

CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF THE BUILDING INDUSTRY

PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • AND MUNICIPAL PROGRESS

EVERY WEDNESDAY

This paper reaches every week the Town and City Clerks, Town and City Engineers, County Clerks and County Engineers. Purchasers of Municipal Debentures and leading Contractors in all lines throughout Canada.

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THE CANADIAN CONTRACT RECORD,
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TENDERS

Will be received by 7 O'CLOCK, P.M., on FRIDAY, AUGUST 7TH, 1903, for Steel Document Files with Cases, Base Cabinets and Panelled Ends, all complete, set up in the Registry Office, Kent County, Chatham, Ontario. Must submit plans, specifications and samples of files and weight of steel.
 No tender necessarily accepted.
 J. GOSNELL, County Clerk.
 Chatham, Ont., July 20, 1903.

Concrete Sidewalks

Sealed tenders, endorsed "Tender for Sidewalks" will be received by Chas. McMillan, City Clerk, up to 8 p. m. on FRIDAY, AUGUST 7TH, 1903, for the construction of about 25,000 square feet of concrete sidewalks 12 and 10 feet wide, with concrete curb and gutter.
 Specifications may be seen at the office of the City Engineer, Calgary, or the office of THE CONTRACT RECORD, 106 Confederation Life Building, Toronto.
 No tender necessarily accepted.
 F. W. THOROLD, City Engineer,
 Calgary, Alberta.
 JAS. A. HORNBY, Chairman Public Works,
 Calgary, Alberta.

NOTICE

The Council of Grey will receive tenders for the Laurent Drain, to be opened on MONDAY, 10TH DAY OF AUGUST, 1903, at 2 p. m., at Township Hall, Ethel. Council reserve right not to accept lowest or any tender.
 Security satisfactory to council will be required. \$25 to accompany tenders until contract agreement is signed. Engineer's estimate of work on drain is:—
 In Grey 10190 cu. yds. at 15c. \$1,528 50
 In Morris 23,220 " 15c. 4,383 00
 On Town Line 40 " 15c. 6 00
 Total \$5,917 50
 Plans and specifications to be seen at Clerk's Office, Ethel.
 JOHN MCINTOSH, Clerk,
 Ethel P. O., Huron County, Ont.

CLERK
 (22) with knowledge of shorthand, Typewriting, Book-keeping, etc., desires position in Contractor's office. Box 24, CONTRACT RECORD.

CEMENT WALK CONTRACT

The Municipality of the Village of Beamsville, Ont., request tenders for cement or artificial stone sidewalks in this village. For particulars address
 H. V. ROBINS, Village Clerk,
 Beamsville, Ont.

Debentures for Sale.

Sealed tenders will be received by the undersigned up to 8 o'clock p. m. on AUGUST 10TH, 1903, for the purchase of \$10,000 Debentures of the Village of Elmira, bearing four per cent. interest, payable in twenty annual instalments. The highest or any tender not necessarily accepted.
 J. H. RUPPEL,
 Clerk.

TENDERS FOR DEBENTURES

Tenders will be received at the City Clerk's Office, Fredericton, for \$4,000.00 City of Fredericton Funded Debt Debentures, dated 20th JULY INST., payable four years from date, with coupons for interest at rate of four p. c. per annum, payable semi-annually. The said Debentures are issued in sums of \$500.00 each. The highest or any tender not necessarily accepted. For further particulars apply to the undersigned. Dated July 16th, A. D. 1903.
 By order of the city council.
 CHAS. W. BECKWITH, City Clerk.

NOTICE TO ENGINE BUILDERS.

Sealed tenders, addressed to James Dixon, Esq., chairman Water Commissioners, Windsor, Ont., and marked "Tender for Pumping Engine," will be received by the undersigned up to 12 o'clock, noon, on WEDNESDAY, THE 12TH DAY OF AUGUST, 1903, for the building and installing of one Horizontal Cross Compound High Duty Crank and Fly-Wheel Condensing Pumping Engine having a capacity of 5 millions imperial gallons in 24 hours against a domestic pressure of 50 lbs. per sq. in., or a fire pressure of 110 lbs. per sq. in. Each tenderer will furnish his own plans and specifications.
 Time required to complete the work, including installing, must be stated in the tender. A certified cheque payable to the order of the Water Commissioners equal to 10 per cent. of the amount of tender must accompany each tender; which cheque in the case of an unsuccessful tenderer will be forthwith returned, but in the case of the successful tenderer will be retained until a satisfactory bond for the due performance of the work is executed, or if such successful tenderer for any reason neglects or refuses to execute a satisfactory bond within ten days after his tender is accepted by the Water Commissioners, said cheque will be cashed and the expense of re-advertising the work required and any additional cost of building and installing said Pumping Engine over the amount of his tender will be retained from the proceeds of such cheque.
 The right is reserved to reject any or all tenders.
 The Water Commissioners,
 W. A. HANRAHAN, Sec'y.
 Windsor, Ontario, July 23, 1903.

