midland, Ont., for Mr. James Playfair. It will be heated throughout with hot water, and the plumbing will be of a superior quality; the work all to be done during the present winter. Estimated cost, \$5,000.

HAMILTON, ONT. R. O. and A. B. alackay will expend \$12,000 this winter in refitting the steamers Michigan, Acadia and St. Magnus. The Jail and Court House Committee of the City Council has recommended that a by-law be introduced to provide for the erection of a new city jail .- The City Clerk invites tenders on behalf of the corporation until Tuesday, the 22nd of January next, for inch boards planks, scantling, crossing tumbers and cedar posts required during the year 1895. Specifications may be seen at the office of the City Engineer Buscombe Bros. have been granted a permit for the erection of a brick dwelling on Hannah street, between Queen and Locke streets, to cost \$1,200. The City Engineer has recommended as a solution of the east end difficulty, that a flume be constructed from the present outlet of the sewer to the mouth of the inlet, at an estimated cost of \$13,000. Mr. E. A. C. Pew, the promoter of the Lake Eric. C.in d scheme states that the necessary capital for the undertaking has been subscribed, and that work on the can il will be commenced very shortly, and be completed by the 1st of November, 1896. It is stated to be

MONTREAL, QUI the intention of the Sisters of the Providence Convent to erect at an early date a gigantic asylum at Longue Pointe, on what is known as "Le Coteau". The new building will cost in the neighborhood of one million dollars, and will be built on the new Sherbrooke street, for which improvement the city of Montreal will be asked to grant the sum of \$100,000. It is understood that a number of architects have already been consulted about the scheme, — In noticing the ments contemplated to St. church in the last issue of the Recokti, the fact should have been mentioned that the architect was Mr. W. E. Deran, under whose supervision the work is to be carried out.—The City Surveyor his request ed the C. P. R. Company to proceed with the excavations for the new cast end station during the present winter. cost of carrying out the work in winter is placed at \$34,800, and in summer at \$32,460. The company have promised to give creply in a few days.—The Board of Health have not yet finally decided on a site for the proposed contagious diseases hospital.— The Royal Electric Co. is calling for tenders for the carpenter's work of new workshops on Queen street.

TORONTO, ONT .- Tenders for the supply of an electric light plant for Island Park are invited by Mr. John Hallam, Chairman Parks and Gardens Committee, until Thursday, the 3rd of January. Specifications may be seen at the office of the Park Commissioner, St. Lawrence - The recommendation of the Parks and Gardens Committee that a supper room be erected at the Horticultural Pavilion, at a cost of \$750, was passed by the City Council at its last meeting, and tenders will be invited for its erection.— An informal meeting of citizens interested in the crection of a first-class hotel in Toronto was held a few days ago, Messrs, Robert Jaffray, J. W. Langmun, Fred. Rogers and others being present. It was reported that the prospects of success were encouraging. The proposed site of the hotel is the old Upper Canada grounds at King and Sinicoe streets, and t is understood the Ontario Government has consented to donate the site free. The capital stock of the company will be placed at \$1,000,0 o. Of this sum \$250,ooo will be subscribed by citizens, the balance to be raised by the issue of debentures. - The Technical School Board passed a resolution at the last meeting requesting the City Council to provide a permanent building for the school. It was pointed out that if the city would erect a building the government would be willing to make the customary school

FIRES.

The Ross Packing Co.'s saltery at Steveston. B. C., was totally destroyed by fire last week. Loss, \$6,000; insurance, \$1,000.—Will & Jones' cold storage warehouse and buildings at Jarvis, Ont., were destroyed by fire on Saturday last. The destroyed by insurance.—The carpet factory of D. McCallum, at Strathroy, Ont., was burned last week.—The foundry and machine shops of Gagnon Bros. on Valier street, Quebec, were destroyed by fire on the 12th inst. Loss, \$10,000; insurance, \$5,000. The residence of Mis. Giguere, on Champlain street, Quebec, has been burned.

CONTRACTS AWARDED.

WINDSOR, ONT.—The contract for erecting a pest house has been awarded by the City Council to G. J. Baldwin, at \$1,097.

SARNIA, ONT.—The Sarnia Township Council has awarded the contract of draining the Wawanosh marsh to A. McKay, of Chatham. The estimated cost of the work is about \$20,000.

MONTRIAL, QUE. Mr. W. E. Doran, architect, has awarded contracts as follows for the alterations and additions to St. Patrick's church: te-roofing, Montreal Roofing Co.; iron of new gallery, Dominion Bridge Co.; re-construction of organ, Casavant Bros., St. Hyacinthe, Que.—Mr. P. B. Williams, architect, has awarded contracts as follows: two houses on Delorimier ave., for Mr. C. B. Gordon to Bark & Valin, at the price of \$5,800; a house for Mr. J. B. Provost to same contractors at the price of \$2,500.

BUSINESS NOTES.

James Knechtel, architect, of Berlin, Ont., is dead.

