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# CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

PUBLIC WORKS • TENDERS •  
ADVANCE INFORMATION •  
AND MUNICIPAL PROGRESS

EVERY WEDNESDAY

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

VOL. 10.

NOVEMBER 8, 1899

No. 41

## THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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*Information solicited from any part of the Dominion regarding contracts open to tender.*

*Subscribers who may change their address should give prompt notice of same. In doing so, give both old and new address. Notify the publishers of any irregularity in delivery of paper.*

## TENDERS

Tenders will be received until 5 p.m. MONDAY, 13TH INST., for the several trades required in the erection of a

### Detached Residence in Rosedale.

Plans and particulars may be obtained at the office of

F. H. HERBERT, Architect,  
9 Toronto Street, Toronto.

## TO CONTRACTORS

Sealed tenders, addressed to the undersigned, will be received until WEDNESDAY, NOON, THE 15TH INST., for installing an

### ELECTRIC FIRE ALARM SYSTEM

in the City of St. Thomas. Information obtained and plans of the city to be seen at the office of the City Engineer.

The Committee does not bind itself to accept the lowest or any tender.

A. L. S. CHANT,  
Chairman of Committee.

## FOR SALE

### DEBENTURES OF THE VILLAGE OF EXETER, ONTARIO

Tenders will be received by the undersigned up to 7 o'clock p.m. of the 23RD DAY OF NOVEMBER, 1899, for the purchase of

### LOCAL IMPROVEMENT DEBENTURES

of the Municipality of the Village of Exeter, amounting to \$1,250,000 (one Thousand Eight Hundred and Nine Dollars and Ten Cents), payable in ten equal annual instalments.

First Debenture payable on the 1st day December, A. D. 1900

GEO. H. BISSETT,  
Municipal Clerk.

Dated at Exeter this 3rd day of November, 1899.

## CONTRACTS OPEN.

ROYALTON, N.B.—Geo. Buchanan proposes building a residence.

SNOWFLAKE, MAN.—McMillan & Lane will erect a warehouse here.

GLADSTONE, MAN.—There is talk of two hotels being built here next year.

EDMONTON, N.W.T.—McDougall & Second will build a steamboat next spring.

GREENWOOD, B. C.—Ald. A. Fisher has decided to build an hotel and music hall.

BARNSTON, QUE.—P. E. Buckland is preparing to build a large barn next summer.

MIDLAND, ONT.—Copeland & Sons propose erecting a commodious store-house

NELSON, B.C.—It is probable that the council of next year will purchase a rock crusher.

FAIRVIEW, B. C.—The vestry of Holy Trinity church has decided to build a school room.

LITTLE CURRENT, ONT.—Munro & Ebert will probably build a saw mill here next summer.

BRANDON, MAN.—The C.P.R. will next year make extensive improvements to their yards here.

NORTH SYDNEY, N. S.—It is rumored that a syndicate is being formed to build a dry dock here.

ROSSLAND, B.C.—It is thought that the provincial government intends building a new school here.

ASHCROFT, B. C.—Arrangements have been made for several new houses to be built next season.

BROCKVILLE, ONT.—Dr. Cornell, of this town, purposes building a sanitarium at Charleston Lake.

FLETCHER, ONT.—W. J. Rhodes, of the eighth concession of Raleigh, is about to erect a saw mill.

BORNHOLM, ONT.—The congregation of Willow Grove church have decided to build a new brick edifice.

ST. CATHARINES, ONT.—The council is now wrestling with the question of a site for proposed drill shed.

NEW WESTMINSTER, B. C.—Marne architect Moir will this winter build a couple of steel fishing boats.

WOODLANDS, MAN.—Tenders for construction of bridge at Long Lake have been invited by E. P. Langrell.

PARRSBORO, N. S.—A company has been formed, with M. L. Tucker as president, to build a marine railway.

PALMERSTON, ONT.—The Palmerston Carriage Co. will likely build a large addition to their factory next spring.

PARRY SOUND, ONT.—Plans have been prepared and contracts will be let immediately for building curling rink.

ALMONTE, ONT.—The Almonte Rink

Co. will invite tenders at once for building a rink. Dr. Kirkland is secretary

BEAVER CREEK, MAN.—It is probable that the Northern Pacific Railway Company will build a station and elevator here.

WALKERVILLE, ONT.—The O. & W. Thum Co. have commenced the erection of a brick building, two stories, 100 x 40 feet.

ST. THOMAS, ONT.—The by-law to raise \$4,000 for an electric fire alarm system was carried by the ratepayers last week.

PICTON, ONT.—Tenders are wanted for construction of about 32 miles of railway fencing. Address, Box 313, this town.

MOOREFIELD, ONT.—The Methodist congregation have subscribed \$3,000 for a new church, to be commenced next spring.

CLINTON, ONT.—The congregation of Rattenbury street Methodist church are considering ways and means of building new edifice.

