

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.

Vol. 12

SEPTEMBER 4, 1901

No 31

THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY WEDNESDAY

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WANTED

TWO GOOD DRAUGHTSMEN WANTED.
Apply DARLING & PEARSON, Toronto.

TENDERS

Will be received up to September 10th, 1901, for the erection of a New Public School at Vankleek Hill, Ont. Tenders to be sealed and addressed to A. J. Cross, Esq., Vankleek Hill, Ont. Building to be completed by August 15th, 1902. Plans, etc., are on view at Vankleek Hill, Ont., and at office of MacVicar & Heriot, Architects, Canada Life Building, Montreal. Lowest or any tender not necessarily accepted.

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 185 ft. 10 in. in length from centre to centre of end pins. For detail information relating to plans and specifications apply to A. E. Wetton, 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. LABILLETS,
Chief Commissioner.

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

COUNTY OF LANARK

TENDERS WANTED

Tenders will be received by the undersigned up to 4 p.m. on

Thursday, September 12, 1901,

for the erection and completion of a Stone (or brick)

House of Industry

(near Perth) Lanark County, including "Hot Water" system of heating.

Plans and specifications can be seen at the County Clerk's office, Perth, or Mr. W. Pattie's office, Carleton Place, on and after MONDAY, SEPTEMBER 2nd, bona-fide security, for the fulfilment of the contract, to be furnished by the contractors.

The lowest or any tender not necessarily accepted.

(Signed) W. PATTIE,
Chairman Building Committee,
Carleton Place.

MIDLAND

WATER WORKS

NOTICE TO CONTRACTORS

Sealed tenders, endorsed "Tender for Water Works," will be received by the Chairman of the Water Works Committee, Midland, until 6 p.m. on

Saturday, 7th day of September, 1901

for furnishing all materials for, and constructing
(a) Pump House and Chimney
(b) Conduit 1600 feet long and 18 inches in diameter.

A deposit of \$500 will be required with each tender. Plans and specifications may be seen, and forms of tender obtained at the office of the Chief Engineer, Midland or Toronto, on and after August 29th, 1901.

D. L. WHITE, Esq., WILLIS CHIPMAN,
Chairman W. W. Com., Chief Engineer,
Midland, Ont. 103 Bay St., Toronto.

August 23, 1901.

DATE OF PUBLICATION.

Architects, engineers, municipal authorities and others are reminded that the CONTRACT RECORD is printed every Tuesday afternoon, and that advertisements should reach the office of publication not later than 2 o'clock p.m. on that day to ensure insertion in the issue of the current week. Advertisements are frequently received too late for insertion, to avoid which special attention is directed to this announcement.

CONTRACTS OPEN.

NIPISSING, ONT.—A new public school will be built here.

VICTORIA MINES, ONT.—A new R.C. church will be erected here.

ELORA, ONT.—Tenders close 9 h inst. for purchase of \$5,000 debentures.

ATHENS, ONT.—J. H. McLaughlin has purchased a building lot on Main street.

KINGSTON, ONT.—Power & Sons, architects, have just taken tenders for erection of church at Arden.

CHILLIWACK, B.C.—Steps are about to be taken by the council to install fire fighting apparatus.

MAGNETAWAN, ONT.—A by law to assist Lewis F. Parly to build a grist mill here was carried last week.

MELFORT, N.W.T.—Walter Starkey requests tenders by 18 h inst. for erection of frame school house.

PORT COLBORNE, ONT.—The by law to raise \$15,000 for concrete sidewalks was carried here last week.

PARRY SOUND, ONT.—The council propose to construct a sewer on James and Bay street, to cost \$4,000.

KAMLOOPS, B.C.—The Young Men's Institute intend erecting a block, corner Victoria street and Third avenue.

BROCKVILLE, ONT.—B Dillion, architect, is this week taking tenders for erection of Methodist church at Fairfield.

SWAN LAKE, MAN.—Offers are invited by Thomas A. Griffith up to the 20th inst. for purchase of \$2,000 debentures.

YARMOUTH, N.S.—It is probable that steps will be taken to improve the water works system at considerable expense.

WATERVILLE, QUE.—Tenders are being taken this week for erection of parsonage. Particulars from Rev. R. C. Tamba.

BRANTFORD, ONT.—A by-law has been adopted in council to raise \$8,000 by debentures for purchase of park property.

STREETSVILLE, ONT.—Mr. Brodie is asking the town for a bonus of \$6,000 to establish a woolen manufacturing business.

PARRSBORO, N.S.—The ratepayers will likely vote on a by-law to establish a school of manual training and domestic science.

PEMBROKE, ONT.—Tenders for foundation for new steam pump at water works are invited by W. L. Hunter up to the 5th inst.