BUILDING CONTRACTORS—A HALF OR one-third interest in planing mill, doing a thriving business in the new city of Niagara Falls, Canada, can be bought by practical man on very liberal terms. For particulars apply to WILLIAM HEWSON, real estate agent, Niagara Falls, Canada.

DRAUGHTSMAN

Of Toronto desires Junior's position in architect or other office; eight years with architects and civil engineers; excellent references. Address, "Walter J.," CANADIAN CONTRACT RECORD Office, Toronto.

CONTRACTS OPEN.

PORT HOPE, ONT.—F. Gaibraith intends building a brick residence.
WINDERMERE, ONT.—An Anglican church will likely be built here.
PEMBROKE, ONT.—The council have just taken tenders on granolithic walks.
LINDSAY, ONT.—The town council will likely rebuild the Wellington street bridge.
DESERONTO, ONT.—The Rathbun Co. propose extending the Bay of Quinte Railway.

PETROLIA, ONT.—Arthur Hume proposes building a residence on Front street west.

BEAVERTON, ONT.—A by-law to provide funds for a town hall was carried last week.

GLACE BAY, N. S.—The Methodist congregation will build a new church at New Aberdeen.

ELLICE, ONT.—John Rogers, C. E., has prepared plans for construction of the Foley drain.

PERTH, ONT.—The by-law providing for a sewerage system for the town was carried last week.

GLENCOE, ONT.—George Wilson, on behalf of the council, desires offers for supply of cement.

GREAT VILLAGE, N. S.—T. D. Blaikie wants bids on a loan of \$3,000 for school purposes.

BALDUR, MAN.—M. A. Sexsmith wants tenders by August 3rd for building brick Methodist church.

QUEBEC, QUE.—There is talk of enlarging St. George's school, Maple avenue, by building a wing.

SYDNEY MINES, N. S.—Niel McAlauy has received plans of new block to be built on Commercial street.

GALT, ONT.—W. M. Davis, C. E., of Berlin, has been taking levels in connection with proposed sewer outlets.

HINTONBURG, ONT.—The trustees of the Methodist church are considering the enlargement of building.

ST. JOHNS, QUE.—The ratepayers will this week vote on a by-law to raise \$40,000 for street improvements, including concrete walks and macadam roadways.

BRANTFORD, ONT.—A Toronto architect is preparing plans for improvements to opera house here.

UNION POINT, MAN.—Offers received by D. G. McMillan up to August 4th for five debentures of \$1.40 each.

TORONTO UNCTION, ONT.—The Humber Power & Light Company is about to build a stone engine house.

BARRIE, ONT.—Bids received by A. Craig, county treasurer, up to August 4th for \$100,000 4 per cent. debentures.

FERNIE, B. C.—The Elk Lumber & Manufacturing Co. has been organized here, to conduct lumbering operations.

SOUTHAMPTON, ONT.—The council will submit a by-law to the ratepayers to raise \$5,000 for waterworks extension.

ORILLIA, ONT.—The council have ratified a proposition to assist the Dominion Linen Mills Co. to establish a factory here.

CHESTER, ONT.—The congregation of St. Barnabas church have bought a site on Danforth avenue on which to build.

RIDGETOWN, ONT.—Howard township council wants tenders for a steel trestle bridge 71 feet long over Duffin Creek.

WOODSTOCK, ONT.—It is expected that the Ontario Government will let the contracts this fall for the proposed asylum.

LETHBRIDGE, N. W. T.—A by-law to raise \$120,000 for installing a waterworks and sewerage system was carried recently.

SYDNEY, N. S.—The proposed Carnegie library will be built of pressed buff colored brick and freestone, cost \$15,000.

NANAIMO, B. C.—The supplementary estimates will contain an appropriation of \$40,000 for an addition to the post office here.

WIARTON, ONT.—It is said to be the intention of the Electric Light Co. to install an incandescent system throughout the town.

MONCTON, N. B.—The manager of the Intercolonial Railway wants bids by August 6th for erection of engine house at Ste. Flavie, Que.

ARNPRIOR, ONT.—Rev. Father Chaine has intimated that the building of a new R. C. church will not be proceeded with until a later date.

MILTON, ONT.—Bids received by R. Coates, town clerk, up to August 3rd for construction of 13,000 square feet of cement concrete walks.

