

# CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

EVERY

PUBLIC WORKS • TENDERS •  
ADVANCE INFORMATION •  
AND MUNICIPAL PROGRESS

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. 13.

NOVEMBER 26, 1902

No. 41

## THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY WEDNESDAY

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Branch Offices:

Imperial Building, Montreal,  
22 Great St. Helen's, London, E. C.  
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Advertising Rates on application.

## Notice to Contractors.

Sealed tenders will be received by the undersigned for the erection of a

### HOUSE OF REFUGE

for the County of Grey, to be erected in the vicinity of the Village of Markdale, according to plans and specifications which may be seen at the office of the Town Clerk, in the Town Hall, Owen Sound. Tenders must reach the undersigned not later than 12 O'CLOCK, NOON, OF TUESDAY, THE 9TH OF DECEMBER, marked "Tender for the House of Refuge." The lowest or any tender not necessarily accepted. Security may be required for the due fulfilment of the contract.

NOTE.—Steam Heating.

CHARLES GORDON,  
Chairman of Committee.

Owen Sound, Nov. 20th, 1902.



## Tenders for Annual Supplies

Tenders will be received by registered post only addressed to the Chairman of the Board of Control, Toronto, up to noon on

TUESDAY, DECEMBER 9th, 1902,

for the following supplies for the year ending December 31st, 1903:

Lumber, Pit Gravel, screened and unscreened; Hardwood Lumber, Sand, Sewer Pipe, Brass and Bronze Castings, Brass Work for House Services, Coal and Wood, Lead Pipe, Stop Valves, Special Castings, Iron and Steel, Crushed Stone, Lake Gravel, Paving Brick, Hydrants, General Supplies, Wire Nails, Cedar Paving Posts, Horse Feed, etc., Cast Iron Pipe, Lubricating Oils, Boiler Farger, Rubber Valves, etc., Iron Valve and Stop Cock Boxes.

Contents of envelopes containing tenders must be plainly marked on the outside.

Specifications may be seen and forms of tender obtained at the Office of the City Engineer, Toronto, on and after the 21st November, 1902.

A marked cheque, payable to the order of the City Treasurer, Toronto, for 2½ per cent. of the amount tendered for, must accompany each and every tender, otherwise it will be ruled out as informal.

The lowest or any tender not necessarily accepted.

O. A. HOWLAND (Mayor),  
Chairman Board of Control.

Toronto, Nov. 25th, 1902.

### CONTRACTS OPEN.

BEAVERTON, ONT.—Some of the citizens are agitating for the erection of a town hall.

BUCKINGHAM, QUE.—J. E. Gagnon has decided to rebuild his hotel, at cost of \$5,000.

AMHERST, N.S.—J. R. Douglas intends erecting a stone or brick block on Church street.

CLEARWATER, MAN.—The Dowd Milling Co. purpose erecting a large elevator here.

MARKDALE, ONT.—The House of Refuge for Grey county will likely be located at this place.

CHATHAM, ONT.—Tenders will shortly be invited for new residence for Rev. W. H. G. Colles.

HALIFAX, N. S.—George S. Campbell is about to erect a building on Young avenue, to cost \$5,000.

STRATHCONA, N.W.T.—Canadian Northern Railway officials have selected a site here on which to build a station.

KINGSTON, ONT.—The Kingston Cereal Co. propose remodeling the plant of the Frontenac Milling Co.

LAKEFIELD, ONT.—Tenders close December 1st for purchase of \$404 74 village debentures. Address W. Sherin, clerk.

COLLINGWOOD, ONT.—It is the intention of Thomas Long, jr., to build a fine residence on Pine street next spring.

GUELPH, ONT.—The Dominion Oil Filter & Metal Co., recently incorporated, will erect an expensive plant here.

NORTH TORONTO, ONT.—The corporation proposes to construct a six inch water main on Eglinton avenue, at a cost of \$4,300.

WATERLOO, ONT.—A by-law granting a loan to W. A. Greene, of Berlin, to establish a factory here was carried on the 14th inst.

BARRIE, ONT.—The council will submit a by-law to the ratepayers to raise funds to purchase electric light meters and transformers.