BERLIN, ONT.—It is proposed to improve the market accommodation, at a cost of about \$3,500.—Voting on the by-law for the town to subscribe \$25,000 in stock to the Berlin & Preston Railway takes place on the 16th inst.

IROQUOIS, ONT.—A by-law to raise \$12,000 for construction of electric light system will be submitted to public vote on October 1st.

MITCHELL'S BAY, ONT.—Tenders are being taken this week by Peter Crawford for building a bridge across the Hyatt outlet drain.

VICTORIA, B.C.—The new church to be built for the First Congregational church will be commenced shortly and will be of stone.

HUMBERSTONE, ONT.—Tenders for building a concrete arch bridge over the Roth drain will be received by E. W. Fares up to 7th inst.

SYDNEY, N.S.—The Cape Breton Railway Company have completed the final location of their road from Point Tupper to St. Peters.

COLLINGWOOD, ONT.—The town council has decided to ask for tenders for two steam boilers and one dynamo for the electric light plant.

SOUTHAMPTON, ONT.—S. M. Knechtel has decided to build a two storey brick factory, 65 x 80 feet, for the manufacture of chairs.

MAGOG, QUE.—A by-law to raise \$40,000 for waterworks purposes and the building of a town hall and fire hall was defeated here last week.

STRATFORD, ONT.—The inspector of the Fire Underwriters' Association has advised alterations and improvements to the fire protection appliances.

PORT HAWKESBURY, N.S.—Bids are invited by Charles Reeves, town clerk, up to September 25th, for purchase of \$7,000 4 per cent. debentures.

GUELPH, ONT.—Plans will be asked for immediately for a new factory for the Canada Brass & Electrical Co., of which A. M. Brodie is provisional director.

ASHCROFT, B.C.—A site has been selected by the provincial government for a new bridge across the Fraser river at Chimney Creek, to cost \$20,000.

LACHINE, QUE.—A by-law may be submitted to the ratepayers to authorize a loan of \$37,000 to drain Dominion Park and to complete the system of sewers.

ST. JOHNS, QUE.—A by-law will be voted on by the ratepayers to borrow \$40,000 for new town hall and fire station appliances, and to provide for floating debris.

SANDWICH, ONT.—The town council has decided to exempt the power house of the South Essex Electric Railway Co. from taxation provided it is erected in this town.

WATERLOO, ONT.—The Canada Woollen Mills Co. are taking tenders for a new three storey brick building 35x60 feet. An engine will be installed and the building used as a shoddy mill.

SARNIA, ONT.—Tenders are asked by J. G. Morrison, chairman Board of Works, up to the 10th inst., for construction of tunnel bridge over the mouth of the cut-off drain on the river road.

SYDNEY MINES, N.S.—The Nova Scotia Steel & Coal Co. are about to build a large dry goods and general store.—It is probable that new tenders will be invited for building of new academy.

ST. CATHARINES, ONT.—S. G. Dolson, architect, has prepared plans for improvements to cemetery residence to cost \$900.—It has been decided to invite new tenders for the Queenston street bridge.

QUEBEC, QUE.—A company is being organized having for its object the carrying out of extensive improvements along the river front. Hon. John Sharples and S. N. Parent are among the promoters. It is proposed to build

a branch railroad from the Cape Rouge end of the new bridge down to Bridge-water Cove, thence to the Champlain market hall, also to build wharves and other works to facilitate shipping. The company will have a capital of \$1,500,000.

JOLIETTE, QUE.—Tenders close at noon to-day (Wednesday) for construction of a sewer plant and a new water intake. Specifications at office of the town clerk or J. O. A. Laforest, C.E., 99 St. James street, Montreal.

NEW WESTMINSTER, B.C.—In addition to the bridge to be built across the Fraser river here, it is reported that a second bridge will be built by the government further north, for the benefit of the Cariboo district.

CARLETON PLACE, ONT.—Tenders are asked by William Pattie up to Thursday, 12th inst., for erection of stone or brick county house of industry, including hot water heating system, the building to be erected near Perth.

HALIFAX, N.S.—Herbert E. Gates, architect, has prepared plans for a house on South street for Miss Ada Ryan, and one on William street for H. R. Cameron, and additions to the business premises of A. P. Torrens and Jas. Simmonds & Co.

HUNTSVILLE, ONT.—The council are taking steps to secure the erection of a new swing bridge, for which a grant of \$7,500 has been made by the Ontario Legislature.—William Proudfoot is this week taking tenders for addition to power house.

PETERBORO, ONT.—The Canadian Cordage & Mfg. Co. are calling for tenders for erection of manufacturing buildings, including store houses, boiler room and office building. Plans at office of W. Blackwell, architect, and tenders to be addressed to Adam Hall, president of the company.