COOKSHIRE, QUE.—The council have decided to lay concrete walks throughout the town, debentures to be issued to pay for same.

SHERBROOKE, QUE.—A syndicate of capitalists has purchased the Moe residence on King street and will build a business block on the site.

REGINA, N. W. T.—Voting on a by-law to provide \$135,000 for system of waterworks, sewerage and electric light will take place on August 10th.

MADOC, ONT.—The owners have closed down the electric light plant and the citizens will be obliged to take steps to provide some system of lighting.

LOUISBURG, N. S.—The Cape Breton Coal, Iron and Railway Co. have bonded four properties here with a view to building shipping piers on one of them.

WINDSOR, ONT.—Tenders are invited by the city for waterworks pump.—Fred Dresch intends erecting a new building on the site now occupied by the public library.

NORWAY, ONT.—A meeting of the ratepayers of School Section No. 20 will

be held this week in connection with the issue of debentures to build an addition to the public school.

SMITH'S FALLS, ONT.—Tenders are invited by the town council up to August 3rd for sewer on William street; length of trenching, 700 lineal feet; rock excavation, 250 cubic yards.

NEW WESTMINSTER, B. C.—William Craig, Jos. Atcheson and others have secured a lease of water frontage on Docks Square as a site for a factory for the manufacture of cabinet ware.

CALGARY, N. W. T.—Tenders are invited by the city clerk up to August 8th for construction of about 25,000 square feet of concrete sidewalk, 10 and 12 feet wide, with concrete curb and gutter.

MCDONALD'S CORNERS, ONT.—The ratepayers of Dalhousie and North Sherbrooke will vote on a by-law on August 18th to raise \$2,000 to build a steel bridge at head of Dalhousie lake.

HUNTSVILLE, ONT.—Plans of the Huntsville and Lake of Bays Railway have been submitted to the Ontario Government. The work will be proceeded with as soon as the plans are approved.

STRATFORD, ONT.—E. T. Dufton, A. J. McPherson and others are applying for incorporation as the Stratford Improvement Co., to build a number of residences in the city.

VICTORIA, B. C.—Ridgeway Wilson, architect, has prepared plans for a fine residence to be built by James Douglas.—It is probable that tenders will be invited shortly for a quantity of water pipe.

OTTAWA, ONT.—The trustees of McLeod street Methodist church are considering plans for re-arrangement of interior.—Tenders will be invited by the School Board for school books amounting to \$1,500.

ST. THOMAS, ONT.—The city has petitioned the Railway Commission of the Privy Council at Ottawa for a subway at Ross street and level crossings at Elgin and William streets, over the Canada Southern Railway.

HALIFAX, N. S.—Plans are being prepared for large addition to the Monastery of the Good Shepherd.—It is expected that the Intercolonial Railway will erect a modern roundhouse in this city.

COLLINGWOOD, ONT.—John Wilson, architect, has prepared plans for the several buildings to be built by the Imperial Wire Co.—Same architect wants tenders by 6 p. m. of 31st inst. for steam heating in the east ward school.

FREDERICTON, N. B.—The Howe Wood-Working Co. has been organized here.—The Government has been petitioned to build a stone bridge to replace the one over Hall's Creek. A. R. Wetmore, provincial engineer, will report.

FENELON FALLS, ONT.—Bids received by F. A. McDiarmid, on behalf of the Board of Water, Light and Power Commissioners, for \$27,500 debentures, issued for the purpose of purchasing the water power and electric light system of the village.

KINGSVILLE, ONT.—The council have decided to extend the present intake of their water works into the clear water of Lake Erie, a distance of probably 1,500 feet. They would like to receive names and addresses of contractors and engineers interested in that class of work with a view to the letting of a contract for the work.

ST. JOHN, N. B.—Capitalists of Haverhill, Mass., have delegated Charles Vaughan to report upon the advisability of establishing a shoe factory in this city.—F. N. Brodie, architect, is taking ten-

ders up to August 7th for carpenter and mason work, heating, plumbing, metal work and painting and glazing for extensive additions and improvements to the general hospital.

VANCOUVER, B. C.—The lowest tender received for new high school building being in excess of the appropriation, it has been decided to invite new tenders on plans provided by C. R. Oldershaw.—Negotiations are on foot looking to the building of a large flour mill on the water front.—W. T. Whiteway, architect, has made plans for a new theatre building to be built on corner of Hastings street and Columbia avenue.—J. J. Honeyman, architect, is taking tenders on two residences.

