

CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF
PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • AND MUNICIPAL PROGRESS

EVERY WEDNESDAY

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.

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SEPTEMBER 25, 1901

No. 34

THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY WEDNESDAY

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BRIDGE NOTICE

Sealed Tenders, marked "Tender for Superstructure of Andover Bridge," will be received at the Department of Public Works, Fredericton, until

Monday, 30th day of September,
1901, at noon,

For building the Steel Superstructure of "Andover Highway Bridge," across the St. John River connecting the Villages of Andover and Perth, Victoria County, N.B., according to Plans and Specifications to be seen at the Public Works Department, Fredericton, N.B. The structure consists of five through pin connected truss spans, each 138 ft. in length from centre to centre of end pins. For detail information relating to plans and specifications apply to A. R. Wetmore, provincial engineer, Fredericton, N.B. Each tender must be accompanied by a certified bank cheque or cash, for an amount equal to five per cent. of the tender (would prefer not receiving P.O. orders), which will be forfeited if the party tendering declines to enter into contract when called upon. Should the tender be not accepted the deposit will be returned. Two good sureties must be named in each tender. Not obliged to accept lowest or any tender.

C. H. LAHILLE S.,
Chief Commissioner.

Department of Public Works,
Fredericton, August 13th, 1901.

COAL TAR FOR SALE

Would Contract to Supply
Year's Output.

APPLY TO

Stratford Gas Co.
STRATFORD, ONT.

TENDERS WANTED

HOUSE OF REFUGE

Sealed tenders will be received by the undersigned until TUESDAY NOON, OCTOBER 31st, 1901, for the erection of a House of Refuge for the County of Ontario.

Plans and specifications may be seen at the offices of the architects, G. M. Miller & Co., 39 Yonge Street, Toronto; of James Carnegie, Chairman of the Building Committee, Port Perry, and of the County Clerk, Whitchy.

The lowest or any tender not necessarily accepted.

JNO. E. LAREWELL,
County Clerk, Whitchy.

Tenders for Cast Iron Water Pipe, Special Castings, Hydrants and Valves.

Sealed tenders, addressed to Chairman Fire, Water and Light Committee, for the supply of a quantity of Cast Iron Water Pipe with Special Castings, Hydrants and Valves, will be received at the office of the undersigned up to 12 o'clock noon on

Friday, October 4, 1901.

Specifications and forms of tender may be obtained at the office of Col. H. N. Ruttan, City Engineer, Winnipeg, Canada.

Each tender must be accompanied by accepted cheque or cash deposit for the sum called for in form of tender supplied, which will be subject to forfeiture in case of failure to enter into a written contract with approved sureties if called upon to do so.

The city reserves the right to reject any or all tenders or to accept any bid which appears advantageous to the City of Winnipeg.

City Clerk's Office,
Winnipeg, Sept. 18, 1901.

C. J. BROWN,
City Clerk.

CONTRACTS OPEN.

HULL, QUE.—A scheme is on foot to build a theatre. P. H. Derochur is interested.

MERRICKVILLE, ONT.—The Roman Catholic church to be built here will cost \$10,000.

CARIBOU GOLD MINES, N. S.—Steps are being taken to build a Presbyterian church here.

MILDMAY, ONT.—Over \$10,000 has been subscribed for the proposed bent chair factory.

POINTE AU PIC, QUE.—John Warren, general merchant, has decided to build a large store.

McLEOD, N. W. T.—It is proposed to build a court house and jail here, a site having been selected.

BERLIN, ONT.—An addition to McBrine & Co.'s trunk and valise factory will be built this fall.

SANDWICH, ONT.—Essex county council has authorized the sale of \$10,000 of debentures.

INGERSOLL, ONT.—The council is now taking tenders on construction of pile bridge on Charles street.

PAKENHAM, ONT.—A by-law to

raise \$16,500 to pay for new bridge was carried by the ratepayers last week.

WOODVILLE, ONT.—The Canadian Dressed Poultry Co. proposes to establish a cold storage plant here to cost \$30,000.

SARNIA, ONT.—It is understood that the Sarnia Gas & Electric Light Co. will extend their mains to Point Edward.

BADEN, ONT.—It is said that the first factory to be built by the Canada Beet Sugar Co. will be located at this place.

BRANDON, MAN.—Plans have been completed for a new flour mill to be built by Messrs. Law and W. Alexander.

KINGSVILLE, ONT.—It is probable that the waterworks intake will be extended at an approximate cost of \$5,000.

DALHOUSIE, N. B.—It is understood that a company is being formed to construct a telephone system in this vicinity.

WATERLOO, ONT.—A by-law to issue \$5,000 for extension of waterworks system has been finally passed by the council.

NORTH TOPONTO, ONT.—By-laws were passed at last council meeting providing for an issue of sidewalk debentures.

PORTAGE LA PRAIRIE, MAN.—It is probable that steps will be taken by the council to put down granolithic sidewalks.

GLACE BAY, N. S.—The council has made an offer to purchase the property of Mr. Nolan as a site for proposed town hall.

TRURO, N. S.—Tenders are being taken for erection of new academy building, of brick and stone. Hopson Bros. are architects.

CHIPMAN, N. B.—The James Barnes Construction Co., of this place, is prepared to let the contract for grading 15 miles of railway.

