

# CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF PUBLIC WORKS AND TENDERS

PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • 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. 13.

DECEMBER 31, 1902

No. 46

## THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY WEDNESDAY

As an Intermediate Edition of the Canadian Architect and Builder.

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G. H. MORTIMER PUBLISHING COMPANY of Toronto, Limited.

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## WANTED.

A Draughtsman. Must be good designer. Apply to W. H. SHILLINGLAW, Architect, Brandon, Man.

## Wanted

Competent Architectural Draughtsman. Permanent engagement if satisfactory. Apply, stating qualifications and salary required, to "ARCHITECT," care of CONTRACT RECORD.

## NOTICE

Judgment has been given declaring the firm of Gouinlock & Baker, architects, dissolved on May 1st, 1902.

Mr. Gouinlock desires to inform the public that he is carrying on his profession in his commodious suite of offices on the 11th floor in the Temple Building.

## Bridge Tenders

will be received by the undersigned, on behalf of the County of Huron, at Wingham Post Office, Ont., until 5 o'clock p.m. on SATURDAY, THE 24TH DAY OF JANUARY, 1903, for the erection of the Superstructure of a Steel Bridge over the Mailand River, about six miles from Goderich, at Benmiller.

The bridge floor will be 375 feet long, to be three spans of 120 feet each, clear between the abutments and piers. The roadway is to be 10 feet wide, clear, between trusses. Steel joist at two feet centres.

Floor to be 3 in. thick, of Rock Elm or Tamarack. Wheel guards 6x8 inches pine or cedar. Railing 4 ft. high of three tiers of 2 1/2 inch gas pipe. The bridge will be supported on concrete abutments, 17 feet from bed of stream to floor. Rock bottom, little water, a good place to erect.

Strength required 100 lbs. per square foot. To be completed 15th of September next, 1903.

Also state the price if concrete floor is used. Tenders must be accompanied by a marked check, payable to the County Treasurer, equal to 5 per cent. of amount of tender.

Should any party whose tender is accepted fail to execute the necessary contract and bonds and give satisfactory security for the due fulfilment of the contract, the deposit accompanying the tender will be forfeited to the County of Huron. The deposits of unsuccessful tenders will be returned.

The lowest or any tender not necessarily accepted.

JOHN ANSLLEY,  
County Commissioner.  
Wingham, Ont., Dec. 26, 1902.

## WANTED

Draughtsman for out of Town, good in design and detail. Apply to Box 17, CONTRACT RECORD.

## Notice to Contractors

Sealed tenders will be received by the undersigned up to NOON OF MONDAY, THE 12TH OF JANUARY, 1903, in bulk only, for Excavations, Stonework, Brickwork, Fireproofing, Iron and Steel Work, Carpenter and Joiner Work, Marble and Tiling Work, Roofing, Plastering, Painting and Glazing, required in the reconstruction of the present Head Office Building of the Bank of Montreal.

Each tender must be accompanied by an accepted cheque made payable to the Bank of Montreal for not less than 3 per cent. of the amount of the tender, which will be returned to unsuccessful tenderers, but that of the accepted tenderer will be retained until the satisfactory completion of the work, and will be forfeited in case of failure on the part of the accepted contractor to enter into a contract with approved sureties.

Plans and specifications can be seen, and all particulars obtained at the offices of

MESSRS. TAYLOR & GORDON,  
43 St. Francois Xavier St. Montreal.

It is not guaranteed that the lowest or any tender will be accepted.

## City of Winnipeg

### Tenders for Supply of Water Pipe.

Sealed tenders, addressed to the Chairman of the Fire, Water and Light Committee, for the supply of a quantity of water pipe and specials, will be received at the office of the undersigned up to 8.30 p.m. on

Monday, February 2, 1903

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

Each tender must be accompanied by an 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 on the part of the contractor to enter into 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.