PORT PERRY, ONT.—The by-law to raise \$5,000 for the erection of the House of Industry in this town was carried by a large majority.

PORT COLBORNE, ONT.—The wardens of St. James church have decided upon improvements, including metallic ceiling and new windows.

BEACHBURG, ONT.—H. R. Dunn, clerk township of Westmeath, will receive tenders up to November 15th for supply of 500 cedar posts.

EDMUNSTON, N.B.—T. F. Cockran and J. M. Stevens are building a flour and grist mill, and intend putting in three shingle machines also.

MAGOG, QUE.—It is said that A. F. Gault, of Montreal, intends purchasing a site and erecting a handsome summer residence in this vicinity.

QUEBEC, QUE.—The Federal government is building a wooden platform from the citadel wall to the cove fields. The work will cost about \$4,000.

ST. MARYS, ONT.—T. Cox, of Brantford, was in town recently in connection with the organization of a company to develop the natural gas wells.

WOODSTOCK, ONT.—The question of building a subway under the C. T. R. tracks at Bay street will be considered at an early meeting of council.

DANVILLE, QUE.—The electors of Shipton carried by a large majority the by-law to loan \$10,000 to A. J. Morrill to build a pulp mill at Nicolet Falls.

LACHINE, QUE.—The by law to grant a bonus of \$25,000 to H. J. Fisk & Co., of Montreal, to erect a factory here, was carried by the ratepayers last week.

VANCOUVER, B.C.—The city engineer has reported to council that early next year he will require about \$27,000 worth of sewer and water pipes.—J. H. Bushnell has completed a survey of the pro-

posed Birnet road from Hastings to the Birnet mill, a distance of five and one-quarter miles.

**KAZABAZUA, QUE.**—The residents of Danford Lake are about to form a joint stock company to build a telephone line from Danford to Kazabazua station.

**MIDLAND, ONT.**—W. H. Crocker, architect, of Orillia, has been instructed to prepare plans for a six room addition to the West Ward school in this town.

**KINGSVILLE, ONT.**—D. A. Wilson, of Detroit, and Ernest Bailey, late of England, have formed a partnership and will remodel the canning factory building.

**NEWCASTLE, N. B.**—C. H. Mitchell, C. E., of Niagara Falls, Ont., has been engaged as hydraulic engineer in connection with the proposed electric light plant.

**SUSSEX, N. B.**—A number of leading merchants have formed a joint stock company for trading purposes and will build an addition to the block owned by Geo. H. White.

**HALIBURTON, ONT.**—J. H. Armstrong, civil engineer, is making a survey of the proposed railway extension to Whitney. The rock blasting required will be done this winter.

**FREDERICTON, N. B.**—A petition will be presented to the city council by the ratepayers asking that steps be taken to introduce a system of sewerage throughout the city.

**INGERSOLL, ONT.**—The St. Charles Condensing Co will next spring erect another building 81 x 45 feet.—It is the intention of S. King to build a residence in the near future.

**SHELBURNE, ONT.**—On the 24th inst. the ratepayers will vote on a by-law to raise \$6,000 to install an electric light plant. If carried, tenders for same will be invited at once.

**MOUNT ALBERT, ONT.**—R. H. Tinsdale wants tenders by Thursday, 9th inst., for supply of 110 cedar posts, 8½ feet long and not less than 8 inches in diameter at the small end.

**LENNOXVILLE, QUE.**—The Lennoxville Waterworks Company, Limited, will make application for incorporation, to purchase and construct waterworks, drainage and electric light systems.

**GODERICH, ONT.**—John Morris intends making a 50-foot addition to his planing mill.—Young on the by-law granting a bonus for the establishment of glass works takes place on the 15th inst.

**GRAND FORKS, B. C.**—The sum of \$7,000 will be spent immediately on street improvements.—Jay P. Graves states that it is the intention to commence work at once on the proposed smelter.

**AYR, ONT.**—According to report, negotiations are under way looking to the construction of an electric railway connecting Port Dover, Simcoe, Waterford, Brantford, Paris, Ayr and Berlin.

**WATFORD, ONT.**—Tenders for completion of Higgins drain, in township of Warwick, are invited by W. H. Stewart, township clerk, up to November 13th. Plans at office of Guide-Advocate.

**BRACEBRIDGE, ONT.**—Dr. Brigland, M.P.P., is a member of the board of directors appointed to take steps looking to the construction of an electric railway connecting this town and Muskoka lake.

**RAT PORTAGE, ONT.**—T. R. Deacon has made a survey of Whitefish Rapids, with a view of determining the cost of securing a water power for the Regina mine. It is expected that development will be commenced next spring.

**KINGSTON, ONT.**—Power & Son, architects, are taking tenders this week for the erection of store houses for H. Skinner & Co.—The proposed summer hotel scheme is taking definite form. The promoters

favor Macdonald Park as a site, but some of the citizens are strongly opposed to using a public park for this purpose.