A. J. Cromar, builder, Brantford, has assigned to T. Woodyatt.

P. L. Duvert & Co., painters, Montreal, have dissolved partnership.

The Montreal Quarry Co., capital \$200,000, is applying for incorporation.

David Kerr, painter, Quebec, is offering to compromise with his creditors at 30 cents on the dollar.

Joseph A. C. St. Amour, contractor, Montreal, has assigned to A. C. St. Amour, with liabilities about \$6,500.

The Western Wire and Nail Company, of London, Ont., are applying for incorporation, with a capital of \$50,000, to to manufacture wire nails.

BOND CLAY.

The problem of making a refractory brick from native clay is based upon the fact that "the purer the clay the more in-Our purest clays are flint-clays, which are probably refractory by reason of their structures as well as their com-These then make an admirable basis for the brick. As they are non-plastic, their successful use compels the addition of a small amount of plastic clay, and on the choice of this clay all depends. A fine-grained, sandy clay hard in its native state, and plastic when ground up in water, makes the best bond; it is needless to add it should be pure. The more aluminous a clay is, the more will it shrink on burning, and if the clay which has been used to incorporate the nonplastic part should shrink materially on burning, it would loosen the bond between the pieces of hard clay and make the whole fabric unsound. Therefore the clay fit for a bond is one in which the natural shrinkage is at a minimum; this condition is found in a fine-grained sandy clay. is ignorance of this point, which seems so simple, that has caused the failure of so many patent mixtures of refractory materials. It has seemed to each man in succession who has approached the subject, that as pure kaolin is infusible, and pure sand is infusible, and as these bodies represent respectively our ideal of plasti city and non-shrinking qualities, a proper mixture of the two would produce the most desirable results. But when such a mixture is heated, the enormous shrinkage of the kaolin loosens the bond of the whole body and makes it weak and fragile.

MASONRY CONSTRUCTION.

The following from an English journal is interesting: The dressing of stone is a most important operation, and generally the larger the blocks the greater the care required in leveling the beds or dressing them in the proper angle or in the squaring. If the beds are irregular, or in winding the bearing is unequal, the stone tends to split and rend at bearing points, which act as fulcrums, and in fact may have to be loaded with an enormous weight. This cannot occur if the beds have been well leveled, as the bearing is then equal throughout the bed. The rent receives rain-water and allows it to lodge, and the structure becomes exposed, often in a dangerous manner, to the effects of trost. If the blocks of stone are fairly and fully dressed, the trouble of laying them will be comparatively slight. Care must be taken that in order to hide or disguise a thick clumsy joint the blocks be not pitched forward on their edges, as they will then be sure to splinter at the edges, from the weight bearing on the angle. To disguise weight bearing on the angle. To disguise the careless dressing of blocks, and to work them when laid, workmen are apt to underpin large blocks of stone with wedges of wood or splinters of stone, thereby laying the foundation of rents and fissures when the work settles. The setting bed of each course should be brought true and level to receive the next course, which must rest solidly and truly upon it. face of every stone in a wall may be left quarry-faced, or as it comes from the quarry, but each stone should be wrought with a setting margin. The dressing of the beds of large blocks of stone may easily be tested by laying the edge of a straight rod or rule (otherwise a straight edge along the surface of a block, from angle to angle and from side to side, when any windings or irregularities in the set-ting beds will easily be seen by parts of the edge of the rule lying close to the stone, while cavities admit the light be-tween the bed and the rule. In building with ashlar or other large stone care must be taken that pebble and small stones be not used in the mortar, as these will act as so many wedges on the beds; but in grouting, or filling in at the back of masonry, there is no objection to splinters being used, and in filling in angles and odd corners in rubble backing they may come in advantageously, not only to save waste of mortar, but because when the

mortar sets the work will be better filled. Unfortunately, this is where masons will often not take the trouble to use splinters of stone.

The natives of interior Ceylon finish walls and roofs with a paste of slaked lime, gluten, and alum, which glazes and is so durable that specimens three centuries old are now to be seen. In Sumatra the native women braid a coarse cloth of plain leaves for the edge and top of the roof. Many of the old Buddhist temples in India and Ceylon had roofs made out of cut stone blocks, hewed timber, and split bamboo poles. Uneven planks cut from old and dead palm trees, seldom from living young trees—are much used in the Celebes and Philippine Sharks' skins form the roofs for fishermen in the Andaman Islands. The Malays of Malacca, Sumatra, and Java have a roofing of attaps-pieces of palm leaf wickerwork about 3ft. by 2in. in size and 1in. thick, which are laid like shingles, and are practically waterproof. The Arabs of the East Indies make a durable roof paint of slaked lime, blood, and cement. Europeans sometimes use old sails-made proof against water, mould, and insects by paraffin and corrosive sublimate—for temporary roofs.

MUNIGIPAL DEPARTMENT.

LEGAL DECISIONS AFFECTNIG MUNICIPALITIES.