SHERBROOKE, QUE.—The Sherbrooke Street Railway Co. are considering the advisability of extending their system in East Sherbrooke.

WIARTON, ONT.—The council has decided to submit to the ratepayers a by-law to grant a loan to Mr. Freeman to establish a woollen mill here.

SEAFORTH, ONT.—A by-law granting a loan of \$10,000 to John Dick, of Toronto, to operate woollen mills here was carried on Monday last.

BRUSSELS, ONT.—On December 1st the ratepayers will vote on a by-law a loan \$5,000 to Rockridge Bros. to in-

stall new machinery in the woollen factory.

ORILLIA, ONT.—The E. Long Mfg. Co. intend erecting a brick building on corner of Peter and King street. An electric crane may be installed.

HARRISTON, ONT.—James Smith has purchased property on the corner of Elora and William streets and next summer will erect a fine residence.

EDMONTON, N.W.T.—Fisher & Bond, of British Columbia, have purchased the old electric light works site and intend erecting a brewery.

WALKERTON, ONT.—By-laws were carried here last week granting bonuses for the establishment of a bobbin factory, hosiery factory and biscuit factory.

OWEN SOUND, ONT.—New tenders are invited up to December 9th for erection of House of Refuge for the county, to be located in the vicinity of Markdale.

WINDSOR, ONT.—Plans have been completed for extension of the Sandwich, Windsor and Amherstburg Railway south a distance of 5½ miles along the Detroit river.

LINDSAY, ONT.—It has been decided to submit a by-law to the ratepayers to borrow \$40,000 for the construction of roads. The work contemplated is four miles of macadam.

COWANSVILLE, QUE.—J. P. Stimehom, secretary-treasurer of the municipality, invites bids up to December 15th for purchase of \$3,000 twenty year four per cent. debentures.

ST. MARYS, ONT.—J. Humphries, architect, is preparing plans for extensive new buildings contemplated by David Maxwell & Sons.—B. Forman will build a brick residence on Elgin street.

ST. THOMAS, ONT.—The city council has decided to take over and operate the electric street railway. Repairs will be made to the plant, under the direction of James A. Bell, city engineer.

BELLEVILLE, ONT.—Major Weatherbee, Dominion government architect, will, as the result of an examination of the drill shed here, recommend that it be replaced by a new brick or stone structure.

VICTORIA, B. C.—L. A. and J. Rostein have purchased a lot on corner of Government and Courtney streets and intend building a modern two-storey brick block 70x90 feet, ground floor to contain five stores and upper floor to be used as a hall.

STRATFORD, ONT.—The Grand Trunk Railway Co. have appropriated \$4,500 and a free site in the centre of the city for the purpose of erecting a modern Y.M.C.A. building to cost about \$10,000.—It is the intention of the Grand Trunk

Railway to enlarge their shops in this city, the work to be commenced in the spring.

**HAMILTON, ONT.**—Jonathan Ellis, of Port Dover, has organized the Ellis Knitting Co., and intends equipping a factory in this city with modern machinery.—A. W. Peene, architect, is building a new factory for the Parisian Laundry Co., to cost \$10,000.—The Dominion Cotton Belting Co. will erect a building, 150 x 50 feet, and two-storeys high.

**BURK'S FALLS, ONT.**—The Dominion Government is asking for tenders by Tuesday, December 9th, for construction of wharf here. Plans on application to post-master, at office of H. A. Gray, C.E., Confederation Life Bldg., Toronto, and at the Department of Public Works, Ottawa.

**BRIDGEWATER, N.S.**—It is understood that E. D. Davison & Sons have given to a syndicate of New York and Philadelphia capitalists an option on their timber properties and saw mills in this vicinity. If the deal should be consummated the syndicate will likely erect pulp mills and develop the water power.

**TORONTO JUNCTION, ONT.**—It is rumored that the McCormack Mfg. Co., of Chicago, have purchased property within the town limits and will erect large manufacturing buildings.—The new factory to be built by Heintzman & Co. will be four-storeys, 80x50 feet, cost \$20,000. It is the intention to equip the factory with a sprinkler system.