C. J. BROWN,  
City Clerk's Office,  
Winnipeg, December 24, 1902.

The works of the Ontario Portland Cement Company, Limited, at Blue Lake, near Brantford, Ont., which are now nearing completion, will have an output of 500 barrels of cement per day, and provision has been made for future enlargement. The buildings consist of a kiln room and wet room 215x65 feet; coal grinding building 55x65 feet; clinker grinding building 70x100 feet; stock house 200x78 feet; engine and boiler room 50x70 feet; as well as clay building, repair shops and residential buildings for the employees. The construction is brick and stone walls and steel and iron roofs. The officers of this company are: President, E. L. Good; vice-president, W. S. Wisner; managing director, W. G. Elliott; secretary, E. D. Taylor.

## CONTRACTS OPEN.

ST. GEORGE, ONT.—J. P. Lawrason intends building a new banking house.

DESERONTO, ONT.—A new school costing \$30,000 may be erected here.

HULL, QUE.—Father Valicate purposes building a public hall to cost \$5,000.

SAULT STE. MARIE, ONT.—A Methodist church to cost \$20,000 will be built here.

HEDLEYVILLE, QUE.—It is proposed to erect here a line of wharves along the St. Charles river.

VALLEYFIELD, QUE.—The Government has purchased the Loy property as a site for new post office.

OTTAWA, ONT.—Steps are being taken towards the erection of a Jewish synagogue in a central location.

LACOMBE, N. W. T.—The citizens propose to form a company to build a creamery here, to cost \$5,000.

HARTNEY, MAN.—The Farmers Co-Operative Co. purpose building a 75,000 bushel elevator here next spring.

LONDON, ONT.—The managers of the Talbot street Baptist church purpose erecting a new edifice on a central site.

WINDSOR, ONT.—The ratepayers of Jannet e avenue are in favor of the construction of an asphalt pavement on that street.

COLLINGWOOD, ONT.—A company is being formed to build cement works on the Nottawasaga river near this town.

ORILLIA, ONT.—The council have under consideration plans for a septic tank system of sewage disposal, to cost \$105,000.

BROCKVILLE, ONT.—B. Dillon, architect, is preparing plans for a residence to be built near Mallorytown by Mr. Foley.

ARTHUR, ONT.—The trustees of Kenilworth church have decided to build a new parsonage next spring, probably at this place.

ST. LOUIS DE GONZAGUE, QUE.—The ratepayers have voted down a proposition to expend \$5,000 in macadamizing the roads.

NEW WESTMINSTER, B. C.—Petrie, McGlochin & Harvey intend to erect a shipbuilding yard and marine slip in the west end.

TORONTO JUNCTION, ONT.—Excavations are being made for new store to be built at the corner of Royce avenue and Edwin streets.

OXFORD, N. S.—The Oxford Woollen Mills Co. intend erecting in the spring a new brick and stone factory, 50x330 ft. and two storeys.

DIGBY, N. S.—A. J. Copp, M. P., recently interviewed officials of the

Dominion Government regarding an addition to the wharf here.

**KENTVILLE, N.S.**—Justice Wetherbee has issued an order under the statute providing for the construction of a court house at this place.

**ALMONTE, ONT.**—It is necessary that about \$5,000 shall be expended in extending the electric light plant owned by the corporation.

**NEW GLASGOW, N. S.**—A syndicate represented by Col. Trotter, of Quebec, propose to establish works here for the manufacture of fire clay.

**MURRAY RIVER, P. E. I.**—D. Pottinger, manager Intercolonial Railway, Moncton, desires tenders by January 15th for erection of wharf at this place.

**SMITHVILLE, ONT.**—Negotiations are in progress between the town council and the Oshawa Canning Co. for the establishment by the latter of a branch in this village.

**PORT HOPE, ONT.**—New tenders are invited up to January 5th for erection of a factory building for the Standard Ideal Sanitary Co. Plans at store of R. A. Mulholland.

**OVEN SOUND, ONT.**—Next spring Grafton & Co. propose to erect a two-storey addition, 30x40 feet, to their dry goods store and add another storey to the rear section.

**BRACEBRIDGE, ONT.**—Dr. Nesbitt, of Toronto, has entered into an agreement with the town council to build a linen factory here, with plant and buildings to cost \$75,000.

**EDMONTON, N. W. T.**—The Edmonton Street Railway Co. are applying to parliament for permission to construct railways radiating from the town a distance of fifty miles.