CUMMINGS AND COUNTY OF CARLE-TON.—Judgment on appeal by City of Ottawa and County of Carleton from order of Boyd, C., in chambers (14 C. L. T. Occ. N. 451) dismissing motion by appellants for prohibition to arbitrators to prohibit proceedings to ascertain the compensation to be paid to C mmings for lands in the county injuriously affected by the building of a bridge over the River Rideau forming the boundary between the city and county. The main question raised by the appeal was whether arbitration was the landowner's remedy, the claim being against two municipalities, there being no by-law for the doing of the work, and the lands affected not being in the city. Held, that the duty of keeping up and maintaining the approach to the bridge being cast by the law upon the county, the claim for compensation should be against the county, which alone could be compelled to arbitrate in respect of it, and the proceedings against the two municipalities were erroneous, and the appointment of an arbritrator on behalf of both without jurisdiction. Appeal allowed and order made prohibiting pro-Appeal ceedings in the attempted arbitration, but not so as to prevent Cummings from commencing and prosecuting proceedings de novo against the county alone to compel arbitration, and the county to be at liberty to set up in such proceedings that compensation has already been made to Cummings. No costs.

SEWAGE PURIFICATION EXPERIMENTS AT BOULOGNE-SUR-MER.—The chemical report of M. L. Vuaffart and the microbiological report of Dr. Billet relating to the eneriments made at the Exhibition at Boulogne with Mr. Andrew Howatson's installation for the treatment of sewage by polarite are now published. The reports are highly interesting, showing the experiments have been carried out with the greatest care, the results being most satisfactory. M. Vunflart arrives at the con-clusions that the effluent was at all times limpid and colourless, and that in addition to the organic matter in suspension, from 84 to 88 per cent. of that in solution was removed. Dr. Billet's microbiological report concludes thus-(1) Crude sewage 5,250,000 microbes per cent. cube. (2) Crude sewage after precipitation by ferozone, 812,500 microbes per cent. cube. (3) Crude sewage after filtration through polarite 42,000 microbes per cent. cube. That is to say, a little more than 99 per cent. of the microbes were removed.

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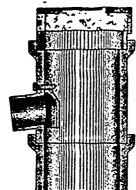
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Paving and Scoria Bricks for Stables, Sidewalks, Yards, etc. Large quantities on hand and to arrive. We handle only the best quality. Prices lower than ever.

F. HYDE & CO.

81 Wellington Street, MONTREAL,

THE "GRAHTRYX" SMOKE TEST AND DISINFECTING MACHINE.

GOPP BROS. GO., (LIMITED)



The only Manufacturers in Canada and Sole Owners of the Canadian Patents of the American

CHAMPION ROAD MACHINES CHAMPION ROCK CRUSHER CHAMPION SGEEL ROAD ROLLER Catalogues Free. Correspondence Solicited

COPP BROS. CO. -HAMILTON, ONT.

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



Manufacturers of Salt-Glazed

Vitrified <u>SEWER</u> PIPES

Double Strength Railway Culvert Pipes, Inverts, Vents,

THE G. & J. BROWN MFG. CO.

Railway and Contractors' Plant.

BELLEVILLE, ONT.

CENTRAL BRIDGE AND - -- - ENGINEERING COMPANY,

Peterborough, Ont.

WM. H. LAW, Manager and Engineer. MANUPACTURER OF

RAILWAY AND HIGHWAY BRIDGES

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

Tension members forged without welds. Riveting done by hydraulic or compressed air machines. Specialities: Good wo-kmanship and strict adherence to specifications and drawings.

CAPACITY: 2,000 TONS PER ANNUM.

Prices of Building Materials.

CONDITION OF THE MARKET

TOKONTO: The improvement noted in the hardware business has been maintained, and numerous orders are reported from the upper lakes, to be shipped by boats before the close of Navigation. Trade has fallen off in plumber's supplies, window glass and paints and oils. Calvanized iron is moving freely, and prices are being well maintained at \$4,25 for 28 gauge. A few ton lots of lead pipe have thanged hands during the past week, but in general the demand is only for small quantities. Cement quotations are unchanged.

Cement quotations are unchanged.

MONTREAL. The market for builders supplies remains quiet, and no renewed activity is blocked for until the spring. Small lines of hardware are moving freely, and travellers report a brighter feeling among the country dealers. The arrivals of cement at this port for the week ending November 3 were 5,700 casks of English brands, which completes the importations for the present season of navigation. Business is quiet and no large sales are reported. I irebricks are reported in good demand at prices quoted below. Glass is steady. Galvanized iron, lead and iron pipe, and cut nails remain unchanged.

LUMBER.