EDMONTON, N.W.T.—Willis Chipman, C.E., of Toronto, has submitted plans for a water works system, calling for 20,000 feet of piping and between 40 and 50 hydrants. The pipe and pipe-laying is estimated to cost \$55,000, the pumping station, engine house and filtering tank, \$25,000. The work is likely to be proceeded with immediately.

WINNIPEG, MAN.—Tenders are about to be invited for the following work: Sewers on Maryland street, cost \$3,500; on Sargent avenue, cost \$1,940; on Rachael street, cost \$1,935; asphalt pavements on Balmoral street, cost \$21,350; on Pacific avenue, cost \$6,845; on Princess street, cost \$4,650, and on Colony street, cost \$11,957; cedar block pavements on Logan avenue, cost \$6,040; on Princess street, cost \$13,745; and on lane between Elgin and Ross avenue, cost \$950.

ST. JOHN, N.B.—The C.P.R. will enlarge their cattle sheds at the deep water terminus so as to accommodate 1,000 animals.—The Federal Government has completed the purchase of 38 acres of land for proposed engine house, sidings and other accommodation.—Tenders for plumbing and heating new court house at Bathurst are being taken this week.

Plans at office of R. C. John Dunn, architect, this city.—It has been decided to erect a modern school building at corner of Orange and Carmarthen streets.

VANCOUVER, B.C.—It is the intention of the British Columbia Electric Railway Co. to double the capacity of their power house in this city and put in a complete lighting plant. Horne Payne is managing director of the company.

LONDON, ONT.—Building permits have been issued as follows: Robert Black, one and one-half storey brick residence on Queen's avenue, between English and Ontario streets; Richard Hall, alterations to residence on Worthley road; R. A. Y. Stinchcombe, a brick cottage on Wharncliffe road.

MONTREAL, QUE.—Contractors are invited to submit tenders by September 9th for demolition of St. Ann's fish market and its reconstruction at the corner of Berri and Commissioner streets.—It is said that the Jesuit Fathers who control the Loyola College intend transferring it to Montreal West and erecting there a new building.

HAMILTON, ONT.—A permit has been granted to Stewart McPhie for a brick dwelling on Stimson street, between Victoria and West avenue, for T. W. Lloyd, to cost \$1,300.—F. J. Rastrick & Son, architects, have in hand the erection of a church on North Park street for the Christian Workers, to cost \$2,800.

TORONTO, ONT.—Tenders are invited by the city up to September 9th for cedar blocks, macadam and asphalt pavements, brick and concrete sidewalks, also for the construction of tile pipe sewer on Edith avenue.—The chief architect of the Public Works Department, Ottawa, last week made an inspection of the customs house in this city, and it is thought that an addition will be built to the building at an early date.—Building permits have been granted as follows: E. R. Woods, residence in Queen's Park, near Bloor street, cost \$19,000; Thomas Wright, dwelling on Roxborough avenue, cost \$2,800; Mrs. Susie Pringle dwellings at 142 and 144 St. Helen's avenue, cost \$4,000; John E. Hoare, two-storey and attic brick residence, Howland avenue, cost \$3,000; Park Blackwell & Co., four storey brick addition to factory, corner Bathurst street and Old Fort road, cost \$30,000.—The Separate School Board have decided to enlarge the school on the east side of Sackville street near King street, at a cost of \$5,200.—It is understood that the Daughters of the Empire have decided to erect a permanent arch on Bloor street, at the entrance to Queen's Park, in commemoration of the visit of the Duke of York to Toronto. It will likely be constructed of stone pillars and wrought iron.—Tenders have just been taken for erection of brick church at Bracondale. Particulars at E. Hood's grocery store, corner of Vaughan road and St. Alban's avenue.—Tenders for erection of a flag pole in front of the city hall are requested by the Board of Control by noon of 9th inst.

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TORONTO MONTREAL ST. JOHN HALIFAX

BURLINGTON, ONT.—It is said that American capitalists will build a summer hotel here.

DALHOUSIE, N. B.—Tenders are requested by 9th inst. for building Presbyterian church, to be completed by September, 1902. Particulars from T. G. Scott.

CORNWALL, ONT.—George S. Jarvis, town clerk, is calling for tenders up to Wednesday, 11th inst., for construction of tile sewers on Lennox street, Arthur street and Fourth street.—The council have decided to construct the proposed granolithic walks on Marlboro and Water streets by day labor.