**NIAGARA FALLS, ONT.**—The Ontario Power Co. are reported to have submitted to the Department of Railways and Canals at Ottawa plans for their transmission line to Toronto.

**FREDERICTON, N. B.**—A scheme is being promoted for the extension of the Stanley Railway several miles further up the Nashwaak river. Provincial and Federal subsidies will be asked for.

**SALMON RIVER, N. B.**—The Salmon River Railway Co. is seeking incorporation, to build a railway from Orionville Siding to a point near Salmon River mill, in the parish of Drummond.

**FORT FRANCES, ONT.**—Application will be made at next session of Parliament for a charter for a railway to run from this place to Lac Seul. It is believed that James Conmee is interested.

**SYDNEY, N.S.**—J. A. Gillies, representing English capitalists, has submitted to council a proposition to establish works here for the purpose of distilling coal tar and for the manufacture of other by-products of coal.

**ST. JOHN, N. B.**—The re-arrangement of the city hall in order to provide new quarters for the officials of the Public Works Department is being discussed. The proposed changes include the installation of an elevator.

**SHERBROOKE, QUE.**—At a recent public meeting the question of building a new city hall and library was discussed. A joint building seems to meet with favor.—The People's Telephone Co. propose to improve their system.

**ST. HYACINTHE, QUE.**—Teller & Co. are making arrangements to commence work at an early date on the erection of a distillery and abattoir. The main buildings will be of brick and will be connected to the railway by means of sidings.

**AMHERST, N. S.**—The Amherst

Foundry Co., Ltd., has been formed to manufacture the Robb hot water heater and other heating appliances. It is proposed to expend about \$10,000 in installing new machinery in the works of the Amherst Foundry & Heating Co.

**ST. CATHARINES, ONT.**—Tenders for the annual supply of timber, hardware, castings, paints, oils, etc., for use on the Welland canal are invited by the Department of Railways and Canals, Ottawa, up to January 9th. Specifications at the superintending engineer's office here.

**QUEBEC, QUE.**—Z. Resther, architect, of Montreal, is preparing plans for rebuilding the Victoria Hotel in this city for his brother, A. Resther. The new building will be six-storeys and built of steel and terra cotta.—The Quebec & New Brunswick Railway Co. will apply to Parliament for power to build a bridge over the St. John river near Connor's Station.

**VICTORIA, B. C.**—It is understood that outside capitalists have made a proposition to the city council to erect a high-class tourist hotel here, with Turkish and salt water baths, provision for sea bathing, etc., to take the place of the burnt Mount Baker Hotel. Several sites are under consideration.—The by-law to expend the sum of \$200,000 in the extension of sewers was carried by the ratepayers on December 19th.

**GAPE, QUE.**—A company is seeking incorporation to construct a railway from a point on the Intercolonial Railway between Causapsal and Little Metis to Gape Basin.—The Atlantic Quebec & Western Railway Co. is seeking a charter to build a railway from the Intercolonial Railway to Edmundston, on the St. John river, N.B., and a second line from Gape Basin along the shore of the Gulf of St. Lawrence through the counties of Gape and Bonaventure.

**VANCOUVER, B. C.**—It is reported that Findlay, Durham & Brodie purpose building another tannery on the Skeena river.—An engineer of the Public Works Department, Ottawa, has been commissioned to report regarding the deepening of False Creek.—Work will be commenced immediately on the new block for Johnathan Rogers, corner Hastings and Homer streets. Building will be two-storeys, 52x125 feet, ground floor occupied by the Royal Bank of Canada and second storey fitted up for offices.

**HAMILTON, ONT.**—The International Harvester Co. have purchased an additional 35 acres of property and are understood to have plans under way for the further extension of their works.—The new factory for the Dominion Blitting Co., for which contracts have just been awarded, will be equipped with the latest machinery for the manufacture of stitched and oiled cotton duck belting. J. J. McGill is president of the company.—The Cataract Power Co. have decided to double the capacity of their power plant at Decew Falls.

**GUELPH, ONT.**—The Centrifugal Windmill Mfg. Co., recently organized, propose to build their factory in this city.—Thomas Griffin is building a brick addition, 20x40 feet, to his foundry.—The county council are about to award the contract for building a new iron bridge on the boundary line at Pipe's mill.—James Johnstone has purchased the European Hotel and the premises occupied by the Wellington Mutual Fire Insurance Co. Mr. Johnstone will make extensive improvements to the hotel property, including the installation of an elevator and baths.