FORT WILLIAM, ONT.—A. Deadman is building the foundation for a brick house on Syndicate avenue.—The Ogilvie Mills Co. will shortly award the contract for piles for the foundation of new mill and elevator to be erected here. The superstructure will not be commenced until next year.—Plans have been completed for new hockey and skating rink, to be 72 x 180 feet.—Harold Copp is having plans prepared for a residence to cost about \$3,500.

NIAGARA FALLS, ONT.—The Niagara Falls Park Commission have approved of plans for a new refectory and shelter, to cost upwards of \$20,000, for which tenders will be invited immediately.—Plans have also been accepted for power house for the Canadian Niagara Power Co.—It is proposed to borrow \$5,000 for civic improvements.—Engineer Ryan, of the Grand Trunk Railway, will build a residence on Ellis street.—C. E. Wilcox wants bids by August 4th on \$6,000 volume debentures.—It is proposed to raise \$2,000 by an issue of debentures to provide increased school accommodation.

WINNIPEG, MAN.—Frank Evans, architect, is taking tenders on residence on Hargrave street for David Philip.—Hugh McCowan, architect, wants tenders by 1st August for brick and stone building on corner Portage avenue and Kennedy street, for John Baird.—The plans for the locks at St. Andrews Rapids, in the Red River, are to be changed so as to permit of the building of a bridge across the river at that point.—James Chisholm, architect, is taking tenders on a frame residence.—The Jackson Building Co. want tenders on carpenter work for two houses.

HAMILTON, ONT.—The Cataract Power Co. have submitted to the city council a proposition to double-track the radial railway line from Barton street to Irondale, at an approximate cost of \$50,000.—The following building permits were granted last week: John E. Brown, brick dwelling, Main street, between Wentworth street and Sanford avenue, cost \$2,700; Sawyer Massey Co., brick addition to factory, cost \$15,000; E. A. Depew, brick dwelling, Princess street, cost \$1,000; C. Thompson, brick dwelling, Sophia street, cost \$1,400; R. Poag, brick residence, Sanford avenue, cost \$1,800; T. H. Sharp, residence on Maria street, cost \$2,000.—The city engineer has been instructed to devise a scheme for a sewerage system for that portion of the city west of Dundurn street and between King street and the cemetery.

MONTREAL, QUE.—Tenders wanted at the city clerk's office up to noon of 30th inst. for excavation and masonry for retaining wall on Sherbrooke street at head of Montcalm street.—Charles E. Phelps, of Baltimore, will submit to council an expert report on the construction of a conduit system for electric wires.—A number of important improvements to Bonaventure station are contemplated by the Grand Trunk Railway.—Building permits have been granted as follows:

Austrian and Hungarian Sick Benefit Society, three-storey building, corner Milton and Elgin street, cost \$14,000; E. Peppier, one-storey building, Aylwin street, cost \$2,000; O. Belanger, two-storey building, 59 Garnier street, cost \$1,500; Pierre Guette, two-storey building, 690 Papineau avenue, cost \$2,000; M. C. Foley, alterations to three-storey building, 10 Victoria street, cost \$2,000 (Finlay & Spence, architects; E. Gauthier, contractor.)

TORONTO, ONT.—The Gooderham Estate have announced their intention of erecting a business block on the northeast corner of King and Sherbourne streets, at a cost of \$50,000, although the work may not be begun this year.—The Board of Control desire tenders by August 4th for a number of concrete sidewalks, also for structural steel and iron work required in erection of addition to isolation hospital.—Mr. Fellowes, waterworks engineer, states that an extension of the waterworks system is necessary. He recommends that a tunnel be constructed from the main pumping station to Mugg's Landing, immediate relief to be provided by continuing the six-foot steel pipe to the south end of the tunnel and connecting it with the crib at Hanlan's island by a 5-foot steel pipe.—Should the observatory be allowed to remain in Toronto, it is probable that a new Meteorological building will be erected on a site suggested by the University authorities just east of McMaster University. It is said that there is also on the tapis a new provincial art gallery for Queen's Park.—Specifications of concrete sidewalks to be built at Calgary, N. W. T., may be seen at the office of the CONTRACT RECORD; estimated work, 25,000 square feet; tenders close August 8th.—New plans will be prepared for proposed improvements to the Berkeley street fire hall.—The Ontario Government will provide \$4,000 towards proposed improvements to the Gravenhurst Sanitarium.—Building permits have been granted as follows: M. A. Marshall, pair brick dwellings, 360 and 362 Crawford street, cost \$4,000; F. Terry, brick dwelling, 162 Euclid avenue, cost \$3,200; A. Dale, pair brick dwellings, south side Winchester street, cost \$3,500; York County Loan & Savings Co., brick and stone building, Fermanagh avenue, near Roncesvalles, cost \$5,000; Thomas Harman, two-storey and attic brick dwelling, 656 Palmerston avenue, cost \$4,500; Henry O'Brien, alterations to residence, 383 Sherbourne street, cost \$1,500; M. Mead, three-storey brick addition to building, 266 Bloor street west, cost \$1,500; Thomas McIlwain, two two-storey brick and stone dwellings, Dufferin street, cost \$4,000; C. S. Janes, alterations to dwelling, 144 St. George street, cost \$2,000; Charles Toss, two-storey brick and rough-cast dwelling, 38 Russet avenue, cost \$1,100; C. Shorey,