**FORT FAIRFIELD, N. B.**—The town council has decided to build a steel bridge with granite piers, at a cost of about \$27,000. The Berlin Iron Bridge Co., of East Berlin, Conn., has submitted an estimate of cost of superstructure.

**MORRISBURG, ONT.**—The Perrie Plough Co., of Smith's Falls, are considering the establishment of a plane factory in this town, and have asked for a bonus of \$10,000. The matter will be submitted to a vote of the electors.

**CHARLOTTETOWN, P. E. I.**—Richard Smith, secretary Provincial Public Works Department, invites tenders up to Monday, 20th inst., for rebuilding and repairing the approaches for a steel span at South river bridge, Murray Harbor South.

**NIAGARA FALLS, ONT.**—A report states that the Edward Lloyd Company, Ltd., of London, Eng., has decided upon the erection of an immense paper mill at this place, to cost several million dollars, and that ground will be broken in the spring.

**HULL, QUE.**—It is reported that the Bank of Ottawa will erect a business block in this city in the near future.—A by-law will be prepared for submission to the ratepayers to issue debentures for \$55,000 for new pumping station and apparatus.

**CHATHAM, ONT.**—J. L. Wilson & Son, architects, are preparing plans for brick residence for R. N. Winters, of Halifax, N. S., to cost \$2,500.—The Laing-Ritchie Co., of Essex, have decided to locate in this city. They will manufacture handles and bent goods.

**FORT WILLIAM, ONT.**—In a report on a system of sewerage and street levels for the town, submitted by Willis Chipman, C. E., of Toronto, he advises the re-laying of a portion of the present main sewer or the abandonment of it altogether and the building of a new one.

**FARNHAM QUE.**—Mrs. Thos. Flynn is about to erect a new dwelling.—Proposals for the purchase of \$30,000 debentures, issued for the construction of waterworks system, are invited by E. Audette, secretary treasurer of the municipality, up to noon to day (Wednesday).

**LONDON, ONT.**—The city engineer has been instructed to prepare a statement and estimated cost of the work necessary to be undertaken in the year 1900.—The Jubilee Hospital Building Committee have recommended to council that Malloch & Co.'s contract for elevators for the new building be cancelled.

**SAULT STE. MARIE, ONT.**—F. H. Clergue is endeavoring to form the Ontario Lake Superior Co., to acquire the capital stock of the Algoma Commercial Co. and the Algoma Central Railway Co. A portion of the road of the latter company is under construction, but the plan is eventually to extend the road 120 miles to connect with the C.P.R. at Missanabie.

**COLLINGWOOD, ONT.**—A company has been formed here to establish a modern ship-building plant, and it is said that the works will be in operation in four months. J. J. Long, of this town, and Alexander McDougall, of Duluth, are the capitalists.—A. G. Knight, town treasurer, invites tenders up to November 15th for the purchase of \$8,300 of debentures.

**VICTORIA, B. C.**—It is the intention of the British Columbia Telephone Company to put in a metallic circuit. It is also proposed to connect Victoria and Vancouver by a telephone cable 26 miles long, for which the route has been surveyed.—It is said that as soon as the brick block at corner of Government and Fisgard streets is completed, work will be commenced on another brick and stone building adjoining, to be used as a society hall,

**LIVERPOOL, N. S.**—It is reported that R. J. Hevey, president of the Southern Railway, has purchased the Liverpool and Milton tramway and intends removing it to the head of the wharves on Water street, for which purpose engineers have recently made surveys.—The Dominion government asks tenders up to 20th inst. for hot water heating apparatus for public building in this town.

**WINNIPEG, MAN.**—Tenders will be invited immediately for the supply of sewer pipe to the value of 1,400.—Mr. Dancer, of the Public Works Department, has gone to Westbourne and Portage la Prairie in connection with drainage and other public works.—Tenders closed Saturday last for heating city waterworks building.—A movement is on foot to erect a large hall suitable for public meetings.

**SYDNEY, C. B.**—The town has decided to borrow \$20,000 for waterworks and sewerage extension.—The Commercial Bank of Windsor has purchased a site for a building.—Plans have been prepared for extensive improvements and additions to be made in the spring to the new hotel of Le Roi Willis.—The Montreal Rolling Mills Co. have made a proposition to the town to establish works here, and if accepted, construction will be commenced at once.

**MONTREAL, QUE.**—Representatives of the Buffalo syndicate which purposes erecting grain elevators in this city have submitted their proposition to the Dominion government.—Ernest Marceau, superintending engineer of Quebec canals, invites bids up to Saturday, 11th inst., for supply of timber, lumber, cement, hardware, cast and wrought iron, tools and oil for the year 1900. Specifications at 1700 Notre Dame street.—The Greater Montreal Land Co. is seeking incorporation, to construct docks, warehouses and elevators. Hon. Joseph Ouimet, judge, and J. Umard, advocate, are members of the company.—The Young Men's Hebrew Benevolent Society have appointed a committee, with Harris Vineberg as chairman, to suggest a site and building, at a cost not to exceed \$40,000, requisite for the purposes of the society and the Baron de Hirsch Institute, and to report to a special meeting of the members as soon as possible.