**PETERBOROUGH, ONT.**—T. E. Bradburn and J. W. Garvin, representing the Peterborough Beet Sugar Co., recently laid before the county council a proposition to establish a beet sugar factory within the county. The council was asked to subscribe for \$40,000 of stock.—The county council will probably issue \$10,000 of debentures for erection of bridges.

**SAULT STE. MARIE, ONT.**—H. R. Halton, architect, has been instructed to prepare plans for addition to Balmoral Hotel, cost \$10,000, brick block for J. McCormack, and business block for Mr. Lemieux, barrister, all of Sudbury.—An extensive scheme of sewer extension has been prepared for next year, for which the council will be required to provide funds.

**SAULT STE. MARIE, ONT.**—Z. A. Earle, chief engineer of the Main and North Shore Railway, desires tenders by December 15th for grading and bridging as follows: Section 1, between Meaford and Tobermory; section 2, between Fitzwilliam Island and Gertrude Mines; section 3, between Gertrude Mines and Sault Ste. Marie. Plans at the company's office here.

**QUEBEC, QUE.**—The Dominion Iron & Steel Co. are asking for tenders by noon of 27th inst. for certain foundation work required for erection of coal pockets in the Louise Basin. Plans at the office of A. E. Doucette, chief engineer of Quebec & Lake St. John Railway.—The Victoria Curling Club have secured a site from the Dominion government on which it is proposed to build a fine club house next summer.—It is reported that the Canadian Pacific Railway are negotiating for the purchase of the block of houses to the west of the Chateau Frontenac, with the intention of building a large addition to the hotel.

**OTTAWA, ONT.**—Plans are now in the hands of D'Arcy Scott for a large extension to St. Patrick's hall, to be commenced in the spring.—Plans have been prepared by the C.P.R. for several new stations to be erected next year at points along the Gatineau Division.—

—The contract for heating the public building at Nelson, B. C., has not yet been let, the time for receiving tenders having been extended to November 24th.—The Department of Railways and Canals will receive tenders up to January 15th, 1908, for 25,000 tons of 80-lb. steel rails for the Intercolonial Railway.—F. Gelinas, secretary of the Department of Public Works, is taking tenders up to Friday of this week for construction of an isolated block at St. Francois Isle d'Orleans, Que.—The council are advertising for a suitable site on which to erect the proposed library building.

**WINNIPEG, MAN.**—Local architects are requested to submit plans for proposed Carnegie library building; first prize, \$300; 2nd, \$200; 3rd, \$100.—It is the intention of the Manitoba Cement Co., composed of Eastern capitalists and previously referred to in this paper, to build cement works covering 8 acres of ground and with a daily capacity of 1,000 barrels of cement. The mill will be built either at Winnipeg or Morden. The company may also engage in the manufacture of brick, tile and sewer pipe.—E. W. Rugg, printer and publisher, has purchased the property on King street known as the Brockville House and will rebuild it for the purposes of a printing office.—The C. R. Steele Furnishing Co. have purchased the property in rear of their warehouses on Main street and intend erecting a four-storey warehouse next year.—Voting on the by-law to raise \$20,000 for erection of three suburban fire halls takes place on December 9th.—Approval has been obtained for the construction of a drainage system in townships 12, 13, 14 and 15, in ranges 7 and 8 east, also for construction of two pile bridges over the Brokenhead river; estimated cost of total work, \$148,000.—Surveyors are now laying out a route for the Canadian Northern Railway to White River.

**VANCOUVER, B. C.**—Plans prepared by W. T. Dalton, architect, have been accepted for the erection of new jail on Powell street. Plans for a fire hall on Seymour street, to cost \$33,000, have been prepared by W. T. Whiteway, architect. It is proposed to submit a by-law to the ratepayers to raise \$67,000 by the issue of debentures for the erection of these buildings.—The Presbyterians have given permission to the Presbyterians residing in the extreme west end of the city to build a new church in that district. Particulars may be obtained from Rev. S. T. Scouler.—The C. P. R. have just asked for tenders for a heating plant for hotel at Field.—It is rumored that the Monarch Lumber Co., of Whatcom, Wash., are negotiating for a site near this city on which to erect a large saw and shingle mill.—Plans are under consideration for extensive alterations and improvements to the Fraser river tanneries of the British Columbia Packers' Association.—It is practically decided that the C. P. R. will make a start in the spring to build a branch road to Field to do away with the big hill. Much of the work will consist of cutting through solid rock.—T. A. Fee, of Parr & Fee, architects, has prepared plans for a new building to be built on Granville street, to be of brick and granite, three-storeys, 75x85 feet, ground floor containing four stores and two upper floors fitted for rooms and offices.