EDMONTON, N. W. T.—The government inspector of penitentiaries is about to submit a report to the department upon the most desirable location for a court house and jail here.

NIAGARA FALLS, ONT.—The plans of the Fort Erie electric railway extension to Chippewa have been approved of by the government.

OSHAWA, ONT.—The Oshawa Wire Fence Co., capital \$50,000, has been incorporated. F. L. Fowke and T. H. Everson are interested.

HEPWORTH, ONT.—The Gray & Bruce Oil and Gas Co. are asking for tenders for the installation of a natural gas plant in this village.

STRETSVILLE, ONT.—F. Buchanan, of Toronto, has made a final proposition to the village in regard to the starting of a leather factory here.

SUNDRIDGE, ONT.—On October 2nd the ratepayers will vote on a by-law

to assist the Veneer & Box Co. to establish a factory here.

WHITBY, ONT.—Tenders are invited by J. E. Farewell, county clerk, up to October 8th, for erection of House of Refuge for the county.

SHALLOW LAKE, ONT.—R. J. Doyle is about to build a restaurant and has commenced work on two brick tenement houses.

BRANTFORD, ONT.—It is rumored that the Toronto, Hamilton & Buffalo Railway will build a line from this city to Woodstock, to connect with the C. P. R.

HINTONBURG, ONT.—The trustee board of the Methodist church have appointed a committee to consider the question of erecting an addition to the church.

GALT, ONT.—The by-law to grant a loan of \$7,000 to the Burrows Carpet Co., of Guelph, to establish a factory, here will be submitted to the ratepayers on October 6th.

PARRY SOUND, ONT.—The voting on by-law to borrow \$40,000 for water-works extension resulted in the defeat of the proposition.—Plans for the Jukes block have been accepted.

SPARROW LAKE, ONT.—A deputation from this vicinity have asked the Ontario Government to make a grant towards the building of a bridge over the Severn river at this place.

WOODSTOCK, N. B.—It is the intention of Fred Moore to build a new saw mills to contain rotary saws, two shingle mills, patent edger, clapboard and lath machines, etc.

PORT HOPE, ONT.—R. Gray, secretary water commissioners, has taken tenders for wooden tank, frame work, heavy timber and brick work of building to be built in rear of water tower.

BRACEBRIDGE, ONT.—A meeting of the directors of the Bracebridge and Trading Lake Co. was held recently, when Mr. Brunel was engaged to prepare plans and profiles of the road.

MONCTON, N. B.—Tenders are asked by D. Pottinger, general manager Intercolonial Railway, up to October 1st, for erection of station and freight house at Trois Pistoles and tank at Chaudiere.

TORONTO JUNCTION, ONT.—J. A. Pierson intends building a residence on the corner of Clendennan and Annette streets.—Mrs. Wilson, of Laws street, is preparing to build a residence on Louisa street.

LONDON, ONT.—A. O. Garydon, city engineer, is calling for tenders for addition to public library.—The city engineer has recommended the construction of sewers on King and Rectory streets.

FORT STEELE, B. C.—The first annual meeting of the Kootenay Central Railway Co. was held here early in September. The company proposes to construct a railway along the valley of the Kootenay river.

SHAWINIGAN FALLS, QUE.—It is proposed to submit a by law to the ratepayers to raise \$65,000 for public works, including waterworks and sewerage systems, fire protection appliances, and erection of city hall and public market Particulars from J. E. Desaulniers.

QUEBEC, QUE.—The following building permits have been granted: E. Peletier, alterations, corner Marguerite and Crown streets, cost \$600; J. Vermette, repairs to building, Colomb street, cost \$2,500; T. Langelier, brick building on DeSalabery, cost \$5,000.

GRAND FORKS, B. C.—Oliver Weathered, president of the London & British Columbia Gold Fields Syndicate,

and J. R. Robertson, manager of the company, have made a tour of the Boundary district and made arrangements for the carrying out of water power development at Cascade.

SUDBURY, ONT.—The Department of Public Works have approved of plans for the route of the Manitoulin & North Shore Railway for a distance of 18 miles south-east from this place. The plans of the Bruce Mines and Algoma Railway from Bruce Mines to Rock Lake, 16½ miles, have also been approved.

WINNIPEG, MAN.—The council has given notice of its intention to construct a cedar block pavement on concrete foundation on a portion of Princess street, at a cost of \$17,345.—Tenders are being taken this week for the supply of 1,500 to 2,000 barrels of cement.

HAMILTON, ONT.—Building permits were last week granted as follows: W. J. Larkin, two brick dwellings on Princess street, between Earl street and Gibson avenue, cost \$2,000; P. Bayne, brick dwelling on Locomotive street, between York and Barton streets, cost \$900.

SMITH'S FALLS, ONT.—The by-law to grant a bonus of \$20,000 to the Frost & Wood Co. was carried here last week by a large majority. As a result, the works of Coulthard & Scott, Oshawa, recently purchased by the Frost & Wood Co., will be removed to this town, and the present works enlarged.

SAULT STE. MARIE, ONT.—Ground has been broken for an immense steel tube works to be built here in connection with the Clergue enterprises. The buildings will cover an area of 500x1200 feet, and will be one storey, with steel walls and steel roof. The consulting engineers are S. V. Huber & Co., of Pittsburg.