OTTAWA, ONT.—The Ottawa Improvement Commission opened tenders last week for new storage building at Neville's Creek, but has not yet awarded the contract.—Tenders are asked by the Department of Railways & Canals up to 4 p.m. to-day (Wednesday) for supply of 3,600 barrels of Portland cement.—The Roman Catholics of Ottawa East have definitely decided to erect a new church. Particulars from Rev. Father Charlevoix. A Montreal syndicate, represented by Hanson Bros., has secured control of the Pontiac & Pacific Junction and the Hull & Aylmer Electric railways and the inter-provincial bridge. It is proposed to extend the lines northwards.—Building permits have been granted as follows: S. J. Davis, lot 46 and 45 Jane street, double brick veneered dwelling, \$2,400; Ottawa Electric Company, new power house, iron frame, brick walls and cement floor, Head street, cost \$20,000; Mrs. Clarke, 49 Gloucester street, solid brick dwelling, cost \$5,000; A. E. Shaver, 8 Patterson avenue, brick veneered dwelling, cost \$1,000; Andrew Ker, 30 Anderson street, frame dwelling, cost \$1,000; S. J. Davis, lots 39.—41 Jane street, three brick veneered houses, cost \$6,600; P. W. Joyce, 93 Division street, brick shop and dwelling, cost \$7,200; T. F. Hawkins, 4 Gartier street, brick veneered dwelling, cost \$1,050; Alf. W. Fraser, 1 Hasington Place, two brick veneered dwellings, cost \$4,400.

FIRES.

Residence of Mr. Gosselin at Montmorency, Que.; loss, \$2,000.—Woodworking factory of L. A. Barnhill at Lower Onslow, N.S.; loss, \$4,000, no insurance.—Store of James Price at Bishop's Mills, Ont.—Saw mill of John Greenlees at Red Bay, near Wiarton, Ont.; loss partly covered by insurance.—Saw mill of Avery & Thompson at Sharbot Lake, Ont.; loss, \$4,000; insured.—Building of the Paris Casket Company at Paris, Ont., damaged to the extent of \$1,500.—Summer hotel at Caledonia Springs, Ont., owned by K. Arnoldi.

CONTRACTS AWARDED.

NIAGARA, FALLS, ONT.—Contracts for improvements to post-office have been let as follows: Carpenter work,

Andrew Carnochan; plumbing, Cole & McMurray; painting, John Worthington.

WALKERTON, ONT.—Hunter Bros. have been awarded the contract for the new Crispin bridge; price \$4,100. Concrete abutments will be used.

TORONTO, ONT.—The Mackey Stained Glass Co., of this city, have secured the contract for stained glass windows in St. James' English church, Omeme.

QUEBEC, QUE.—For supply of cast iron pipe tenders were received by the council as follows: Montreal Pipe Foundry Company, \$56 per ton (accepted); Francis Gunn, \$57.50 per ton. Quantity required, 600 tons.

BROCKVILLE, ONT.—The James Smart Mfg. Co., of this city, have secured the contract for warming and ventilating high school at Arthur, Ont., with one No. 30 Kelsey warm air generator.

GRAND FORKS, B. C.—Charles Ferguson & Co., of Spokane, have been awarded the contract for construction of entire line of the Republic & Grand Forks Railway, with the exception of about four miles.

HALIFAX, N.S.—The Nova Scotia Government has signed a contract with Mackenzie & Mann for the construction of a line of railway from Halifax to Barrington, with a branch from New Germany to Caledonia Corners, a distance of about 200 miles.

BROMPTON FALLS, QUE.—S. R. Bearce and J. D. Clifford, of Lewiston, Maine, are the successful tenderers for building pulp and paper mill and necessary excavation for the Brompton Pulp

& Paper Company. The price is said to be between \$190,000 and \$300,000.

ST. THOMAS, ONT.—N. R. Darach, architect, has awarded the following contracts:—Brick residence for L. A. Popham—masonry, Ponsford Bros. carpentry, W. Reath; painting, George Jewell. Brick residence for C. Sinclair—masonry, G. A. Ponsford; carpentry, Henry Lindop; painting, George Jewell.

HINTONBURG, ONT.—The contract for building fire hall has been let to Villeneuve Bros., of Hintonburg, \$2,025. Other tenderers: Taylor Lackey, Ottawa, \$2,790; H. H. Cowan, Ottawa, \$2,322.50; Wm. Alexander, Ottawa, \$2,375; W. P. Ryan, Ottawa, \$2,258; Dumaine & Dufour, Ottawa, \$2,250; Archie Campbell, Hintonburg, \$2,080.

KINGSTON, ONT.—The building committee of Queen's University has awarded contracts as follows for erection of two new buildings for the science department:—Masonry, W. McCartney; plumbing, slating and tinsmithing, M. Kelsey & Birch; painting and glazing, T. McMahon & Co. The carpenter's contract was not awarded. The lowest tenderer is Joseph Hooper.