**TORONTO, ONT.**—A. G. Weale, 469 Preston avenue, wants tenders on masonry for private residence.—Pellett & Pellatt, stock brokers, have purchased the property at 40 and 42 King street east, now occupied by P. Burns & Co., and will probably erect a new building on the site at an early date.—It is un-

derstood that the Wire-Woven Wood Mfg. Co., of this city, are considering the erection of a new factory.—The Kemp Mfg. Co. have secured from the city the land required for the extension of their factory.—J. Davis, architect, 71 Victoria street, is about to take tenders on painting two houses.—Funds are being collected for the erection of a Nurses' Home in connection with the Western Hospital.—J. & J. Taylor will shortly commence the erection of an addition to their safe works, the required property having been obtained from the city.—The Civic Property Committee have requested Dr. Sheard, medical health officer, to recommend a suitable site on which to erect a new morgue building.—Plans of wharf to be built at Burk's Falls, Ont., are on view at the office of H. A. Gray, C.E., Confederation Life Bldg.—F. H. Herbert, architect, has taken tenders on erection of eleven houses on St. Clarens avenue north of Bloor street.—The proposed alterations to No. 1 police station are to be commenced immediately, estimated cost \$8,000.—The proposed Women's residence in connection with the University of Toronto will be located on the west side of Devonshire Place, just south of the Gooderham property. Mrs. Freda Cole is secretary of the University Women's Residence Organization.—The council has given notice of its intention to construct a brick and paving block pavement on Sherbourne street, from Front to Esplanade, cost \$3,980; also cement concrete sidewalks on West side Victoria street, from Queen street to near Gould street, cost \$2,370; Denison avenue, east side, Queen street to Bellevue Place, cost \$2,742, as well as short portions of other streets.—The city engineer has recommended a sewerage system for the district east of Woodbine avenue consisting of septic tanks and bacteria beds on sand bar west of Woodbine avenue, to cost \$45,000.—The city engineer has recommended the following works: Brick pavement on Ontario street, Front to King, cost \$1,525; tar macadam pavement on Augusta avenue, St. Patrick to College, cost \$10,945; cement concrete sidewalks on Russet avenue, west side, from Bloor to the north limit of 72, cost \$907; Brooke street, south side, from Howland avenue to Logan avenue, cost \$156; Langley avenue, north side, from Broadview to a point 1,272 feet east, \$1,000; Vanauley street, east side, from Queen to point 800½ feet north, then easterly 57 feet, thence north to Grange avenue, cost \$1,494; Vanauley street, west side, from Queen to a point 838 feet north, thence easterly 57 feet, thence north to Grange avenue, cost \$1,531; Parliament street, west side, from Queen to Sydenham, cost \$418; Jarvis street, west side, from Adelaide to Lombard, \$570; Adelaide street, north side, from Simcoe to Spadina, \$2,027; Maple Grove, south side, from Brock to O'Hara, cost \$309; Maple Grove, north side, from Brock to O'Hara, cost \$322; Morris street, north side, from Huron to Spadina, \$289.—Building permits have been

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## MUNICIPAL DEBENTURES

granted as follows: W. Murray, brick dwelling, corner Crescent Road and Scarth Road, cost \$4,200; S. Richardson, two brick dwellings, west side Maynard avenue, near King street, cost \$5,000; J. Wheeler, pair brick dwellings, 23 and 25 Concord avenue, near College street, cost \$2,100; Toronto Railway Co., storage shed, King street, near the Don, cost \$7,000.