brick dwelling, Albany avenue, near Barton, cost \$3,500; W. Hovey, two-storey brick factory, Noble street, cost \$800.—It is said that the Metropolitan Railway Co. have decided to extend their electric road to Lake Simcoe.—The council have given notice of the intention to construct the following works: Cedar block pavements on Church street, Front to Esplanade, cost \$5,310; on roadway south of Bathurst st. bridge leading to the Queen's wharf, cost \$5,640; asphalt pavements on Hamilton street, from Paul to Gerard, cost \$12,222; on Wilton avenue, Yonge to George, cost \$22,070; on McPherson avenue, Avenue road to Rathnally avenue, cost \$4,455; on Ottawa street, from Shaftsbury to Summerhill avenue, cost \$2,016; brick pavements on St. Nicholas street, St. Albans to St. Joseph, cost \$1,963; on Princess street, Front to Esplanade, cost \$5,673; on

SCRAPERS

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MUNICIPAL DEBENTURES BOUGHT

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Gould avenue, Queen to Jemimah, cost \$6,002; on Mitchell avenue, Tecumseh to Niagara, cost \$5,100; on Sheridan avenue, Dundas to Colledge, cost \$6,670; also a number of cement concrete sidewalks.

FIRES.

Mills and lumber yard of the Harrison River Mills, Timber & Trading Co. at Harrison River, B. C., totally destroyed.—General store of C. K. Halliday, at Chesley, Ont., loss \$5,000.—Planing mill and lumber yard of George Wilson & Co., St. Catharines, Ont., damaged to extent of \$40,000.—Building at Guelph, Ont., owned by Guelph Waterproof Clothing Co., damage \$8,000.—Saw and planing mill of Knöchel & Young at Rosseau, Ont., burned on 22nd inst. They will probably rebuild.—Residence of William Watts at Souris, M.n.—Residence of A. Brömer, Clerk of the Division Court at Linwood, Ont.; loss \$2,000.—Bakery and confectionery store of A. M. Beltzer at Tavistock, Ont.

CONTRACTS AWARDED.

HALIFAX, N. S.—Nurses' Home at hospital: S. Marshall, contractor.

BUCTOUCHE, N. B.—Steel bridge: Simmons & Burpee, of Gibson, contractors, \$23,000.

HAMILTON, ONT.—Contract for sewers have been given to D. Newlands and J. J. Armstrong.

NIAGARA FALLS, ONT.—Sewer on Orchard avenue: Cole & McMurray, successful tenderer, \$1,020.

VANCOUVER, B. C.—Power house for Vancouver Power Co.: Jonathan Rogers, contractor; stone, 40 x 156 feet.

LONDON, ONT.—Bridge across Thames river for the Chelsea Land & Building Co.: Moore & Henry, engineers; Lewis & Geary, contractors.

PORT ELGIN, ONT.—Saugeen council have accepted the following tenders for Mill Creek bridge: Concrete work, David Keys, Kincardine, \$775; steel work, Hunter Bros., Kincardine, \$725.

MONTREAL, QUE.—Supply of cast iron pipe: Montreal Pipe Foundry Co.; successful tenderers, 260 tons at \$36 a ton; lead pipe, Robertson Lead Pipe Co., \$80 a ton; special castings, B. Amesse, \$60 a ton.