WINNIPEG, MAN.—The tender Dobson & Jackson has been accepted for construction of sewer on Neil street, at \$2,000.—The contract for supply of 50 tons of asphalt has been given to the Columbia Construction Company at \$30.55 per ton.—A. Guthrie & Co., railroad contractors of this city, have received the contract for building the Crow's Nest Southern Railway from Ferme, B.C., to the international boundary.

ST. LOUIS, QUE.—The council open

Good Roads Machinery Co. (Limited.)

JOHN CHALLEN, Manager, HAMILTON, ONT.

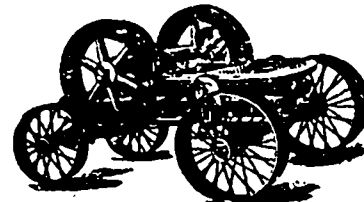
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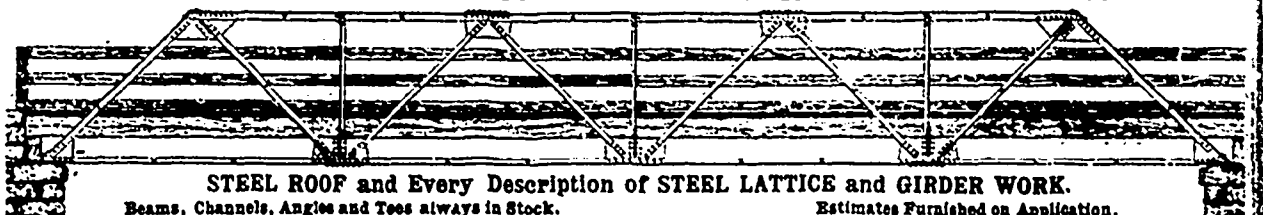


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Beams, Channels, Angles and Tees always in Stock.

Estimates Furnished on Application.

ders last week for pipes, pipe-laid making connections, as follows: J. Chevalier and C. A. Charpen- 53,853. Bastien & Valiquette, \$33,400; Renault & Robin, \$34,780; Mon- Water and Power Company, for pipe-laying and making connec- but not including excavations, 2. The tender of Basien & Vali- was accepted.

ROPOSED BRIDGE IN NEW SOUTH WALES.

government' of New South Wales designs and tenders up to February 902, for the construction of a bridge ydney Harbor, embracing a main of not less than 1,200 feet in the with sufficient approach span to up a total length of 3,000 feet. ccessful tenderer will be required to security to the amount of £10,000. of specifications, lithographs, and forms may be obtained at office of icky Sanderson, British Consul for ork, 17 State street, New York.

LAND TRANSFERS.

following is a list of important land rs in the city of Toronto for the nding August 29th: ry S. and Mary P. Mara to Samuel nce, 22x131 ft., south side of With- enue, being part of lot 5, plan 578; d for \$110; sale price, \$76. ley W. and Maggie F. Hollway to s Bulley and William J. C. McCrea,

ALWAYS IN STOCK

LEAD, PIG TIN AND SOLDER

ose Smelting Works, Montreal, P. Q.

30x130, north side of Withrow avenue, be- ing lot 31, plan 578; assessed for \$300; sale price, \$720.

Elizabeth Wood to Bessie Riddell, 30x 126 ft., west side Margueretta street, be- ing lot 33 and part 34, plan 572; assessed at \$210; sale price, \$300.

Michael Shanly and wife to Ludley H. Boweiman, 20x98, north side Follis avenue, being lot 27, plan 904; assessed at \$200; sale price, \$122.

Wm. Davies to trustees of Olivet Bap- tist church, 105x152, west side of Mar- gueretta street, being lots 1, 2, and 3, plan 108; assessed at \$1,050; in consid- eration of \$1.

Geo. T. Graham to Geo. H. Walker, 30x137, west side of Delaware avenue, be- ing lot 46, plan 329, block T; assessed for \$240; sale price, \$600.

Robert A. Barton to Lucinda Graham, 48x135, west side of Westmoreland avenue, being lot 12, block L., plan 622; assessed at \$340; in exchange for other land.

The Farmers' Loan & Savings Com- pany to Catharine Tacksbury, 40x123, north side Crescent road, being part of lot 56, plan 104; assessed at \$1,000; sale price, \$1,200.

John B. Dain to Bessie Thompson, 50x 120, north side of McPherson avenue, be- ing lot 54, plan 309; assessed at \$1,000, sale price, \$800.

Wm. M. Clark and James C. Hamilton, executors to Charles C. Norris, 35x150, north side Crescent road, being part lot 57, plan 104; assessed at \$875, sale price, \$1,400.