**MONTREAL, QUE.**—The Dominion Government has decided to appoint a commission of three engineers to report as to the nature and location of the proposed dry dock for this city. A sum of \$250,000 is available for the work.—Plans have been prepared for the new central fire station to be erected on the old St. Andrews Market site.—The Sherwin-Williams Mfg. Co. have purchased 12,000 feet of land on Atwater avenue, south of the canal, on which it is proposed to erect extensive paint works.—Henry J. Joseph, of the Waring Contracting Co., London, England, is in the city to report upon the prospects of establishing one of the company's chain of hotels in Montreal.—Building permits have been granted as follows: J. Venne, three-storey house, Joliette street, cost \$1,320; E. Dignard, factory, corner Delormier avenue and Lalcaitane street, cost \$10,000 (MacDuff & Lemieux, architects, J. Rheume, contractor); H. R. Guthrie, three-storey factory, 60 Amherst street, cost \$1,200; J. J. Beuregard, three-storey house, Beaubien street, cost \$1,500; Mrs. P. Rasconi, two houses, Versailles street, cost \$6,000 (Jos. Sawyer, architect, Chapleau & Desjardins, contractor); Club St. Denis, two-storey club house, Laval avenue, cost \$3,000 (J. O. Turgeon, architect, Latreille Freres, contractors); Jas. Harper, alterations to house, 16 St. Phillippe, cost \$1,750; (Walker Livermore, architect, P. Neville, contractor); A. F. Gault, alterations to house, corner Guy and St. Antoine streets, cost \$1,000 (Jas. Wright, architect); Mount Royal Club, four-storey club building, corner Sherbrooke and Stanley streets, cost \$30,000 (E. Maxwell, architect, John Quinlan, contractor.)

**FIRES.**

Dwellings of Cyril Barrage, Robert Mott and George Young at Bath, Ont., totally destroyed.—Organ and piano store of G.M. Orme & Sons, Sparks street, Ottawa, almost totally destroyed; loss about \$125,000. The store will be re-

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built.—Furniture factory and saw mill of E. Matheson & Co. at Thompson, Cumberland county, N. S.; loss \$7,000, small insurance.—Bradbury Block at Elkhorn, Man., owned by the Keewatin Lumber Company.

**CONTRACTS AWARDED.**

**ST. JOHN, N. B.**—Hot air furnaces for Calvin church: Flemming & Mitchell, contractors.

**ST. JOHN, N. B.**—High and low water wharf at Kars, Kings county: F. R. Whipple, contractor.

**INGERSOLL, ONT.**—The Silica Brytic Stone Co. have been awarded the contract for cement work on Hon. James Sutherland's new residence at Woodstock.

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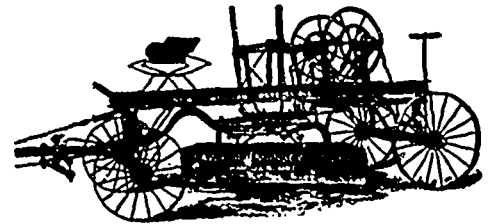
**GOVERNMENT, RAILROAD and MUNICIPAL SECURITIES.**

**WALKERVILLE, ONT.**—New Salvation Army barracks: Victor Williamson, successful tenderer.

**HALIFAX, N.S.**—Hotel for William Wilson on North street: S. Grant, successful tenderer, \$43,000.

**GUELPH, ONT.**—Erection of library building: Excavation and stone work, James McCann; carpenter work, John

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SARNIA, ONT. — Brick store for Elgin Wood; Brick work, R. Corrick; carpenter work, David Goodall.

CAMPBELLTON, N. B. — Harquail Bros. have been awarded a contract to build 25 houses at Athol for the Shives Lumber Co.

LINDSAY, ONT. — James Bogue and George Coombs were the only tenderers for construction of 45,000 feet of granolithic walks, their prices being the same, 14¼ cents per foot.

MONTREAL, QUE. — The C. P. R. blacksmith shop, the contract for which has been secured by Lessard & Harris, will be 630x130 feet, all steel outside of foundations and walls. — A. J. Cooke, architect, has awarded the contract for excavation and drain work for bakery on Prince Albert avenue for Dent Harrison to J. S. Young; other trades not let.