**WINNIPEG, MAN.**—C. J. Brown, city clerk, is prepared to receive tenders up to February 2nd for the supply of a

quantity of water pipe and specials.—Lock Bros. & Co. have amalgamated with Foley Bros., of St. Paul, and have purchased a site with 200 feet frontage on Market street in this city, where they will next spring erect a five-storey grocery warehouse, 100x100 feet, with stone basement, stone facings and brick walls.—Mackenzie, Mann & Co. have purchased the Western Canada block and it is understood that the acquisition of this property is but part of a large building scheme.

**CALGARY, N. W. T.**—Mr. Dennis, superintendent of land and irrigation for the Canadian Pacific Railway, has taken up his residence here for the purpose of superintending the construction of the proposed irrigation canal between Calgary and Medicine Hat. The proposed scheme will cost in the neighborhood of \$4,000,000 and will comprise 59 miles of a large main canal and 104 miles of side canals.—The Calgary & Edmonton Railway proposes to build the following branch lines: From Wetaskiwin, on its main line, easterly a distance of 100 miles; from a point between Lacombe and Red Deer, on its main line, easterly 100 miles; from Strathcona, the present terminus of its line, to Edmonton; from Edmonton in a northerly or northwesterly direction for a distance of 100 miles.

**MONTREAL, QUE.**—John Kennedy, chief engineer for the harbor commissioners, states that plans will be completed within a week for grain conveyors, permanent sheds and trackage to be constructed upon the wharves.—At the last meeting of the finance committee the sum of \$765,000 was voted for streets, including the following: Repairs to pavements on which guarantees have expired, \$150,000; repairs to macadamized roads, \$100,000; wooden sidewalks, \$50,000; repairs to permanent sidewalks, \$25,000; macadamizing new roads, \$25,000. The sum of \$15,000 was appropriated for an asphalt plant.—It is proposed to establish a new church parish in St. Henri, to be known as St. Irene. The church will be built at corner of Atwater avenue and Delisle street.—A building permit has been issued to Alf. Mercure for a three-storey house on Duluth ave., to cost \$3,000.

**TORONTO, ONT.**—W. H. Snell, of East Toronto, has had plans prepared for a three-storey brick block to be built on the corner of Gerrard and Main streets.—Mr. Justice Britton has given a decision enjoining the city council from submitting a by-law to the electors authorizing an expenditure of \$50,000 for a consumptive sanitarium.—Building permits have been granted as follows: Buffalo Tool and Machine Co., brick warehouse, one storey, 172 Front street west, cost \$2,000 (J. W. Siddall, architect, David, & Lunn, contractors); County of York, alterations to old court house, cost \$3,000 (E. R. Babbington, architect, O. T. Hicks, contractor); Dr. Elliott, 2 storey brick office, 231 Richmond street w., cost \$1,200; Francis

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# MUNICIPAL DEBENTURES

Phillips, pair s.d. 2 storey dwellings, west side Manning ave, near Bloor street, cost \$2,000; John Bucksey, pair detached 2 story frame and roughcast dwellings, east side Waverly road, cost \$1,100; Geo. Bell, 2 storey brick dwelling, east side Greenwood avenue, cost \$1,000 (J. Jackson, builder.)

**FIRES.**

Store of McLean & Ryans, dwelling of John Murray, store and dwelling of J. J. McFee and general store of Blakney Bros., all at Petuodiac, N. B.; totally destroyed; loss about \$30,000.—Stores at Letellier, Man. owned by R. Bomeault N. Coneault, partially destroyed.—Dry goods store of G. R. Anderson and Bro. Brampton, Ont., damaged to extent of \$30,000.—Planing mill of Boake Mfg. Co., 107 Howland avenue, Toronto, completely destroyed; loss \$30,000.—Bogshaw's book store on Saskatchewan avenue, Portage la Prairie, Man.; loss \$10,000.