**HAMILTON, ONT.**—The Hamilton Blast Furnace Co., at a meeting held last week, decided to rebuild and enlarge their furnaces, spending \$50,000 on the work. The improvements will be commenced about the first of the year, and in the meantime the necessary material will be purchased.—The Finance Committee has recommended that the request of the Toronto, Hamilton & Buffalo Railway Co. for an extension of time for construction of the cross-town line be granted.—No notice has as yet been received by the city council of the proposed changes in the street railway system to be made by the Cataract Power syndicate.—The propeller Tilley is to be refitted.—Plans are being prepared by the city engineer for proposed extension of filtering basin at the Beach.—A civic deputation will probably request the Dominion government to deepen the canal.

**OTTAWA, ONT.**—E. F. E. Roy, secretary Department of Public Works, invites tenders up to Monday, 20th inst., for construction of hot water heating apparatus in public building at Liverpool, N. S. Plans at above department and at office of clerk of works, Liverpool, N. S.—It is improbable that the new wing to the Maternity Hospital will be commenced before next spring.—The railway company will ask power at next session of parliament to build a line from the mouth of the French river through the districts of Parry Sound and Nipissing to Pembroke and thence to Portage du Fort, Que.—It is understood that a movement

will shortly be inaugurated by the Roman Catholics to provide a permanent residence in this city for Mgr. Falconio, the apostolic delegate.—J. D. McLean, secretary Department of Indian Affairs, wants tenders by Friday, 10th inst., for supply of 20,000 cedar railway ties, 100 cords of shingle bolts, and a quantity of fence posts.—It is said that the proposed scheme for the erection of a pulp mill on the Gtineau river is heavily backed by British capital.—The following building permits were granted last week: Wm. Weston, frame dwelling, Waverley street, cost \$1,200, and one on Frank street, cost \$900; Wm. Weston, brick veneered house, First avenue, cost \$1,600; W. S. Gambie, brick veneered dwelling, Second avenue, cost \$1,500.

TORONTO, ONT.—Tenders are invited up to Thursday, 9th inst., for erection of brick cottage on Main street, Mimico. Plans by applying to Robert Water, Industrial School.—Application has been made for the incorporation of the Canada Foundry Company, capital \$1,000,000, the intention being to establish a large foundry in this city for the manufacture of ornamental iron work, etc. T. W. Horn, Frederic Nichols and W. R. Brock, of this city, and Winshaw Bros., of Chicago, are interested.—The R. Chelieu & Ontario Navigation Co. have leased Milloy's wharf, at foot of Yonge street, for a term of three years. The owners of the wharf, W. & R. Freeland, agree to erect a new pier for the lessees, to be 300 feet long, fitted with waiting room, ticket office, and other accommodation. The work will cost about \$15,000.—The Toronto Rubber Shoe Co. will apply to Parliament for supplementary letters patent authorizing the company to carry on the business of generating and selling electric light.—The city engineer has made a report to the Board of Works on the disposal of sewage, in which he recommends that a by law be submitted to the ratepayers to provide the sum of \$2,000,000 for the purpose, and that complete plans of the intercepting sewers be prepared during the coming winter.—Tenders close at noon to-day (Wednesday) for the supply of 100 toise of stone for macadamizing purposes. Tenders for this material were asked about one month ago, but none were submitted.—The following local improvements have been recommended by the city engineer: Asphalt pavements—Front street, York to Simcoe, cost \$9,020; Sussex avenue, Spadina avenue to Borden, cost \$9,810; Metcalfe street, Winchester to Amelia, cost \$3,570. Brick pavements—William street, Queen to Caer Howell, cost \$16,630; Boswell avenue, Avenue road to Bedford road, cost \$5,770. Cedar block pavement—Sumach street, King to Gerrard, cost \$5,950. Macadam roadway—River street, Gerrard to Spruce, cost \$940. Granite set pavement—Lane south of Front street, Yonge to Bly, cost \$7,030. Brick walk—South side Gould street, Dalhousie to Mutual. Concrete walks—East side Walmer road, Bloor street to a point 735 feet north; north side Cecil street, Beverley to Huron.—Negotiations are under way between the city engineer and the manager of the Toronto Street Railway Co. looking to the erection of a bridge over the tracks at Sunnyside.—Building permits have been granted as follows: Ald. Hallam, five-storey brick and stone warehouse, west side Market street, near Esplanade, cost \$6,500; Wm. Pakenham, two-storey brick dwelling on Huron street, near Bernard avenue, cost \$3,000.—Tenders will be invited next month for the supply of oil for city purposes for the year 1900.—S. H. Townsend, architect, has prepared plans for a new terra cotta front for the News Printing Company's building on Yonge street.