WINNIPEG, MAN. — Fire hose: Gutta Percha & Rubber Mfg. Co., 500 feet of Paragon hose at 90 cents per foot; Canadian Rubber Co., Toronto, 500 feet of Keystone hose, at same price.

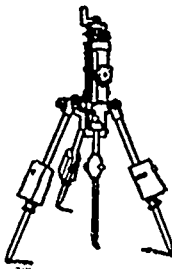
COLLINGWOOD, ONT. — Erection of public library building: Brick and stone work, Eli Holmes; slate roof and galvanized iron work, Thomas Irving & Sons; woodwork, Wilson Bros; plastering, J. Lockton; painting and glazing, F. C. Munson; heating and plumbing, Bennett & Wright; electric wiring, F. Oclemore. Building will be of Milton pressed brick, with brown stone and cement trimmings. — Light houses at Otter Head and Slate Island: W. Fryer, this town, successful tenderer. — The tender of W. C. Brent, Toronto, for purchase of \$37,150 debentures has been accepted, the premium being \$353.

Kent & Turcotte have been appointed curators of the estate of the John McArthur Company, paints, etc., Montreal.

Peter A. Cantara, contractor, of Ottawa, has assigned to W.A. Cole. A meeting of creditors has been called for the 28th inst.

An order has been granted for the winding up of the Gee Electrical Engineering Company, Toronto. E. R. C. Clarkson has been appointed permanent liquidator.

Hardwood spikes, or spike plugs, are being tried on several railways in France, to increase the holding power of ordinary screw spikes when driven in ties of Baltic pine and other soft woods. Holes about 1½ in. diameter are bored in the tie and tapped to receive screws of hardwood 1¾ in. diameter at the bottom and 2 in. at the top, each with an iron band to prevent splitting. The wooden screws are hollow and the iron spikes or screw spikes are driven into them. The increase in holding power is said to be from 30 to 40 per cent. for new pine ties, while in old ties it is from thirty-three per cent. for beech to sixty-two per cent. for oak and eighty per cent. for pine.



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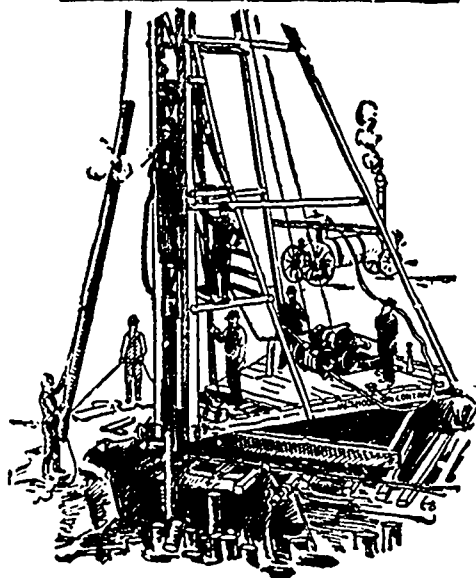
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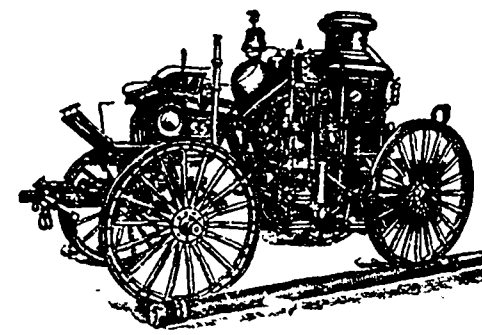
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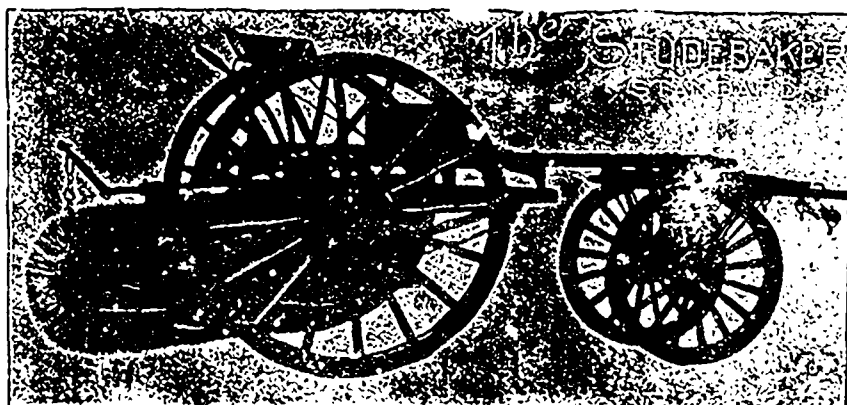
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**BUSINESS NOTES.**

August Reush, brick maker, Yorkton, N.W.T., is dead.