SYDNEY, N. S.—Arrangements are reported to have been completed last week for the building of an electric railway connecting the leading towns of Cape Breton.—The present electric light plant is inadequate and some steps will have to be taken to increase its capacity. There is a feeling that the town should take over the plant and make the necessary improvements.

VANCOUVER, B. C.—The council have accepted the plans submitted by G. W. Grant, architect, for the proposed Carnegie public library. Seven sets of plans were received. The building is expected to cost \$40,000.—It is reported that a saw-mill, in which W. Ludgate and J. G. Scott are interested, is about to be built on the water front facing Deadman's Island.

COLLINGWOOD.—Plans have been prepared and tenders are about to be invited for the buildings to be erected by the Cramp Steel Co. There will be a blooming train mill 52 x 208 feet, of wood covered with corrugated iron, merchant bar mill 72 x 194 ft.; machine shops 45 x 64 ft., pit furnace house 62 x 112 ft., boiler house 62 x 192 ft. John Wilson is architect.—Thomas and John J. Long have offered to provide a free site on

which to build the Carnegie public library.—Mr. Parkin has purchased two lots near the west ward school.

ALMONTE, ONT.—A meeting of citizens was held last week to consider the advisability of establishing a factory to manufacture binder twine. It is proposed to form a company with a capital of \$100,000, and a committee including the Mayor and W. B. Wylie was appointed to report upon the question.—The town is looking into the question of acquiring a water power for the operation of the electric light plant.

ST. JOHN, N. B.—The council is in favor of expropriating certain property on the west side for the extensive improvements contemplated by the C. P. R.—E. Manning is this week taking tenders for plumbing and repairs to Bently street school; H. H. Mott, architect.—On behalf of the St. John Railway Co., M. Neilson, secretary, invites tenders up to Oct. 20th for purchase of \$25,000 5 per cent. bonds.—Plans of heating apparatus to be installed in the Quarantine Station, Partridge Island, by the Dominion government are on view at the office of D. H. Waterbury, Custom House. Tenders close October 1st.

OTTAWA, ONT.—The Department of Public Works invites tenders up to October 1st for installation of heating apparatus in the Quarantine Station at St. John, N.B., and for heating apparatus at the Public Building, Hochelaga. Plans at above department.—Tenders close same date for heating apparatus in public building at Paris, Ont. Plans on application to Duncan McKay, clerk of works, Paris.—The city council has given notice of its intention to construct the following works: Tar macadam pavement on Queen street, cost \$2,600, and on Slater street, cost \$4,308; sewer on St. Patrick and Notre Dame streets, cost \$2,905; concrete sidewalks on portions of Preston, Croper and Victoria streets, approximate cost \$2,200.

VICTORIA, B. C.—The city council have adopted the recommendation of the city engineer that tenders be asked for building the new steel bridge at Point Edice. Two sets of plans are to be prepared by the city engineer for the bridge builders to tender on.—The by-law to raise \$100,000 for the improvement and extension of the sewerage system has been passed by the council.—S. Macure has been appointed architect for the new government building to replace Carey Castle, destroyed by fire some time ago.—Tenders close 30th inst. for bridge across Kettle river at Ingrams, West Kootenay.—Tenders are invited by J. Dowler, city clerk, up to October 31st, for construction of steel bridge of 600 feet length, with 24 feet roadway.

MONTREAL, QUE.—Plans of heating apparatus to be installed in public building at Hochelaga are on view at the office of C. Desjardins, at the post office in this city.—Building permits have been granted as follows: Mrs. Albertina Lallemond, alterations to three storey house, 305 Pine Ave., cost \$1,000, Lamb

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TORONTO MONTREAL ST. JOHN HALIFAX

McDuff, one two-storey house, 24 University st., cost \$3,500 (Hutchison & Wood, architects, W. H. Boon, contractor); Jos. Boucher, house on Drolet street, cost \$1,500; C. Rosenthal, alterations to house and factory on Papineau street, cost \$2,000 (Benard & Pari, architects, A. Prevost & Cie, contractors); S. Renault, three-storey house, Aylwin street, cost \$2,700 (G. Terault, contractor); J. M. Jeal, three-storey house, Drolet street, cost \$1,900; Chas. Bergen, alterations to house, 1899 St. Catherine street, cost \$1,200 (L. R. Montbriard, architect, Jos. Gravel, contractor); Board School Commissioners, house and educational building on Laurier Ave., cost \$15,000 (Sincenne & Courval, architects, Louis Ouimet, contractors), W. Laporte, two-storey house in Iperville, cost \$1,200 (C. A. Reeves, architect); J. Brossseau, alterations to three two-storey houses, Massue street, near Laurier ave, cost \$1,000 (Chas. Reeves, architect, J. Brossseau, contractor); A. Edmond, 2 three-storey houses, Joliette st., cost \$2,400, (A. Terault, contractor.) H. Levesque, two-storey house, 377 Seigneurs street, cost \$1,500; O. Therrien, two-storey house, Aylwin street, cost \$1,500; E. Laberge, three-storey house, 222 St. Michael street, cost \$2,800 (Geo. Terault, contractor.)