OTTAWA EAST, ONT.—Tenders

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for excavation and pipe laying and for supply of pipe were received by the Council as follows: Excavation, Thomas McLaughlin, \$5,887.50 (accepted);

J. J. Grace, \$6,042.50; P. Burns, \$6,889.43; F. Patry, \$6,099.50; G. T. Barrett, \$7,739.05. Supply of pipe, Ottawa Fire Proof Supply Co., \$3,829.50 (accepted);

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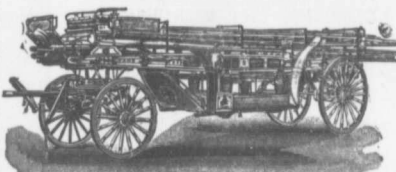
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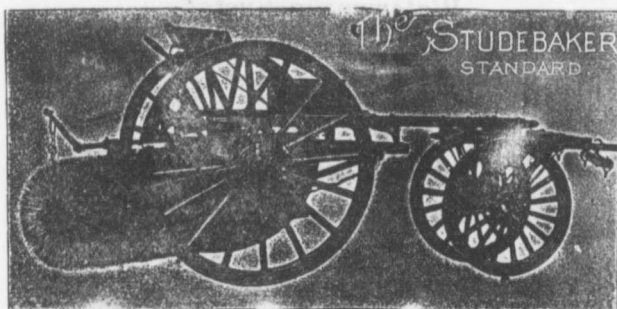
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Geo. Heaman, Mnfr., London, Ont.

Wright & Company, \$4,465.00; Thomas McLaughlin, \$4,597.50; Thomas & Kirby, \$4,595.50.

THOROLD, ONT.—The Dominion Government has awarded to Joseph Battle, of this town, the contract for substructure for bridges over the Welland canal at Welland and Port Robinson. It has been impossible to obtain from the Government the figures in detail of the successful tenderer.

TORONTO, ONT.—The Public School Board have accepted the following tenders for completion of rooms in

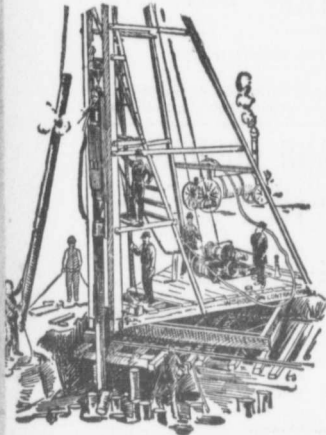
Withrow avenue and Essex street schools: Carpenter work, G. Henley & Son, \$1,079 for Essex street and \$33 for Withrow avenue; painting, J. Phinnemore, \$34 for each school; plastering, E. Warren \$68 for Essex street and \$72 for Withrow avenue.

ORILLIA, ONT.—Tenders for additions to power plant at Ragged Rapids have been accepted as below: Hydraulic work, William Hamilton Co., Peterborough, \$9,250; electrical apparatus, Westinghouse Electric Co., \$21,319.14.—75,000 square feet of cement sidewalks:

Forest City Paving Co., successful tenderers, 10 $\frac{1}{2}$ cents a square foot.

John Hayman, jr., a well known contractor of London, Ont., was killed on July 23 by falling from a warehouse under construction.

The plant of the Ontario Portland Cement Company at Blue Lake, near Brantford, Ont., is nearing completion. The company will have splendid railway facilities and will be in excellent position to supply the trade with cement.



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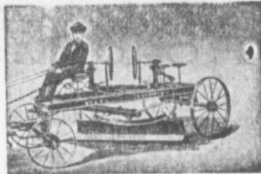
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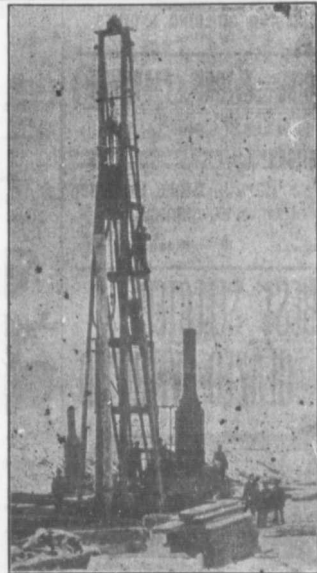
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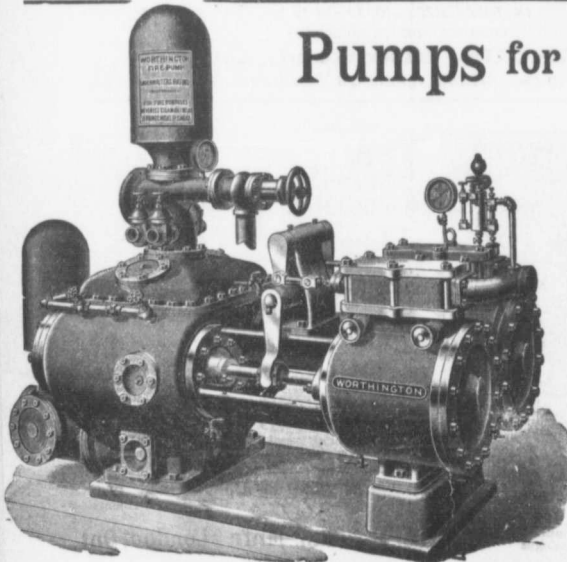
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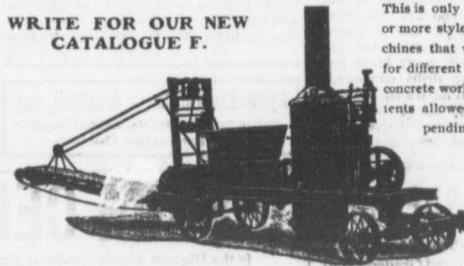
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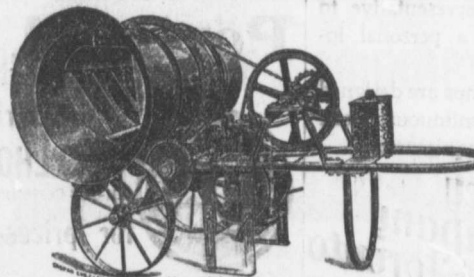
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AIR AND ELECTRIC ROCK DRILLS.