James Thomas & Bros., contractors, Montreal, have dissolved partnership.

The assets of George Simser, contractor, South Indian, Ont., have been sold.

Aumond & Carty, contractors, Montreal, are reported to have assigned to Alex. Desmarteau.

The Riviere Ouelle Pulp & Lumber Company, St. P. come, Que., has applied for a charter.

Edmund Spillman, paints, etc., Vancouver, B. C., is said to be offering to compromise at 30 cents on the dollar.

The Ottawa Steel Casting Company, Limited, has been incorporated, with a capital of \$250,000. The promoters are: George G. Roe, J. E. Ashwith, Jas. H. Gercan, G. B. Norton, D. C. McLaren, J. G. McLaren and A. J. McGibbon.

The Harrow & Sanderson Company, Limited has been incorporated, with a capital of \$40,000. The company will manufacture refrigerators, screen doors and windows, etc. Although composed of Brantford capitalists the factory will be located at Paris.

M.P. Davies, who had the contract for the substructure of the large bridge spanning the St. Lawrence river at Quebec, has completed the work. The contract called for the building of two main piers, two anchor piers and two abutments, involving 80,000 yards of masonry, which cost a little over one million dollars. The superstructure is about to be commenced by the Phoenix Bridge Company.

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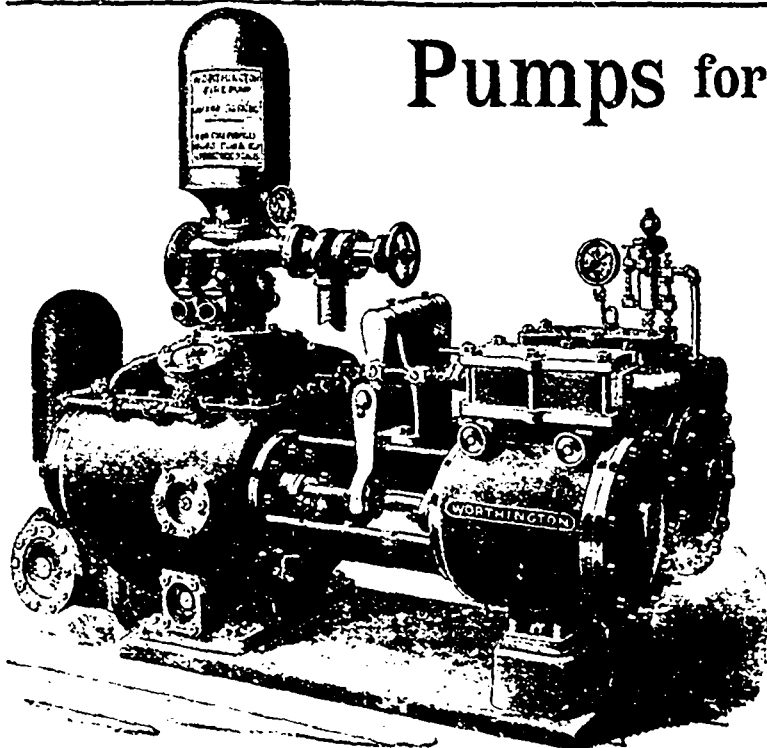
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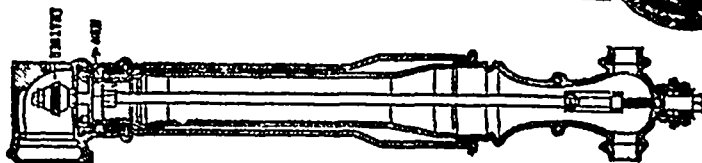
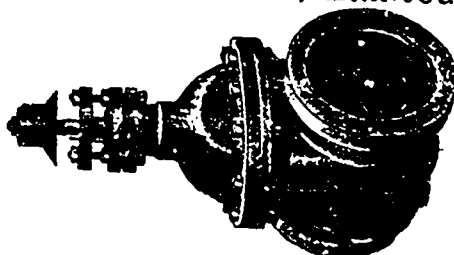
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## MUNICIPAL DEPARTMENT