TORONTO, ONT. —Mr. McFarren, 500 Board of Trade Building, wants tenders from all trades for the erection of a frame and plaster residence.—The congregation of Walmer Road Baptist Church have decided to put in a new system of heating.—A company is being formed, with a proposed capital of \$300,000, to establish cement works at Ashbridge's Marsh, in the east-end.—A. R. Denison, architect, has reported in favor of rebuilding the furnaces at the western crematory, with chimney stacks a distance of 40 feet from the building, and with a system of fuel economisers. The estimated cost is \$7,000.—The committee appointed to raise funds for the erection of a new Catholic church on the corner of Close avenue and King street have met with good success, and expect to be in a position to let the contract at an early date.—The city has given notice of its intention to construct an asphalt pavement on Harvard avenue, from Calendar street to Roncesvalles avenue, at a cost of \$7,690.—An asphalt pavement on St. Clarence avenue, from College to Lorimer has been petitioned for.—The city engineer has recommended the construction of the following works: Asphalt pavement, Cottingham street, from Avenue Road to Rathnally avenue, cost \$5,725; cedar block pavement, Spadina avenue to Augusta avenue, cost \$1,880; concrete pavement, lane, first south of King street, from west side of Church to west end, cost \$885; concrete sidewalk, Bleecker street, west side, from Carlton to Wellesley, and on Bedford Road, east side, from Bloor to Lowther avenue.—Plans of proposed House of Refuge for the county of Ontario may be seen at the offices of G. M. Miller & Co., architects, 59 Yonge street, this city. Tenders close October 8th.—The following building

permits have been granted. Matthew Guy, two storey brick residence, McMaster avenue, cost \$2,600; H. MacLeod, brick store and dwelling, 36 Leopold street, cost \$3,000; Miss M. J. Allan, alterations to 5 Duke avenue, cost \$2,500; B. O. Furey, two-storey brick dwelling, east side Brooklyn avenue, north of Queen, cost \$1,200; Mrs. S. Saunders, pair semi-detached brick stores and alterations on Harbord street, cost \$1,200; Albert Doherty, two-storey brick building, 333 Queen street east, cost \$1,100; The Newell & Hugel Co., factory, corner King and Bathurst streets, cost \$10,000; E. T. Malone, residence in Queen's Park, south of Bloor street, cost \$8,000; Murray estate, additional storey to warehouse, Leader Lane and Wellington street, cost \$3,000; E. A. Drummer, pair dwellings, 327 and 329 St. Clarens avenue, cost \$3,500.

FIRES.

The village of St. Bruno, on the Lake St. John Railway, in Quebec, was almost completely wiped out by fire last week.—Shingle mill of W. H. Miller, two miles west of Campbellton, N.B., totally destroyed; loss \$4,000, no insurance.—Twelve buildings at Sayabec, Que., destroyed by forest fires. Confectionery store of F. Harrison and tailor shop of H. B. Holden at Leamington, Ont., partially destroyed.—Stores at Port Perry, owned by C. H. Allison, druggist, F. H. Purdy, grocer, A. Ross & Co., general merchants, S. T. Cawker, butcher, and residence of W. Tremeeer. The loss is largely covered by insurance. Carpentry shop of A. Petchap, grocery store of J. B. Pharland, and Grand Trunk Railway Station at South Durham, Que. Fire at Berthierville, Que., on 18th inst., destroyed the town hall, loss \$12,000, the market, and stores of H. Bourgeois, J. L. Giroux, M. A. Caisse and Madame Laplume. The loss will

reach \$60,000.—Building at Waterloo, Ont., owned by A. Bauer and occupied by the Berlin Brush Works; loss \$2,500. Carding mill at Nashwaaksis, York county, N. B., owned by Charles E. Hill; loss \$3,000.

CONTRACTS AWARDED.

STIRLING, ONT. G. Crowe & Son have secured the contract for laying granolithic walks in this village. PEMBROKE, ONT.—The tender of B. Michael for construction of retaining wall & stone bridge has been accepted. PAISLEY, ONT.—Hugh McArthur has let the contract for building an addition to the Royal Hotel to Thos. Kerr. BATHURST, N.B.—The contract for plumbing in court house has been let to Mr. Fitzgerald, of St. John; price, \$1,500. CHESLEY, ONT.—A.W. Harrison, of Toronto, has purchased \$12,442 twenty year 4 per cent. village debentures, at \$12,500. PARRY SOUND, ONT.—Ald. S.R. Poulm, of Ottawa, has received the contract for brick bank to be built here for Bank of Ottawa. VICTORIA, B.C.—McLean Bros. have secured the contract for reconstruction of the North Arm bridges at Eburne. The price is in the neighborhood of \$13,000. MONTREAL, QUE.—McVicar & Heriot, architects, have let the contract for stable and coach house on Du' hester street for T. C. Sloughnessy, of the C.P.R. to John P. O'Leary. CARLETON PLACE, ONT.—Contracts for the county House of Refuge have been awarded as follows. Carpenter work, J. J. O'Neil, Almonte, \$8,000, masonry, George Bradford, Almonte, \$6,895; plumbing, heating and lighting, Brown & Read, Smith's Falls,