At the Dusseldorf Exhibition there was a special section devoted to rock drills, in which were displayed air and electric drills, with which were made some carefully conducted experiments. The competing drills all worked on the same block of stone with cutters, chisel ended, of the same pattern, 60 deg., and size 40 mm., and made by the same maker from steel produced from a single forge in Krupp's works. The cylinders were all approximately 3 in. in diameter, and in air pressure the same in each case. Five air drills competed, the lightest weight was 81½ kilos, the heaviest 122½ kilos. The quickest bored 4'442 cubic centimetre in the second, and required 16'90 h.p. The lowest h.p. exerted was 10'72, and it bored 0'204 cc. in the second and exhausted the smallest quantity of air, 2,133 litres per minute. Three electric drills competed, the lightest in condition for transport was 26 kilos, the heaviest 97 kilos; two were diamond drills. In the percussive drill, with 3'73 h.p., 1'361 cc. was bored per

second, whilst the diamond drill, with a crown 37 mm. in diameter, required 1'65 h.p., and bored 1'939 cc. in the second; this drill weighed 81 kilos. The lightest of these drills had a crown 30 mm. in diameter, and with 2'09 h.p. bored 1'139 cc. per second. It will be seen that, although the air drills come out ahead in speed, they were far behind, from an economical point of view, in duty and the power required.

BUSINESS NOTES.

A charter has been granted to the Toronto-Hamilton Portland Cement Company, Limited, with capital of \$350,000 and head office in Toronto. The directors include W. H. Merritt, Richard

Dinnis, D. L. Van Vlack, James Pearson, A. J. Pattison, W. J. Taylor, A. E. Osler and Rev. E. T. Fox.

The creditors of Hilsley & Horn, Limited, Toronto, held a meeting last week at which about 35 creditors attended. It transpired that practically the whole of the payments due to Hilsley & Horn from the King Edward Hotel Construction Company had been assigned to the Imperial Bank for advances during the fulfilment of the contract. The claim of the bank, fully protected, is \$62,000, while the claims of unsecured creditors reach \$96,000. The amount of the assets is not yet definitely known.

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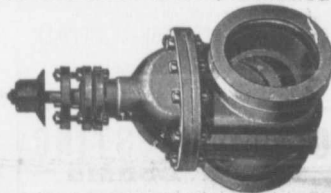
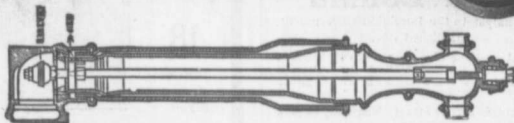
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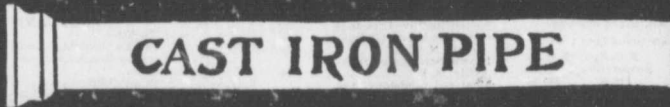
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Red No. 1	15 00	16 00
" 2	14 00	15 00
Buff No. 1	15 00	16 00
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Rawls	15 00	16 00
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" Brown	15 00	16 00
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Brown	15 00	16 00
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" No. 1	13 00	14 00
" No. 2	11 00	12 00
" No. 3	9 50	10 50
" Peerless Facing	15 00	16 00
" No. 1	18 00	19 00
Buff Peerless	18 00	19 00
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Moulded and Ornamental Brick from \$3 to \$10 per C.		
Roman Red (Size 2 1/4 x 3 1/4 in.)	28 00	29 00
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" Brown	24 00	25 00
Vitrified Pavin. Brick No. 1	18 00	19 00
" No. 2	15 00	16 00
Sewer	6 50	7 50
Roofing Tile	22 00	23 00