**CONTRACTS AWARDED.**

VANCOUVER, B. C.—Three-storey brick block adjoining the Mountain View Hotel: Baynes & Horrie, contractors.

NEW WESTMINSTER, B.C.—Residence for J. R. Grant, corner Royal avenue and Clinton Place: Architect, A. E. Henderson; contractor, W. G. Chalmers.

WILLIAMSTOWN, N. B.—New Catholic church: George F. Burpee, of Avondale, and P. H. Gallivan, of Farmerston, contractors; cost of building about \$4,000.

FARNHAM, QUE.—The Council have awarded to T. A. Morrison & Co., of Montreal the contract to supply a No. 4 Champion portable stone crusher and a 15 ton Brantford-Pitts steam road roller.

SYDNEY, C. B.—Chappell Bros. & Co., Ltd., have been awarded the contract to erect the large foundry buildings for A. C. Thompson & Co., Ltd., of North Sydney. The buildings when completed will cost in the vicinity of \$16,000. The plans are the production of Architect Bjoth, and work is under his supervision.

VICTORIA, B. C.—Congregational church, corner Pandora avenue and Blanchard street: H. J. Knott, contractor, price \$3,215.—Siems & Shields,

**THE GREY AND BRUCE PORTLAND CEMENT COMPANY**  
of Shallow Lake, Limited.

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**"HERCULES" BRAND OF PORTLAND CEMENT**

Very finely ground. Unsurpassed for Sidewalks, Floors and all work requiring the Highest Grade of Portland Cement. For prices address,

A. D. CREASOR, Sec'y-Treas.  
Head Office, Owen Sound, Ont.

Great Falls, Montana, have been awarded the contract for extending the Victoria, Vancouver and Eastern Railroad from Carlew to Midway. Work is to commence at once.

TORONTO, ONT.—The following tenders have been accepted for repairs to No. 1 police station, on plans by Smith & Gemmell, architects:—Painting, F. E. Phillips, \$897; carpenter work, Bishoprick & Company, \$1,875; masonry and brick work, Charles Bulling; plumbing and gas fitting, J. Sherlock; steel and iron work, McGregor & McIntyre, \$3,550. There were no tenders for plastering or electric wiring.—The Toronto Construction & Pavement Co. have been given the contract for a sewer on Wallace avenue at \$1,907.

**A. E. AMES & CO.**

BANKERS.

18 King Street East, TORONTO.

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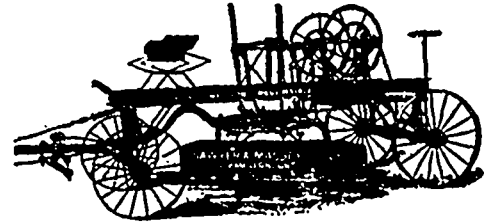
GOVERNMENT, RAILROAD and MUNICIPAL SECURITIES.

**REAL ESTATE TRANSFERS.**

The following transfers of vacant property in Toronto have recently been recorded:

Englewood Ave., s. s., west of No. 25 and east of No. 77—City of Toronto to Eilen Crocker, 22x110, being part lot 12,

**THE WORLD RENOWNED GRADER**



"Steel Western Reversible"

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**MUNICIPAL DEBENTURES BOUGHT**

**EMILIUS JARVIS & CO.** (Toronto Stock Exchange) 19-21 King St. West, TORONTO, Ont.

block C, plan 826, and 30x110, being lot 10, block C, plan 826, sale price \$20.82.

Gerrard Street e., s. s., e. of No. 713—R. A. Wilkin to John Schmidt, 51x100, being lots 86 and 87, plan 360, sale price \$1.

Roxborough Street, s. s., east of No. 167—Farmers' Loan and Savings Co. to G. W. Howland, 50x124, being part lot 43, plan 528, \$1,200.

Baldwin Street, s. s., east of No. 73—J. A. Kane to Katherine Walsh, 40x90, being part of park lot No. 14, sale price \$1,900.

Bismarck Ave., s. s., east of Park Road—Eliza C. Heward to Eliza D. Browne, 20x120, being lot 2, plan 221 E., price \$300.