CAR OR CARGO LOTS.									
Tor	onto.								
\$.\$ α36 ∞	\$ 40 ∞(\$ 945 ∞						
1 1/2 to 2 clear picks. Am ins23 00 1 1/2 to 2 three uppers, Am ins.	37 00	40 00	45 00						
1 1/2 to 2, pickings, Autilis	26 0 0	27 00	30 00						
r inch clear 3 x to and 12 dressing and		52 50	60 00						
1 better	2200	18 00	20 00						
I x 10 and 12 mill run16 00	1700		18 00						
1 x 10 and 12 dressing20 00	1400	8 ∞	1000						
1 x 10 and 12 common	1100	10 00	17 00						
1 x 10 and 12 culls 9 00 1 inch clear and picks 28 0	1000	33 ∞	9 ∞ 35 ∞						
t inch dressing and better20 oc	3200	15 OO	20 00						
t inch siding, mill run 14 oc	1500	14 00	16 ∞						
1 inch siding, common12 oc 2 inch siding, ship culls11 oc	1300	12 ∞	14 00 11 00						
z inch siding, mill culls 9 00	10 ∞	8 ∞	900						
z inch siding, mill culls 9 00 Cull scantling 8 00 z 1/4 and thicker cutting up	900	8 ∞	9 ∞						
nlank24 oc	26∞	22 00	25 00						
plank24 oc z inch strips, 4 in to E in. mill			-						
inch strips, commot11 00	15 ∞	11 00	15 00						
'Y inch flooring16 03	12 0) 17 (0	14 00	12 CO						
134 inch flooring 16 00 134 inch flooring 16 00	17 00	14 ∞	16 00						
XXX shingles, sawr, per M 16 in 2 50	2 ćo	2 60	2 60						
XX shingles, sawn 50	: 60	1 65	1 70						
Lath 2 40			•						
YAI D QUOTATIO	ons.								
Mill cull boards and scantling	10 00		10 00						
Shipping cull boards, pro- miscuous widths	13 00		1300						
Shipping cull boards, stocks	16∞		16 ∞						
Hemlock scantling and joist									
Hemlock scantling and joist	1200		10 00						
Shipping cull boards, stocks Hemlock scantling and joist up to 16 ft 11 oo Hemlock scantling and joist up to 18 ft 12 oo Hemlock scantling and joist	3 ∞	12 00	3 co						
Cedar for block naving, per	14 00	13 00	-4 00						
Cedar for Kerbing av ta	5 ∞		\$ 00						
per M	14 00		14 00						
Scanting and jost, up to rote	14 ∞ 15 ∞		14 00 15 00						
" " 2 ` ft	16 0		600						
Scantling and joid, up to 22 ft	1700		17 00						
" 24 st	1900		31 00 10 0						
" " 25 ft	22 00		23 CO						
" " 30 ft " 32 ft	24 00 27 00		25 ∞ 27 00						
" "4 ft	29.0		29 50						
" " 36 ft	31 00		31 00						
" 33 fz " 44 ft	33 00 34 00		33 00 36 : 0						
Cutting up planks, 11/2 and			30.0						
Cutting up planks, 11/2 and	28 ∞	25 ∞	26 00						
thicker, board18 oo	24 >	18 ∞	\$5 00						
B. M.		aQ							
11/4 inch flooring, rough, BM-18 co	30 00	28 00 18 00	31 00 22 00						
134 in flooring, dressed, F.M. 26 oo 134 inch flooring, rough, B.M. 18 oo 134 "dressed, F.M. 25 oo 134 "undressed, B.M. 18 oo	26 on	27 ∞	30 00						
undressed, BM.1800	10 00	18 ∞	19 00						
174 " Gressed	20 30	13 ∞	22 () 15 00						
Beaded sheeting, dressed 20 00	35 ∞	22 00	35 ∞						
XXX sawn shingles, per M	12 00		12 00						
28 in 2 60 Sawn lath 2 50		2 50	3 00						
Cedar 2 50	290	2 50	≥ 60 2 90						
Red 02k	40 00	30 ∞	40 00						
White	45 00 30 00	35 ∞ 18 ∞	45 00						
Cherry, No. 1 and 2 70 00	9000	70 00	20 00 80						
•	•	-							