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W. W. Co.	23 50 M.	27 50 M.	
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Foundation Blocks, per c. ft.	30	30
Granite (Stanstead) Ashlar, 6 in. to 12 in., rise 3 in., per ft.	35	35
Amherst Red Sandstone	85	70
Amherst, N.S., per cub. ft.		
50-cub. ft. N. B. brown stone		
F. O. B. Quarries	35	45
Masonry	30 00	
Stanstead granite paving		
12 1/2-c. 8 in. x 4 in. x 6 in.		
2 1/2 in. per M.	50 00	
Granite curbing stone, 6x 20 in. per lineal foot	70	

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Butoche Olive Freestone Olive Sandstone (Indiana, N. B.)	85	65	English-Shoebridge Anchor	2 35 2 40 2 00 2 10
Brown Sandstone (Sackville, N. B.)	80	70	Belgian	2 15
Most red sandstone, per cu. ft.	60	60	"Castle" Brand	2 60 2 70 2 10 2 15
Black Pasture buff stone, per cu. ft.	65	65	"Lion's" Brand	2 40 2 50 2 10 2 15
Nova Scotia blue grey, per cu. ft.	65	65	"North's" Concor	2 40 2 50 2 10 2 15
Corner, 4 to 6 in. bed, f. o. b. St. Mary's, per cord	4 00	3 00	"White Cross"	2 15 2 20 2 15 2 10
Footing, 2 1/2 to 3 in. wide, 6 in. thick, per running foot	70	70	Atlas	2 50 2 70 2 25 2 30
Bridge Stone, 10 to 13 in. thick, f. o. b. St. Mary's, per cord	6 00	9 00	Hammer	2 50 2 70 2 25 2 30
Granite (Laurentian Pink) Ashlar, 6 to 24 in., rise 9 in., per c. ft.	25	25	Sandstone	1 20 1 30
Dimension Stock Granite (Laurentian Pink) for building purposes, per c. ft., f. o. b. quarries	40	40	R. d. Cross Brand	1 65
Do., for polishing purposes, up to 2 tons weight, per cubic foot	70	70	Waterloo	2 00
			Russell's 3 1/2 lb. ball	2 50
			1 1/2 in. Bros.	2 25 2 55 2 00 2 15
			White Star	2 00 2 10 2 15
			German	
			Off-nacher Brand	2 80 2 90 2 30 2 45
			Dyckerhoff	2 40 2 50 2 51 2 60
			Karlstadt	2 80 2 90 2 40 2 50
			Hercules	2 40 2 75 2 10 2 20
			Heemmoor	2 40 2 50 2 10 2 15
			Cannon	2 40 2 50 2 10 2 15
			Heidelberg	2 40 2 50 2 10 2 15
			Canadian	
			Star Brand	2 40 3 00
			Fusion	1 15 2 70
			Cladell	2 00
			Trowel	1 75 1 80
			Samson Brand	2 50 2 60
			Magnat	2 30 2 40
			Monarch	2 10
			Hercules	2 40 2 50
			Lion Brand	2 25 2 35
			American	
			Alpha Brand	2 45 2 50 2 50 2 65
			Alsen's	2 50 2 0 2 25 2 35
			Lenig, in bibls, 375 lbs.	2 00
			cotton sacks, 250 net	2 20
			rapa bags	2 00
			Keene's Superfine "Whites"	10 00 12 00 9 00 10 00
			Keene's Coarse "Whites"	6 50 7 00 6 50 7 00
			Fire Bricks, Newcastle, per M.	27 00 28 00 18 00 22 00
			" Scotch	26 00 33 00 17 00 22 00
			Lime, 100 lbs., Grey	30
			" White	30
			Plaster, Calcined, M. S.	2 00 2 00
			" N. S.	2 00 2 00

	Toronto.	Montreal.
Dimension stock granite for building purposes, per cu. ft.	50	50
Do., for polishing purposes, up to 2 tons weight, per cubic ft.	1 00	1 00
Paving sets, per thousand block	60 00	60 00
CREDIT VALLEY STONE.		
Rubble, per ton	60	60
Brown Coursing, up to 10 per sup. yard	2 00	2 00
Brown dimension, per cub. ft.	70	70
Grey course, 1/2 in. per sup. yard	1 25	1 25
Grey dimension, per cub. ft.	1 50	1 50
SLATE.		
Riding (W square)		
red	30 00	30 00
purple	9 00	10 00
unfa fine green	10 00	11 00
black	9 00	9 00
Terra Cotta Tiles, per sq.	25 00	25 00
Ornamental Black Slate Roofing		