J. J. Walsh to Catherine Walsh, 48.5x 200, east side Tyndall avenue, being

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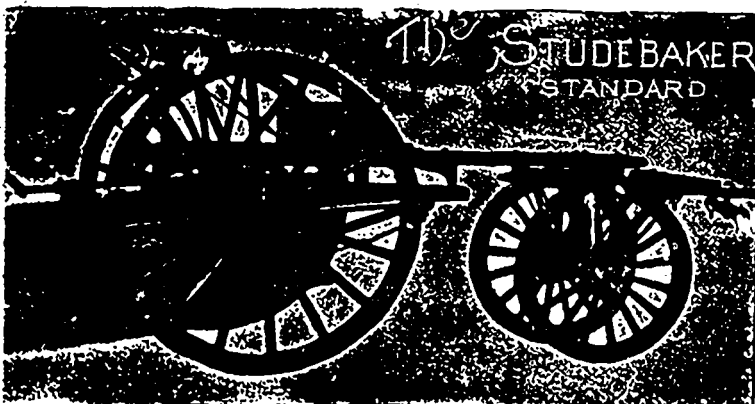
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Studebaker Sprinkler
PATENT IMPROVED.)
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Can be graded from driver's seat to any volume.
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IMPROVED VERTICAL SPRAY . . . for Pavements

Geo. Heaman, Mnfr., London, Ont.

northerly 22.8 of lot 37 and southerly 25.9 lot 33, plan 431; assessed at \$1,355; in consideration of \$1.

Canada Permanent & Western Canada Mortgage Corporation to George T. Graham, 90x137, west side Delaware avenue, being lots 44, 45, and 46 block T, plan 329; assessed at \$720; sale price, \$900.

Robert W. Leeming to York County Loan & Savings Co., 132x120, west side Sunnyside avenue, being lots 14, 15 and 16, block D, plan 928; assessed at \$264; sale, \$3,300.

Wm. W. Hodgson to York County Loan & Savings Co., 88.6x128, east side Roncesvalles avenue, and 150x132, south side Garden avenue, being lots 3-28, west half 24-25-26, east half 27, plan 713; assessed at \$2,085; sale price, \$3,712.

CLEANING HARDWOOD FLOORS.

Floors that have been finished in shellac should be kept clean by thoroughly brushing off the dust with a soft hair or feather brush, or by wiping with a cloth of soft texture. If the cloth is slightly moist the dust will adhere to it more readily, but wipe with a dry cloth afterwards. If any dirt that will not wipe off with a moist cloth should be deposited on the floor wash it off thoroughly with clean (not hot) water, using soap if necessary, which also cleanse off with water as quickly as possible and wipe dry.

When the face of the floor begins to look worn and shabby, after cleansing off the dirt and wiping dry, if water can be used, rub the surface all over nicely with a mixture two-thirds turpentine and one-third raw linseed oil. To do this saturate

a soft cloth of any kind with the mixture, wring it out half dry, and rub the floor with it evenly. Do not use the oil so freely as to leave it standing on the surface to catch dust. To prevent this wipe off with a clean, dry cloth. After the shellac is worn down to the surface of the wood, sandpaper it all over evenly with No. 1 sandpaper, and give it another coat of shell, after which continue to keep as before.

Floors finished in plain oil only should be kept in the same manner as above, more soap and water being required, and more frequent rubbing with the mixture of turpentine and linseed oil spoken of above.

Waxed floors can be cleansed by washing off thoroughly with turpentine and benzine, after which they can be rewaxed if desired.

Floors finished in "hard oil" should be kept like floors finished with shellac.

A maple floor for a kitchen that has not been finished in wax or oil is best taken care of by being scrubbed or rubbed with

any of the scouring preparations now in the market for that purpose.

THE PAINTING OF DOORS.

Although the doors are usually the last parts about a house that are finished, they are the first primed. For the treatment of a new door to be finished in paint some prefer a flat priming of amber and white lead, half and half, mixed with raw oil. Use oil enough to bind it secure and no more. This proportion thoroughly fills and works well with sandpaper, giving a fine surface for subsequent coats of paint. Putty nail holes and fill all cavities with a hard putty that dries tolerably quickly. A great deal of trouble caused by putty falling out and getting loose, says the National Builder, is traceable to filling the holes only putty-bridging from side to side, leaving a cavity under the putty. The putty is likely to be pressed further into the holes when sanding, leaving a hollow which is some-



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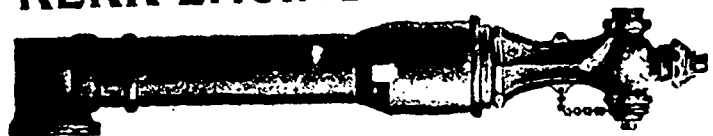
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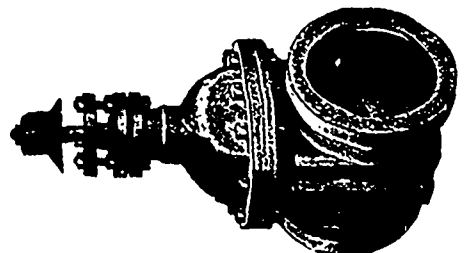


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WALKERVILLE, - ONTARIO

times not noticed until after the work is varnished. Press the holes so full that when the finger or putty knife is passed over them the putty will budge up. If the putty is good there will be no further trouble.