### FIRES.

The Webster House on St. James street, Montreal, completely gutted by fire on October 31st, the walls alone remaining.—O'Reilly hotel at Harrisburg, Ont.; loss \$2,000.—Old stone hotel building at Mind n, Ont.—Evaporating establishment of D. I. Hamlink at Port Hope, Ont.; building owned by Craig & Sons; loss \$4,000.—Building on Tecumseh street, Toronto, owned by the Ontario Power & Flats Co. and occupied by W. Spanner & Co., Gilchrist & Co., Fraser & Co., woodworkers, and Menzie, Turner & Co.; total loss, \$17,000.—Sun Oil Refining Co.'s property at Hamilton, Ont., almost totally destroyed.—Henry Bennett's wine-house about one mile from Walkerville, Ont., damaged to the extent of \$10,000, partially covered by insurance.—Presbyterian church at Bobcaygeon, Ont., totally destroyed; insurance \$1,200.—Carrage factory of Webster & Boyes, at Hapanee, Ont.—At Cottam, Ont., on Sunday last, fire destroyed hotel owned by J. D. Anderson, general store of B. Pellett, and two dwellings.

### CONTRACTS AWARDED.

COLUMBIA, B. C.—School house: Young & Hinderbrand, successful tenderers.

COLLINGWOOD, ONT.—Foundry building: Wilson Bros., contractors; brick, 40 x 100 feet.

DUNDAS, ONT.—Sidewalk debentures have been sold to the Independent Order of Oddfellows.

BROCKVILLE, ONT.—Improvements to A. M. Dougall's store: Briscoll & Fitzpatrick, contractors.

OTTAWA, ONT.—The tender of the Ottawa Car Co. has been accepted for five new snow ploughs, at \$27.50 each.

SARNIA, ONT.—The tender of J. B. Snider, of Waterloo, for desks for the Devine street school, has been accepted.

ST. JOHN, N.B.—John Duff, of this city, has been awarded the contract for building quarantine station here; price, \$18,500.

FORT WILLIAM, ONT.—Carpenter & Co. have been awarded the contract for supplying and driving piles for the Ogilvie mill and elevator to be erected here.

VICTORIA, B.C.—The contract for Eskine & Watt's new building, corner Government and Broughton streets, has been awarded to Elford & Smith, of this city; price about \$18,000.

KINGSTON, ONT.—H. Storey, architect, has awarded contracts as follows for plate glass front in Jas. Reid's establish-

ment—Carpenter work, Geo. Hunter; masonry, Watts & Mouldy; painting, Robinson Bros.

VANCOUVER, B.C. Contract has been awarded to Young & Twambly for block of 17 stores on Carroll street, 9 stores to be frame building and 8 stores brick and stone; cost \$17,000. Contract for residence in this city for R. V. Winch has been awarded to Purdy & Lonergan; cost \$7,000. Thomas Hooper is architect of above works.

SMITH'S FALLS, ONT. Five tenders were received for the construction of waterworks and sewerage system, as follows: Clarke & Connolly, Toronto, \$18,469; L. Lignot, Moose Creek, \$21,700; John Burn, Ottawa, \$25,000; C. H. Honkway, Syracuse, \$17,590; J. C. Kennedy, Peterboro', \$21,735. The contract has been awarded to C. H. Honkway. Willis Chipman, C.E., of Toronto, is consulting engineer.

MONTREAL, QUE.—A. F. Dunlop, R. C. A., architect, has awarded contracts as follows for the new Montreal Daily Star building: Mason, brick, and terra cotta fire-proofing, Peter Lvall & Sons; carpenter and joiner's work, T. Ford; steel construction, Dominion Bridge Company; plumbing and heating, J. Atkinson. M. Pope is employed by H. Graham as clerk of works.

### BIDS.

WINDSOR, ONT.—A committee of the council opened tenders last week for supply of stone for macadam pavements from quarry companies situated at Cleveland, Sault Ste. Marie, Peter Island, Hamilton and Hagersville. It is reported that the tender of the Hagersville Co. will be recommended for acceptance.

### PAPERING CEILINGS.

One of the supposedly most difficult parts of paperhanging, but which is really most easy of execution, is the papering of ceilings. After the art is once mastered the paperhanger would rather do ceiling work than any other.

The first step, of course, is to measure the length and width of the ceiling. As a rule, the paper should be hung across the room (with the width), and the first piece should be hung near the light. The paperhanger should only cut about two lengths of paper at a time when cutting for ceiling work, as owing to the great length of paper required to cover a ceiling in proportion to that required to cover a

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wall, it is apt to become damaged if allowed to drag about the floor while moving the scaffolding during the progress of the work.