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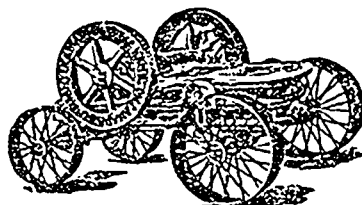
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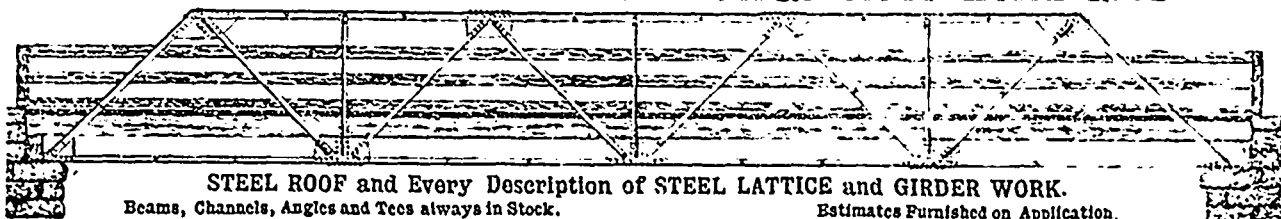


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\$3,300. The basement will be built this fall and the whole building completed by November 1st, 1902.

LONDON, ONT.—H. C. McBride, architect, has accepted the following tenders for a new residence on Colborne street for B. Smallman, to cost \$18,000: Masonry and brickwork, Everett & Sing; carpenter work, Jno. Shopland.—P. L. Marden & Co. of this city, have been awarded the contract for cement sidewalks at Port Colborne, contract price \$15,000.

COLLINGWOOD, ONT.—The council opened tenders last week for new boiler, dynamo, etc., for electric light plant. Tenders were taken on two sizes of boilers, namely, 14x66 inches and 14x72 inches. The bids were: Goldie & McCulloch, for the smaller \$792, and for the larger \$915, F.O.B. Galt; Waterous Engine Co., \$840 and \$1025, F.O.B. Brantford; J. Abell Engine Co., \$772.41 and \$884.55 F.O.B., Toronto; J. Inglis & Sons, \$1025 and \$1085, F.O.B. Toronto. The tender of the Waterous Co. for the smaller boiler was accepted. For supply of dynamo tenders were received from the Canadian General Electric Co. at \$2,080, \$2,300 and \$2,450, and from the Westinghouse Co. at \$2,900. The purchase of the cheaper machine of the Canadian General Electric Co. was decided upon. The Canadian General Electric Co. were given the contract for wire at 19½ cents per pound, and White Bros. that for a carload of iron pipe, at \$32.30 per ton f.o.b. Collingwood.

Bion, Calixte & Fils, carpenters, Levis, Que., have dissolved partnership.

ALWAYS IN STOCK

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Yracuse Smelting Works, Montreal, P.Q.

REAL ESTATE TRANSFERS.

The following recent transfers of vacant property in Toronto have been registered: Sarah Macdonald to Elizabeth Howie Macdonald, 35.4x132 ft., east side Ontario street, being part lots 12 and 11, block 6, plan 198; in consideration of \$1.

Sarah Macdonald to Eldred M. Macdonald, 35.4 x 132, east side Ontario street, being part lot 11 and 10, block 6, plan 168; in consideration of \$1.

Emerson Coatsworth, jr., to Charles Abbott, 30 x 120, north side Lake Front, east of Woodbine avenue, being lot 59, plan 198 E, sale price \$300.

Mary Schryver Clemow to Henry W. Simpson, 275.4 x 96, south side Pears avenue, and 135.3 x 65, north side Pears avenue, being lots 2, 3, 4, 5, 8, 9, 14, 15, 16, plan 78 E; in consideration of \$1.

Samuel Howarth to Lindley H. Bowerman, 49.5 x 127, east side St. Clarens avenue, being lots 34 and 35, plan 1,030; in consideration of \$1.

Christina Smith to Henry W. Smith, 19.6 x 132, north side Harvard avenue, being part lot 11, plan 591; sale price \$240.

City of Toronto to York County Loan & Savings Company, 23.3 x 125, east side Roncesvalles avenue, being part lot 13, plan 729; sale price \$154.45.

Alx Brown to John O'Donohue, 15 x 147.7, north side Dundas street, being part lot 58, plan 287; sale price \$275.

Provident Investment Company to Confederation Life Association, 50 x 127, east side Howland avenue, being lot 181, plan 698; sale price not yet given.

Toronto General Trusts Corporation to Mary Quirt, 42 x 100, south side King street, corner Spencer avenue, being part lot 17, plan 431; sale price \$1,428.

Gertrude Hall to York County Loan and Savings Company, 100 x 135, north side College street, west of Soraraen avenue, being lots 50 and 51, plan 72; sale price \$600.

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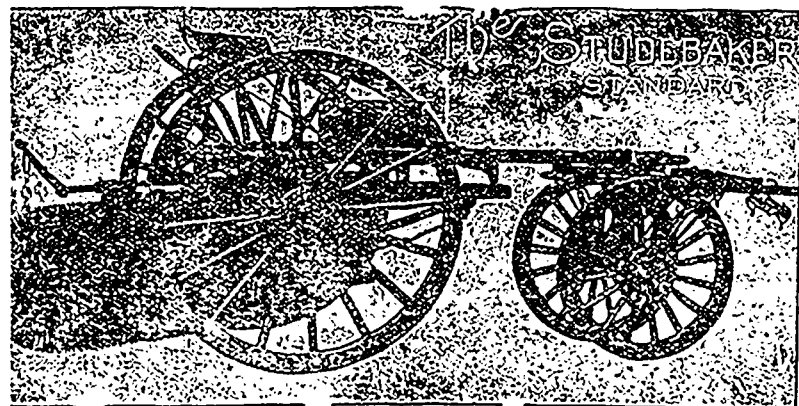
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45 x 132, east side Hamburg avenue, being lot 12, block D, plan 622, in consideration of \$1.