After doors have been exposed they generally draw apart at the joinings. Seasoning appears to make little, if any, difference. If these places are filled with putty it is only a matter of time until they become loose again, portions of the putty dropping out, what remains getting loose, and the door looks worse than if it had not been puttied at all. The best thing to do then is to refit.

The painter finds doors in all kinds of conditions, and if he is expected to do a good job on any particular part it is on the front door. Sometimes he finds them so covered with successive coats of paint from time to time as to resemble an alligator's hide. The only way to make a job of such a door is to burn off. Painters have said that they have successfully plastered over doors of this kind and made a permanent job; but this is doubtful. Don't attempt to sand it down level, as it will take longer than to burn off and repaint. Usually such a door is in good shape to repaint after burning off. It has generally been kept well painted or it would not have the alligator-hide appearance. The reason there are so many doors in the country like this is that people buy a can of paint to do a small job. Some of it is left; they do not want to throw it away. If it is near the right color, and there is enough of it, they tackle the door thinking they can paint out all discrepancies, with the result that they make them only more pronounced when the paint becomes dry.

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**The Acetylene Gas
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LONDON - - ONT

In cases of old hardwood doors, in which glue and nails were used to hold the mouldings in place, which have been kept well painted and are in fair condition, they may be finished by burning off and using a flat fillet. In some instances they are in very bad condition—moulding loose and weather checked in every portion. Do not attempt to get the mouldings back in place, because it cannot be done. Being in use for years, dirt has got behind them, which prevents them getting in place. The only way is to take off the mouldings and clean off the dirt behind them. If warped, soak in hot water, when they may be sprung back into position. If weather-beaten so much that they are scaly with rotten wood, scrape of what you can and partly smooth with coarse sand-paper; then take one of the plaster of paris products now sold for decorative purposes, mix it to a paste and with a trowel plaster the cracks full. Then sand level.

Concerning the finishing of outside doors with varnish, it is a principle in painting that no varnish which is much exposed, no matter how well suited for the purpose, does well over straight oil coats of paint. Varnish to do its best must be over flat coats, well rubbed and perfectly dry.

THE TESTING OF WIRE ROPES.

The rules in force in Germany for ascertaining the strength of wire ropes are interesting and have been described by Mr. Frank Probert in the transactions of the American Institute.

One yard of the rope—that immediately above the splice of the safety clutch—is taken for the test. It is unlaid and carefully cleaned from grease; the cable and strand-cores are set aside and not included in the test. Each strand is separately treated and each wire in a strand is numbered. Two feet of each is strained to breaking and its breaking weight noted.

The mean breaking weight of wires in each strand is diminished by one-fifth, and any which fell below this in ultimate strength is excluded from the calculation.

A demand of assignment is reported to have been made upon Julian Legault, contractor, St. Henri, Que.

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Correspondence invited.

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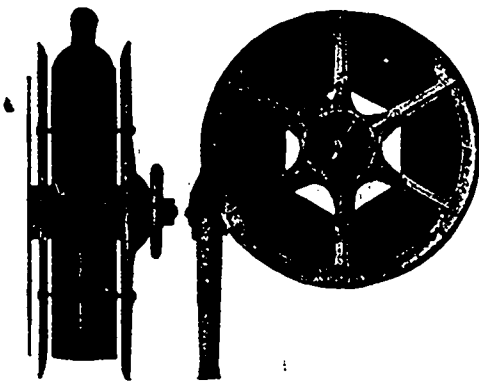
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MUNICIPAL DEPARTMENT

GOODS ROADS CONGRESS.

An international good roads congress will be held in Buffalo, N.Y., September 16 to 17. The deliberations of the congress will have a very wide scope, including every phase of the good roads question, from road machinery to the best completed roads. Road machinery will be exhibited and the working of the different machines will be practically demonstrated. All persons and officials interested in good roads, are invited to attend. The United States department of agriculture is co-operating to make the congress a success. This will be the first international congress ever held, and undoubtedly much of interest will transpire to those who attend. It is designed to devote a portion of the time included in dates above named to demonstrate the scientific methods of modern road construction by building sections of the various classes of roads including earth, oil, gravel, stone, tar-macadam, vitrified brick. Municipal authorities should take cognizance of this congress, and where possible municipal engineers and others should be delegated to attend.