In pasting these long lengths of ceiling paper it requires considerable skill to do so without tearing or otherwise hurting the paper. The best way to paste a long piece of paper is as follows: We will say that the paper is 14 ft. long and that the pasting table is 6 ft. long. Place the paper upon the table so that 4 ft. hang over each end of the board. After pasting the 6 ft. which is upon the table, pull the paper to the right, so that the 4 ft. on the left will be in position to be pasted. When this is pasted, it is then in order to fold part of the length, which is done by taking hold of the two corners of the end just pasted (on the left) and pulling the former 6 ft. which was first pasted back upon the table. Then the end of which you have hold should be quickly laid over until it reaches the end of the board, thus making a fold of 5 ft., leaving only 4 ft. to be pasted, which, when folded, will only be 2 ft. in length. This takes

much longer to describe than it does in the actual work.

After it is properly folded as herein described, it should then be prepared for trimming. In trimming these pieces of paper which we have been using as an illustration, it will be necessary to make a double fold on one end, owing to the fact that when folded it measured 7 ft., while the board is only 6 ft. in length. This is very easily accomplished by simply carrying over the right hand end about 2 ft. If the knife is properly sharpened upon the emery cloth it will not be difficult to cut through the four-ply which will necessarily result from this method of folding. The method of trimming for ceiling paper is the same as for wall paper.

Having satisfactorily folded and trimmed the paper, the paperhanger will proceed to hang it upon the ceiling in the following manner: Place the folded piece of paper upon the right arm, with the longest fold facing the body. Also have in the right hand a roll or half a roll of paper, so pasted on the end that it will not unravel while being used as a guide for hanging the paper. While thus equipped, and with the left hand disengaged, the paperhanger mounts the scaffold.

He then unfastens the end of the paper on the longest fold, and lays the whole length upon the plank (making sure that the latter is thoroughly cleaned before doing so), still keeping hold of the ends of the paper which he first unfastened. He then takes the roll of paper which he has in his right hand and places it under the length of paper as far from him as he can comfortably reach (about 3 ft.), and lifts the paper from the plank, with it guiding the paper, while at the same time holding it. (While this is going on the paperhanger has his back to the light.) The left hand fastens the paper in the corner of the ceiling at the left, and the right hand guides it to the edge of the wall with the half roll of paper.

When this is satisfactorily adjusted, the sweep brush or smoothing roller is taken from the apron pocket and smooths the paper on to the ceiling progressively, using the roll of paper before mentioned all the time as a guide until the second fold of paper is reached, when the left hand unfastens the fold; the paper is then brushed to the end. This procedure is followed to the end of the ceiling.

The greatest care is necessary to guide the paper straight, so that the pattern will match perfectly as well on the last piece as it did on the first.

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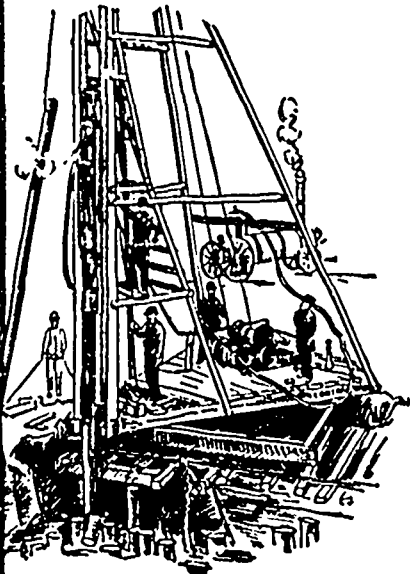
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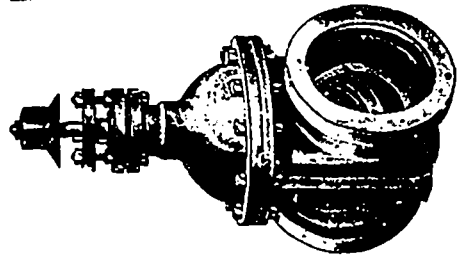
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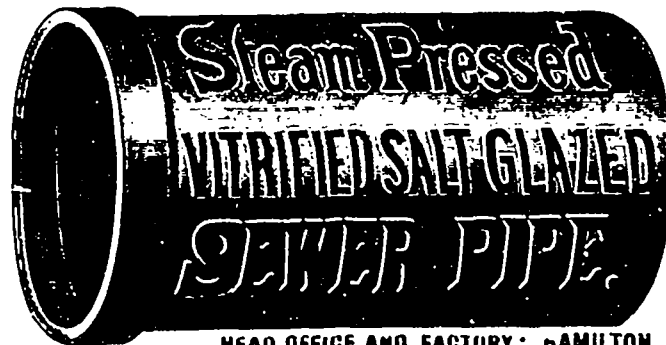
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# MUNICIPAL DEPARTMENT

## LAYING OF ASPHALT PAVEMENT.

TORONTO, Nov. 1st, 1899.