City of Toronto to Mary Chessemé, 19 x 119, east side Brock avenue, being part lot 1, plan 587, assessed at \$133; 17.5 x 110, east side Tyndall avenue, being part lot 7, plan 725, assessed at \$105; and 12.6 x 96 south side Huxley street, being part lot 8, plan 1,043, assessed at \$125.

Marie K. Hubble to Wm. Reid, 37.2 x 126, west side Preston avenue, being lot 76, plan 861; sale price \$125.

Sun Savings and Loan Co. to York County Loan and Savings Co., 90 x 120, south side Marmaduke street, being lots 20 and 21, plan 873; sale price \$720.

David B. Layton to Lillian Hudson, 45.6 x 125 west side Soraraen avenue, being lot 56, plan 729; sale price \$540.

Lillian Hudson to York County Loan and Savings Company, 45.6 x 125, west side Soraraen avenue, being lot 56, plan 729; sale price \$550.

Amelia E. Adams to York County Loan and Savings Company, 53 x 128, east side Roncesvalles avenue, being lot 29 and north 9 feet lot 30, plan 713; sale price \$1,060.

SOME MORE REVOLUTIONS.

Now comes one, L. A. Brown, of St. Louis, says the Improvement Bulletin, with a new building material which is going to "revolutionize the building industry," according to the newspapers. Mr. Brown's revolutionizer is said to be a compound composed mostly of common sand, cement, fused with sulphur and colored with pigments. The inventor claims that at very small cost he can make a material to compete with iron, stone, marble, clay, wood, glass, and all the rest of them. He says it is a non-conductor of electricity and heat, acid-proof and impervious to water,

hence available for use in constructing sewer pipe, electric light conduits and water mains. Molds are to be used, and after these are made common labor can do the rest right on the ground. The product is said to be susceptible of a high polish. Prof. Brown is to be congratulated and the building business is to be revolutionized.

There was shown at the recent Minnesota State fair another similar scheme. John Powers is the inventor. The product is an imitation of stone made from sand and cement. This material is by hydraulic pressure attached to backing plates of wood which can be used for veneering buildings. Good results at very low cost are claimed.

USE OF CONCRETE.

The satisfactory results following the use of cement concrete for arched bridges in other countries has led the Spanish authorities to adopt this material for the

new bridge of Las Segadas over the river Ualon. It will have, according to the Builders' Reporter, a span of 165 feet; the arch and spandrels will be composed of concrete to the almost total exclusion of all other materials, and the spandrels will be of open design formed of vertical pillars carrying arches. Pivots or joggles are to be used at the crown and at the springings of the arch. The arch is segmental, and has a rise of 18 feet 9 inches from the centre of the pivot at the springing to the centre of that at the crown. At these two points the depth of the arch is the same, and measures 3 feet 7 inches, but at the centre of the half arch

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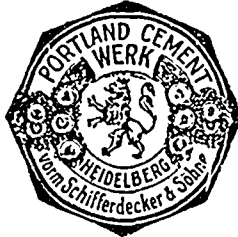
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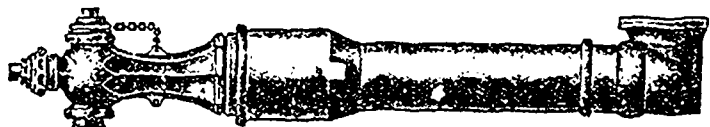
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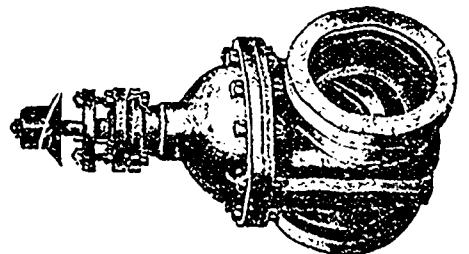


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the depth is increased to 4 feet 8 inches. Between the open cast-iron parapets, which are 4 feet high, the width of roadway is 17 feet, but no provision is made for foot-paths. The main arch is to be faced with brickwork. The spandrel arches are 5 feet span. The composition of the concrete to be used in this work is as follows, the proportions being by volume:—Cement 1, sand 2½, and broken stone 5.

ADULTERATION OF CEMENT.