	oronto. Montreal.
White ash, No. 1 and 2	20 no 30 00 18 00 30 00
Dressing stocks	16 00 22 00 16 00 22 00
Three uppers, Am. inspection	50 00 50 00
BRICK-	
Good Facing	650 600 800 850
Sewer	850 800 850 900
Pressed Brick, Per M Red, No. 1, f.o.b. Beamsville	1: 16 o
	14 15 9 ×
Boff.	21 00
Roman Red	24 co 30 ∞
Brown . Roman Ret	35 00 40 00
Sewer	7 50 6 0
NOO! I II Caa	22 00
Hip Tile (-ach) Ridge Tile	20 60
Red "A" f. o. b. Don Valley Red "B" " " " Red "C" " " "	18 00 25 00
Red "C" " " "	16 00 20 00 13 00 17 00
Pompeijan	21 00 28 00 22 00 29 00
Athenian and Egyptian Tyrian Sigilian	25 00 31 00
Mentan	35 00 41 00 40 00 45 00
Roman Carthaginian	35 00 40 00 40 00 45 00
Ornamental 30	0 00 1110 00 30 00 100 00
ist quality, f.o.b. at Port Cred	dit 14 00 18 00
Hard building brick Ornamental, per 100	6 50 3 00 10 00
8ANI	
Per Load o 11/2 Cubic Yards	1 25 1 25
STON	E.
Common Rubble, per toise,	14 00 14 00
delivered	•
foundation Blocks, per c. ft.	18 00 18 00 50 50
Foundation Blocks, per c. ft. Kent Freestone Quarries Moncton, N. B., per cu	
ft., f.o.b	1 00
ft., f.o.b. River John, N. S., brown Freestone, per cu. ft, f.o.b. Ralleshmule	95
New York Blue Stone	80 90 65 75 1 05
Granite (Stanstead) Ashlar, 6 in. to 12 in., rise 9 in., per ft.	25
Moat Freestone	. ft. 75 80
Credit Valley Rubble, per car	
Credit Valley Brown Course	800
ing, up to 10 inch, per sup. yard, at quarry Credit Valley Brown Dimen-	175
Credit Valley Brown Dimen-	60
sion, per cu. ft at quarry Credit Valley Grey Coursing,	
per superficial yard Credit Valley Grey Dimen- sion, per cubic foot MadocRubble, delive ed, per	1 50 200 2 15
sion, per cubic foot	60 75
toise	14 00 14 50 14 00 14 50
toise	30 32
Ohio Freestene, No. 1 Blue	60
No. 1 Blue Dimension	05
No. 1 Blue Dimension No. 1 Buff Promiscuous No. 1 Buff Dimension	80 85
The above prices means freight and duty paid.	
2 in. sawed flagging per sq.ft	11
7 Au 11 11 11	13¾ 16¾
41 11 11 11 11 11 11 15 15 11 11 11 11 11	22 27 %
Duty to be added to these	33
prices.	
Quebec and Vermont rough granite for building pur-	
poses, per c.ft. f.o.b. quarry For ornamental work, cu. ft.	33 150 35 20
Granite paying blocks, 8 in. to	
Granite curbing stone, 6 in.x	
20 in., per lineal foot	7°
Rocting (V square).	
n red	18 CO 20 CO
unfading green	§ 50 6 2 0
Terra Cotta Tile, per sq Ornamental Black Slate Roof-	8 to 7 50 25 00
ing	8 00
PAINTS. (fi	n oil. 3 9 lb.
White lead, Can., per 100 lbs. "zine, Can., "" Red lead, Eng "venetian, per 100 lbs	675 550 600 625 650 750 750 800
Red lead, Eng	400 500 6
	90 100 90 100
" Indian, Eng	10 12 10 12 5 10 4 6
Yellow chrome	15 20 15 20 7 17 7 12
" Paris	10 25 20 20
Black lamp	15 25 12 25 15 20 12 18
Oil, linseed, raw, & Imp. g.al. "boiled" refined, "	14 59 63 65 57 63 66 68
Putty	78 85 75 75 21/4 21/4 21/4 21/2
Putty	75 100 60 75
Litharge, Eng., dry	90 1 25 9 1 10 4 5 6½ 8 1 15 12 15
Sienna, burnt	1
CEMENT. L	IME, etc.
Cement, Portland, per bbl	2 25 2 50 2 55 2 55
	250 275 245 292
" Newcastle "	250 205 0