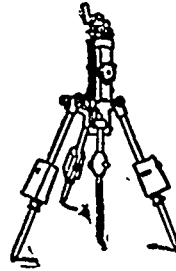
Geoffrey Street, s. s., e. of No. 87.—Isabella Train to York County Loan and

Savings Co., 50x127, being lot 80, plan 729, sale price \$450.

Dufferin Street, w. s., s. of No. 1138.—Toronto General Trusts Corporation to Alexander Stewart, 50x130, being part lot 4, plan 61, sale price \$800.

Woodbine Ave., e. s., cor. Kew Beach Ave.—Emerson Coatsworth to Charlotte Hogart, 31x120, assessed at \$31; sale price, exchange of land and \$1

We are advised by Geo. W. Gounlock that he has been successful in his suit against his late partner, F. S. Baker, and that judgment has been given in his favor, also declaring the partnership dissolved on May 1st, 1902, as per Mr. Gounlock's contention.



Here you're face to face with the Empire Rock Drill, which is the best for municipal excavations.

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The price of the third edition, mailed free, is \$1.00 to subscribers of the CANADIAN ARCHITECT AND BUILDER, and \$1.50 to non-subscribers. Order from the publishers,

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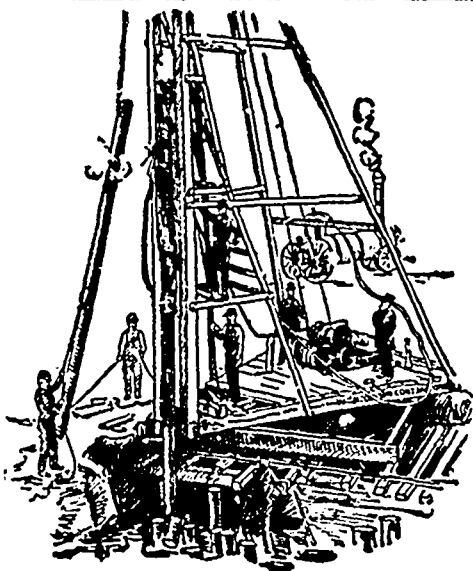
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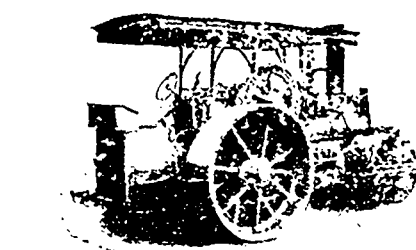
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St. Lawrence Portland Cement Co. 264 Notre Dame Street West, MONTREAL, QUE.

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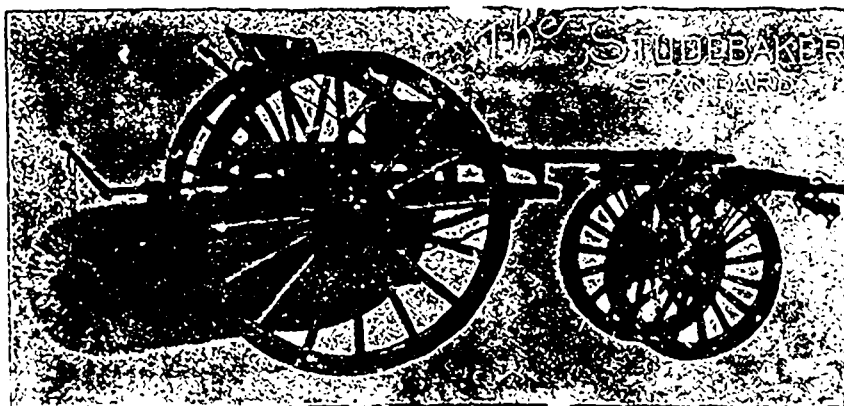
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**BUSINESS NOTES.**

Geo. Beaucage, contractor, St. Alban, Que., is dead.

Latontaine & Bastien, painters, Montreal, have dissolved partnership.

The Canadian Crystal Glass Works have registered their business in Montreal.

Pilkington & Company, glass manufacturers, of St. Helens, Lancashire, England, have established a warehouse at Vancouver, B. C.

The assignment is announced of R. Lapiere, contractor, Montreal, also R. C. Thornloe, paints, etc., Montreal.