In a recent article on slag cements Professor W. K. Hatt makes reference to a possible method of determining the presence of slag adulteration in Portland cements. This method appears likely to prove of practical value to cement users. The article points out that the characteristic color shown by a water-hardened pat or briquette of slag cement, when fractured, is green, but that upon drying by exposure to air this green color bleaches to white. This change of color is due to the presence in slag cements of from 1 to 1½ per cent. of sulphides, which, upon exposure to air, are oxidized. A similar coloration and bleaching action is witnessed when a Portland cement has undergone faulty calcination, because there was not a sufficiently oxidizing flame in the kiln. The fact, therefore, that a Portland cement briquette hardened in water bleaches from green to white upon exposure to air, is only presumptive evidence that slag adulteration has been practised; it may be the result of faulty calcination. In either case the fact is one whose determination is of value to the engineer, since it gives him warning that the character of his cement supply is open

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to suspicion. The use of ground slag as an adulterant of Portland cements is well known, particularly in Europe, where cement users have been compelled to take stringent measures to protect themselves from the fraud. In America far less tendency has been shown by cement manufacturers to practise adulteration, but it is nevertheless certain that it is sometimes done.

MAKING ARTIFICIAL WOODS.

A process has just been patented for making artificial woods out of pulp, so as to imitate such costly kinds as mahogany and rosewood. Indeed, the inventor claims to be able, by the help of his machine, to reproduce the appearance of quartered oak, curly maple, birds-eye maple, or practically anything else that grows in the forest, so perfectly as to deceive the trained eye. Obviously such an achievement should be of high commercial value, inasmuch as the more expensive woods are luxuries within reach only of people of means, the rarest of them coming from distant tropical countries.

The process does not reproduce the texture of wood, but merely their appearance. The pulp is thrown upon a cylinder by an airblast projected through a number of pipes, and an irregular distribution of the particles is obtained by various devices such as varying the intensity of the blast and causing the pipes to vibrate. In this way the knots and grain of the natural woods are said to be counterfeited with surprising success.

Artificial woods of this kind are available for use as veneers, the employment of which is so extensive at the present time. Nearly all of the imported natural woods as sold as veneers. They are cut in extremely thin slices, because they are too costly to be used solidly. Mahogany, rosewood, curly ash, figured birch, satinwood, and Circassian walnut are most in demand, and veneers made from them bring from three-half pence to five pence a

foot. Some veneers are worth ten pence a foot, though mere shavings, and a single log of rare wood is sometimes valued at as much as £500.

NOTES.

The town of Carleton Place, Ont., has just purchased a 12 ton steam road roller. The first steel bridge in Middle Yukon has been formally opened for traffic. It spans the Klondyke river about a mile and a half from Dawson. The main span is 154 feet long, and rests on steel caissons filled with cement and strengthened with crib and rockwork. The total cost of the bridge in position was \$30,000.

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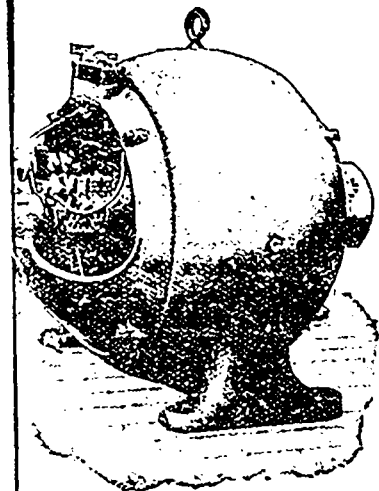
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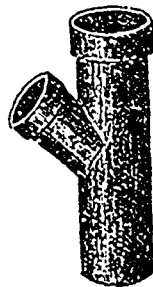
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MUNICIPAL DEPARTMENT

ONTARIO MUNICIPAL ASSOCIATION.

The third annual meeting of the Ontario Municipal Association opened in the county buildings in the city of St. Catharines on September 11th. The president, Mr. M. Y. Keating, of St. Catharines, read an address; following which Mayor McIntyre made a short speech welcoming the visitors. Mr. E. J. Reynolds, town solicitor, Brockville, responded on behalf of the association, after which the standing committees were appointed. Ald. Chas. A. Wilson, of St. Catharines, then moved, seconded by Ald. W. P. Hubbard, of Toronto, a resolution expressing the sorrow and sympathy of the convention in connection with the recent attempted assassination of the president of the United States. The resolution was passed unanimously and a copy was ordered to be forwarded to the secretary of state at Washington for transmission to President McKinley.

The committee on topics recommended the reconsideration of several clauses of last year's report. In addition to those clauses three other clauses were added, as follows:—

That the Act relating to the cutting and trimming of shade trees be amended to allow municipalities under 100,000 inhabitants the privilege of cutting down and trimming the trees on the streets without it being necessary to pass a by-law, and recompense individuals for the loss of the trees.

"That private schools not denominational, and whether incorporated or not, should be liable to assessment.

"That the Municipal Act be amended to make the time for receiving nominations for municipal elections be one hour, between 10 and 11 a.m., on nomination day."

This amendment was thought necessary, owing to the recent claim that the hour referred to in the present Act ran on indefinitely from the nomination of each candidate.

The resolutions adopted at the recent Dominion convention in Toronto were taken up, and after some discussion on some of them, they were all adopted. A resolution was passed protesting against exemption from municipal taxes under

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private bill, but such exemption should be embodied in the general tax.

The election of officers resulted as follows:—President, E. J. Reynolds, town solicitor, Brockville; First Vice-President, R. P. Slater, Mayor Niagara Falls; Second Vice-President, J. B. McIntyre, Mayor of St. Catharines; Secretary, S. H. Kent, Assistant City Clerk, Hamilton; Assistant Secretary, John T. Hall, Assessment Commissioner, Hamilton. Executive Committee—Mayor Collins, Dundas (Chairman); C. A. Kingston, City Clerk, London; Thos. Caswell, City Solicitor, Toronto; John Kennedy, Mayor of Guelph; Ald. Hubbard, Toronto; Ald. Champagne, Ottawa.