MINNOI RECORD.		December 20, 1094
Foronto. Monti	eal.	Toronto. Montreal
Cement, Belgian, per bbl 230 18)	30	COMMON BARREL NAILS.
n Canadian " 2,0 250 225	3 30	1 inch, per 10c lbs 1 50 1 50
n Roman "	2 7S	34 " " ····· 175 75
Parian " 450 471 450	4 75	⅓ " " " 2 25 * 2 5
" Superfine " 650 700 650	7 60	CLINCH HAILS.
" Thorold, " 15 " Queenston, " 1:0		inch, per 10 : lbs. 35 85
" Napance, " 15		100 100 100 100
u Hull u it		2 and 21/ " " 1 15 1 15
Keene's Coaise " Whites" 4 50 4 75 4 50	4 75	1½ and 1½ " 135 135 1½ " 200 200
Calcined plaster, per barrel. 1 55	1 70	17, 200 200 1 " 250 250
Fire Bricks, Newcastle, per M 23 00 30 00 16 50	27 00	SHARP AND PLAT PRESSED NAILS.
" Scotch " 23 00 0 00 24 00 Lime, Per Barrel, Grey 30	30 00	
" " White 40		3 inch, per 100 lbs. 135 135 216 and 216 11 11 1 1 50 1 50
Plaster, Calcined, N. B 200		2½ and 2½ "" 150 150 2 and 2½ "" " 05 165
" " N S 200		114 and 114 " " 185 185
Hair, Plasterers', per bag 80 100		11/2 " " 2 50 2 50
HARDWARE.		1" " " 300 300
Cut nails, 5 d & 6 d, per keg 2 40	2 25	STEEL WIRE NAILS,
Steel 11 11 11 2 50	2 -5	Steel Wire Nails, 75, 10 and 5 % discount from printed list.
CUT NAILS, FENCE AND CUT SPIKES. 40d, hot cut, per 10 lbs 5	5	Iron Pipe:
30d, 11 11 11 I	10	Iron pipe, 1/2 inch, per foot. 6c.
zod, 16d and 12d, hot cut, per		7,
100 lbs	15 20	
10d, ho; cut, per 100 lbs 20 8d, od. 11 11 25	25	12 17 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19
64 94 11 11 11 11 11	40	
4d to 5d, " " " 60	60	11 11 11/4 11 1
3d, " " " 1:0	1 00	
	1 20	Black wrought iron pipe, 67 1/2 off above prices. Galvanized 40/2 Cast and soil 57/2
4d to 5d cold cut, not polished		Galvanized 40%
or blued, per 100 lbs 50 3d to 5d cold cut, not po ished	50	
or blued, per 100 lbs 90	90	Lead Pipe:
FINR BLUED NAILS.	-	Lead p'pe, per lb
ad, per 1 o lbs 150	1 50	Waste sipe, per lb
2d, " " 2 03	200	lots; 30 and 10 % off in ton lots; points east of Toronto,
CASING AND BUX, PLOORING, SHOOK AND TOBACCO	Box	35 and 10 % off.
12d to 30d, per 100 lbs 50	50	Galvanized Iron:
1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M	60	Adam's-Mar's Best and Queen's Head:
8d and 9d, " " 75	75	16 to 24 guage, per lb 4 1/2 c. 4 1/4 c
8d and 9d, " " 75 6d and 7d, " " 90	90	26 guage, " · · · · 474 5
40 10 50,	1 10	28 " 5 5% Gordon Crown—
30,	1 50	16 0 24 guage, per lb 4½ 4½
FINISHING NAILS. inch. per 100 lbs 85	85	16 0 24 guage, per lb 4½ 4½ 26 guage 4½ 4½ 28
3 inch, per 100 lbs 85	100	28 " 4¾ 5
2 to 25/2 " " " " "	1 15	Note.—Cheaper grades about 1/2 c. per lb. less
134 to 134 " " " " 35	1 35	Structural Iron:
1% 175	1 75	Steel Beams, per 100 lbs 2.75 2.50
1 **>	2 25	" hannels. " 285 360
SLATING NAILS.	85	" ungles, " 2 50 2 30
5d, per 100 lbs	85	" (ees, 200 205
રતે. " " 1 25	1 25	" plates, " 2 55 2 35 Sheared steel bridge plate. 2 25 2 35
2d, " " 175	150	Sucreed seen purple houses
		ERTISEMENTS chitect and Builder."