EDITOR CONTRACT RECORD:

DEAR SIR,—In your issue for this week you characterize the laying of asphalt pavement with "binder coat" as a "new system." It may be new to Ottawa, but it certainly will be news to asphalt paving companies to learn that it is any departure from past practice. The Barber Company laid 24,000 square yards in London, Ont., some four years ago in the same way, and it had been their practice for some time.

Yours truly,

W. T. ASHBURIDGE.

## LEGAL DECISIONS AFFECTING MUNICIPALITIES.

Mr. Justice Falconbridge, in the case of Ricketts against the town of Markdale, gave a decision of the utmost importance to municipal corporations. Judgment was in regard to an action tried at Owen Sound brought to recover damages for loss occasioned to plaintiff owing to the death of his child, under 21 years of age, while playing on the highway. The court finds all the facts in issue in the plaintiff's favour, and assesses damages of \$450, but finds himself, in the absence of English or Canadian authority, obliged to follow the proposition of law laid down in some of the United States, viz: "Little children using a highway merely for play purposes are putting it to a use for which it was not intended, and cannot recover for damages due to defects or obstructions." The American causes supporting the foregoing proposition seem to be founded on a condition of law as to municipal liability similar to that existing in Ontario. This ground is a complete defence to the present action, and defendants must, therefore, pay the costs to the third party brought in for their protection. Judgment accordingly and dismissing action without costs. Stay for thirty days.

The Town of St. Louis (defendant in court below), appellant, and Kinsella (plaintiff in court below), respondent. This was an appeal from a judgment which condemned the appellant to pay the sum of \$550 damages. The respondent alleged in his declaration that on or about the 19th October, 1897, about 6 o'clock in the afternoon, he was driving a pair of valuable horses, attached to a carriage, in the town of St. Louis; that on reaching the vicinity of what is known as Charbonneau's Mill, on St. Lawrence street, in the town of St. Louis, the horses came into contact with a pile of lumber which there obstructed the public road, became unmanageable, and ran away, overturning the carriage and throwing respondent violently to the ground, the result being that he sustained serious bodily injuries, for which and the

injury to horses and vehicle, respondent claimed \$900 damages. The appellant pleaded in substance non-responsibility, and that it was in no way responsible for the accident complained of. The court below held that the respondent had proved the allegations of his declaration, and more especially that the accident was due to the fault and negligence of the appellant; that a certain quantity of lumber had been left and laid down partly on Charbonneau's property, and partly on the public road, thereby obstructing the same. The court held that a municipal corporation is bound to keep roads and streets under its control free from obstructions, and likewise bound to indicate dangerous places and warn the public of such danger and obstructions. Judgment was rendered against the appellant in the court below for \$550. In appeal the court held that the judgment was erroneous and must be reversed. The facts were that on the 19th October, 1898, Madame Charbonneau was the owner of a mill on the west side of St. Lawrence street, in the town St. Louis. One Claude had, during the afternoon of the 19th October, carted planks from the Canadian Pacific Railway Station to the Charbonneau mill. His loads of planks were deposited on the sidewalk opposite the factory. At the third trip, the foreman told him to deposit the load in the same way on the sidewalk. Claude was returning with his last load of planks about 6.30 p.m. He backed to the sidewalk and deposited a load of planks one inch thick by 12 feet long. A length of 5 feet of these planks remained on the sidewalk, and the rest on the street side. Claude affirmed that at this moment the electric lights at the corner of the Pacific and Lorette streets

were lit, and were giving light as far as the Charbonneau factory, so as to light perfectly the sidewalk of street, and to permit every body who wished to see the planks deposited on the sidewalk and the edge of the road. The court in appeal came to the conclusion that there was no proof of any negligence or fault imputable to the appellant, and the judgment was therefore reversed, and the action dismissed.

The temperature of calcination of Portland cement was recently investigated by Mr. R. Feret at the Boulogne-sur-Mer plant in the following manner, according to the "Bulletin" of the Society for the Encouragement of National Industry. Bars of hard steel up to 31 inches in length were imbedded in the contents of continuous kilns, which were known to work regularly and to yield cement clinker of normal quality, and in every case the steel vanished. A bar of square iron placed in the same kiln was found to have been melted away for about three-quarters of its length. Two bars of the same iron each 6½ feet in length, were placed vertically in a Hoffmann cement kiln, in two different places in the middle of the brick of cement material, and a certain distance away from the feeding holes, serving for the introduction of the fuel. After the calcination was completed only about half of each bar was found. For various reasons it may be assumed that the temperature needed to produce cement clinker is above that of the melting point of steel, and corresponds very closely with that of wrought iron, viz., 1600° C. It results from these experiments that a trial kiln for the study of cement mixtures should be capable of readily reaching a temperature of 1800° C., because the pure mixture would be devoid of the fluxes commonly present in the materials generally used for cement.