The Mount Royal Foundry Company has been incorporated in Montreal, with a capital of \$45,000. The promoters include Robert Dunn, John H. Grimm and A. J. Darling.

The Engineering & Contracting Company of Canada has been incorporated, with a capital of \$500,000 and headquarters in Montreal. The promoters are T. J. Davis, of Montreal; M. J. Haney, of Toronto; Roger Miller and F. R. Miller, of Ingersoll; and J. R. O'Neil, of Cardinal.

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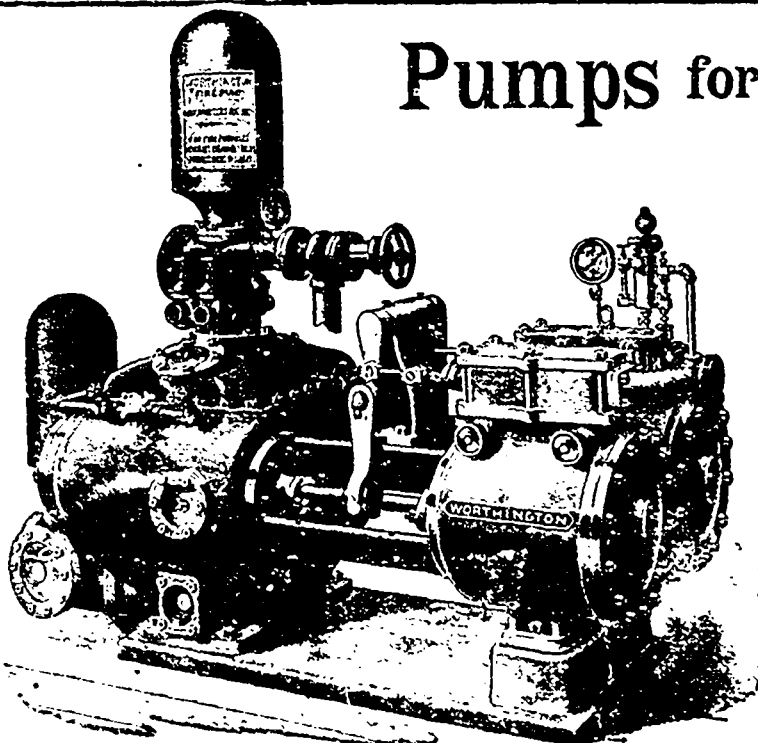
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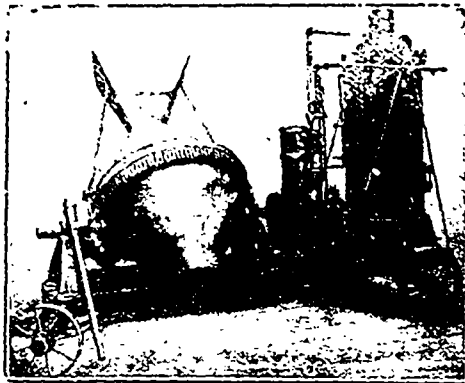
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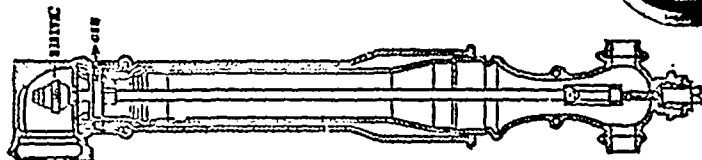
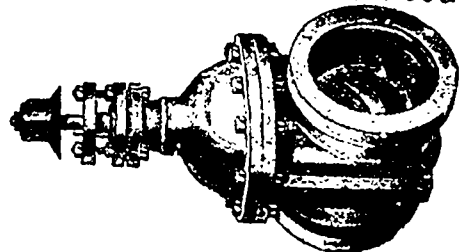
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### LEATHER PAVING BLOCKS.

There seems to be no limit to the ingenuity of man in his adaptation of materials to multitudinous uses. Yet another paying substance is about to arise to compete with the ordinary paving brick. A company has been organized in Boston with a capital of \$300,000 to manufacture railroad ties and paving blocks from leather. Naturally, the inventors are sanguine that their material will revolutionize the paving brick industry. Should this be the case, we will be able to see the advertisements on this new paving material with a war-cry "tough as leather."