ጥለምስ	nto	Mont	Pagi	Freestone, per cu. it , 1.o.b. 9	95		1	2 25 - 25	" channels, "
	HLV.		1001.	Balloclimyle 80 9	90 6 <u>5</u>		SLATING	NATES. 85 85	" unglese " ····
, \$	\$.	\$. \$	New York Blue Stone		1 05	5d, per 100 lbs	. 85 85	" tees, " ····
to z clear picks. Am ins33 000	≭36 oo	40 ∞(345 00	Granite (Stanstead) Ashlar, 6			4d, " "	. 05 05	" plates, "
to 2 three uppers, Am ins.	37 ∞	40 ∞	45 00	in, to 12 in., rise 9 in., per ft.		25 80	30,		Sheared steel bridge plate.
to 2, pickings, Am ins	26 00	27 ∞		Most Freestone	70	80	ad. " "	. 175 150	
nch clear		52 50	60 00	Thomson's Gatelawbridge, cu. ft.	75	80			
e to and to dressing and		_		Credit Valley Rubble, per car					
better 20 00	2200	18 oo		of 15 tons, at quarry 80	ж		INIDE	X TO ADV	TERTICEM
10 and 12 mill run 16 00	1700		1000	Credit Valley Brown Cours-			INDE	A IU ADV	TIX I IOUM.
: 10 and 12 dressing 20 ∞	22 00		18 00	ing, up to 10 inch, per sup.					
10 and 12 common 13 00	14 00	8∞	10 00	yard, at quarry 17	15		ın	the "Canadian Arc	chitect and Builder
10 and 12 spruce culls 10 00	1100	10 00	17 00	Credit Valley Brown Dimen-					
10 and 12 culls 9 00	1000		900		50				
nch clear and picks 28 👓	3230	33 00	35 ∞	Credit Valley Grey Coursing,			4	Cements.	Heating.
nch dressing and better20 00	22 00	18 00	20 00	per superficial yard 150 20	30	2 15	Architects.		Gurney Foundry Co. xii
nch siding, mill run 14 00	1500	14 00	16 ∞	Credit Valley Grey Dimen-			Ontario Directory III	Bremner, Alex v	King & Son. Warden x
nch siding, common12 ∞	1300	12 00	14 00		5o	75	Queoec Directory ii	Curried Co, W. &F P XII	Ormsby & Co., A. B., I
ach siding, ship culls 11 00	12 00	10 00	11 00	MadocRubble, delive ed, per			4 3 ta	Magune Br.s i	Toronto Radiator Mfg
nch siding, mill culls 9 00	10 ∞	8∞	900	toise	50 14 00 1	14 50	Architectural Sculp-	Morris, E. D vi	Co iii
ll scantling 8 co	0.00	8 ∞	9 00	Madoc dimension floating, f.		. •	tors and Carvers.	Owen Sound Portland	Co iii Williams, A. R xii
and thicker cutting up	,		,	o. b Toronto, per cubic ft. 30	32		Holbrook & Molling-	Cement Co v	Williams, A. R
olank24 00	26 co	22 00	21.00	Ohio Freestone, No. 1 Blue	•		toni		IAme.
nch strips, 4 in to E in. mill			-, 00		50		ton i Wagner, Zeidter &	Cut Stone Con-	Currie & Co, W &F P. xii
un14 00	15.00	74.00	15.00		55		Č	tractors.	Morris, E. D vi
nch strips, commot11 00	12.01	******	13.00		36			Isaac Bros II	
inch flooring16 00	12 (0)		15.00		35		Architectural Iron-	Oakley & Holmes 11	Legal,
inch hooning	17 (0	14 00	15 00	The above prices means			Work.		Denton & Dods II
inch flooring 16 0)	17 01	1400	10 00	freight and duty paid.			B. Greening Wire Co. xii	Chimney Topping.	
CX shingles, sawt, per M	- 4-	- 6-	- 4-		tı		Dominion Ornamental	T. 7.	Metallic Lath.
6 in 2 50	2 (0		2 60		3}4			Bremner, Alex v	B. Greening Wire Co. xii
C shingles, sawn 50	1 00	1 03	1 70	32 11 11 11 11 11	1634		Iron Co vi Dominion Bridge Co. I	Currie&Ca.,W &F.P. xii	Metallic Roofing Co vii
th 2 40					22		Nonthinon Bridge Co. 1	- · ·	
OTATOU D (AY	NS.			Si 11 11 11 2	27%		Meadows, Geo.B ii Shipway Mfg o iv	Drain Pipe	Mortar Colors and
							Shipway Mig o iv	Bremner, Alex v	Shingle Stains.
It cult boards and scantling	10 00		10 00	Duty to be added to these	33		Whitfield, John I	Currie &Co., W&F.P. zii	Cabot Samuel, IV
pping cull boards, pro-				prices.			Art Woodwork.	Hamilton and Toronto	Maguire Brosi
niscuous widths	13 00		13 00	Ouebec and Vermont rough			Carnovsky Wo d Mfg	Sewer Pipe Ca ix	Muirhead, Andrew i
pping cull boards, stocks	16∞		16 ∞	granite for building pur-			Co. Co.	Maguire Bros i	mumero, morew
mlock scantling and joist							Knechtel, SIII	Standard Drain Pipe	Ornamental Plas.
pto 16 ft 11 00	1200		10 €0				Wagner, Zeidler & Co.	Co 11	terers.
mlock scantling and joist				For ornamental work, Cu. II. 35 20	,		wagner, zeitier & Co.		
ip to 18 ft 12 00	300	1200	3 co	Granite paving blocks, 8 in. to			Bricks (Pressed).	Dumb Waiters	Baker, J. D vi Hynes, W J [vii
mlock scantling and joist				12 in. x6 in. x4⅓ in., per M. so ∞	•			•	riyaes, w J
p to 20 ft	14 00	13 00	·4 CO	Granite curbing stone, 6 in.x			Beam-ville Pressed	King & Son, Warden x1	Daluta & Vandalias
dar for block paving, per				zo in., per lineal foot 70	·C		Brick Co ix		Paints & Varnishes.
ord	5 00		500	SLATE.			Morris, E. D vi	Electric and Gas	Harris Co., The E vi
dar for Kerbing, 4 x 14,				Rocting (V square).			Port Credit Pressed	Fixtures	Muirhead, Andrew i
er M	14 00		14 00	" red 18 c		20 00	Brick & Terra Cotta	Barwell, James 1V	73 m d
intling and jo'st, up to 16 ft	14 00		14 00	ıı purple 90		20.00	Co., Limited vi		Painters.
	1500		15 CO			6 20	Taylor Brosviii	Electric Wiring	Gilmor & Caseyv
" 2 ft	16 o		600	u unfading green 8 5.				•	Paring.
intling and joict, up to 22 ft	1700		17 00			7 50	Builders' Supplies.	Rogers & Doss IV	The Cuelish Silies
" 24 ft	19 00		19 0	Ornamental Black Slate Roof-	ю		Bremner, Alex v	Pl = 4	The Guelich Silica Barytic Stone Co IV
" " 26 ft	2,00		21 00				Currie & Co., W & F P. xii	Elevators	Barytic Stone Co 1
" " 25 ft	22 00		23 CO	ing 80			Clatworthy, Geo x	Fensom, John IV. Leitch & Furnbull I	Plasterers
" 30 ft	24 00		25 ∞	PAINTS. (In oil, \$916	5.		Maguire Bros	Leitch & Turnbull 1	
" " 32 ft	27 00		27 00	White lead, Can., per 100 lbs. 6 75 55		6 25	Morris, E D vi	Williams, A. R xii	Hynes, W. J vii
" " :4 ft	29.0		29 50	" zinc, Can., 11 11 650 75		8∞	Rice Lewis & Son IV	Eu anament	Diambian Commit
" " 36 ft	31 00		31 00	Red lead, Eng 400 50		6		Engravers.	Plumbing Supplies
" " 33 6	33 00		33 00			-	Building Stone	Can. Photo-Eng Bu-	Barwell, Jam s V
" 44 ft	34 00		36:0	venetian, per 100 lbs 1 60 17		1 75	Dettlers.	reau iv	Campbell & Purvis ix
tting up planks, 1 1/2 and	34 00		30:0	" vermillion 90 10		1 00	Carroll, Vick & Ca vii		Dominion Sanitary .
hicker, dry 25 00	25 00	ar	26.00	" Indian, Eng 10	15 10	12	Builders' Hard-	Fire Brick and Clay	Pottery Co ix
tting up planks, 11/2 and	20 00	25 W	20 00		10 4	6		Bremner, Alex v	Dominion Sanitary Pottery Co
hicker, board 18 00			•• ••		20 15	20	mare,	Currie& Co W &F P. xii	Totonto Strei Ciau Dath
	74 ,	10 00	22 00	Green, chrome	12 7	17	Rice Lewis & Son IV		& Metal Co vii
В. м.				Paris 10 2	32 30	20	Creosote Stains	Magu te Bros i Morris, E. D vi	McRae & Co II
in flooring, dressed, F M. 26 00	10 00	28 oo	32.00	Black lamp	25 12	25	Cabot, Samuel IV	Standard Drain Pioe	
inch flooring, rough, BM. 18 co	22 00	18 00	22 00	Blue, ultramarine 15	30 13	18	Carrie Camaria av		Plate Glass
tnch flooring, rough, BM.18 co dressed, FM.25 co	28 00	27 00	30.00		59 63 63 66	65 68	Church and School	Co II	Harris C., The E vi
" undressed, B M, 18 oo	ta 00	18 ∞	10.00	" boiled " 57 6	63 66		Furniture.	Caluaniania Toon	Hobbe Mfg. Co v
" dressed 18 ∞	20.00	18 co	22.01	remieu, 75 (85 75 21/2 21/4	232	Can. Office & School	Galvanized Iron	McCausland & Son x
undressed 12 00	15.00	12 00	15.00	Pully 23/2 :			Furniture Co x	Horkers.	The Co 150 idated Plate
idea specime, diessed 20 oo	35.00	22 00	35.00	Whiting, dry, per 100 lbs 75 1 c		75	Carnovsky W a d Mfg.	Tucker & Dillon II	Glass Co ii
pboarding, dressed	1200		12 00	Paris white, Eng., dry 90 1:		1 10	Co x x x x x x x x x x x x x x x x x x x	Douglas Bros II	
X sawn shingles, per M			-400	Litharge, Eng 4	5 63/2		Office Specially Co	Ormsey & Co., A. B I	Parquetry Floors
8 in 2 60	2 10		3 ∞		15 12	15	Snider, J. B x		Elliott & Son I
rn lath 2 50	263	2 50		Umber. " 83/	17 12	15		Granite	
lar	200	- 35	3 00	CEMENT, LIME, etc.	? ~ .		Church Reflectors	Biunet, Ios III	Plumbers