OFFICERS OF MUNICIPAL ASSOCIATION.

The Union of Canadian Municipalities, at the first convention held in Toronto last week, elected the following officers:

President, Mayor Howland, Toronto.
 First Vice-President for Ontario—Mayor Morris, Ottawa.
 Second Vice-President for Ontario—Mayor Read, Owen Sound.
 First Vice-President for Quebec—Mayor Lighthall, Westmount, Que.
 Second Vice-President for Quebec—Councillor Knowles, Westmount, Que.
 First Vice-President for Nova Scotia—Mayor Hamilton, Halifax. The second vice-president to be chosen by the Executive.
 First Vice-President for New Brunswick—Ald. MacRae, St. John. The second vice-president to be chosen by the Executive.
 First Vice-president for Manitoba—Mayor Arbutnot, of Winnipeg, Man.

DEBENTURES

Municipalities contemplating the issue of Debentures will find it to their advantage to communicate with

G. A. STIMSON & CO.

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The second vice-president to be chosen by the Executive.

The union passed a resolution declaring that the scope of municipal administration and legislation is so large and important that in the public interest municipal issues should be kept solely in view by the electorate at municipal elections, free from other questions of associations, and the members of this convention declare their intention of exerting their influence to this end, and in their several localities.

GLASS PAVEMENT.

The inventor of the glass pavement, which is winning its way in France, is a M. Garcher, who manufactures his product from finely-crushed glass, which is subject to great heat and heavy pressure. The result is a substance which is said to be less affected by wear than the best and hardest granite, and to support a pressure of over 10,000 pounds to the square inch. To break a slab of the material a weight of nearly five tons falling from the height of three feet was necessary. This glass pavement is being laid down at the expense of its inventor in several test places where the traffic is exceptionally heavy. If at the end of five years, the pavement has worn well, the municipality has undertaken to adopt it on a large scale; if not, M. Garcher, who evidently has confidence in his material, is under contract to replace

the old pavement at his own cost. Fortunately the new pavement is said to be noisy.

MUNICIPAL IMPROVEMENT IN WINNIPEG.

The following statement has been compiled by the city engineer showing extent of improvements in the city of Winnipeg. The figures given under year 1895 show the total then in existence those under 1900 show the total at the end of 1900, and those under 1901 show work authorized or petitioned up to July 25, 1901, during the year.

	1895	1900	1901
	Miles.	Miles.	Miles.
Wood block pavement.....	10.64	13.23	4.25
Macadam.....	0.63	23.31	3.00
Asphalt roads.....	nil	3.00	3.25
Sewers.....	38.72	51.85	5.00
Plank walks.....	146.25	168.00	nil
Granolithic walk.....	2.28	3.91	2.25
Water pipes.....	23.00	59.75	5.00

Up to 1895 seventeen fire hydrants been erected, and in 1900 the total was reached, while up-to-date there are 329 hydrants within the city limits.

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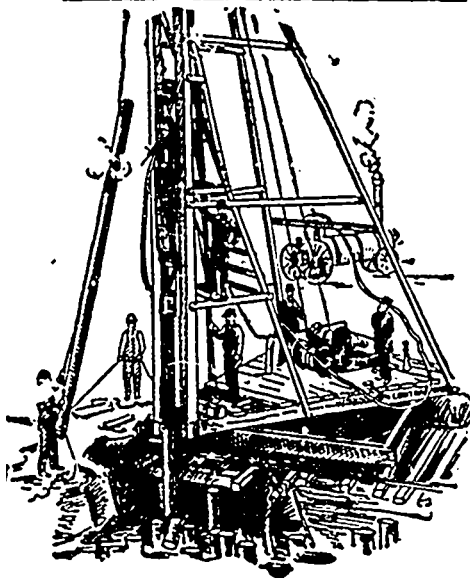
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INDEX TO ADVERTISEMENTS

Index to Advertisements listing various contractors, architects, and suppliers such as Ontario Directory, Quebec Directory, and various engineering firms.

Municipal Officers are asked to mention THE CONTRACT RECORD when writing to advertisers.

Prices of Building Materials.

Table listing prices for pressed brick, mortar, and other building materials from Milton Pressed Brick and Terra Cotta Works.

Table listing prices for beams, rubble, granite, and other materials from Beamsville, Montreal, and Credit Valley Stone.

Table listing prices for cement, lime, and various types of bricks and tiles from Toronto and Montreal.