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THE CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF
PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • AND MUNICIPAL PROGRESS

EVERY THURSDAY

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. 7.

FEBRUARY 6, 1896

No. 1.

THE CANADIAN CONTRACT RECORD,

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Advertising Rates on application.

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SEALED TENDERS

Addressed to James Goldie, Esq., Chairman General Hospital Board, Guelph, will be received up to 12 o'clock, noon, on FRIDAY, FEBRUARY 21ST, for the erection of a

WING TO THE GENERAL HOSPITAL, GUELPH.

The plans and specifications may be seen at the office of Messrs. Curry, Baker & Co., 70 Victoria St., Toronto, and at the office of the Secretary of the Board, Guelph.

The lowest or any tender not necessarily accepted.

CURRY, BAKER & CO., Architects,
70 Victoria St., Toronto.



NOTICE TO CONTRACTORS

Tenders will be received by registered post only, addressed to the City Engineer, Toronto, up to 11 o'clock a. m. on SATURDAY, 22ND FEBRUARY, 1896, for the construction of the following works:

CONCRETE SIDEWALKS

On leader Lane, both sides, from Wellington Street to Colborne Street.

On Terauley Street, west side, from Louisa Street to a point 93 feet 4 inches north.

On Louisa Street, north side, from Terauley Street to a point 60 feet west.

ASPHALT PAVEMENT

On lanes between Adelaide Street and Temperance Street.

Specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto, on and after Saturday, 8th February, 1896.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 5 per cent. on the value of the work tendered for up to \$1,000 and 2½ per cent. on the value of the work tendered for over that amount, must accompany each and every tender, otherwise they will not be entertained.

Tenders must bear the bona fide signatures of the contractor and his sureties, or they will be ruled out as informal.

Lowest or any tender not necessarily accepted.

DANIEL LAMB,
Chairman Committee on Works.

Toronto, Feb. 3rd, 1896.

WANTED

GOOD TRANSIT, with 5-inch vernier plate and vertical circle. Address, "TRANSIT," CONTRACT RECORD Office.



NOTICE TO CONTRACTORS

Tenders will be received by registered post only, addressed to the City Engineer, Toronto, up to 11 o'clock a. m. of SATURDAY, THE 15TH OF FEBRUARY, 1896, for the supply and delivery of

2350 Feet of Steel or Cast Iron Pipe,

6 feet in diameter, with the necessary flexible joints. Specifications and plans may be seen at the office of the City Engineer, Toronto, on and after Wednesday, the 11th inst.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 2½ per cent. on the value of the work tendered for, must accompany each and every tender, otherwise they will not be entertained.

Tenders must bear the bona fide signatures of the contractor and his sureties or they will be ruled out as informal.

Lowest or any tender not necessarily accepted.

DANIEL LAMB,
Chairman Committee on Works.

Toronto, Dec. 3rd, 1895.



Tenders for Pumping Engine

Notice is hereby given that sealed tenders addressed to the Chairman of the Board of Administration, and endorsed "Tender for Pumping Engine," will be received by registered post, only, up to the hour of eleven o'clock, a. m., on THURSDAY, 27TH FEBRUARY, instant, for one

COMPOUND DUPLEX PUMPING ENGINE

having a daily capacity of 500,000 imperial gallons, with independent condenser and necessary boiler, the whole to be set up on foundations provided by the city, and delivered in working order as per plans and specifications which may be seen at the office of the City Engineer, on and after Monday, next, the 10th February, inst.

A deposit, cash or marked cheque, payable to the order of the City Treasurer, equal to 2½ per cent. of the amount of the contract (which will be returned to the unsuccessful tenderers as soon as the contract is awarded, and to the successful tenderer upon the proper execution of the contract by himself and his sureties) must accompany each tender or the same will not be entertained. Each tender must bear the signatures of two satisfactory sureties, who will be required to sign a bond for the proper fulfilment of the contract.

The lowest or any tender not necessarily accepted.

DANIEL LAMB,
Chairman Committee on Works.

City Hall, Toronto, 3rd February, 1896.

The cement works at Hull, Que., will again be operated by the Messrs. Wright, if the city will grant exemption from taxation for ten years.

CONTRACTS OPEN.

STANSTEAD JUNCTION, QUE.—The Baptists will erect a new church.

INNISFALL, MAN.—The Methodists propose building a brick church.