, Quindanan 71.	
Cements.	Heating.
	Gurney Foundry Co. xii King & Son. Warden x
mner, Alex v	King & Son, Warden x
rie&Co, W.&F P zii	Ormsby & Co., A. B., I Toronto Radiator Mfg
gune Br s i	Toronto Radiator Mfg
mis, E. D vi	Co 111
en Sound Portland	Williams, A. R xii
ement Co v	
Cut Stone Con-	Line.
tractors.	Currie & Co, W & F P. xii Morris, E. D vi
c Bros 11	atoms, E. D vi
ley & Holmes II	Legal,
, a 110.22 11	Denton & Dods II
imney Topping.	
	Metallic Lath.
mner, Alex v rie&Co.,W &F.P. xii	B. Greening Wire Co. xii
nedca, w dr.1. xii	Metallic Roofing Co vii
Drain Pipe	
	Mortar Colors and
mner, Alex v rie &Co., W&F.P. zii	Shingle Stains.
ne aco., war.r. xii	Cabot Samuel, IV
nilton and Toronto	Maguire Bros
ewer Pipe Co iz	Muirhead, Andrew i
ewer Pipe Co iz guire Bros i idard Drain Pipe	Owner, and all Illes
o II	Ornamental Plas-
······································	lerers.
Dumb Waiters	Baker, J. D vi Hynes, W J
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