These paving blocks are to be made of the little scraps which hitherto have been allowed to go to waste. The company controls a patented process by which it is claimed all waste leather can be utilized to the best of advantage so that the pavements which are employed daily in wearing out the "soles" of the pedestrians and their footgear will be repaired by the paving block product of the uppers. It is said by the officials of the company that in railroad ties alone, a saving of \$7,000 per mile can be effected in construction. This invention has the advantage of a novelty anyhow, and all we have to do is to wait and see whether its claims will be substantiated by the actual manufacture and use of the product. In the meantime we will advise our readers to save their old shoes and boots; they may have a market value.—Exchange.

### LEGAL DECISIONS AFFECTING MUNICIPALITIES.

McCLURE V. TOWNSHIP OF BROOKE; BRYCE V. TOWNSHIP OF BROOKE.— Judgment (R) in appeal by defendants from order of Divisional Court allowing appeal by plaintiffs from order of Meredith, C. J., dismissing their application to have all matters arising in the actions referred to the drainage referee as an official referee. The actions were brought for alleged injuries to plaintiffs' lands and crops by reason of the construction of certain drains by the defendants and the obstruction by them of certain ditches. Proceedings had also been begun by the plaintiffs under the Drainage Act for such damages as could be recovered, if at all, only at a trial before the drainage referee under that Act. Meredith, C. J., had been of opinion that the drainage referee was not an official referee, and that there was therefore no power to refer as asked in the absence of a consent. But the Divisional Court had thought that the drainage referee, being an officer of the court, was an official referee, and referred the actions to him. The township now appealed on the ground that a wrong conclusion had been arrived at as to the effect of the statutory provisions. Held, that no one could be an official referee who was not one of the officers named

in sec. 141 (1) of the Judicature Act, or had not been appointed an official referee by the Lieutenant-Governor under sec. 141 (2). The drainage referee, while an officer of the court, and holding office by the same tenure as an official referee under sec. 88 of the Arbitration Act, was not an official referee, his powers being defined by sec. 89. No reference to him could therefore be directed here except as a special referee by consent. Order of Divisional Court reversed, and that of Meredith, C. J., restored, with costs.

### THE ORIGIN OF SEWER PIPE.

The extensive and ever-increasing use of sewer pipe in our large cities to-day leads one to endeavor to trace back in thought the origin of this utilization. Much interesting light has been cast upon the early history of the sewer pipe by some recent excavation in the ancient city of Nippur. The foundation of this great metropolis was laid four thousand years before Abraham, and the oculists in their investigation have unearthed a remarkable system of sewerage. The sewer was made by breaking up the bottom of stone-ware jars and inserting the neck of one jar in the bottom of the next, the joints being pasted with clay. It will thus be said that there is a very slight difference in design between the sewer pipe of the present time and that used by the ancient Nippurians. Nippur is located on what is supposed to have been the Garden of Eden.

Mr. C. A. Kingston, city clerk, of London, Ont., has tendered his resignation and a successor has been appointed in the person of Mr. C. B. Edwards, M. A. Mr. Kingston purposes residing in California for the benefit of Mrs. Kingston's health.

As nearly as can be determined there were used last year in fifty-five cities in Great Britain and Ireland from which returns were received by the British Columbia Information Bureau, 30,350,000 wooden blocks, valued at \$1,500,000.

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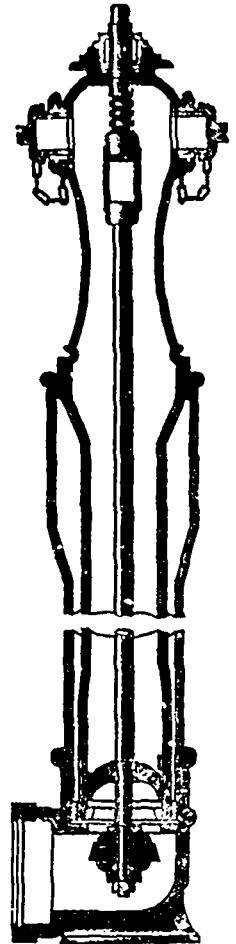
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