A NEW STREET PAVING MATERIAL.

Mr. George Livingstone, of Westminster, England, is an advocate of a new street pavement known as the sanitary block. The blocks are composed of bitumen from Lake Trinidad, mixed with pulverised stone in certain proportions. The bitumen is refined by steam and is mixed with the necessary flux to produce the asphaltic cement; it is then thoroughly and mechanically mixed with the crushed stone at a temperature of 300 deg. Fahr. The material is then formed into a homogeneous block, each block being subjected to a pressure of 125 tons.

Mr. Livingstone says: Hitherto municipal authorities have had practically to choose between two kinds of pavement,

wood and asphalt, both excellent pavements, each having special advantages under certain conditions. Asphalt, for example, is sanitary and durable, but its use on main thoroughfares is objected to by many local authorities and their engineers, because it is unquestionably dangerously slippery under certain conditions of weather. Wood paving has many advantages, and its introduction into this country has undoubtedly been a great boon to the community, more particularly to Londoners, which those who can remember Piccadilly and other leading thoroughfares in the metropolis in the old days of stone paving which it supplanted, will readily admit. Wood pavement has the advantage of being comparatively noiseless, fairly durable and economical, and affords, when in good condition, safe foothold to horses; is easily cleaned and repaired, but it is not non-absorbent, however treated, and it is subject more or less to expansion and contraction. It is, consequently, not the most sanitary. While, therefore, I do not wish to say one word in disparagement of either wood or asphalt, two of the best pavements hitherto in use, though the selection of the material to be used for the former is a matter of some importance, I claim for the sanitary block that it possesses all the advantages both of wood and asphalt, with none of the disadvantages of either; and I have every confidence that it will, on its merits, win its way in time to public favour.

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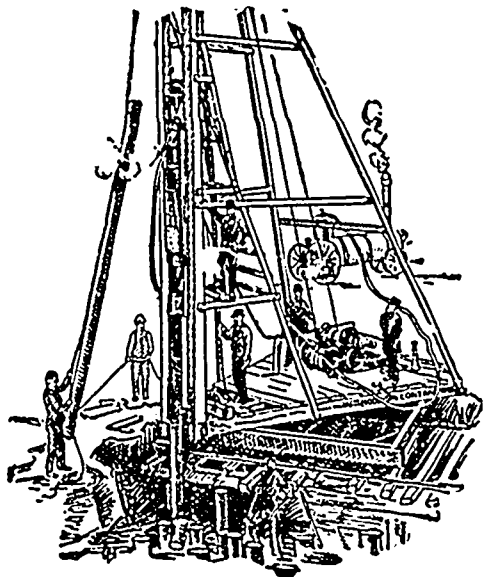


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Table listing various brick types (Nos. 1, 2, 3, Buff, Brown, Roman Red, Sewer Bricks) and their prices.

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Table listing brick and terra cotta products (Red No., Buff No., Brown, Roman Red, Sewer Bricks, Moulded and Ornamental) and their prices.

BEAMSVILLE BRICK AND TERRA COTTA CO.

Table listing Beamsville brick products (Red Peerless Facing, Buff No., Brown Peerless Facing) and their prices.

Large index table listing various construction services and materials including Architects, Contractors' Plant and Machinery, Lime, Reflectors, Roofing Materials, Sash Cord, Stained and Decorative Glass, Shingles and Siding, Tiles, School and Church Furniture, Ventilators, Vases, Wall Plaster, Wire Lathing, Window Cord, Granite, Gas and Electric Fixtures, Heating, Interior Decoration, Landscape Architecture, Slates, Bricks, Builders' Supplies, Builders' Hardware, and Engravers.

Table for Beamsville, Montreal, listing Peerless, Moulded and Ornamental Brick, Roman Red, Buff, Vitrified Paving Brick, Sewer, and Roofing Tile with prices.

STONE.

Table listing various stone products (Common Rubble, Large flat Rubble, Foundation Blocks, Granite, Amherst Red Sandstone, Masillon, Stanstead granite paving blocks, Granite curbing stone, Olive Sandstone, Brown, Mont red sandstone, Black Parture buff stone, Nova Scotia blue grey) and their prices.

CREDIT VALLEY STONE.

Table listing Credit Valley stone products (Rubble, Brown Courting, Brown Dimension, Grey Courting, Grey Dimension) and their prices.

Table for SLATE, listing Roofing and Terra Cotta Tile with prices for Toronto and Montreal.

CEMENT, LIME, etc.

Table listing various cement and lime products (Portland Cements, Josson Brand Portland, North's Comdor, Alsen's, Karlstadt, English artificial, Belgian natural, Beaver, Ensign, Roman, Parian, Keene Superfine Whites, Keene's Course Whites, Kavel's Belgian, Levie Bros., Fire Bricks, Lime, Plaster, Hair, Plasterers) and their prices.

ARCHITECTURAL VARNISHES.

Table listing architectural varnishes and color products (Exterior weathering body, Exterior rubbing, Ivory Enamel, Yachtline, Architectural Coach, Granite floor finish, Architectural flattening) and their prices.