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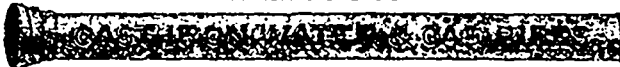
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		70

### CREDIT VALLEY STONE.

Rubble, per car or 14 tons.....	7 00	
Brown Coursing, up to 10 in., per sup. yard.....	1 50 to 1 75	
Brown Dimension, per cub. ft.	60	
Grey Coursing, per sup. yard	1 00	
Grey Dimension per cub. ft.	45	
		5 00
		2 00
		18

### SLATE.

Roofing (W square).	Toronto.	Montreal.
" red.....	17 50	20 00
" purple.....	8 50	10 00
" unfading green.....	8 50	7 00 5 00
" black.....	7 50	6 50
Terra Cotta Tile, per sq.....	20 00	25 00
Ornamental Black Slate Roofing.....	8 80	6 80

### CEMENT, LIMK, etc.

Portland Cements -			
German per bbl.....	2 90	3 10	2 55 2 65
London.....	2 95	3 00	2 25 2 45
Newcastle.....	2 70	3 00	1 95 2 10
"Jowen Bra Portland.....	3 04	3 25	2 70 2 80
"Dyckerhoff.....	3 05	3 25	2 75 2 90
North's "Condor".....	3 05	3 10	2 65 2 80
English, artificial, per bbl.....	2 85	3 00	2 35 2 45
Belgian, natural, per bbl.....	2 50	2 75	2 00 2 20
Canadian, artificial, ".....	2 85	3 20	2 60 2 70
Roman.....			2 20 2 25
Parian.....	5 25	5 25	5 75 5 75
Superfine.....	1 25	7 00	8 25 9 00
"Karlstadt" (German).....	3 05	3 25	2 75 2 90
"Germania" (German).....	3 25	3 25	2 75 2 90
"Rooster" (Belgian).....			2 15 2 20
"Keyston" (Belgian).....			2 05 2 20
"A. vi" (Belgian).....			1 95 2 05
"Burham" (English).....	2 95	3 00	2 25 2 45
Hydraulic Cements -			
Thorold, per bbl.....	1 50		1 65
Queenston, ".....	1 50	1 50	1 60
Napanoc, ".....	1 50		1 50
Hull, ".....	1 50		1 50
Ontario, ".....	1 25		

Keene's Coarse "Whites".....	5 50	6 00	5 00	5 50
Fire Bricks, Newcastle, per M	30 00	35 00	16 00	21 00
" Scotch.....	30 00	35 00	19 00	21 00
Lime, 100 lbs., Grey.....			25	
" " White.....			20	
Plaster, Calcined, N. H.....			2 00	
" " N. S.....			2 00	
Hair, Plasterers', per bag.....	80	1 00		

### HARDWARE.

The following are the quotations to builders for cut at Toronto and Montreal:

Cut nails, 5d & 6d, per keg	2 50
Steel " " " "	2 60

### CUT NAILS, FENCE AND CUT SPIKES.

40d, hot cut, per 100 lbs.....	2 60
10 to 12d, hot cut.....	2 35
8d, 9d, " ".....	2 40
6d, 7d, " ".....	2 15
4d to 5d, " ".....	2 05
3d, " ".....	2 00
2d, " ".....	3 25

Cut spikes, 10c per keg advance.  
Steel Nails, 1cc. per cent extra.  
Wire nails, 3-4 base price.

<b>Iron Pipe:</b>	
Iron pipe, 1/2 inch, per foot.....	6c.
" " 3/4 " " ".....	7
" " 1 " " ".....	8 1/2
" " 1 1/2 " " ".....	12
" " 2 " " ".....	17 1/2
" " 2 1/2 " " ".....	24
" " 3 " " ".....	30
" " 3 1/2 " " ".....	43
Toronto, 65 per cent. discount. Montreal, 70 per cent. discount.	

<b>Lead Pipe:</b>	
Lead pipe, per lb.....	7c. } 25 per cent.
Waste pipe, per lb.....	7 1/2 } cent.

<b>Galvanized Iron:</b>	
Adam's-Mar's Best and Queen's Head and Opolis	
16 to 24 gauge, per lb.....	4 1/2c. 4 1/2c.
26 gauge, " ".....	4 3/4 5
28 " ".....	5 3/4 5
Gordon Crown—	
16 to 24 gauge, per lb.....	4 1/2 4 1/2
26 gauge, " ".....	4 3/4 4 3/4
28 " ".....	5 3/4 5 3/4
Note.—Cheaper grades about 1/2c. per lb. less.	

<b>Structural Iron:</b>	
Steel Beams, per 100 lbs.....	2 75
" channels, ".....	2 85
" angles, ".....	2 50
" tees, ".....	2 80
" plates, ".....	2 35
Sheared steel bridge plate.....	