### TAR OR OIL FOR LAYING DUST.

The continental press has given considerable notice to experiments made by Dr. Guglielminetti, of Monte Carlo, for laying dust by means of oiling or tarring the roads, writes Henry H. Morgan, consul at Lucerne. One paper says:

The experiments in oiling or tarring the roads at Champigny were very successful. The apparatus in use were perfected by M. Audouin, engineer in chief of the chemical department of the Compagnie Parisienne du Gaz. Two successive processes of using tar were employed.

1. Distribution by means of a special type of sprinkler, fitted with a fan-shaped nozzle, pierced with two rows of orifices.

2. Distribution by means of a tank of about 200 quarts capacity, heated by a traveling furnace, and operated in the same manner as ordinary sprinkling tank. It is shown that the road, macadamized, and well rounded, should be thoroughly washed and brushed on the day before the tarring operation, and to the extent of laying bare the macadam. After all trace of humidity has disappeared, the hot tar should be spread upon the road in a thin layer.

In the trials at Champigny, when the tar commenced to cool, fine sand was scattered over the section treated. Orders

were then given that the road should be closed to traffic for a few days, and it is assumed that in a few months the value of the experiments will be demonstrated.

A similar trial, conducted six weeks ago at Geneva, has given excellent results. The delegates of the "Ligue Internationale des Associations Touristes" held at Geneva, reported on August 16 that the tarred surface was not slippery, that it was extremely hard, and that the horses' hoofs left no visible trace.

During the time that has elapsed, no softening of the layer has been observed in spite of the very hot weather. The frequent rain storms have done no damage. The water washed the surface without making it slippery, and it ran off rapidly, not being able to soak into the road.

The cost of the tar, reckoned at 30 francs (\$9.65) a ton, came to about a cent for each square yard.

It is evident that a road protected from humidity and inclemency by this impermeable layer will last much longer than if left in its natural state, so that the lubrication process presents economic as well as hygienic advantages.

The "Touring Club de France," the "Automobile Club de France," and the "Association Generale Automobile" are disposed to encourage these experiments.

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The Walkerville Water Co., Limited, Walkerville, Ont., has obtained a charter.

Mr. C. H. Rust, city engineer of Toronto, read a paper on "Sewage Disposal" at the November monthly meeting of the Canadian Society of Civil Engineers in Montreal.

At a special meeting of the Engineer Club of Toronto held on Tuesday evening, November 18th, an interesting paper on "Recent Applications of Compressed Air" was read by Mr. A. A. Bowman, Toronto, representative of the Canadian Rana Drill Company.

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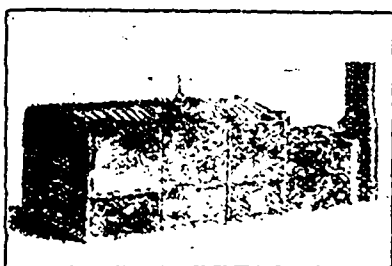
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Table with columns: Toronto, Montreal, and stone types (Common Rubble, Large flat Rubble, Foundation Blocks, Granite, Amherst Red Sandstone, Stanghead granite paving blocks, Granite corbing stone, Bacterite Olive Frost, Olive Sandstone, Brown).

INDEX TO ADVERTISEMENTS

In the "Canadian Architect and Builder."

Large index table listing various categories: Architects, Contractors' Plant and Machinery, Mantels, Grates, and Tiles, Roofing Material, Building Stone Dealers, Bricks, Cement Blocks, Slates, Portland Cement, and various other services and materials.

Table listing prices for various materials and services, including Toronto and Montreal prices for stone, brick, and other building materials, as well as prices for architectural varnishes and other products.