RENFREW, ONT.—The Methodists will erect a new building to cost \$8,000.

EAST LAKE, ONT.—Joseph Davitt is making preparations to build a residence.

SMITHS FALLS, ONT.—James Murray proposes erecting a brick house in the spring.

HAVELOCK, ONT.—A new church will be built shortly. Rev. H. McQuade is pastor.

MASSON, ONT.—The estate of James McLaren will build at once an extensive dock for shipping purposes.

VANCOUVER, B. C.—W. Blackmore, architect, is taking tenders for a stone and brick block on Cordova street.

WELLAND, ONT.—Tenders will be received by F. H. Ingram until the 10th inst. for building a frame school house.

HENSALL, ONT.—Daniel Stewart will receive tenders until the 7th inst. for the erection of a two-story brick residence.

DICKINSON'S LANDING, ONT.—C. S. Baker will receive tenders until the 14th inst., for erecting a frame building, 30 x 60 feet.

PASPEBIAC, QUE.—An engineer has been ascertaining the possibility of making a harbor of refuge or a winter port at this place.

SHERBROOKE, QUE.—The corporation have offered a site near the G. T. R. station, for the locomotive shops of the Quebec Central railway.

KING'S CITY, ONT.—Charles Patterson, clerk, will receive tenders until the 28th inst., for the supply of two thousand feet of 4 inch plank, 16 feet long.

ST. GILLES DE LOTBINERE, QUE.—F. Dion is preparing plans for a church for the county of Portneuf. Tenders will be called for during the summer.

CHATHAM, ONT.—The proposal to build an electric railway is being pushed. Engineers will make a preliminary survey of the route during the present week.

VICTORIA, B. C.—Wilson & Campbell, representing a syndicate, will apply for incorporation of a company to build a railway from Pentiction to Cascade City.

PORT ARTHUR, ONT.—Mr. S. H. Janes, of Toronto, has recently been in town in connection with the proposed water power development and the erection of a pulp mill.

STRATFORD, ONT.—The county council have appointed a committee to report on the question of establishing a poor house. They will visit sites, secure plans, etc. The cost is placed at \$16,000.

KINGSTON, ONT.—Steps are being taken by the city council to petition the Dominion government to erect a new drill shed. The cost is estimated at \$30,000.

—The Waterworks Committee will request the City Council to erect a new building for storage purposes.

FREDERICTON, N. B.—Mr. Willis Chipman, C. E., of Toronto, has presented his report on a proposed sewerage system for the town. The cost is estimated at \$80,000 for eight miles of pipe, and serving a population of 15,000.

LONDON, ONT.—The trustees of the Southern Congregational church have been granted a building permit for a brick edifice on Horton street, between Maitland and Burwell streets, to cost \$5,000.—George Brady is about to erect a residence, corner Talbot and John streets.

ALEXANDRIA, ONT. The specifications for work on the dome and wing of the new Dominion reformatory have been completed. The amount which will be available for the work this year will be \$50,000. The building, when completed, will have four wings and accommodation for 1,200 persons.

CHARLOTTETOWN, P. E. I.—Tenders are invited by Steven T. Whitty, at the Episcopal Residence, until Saturday, the 14th of March, for the erection of a Roman Catholic church at this place, from plans prepared by F. X. Berlinquet, architect, of Quebec, and which may be seen at his office in Quebec and at the Episcopal Residence here. The work will cost upwards of \$100,000.

HAMILTON, ONT.—Mr. Patterson, architect, is preparing plans for a new hotel to be built near the smelting works. It will be three stories high and 60 x 70 feet in size.—The directors of the Hamilton, Grimsby and Beamsville railway are negotiating with the Grimsby council for the extension of the line to Beamsville.—Engineers last week inspected the route by which it is proposed to divert the sewerage from the east end sewer. Starting at Wentworth street, a second-class brick sewer will be carried along Shaw street to Victoria ave., and thence westerly to the Ferguson ave. flume. The cost will be in the neighborhood of \$40,000.

HALIFAX, N. S.—The Dominion estimates contain the following appropriations for the Maritime provinces: \$30,500 for increased accommodation at Moncton; \$20,000 for extension to deep water at North Sydney; \$105,000 for increased accommodation at Halifax; \$20,000 for the Dartmouth branch; \$5,000 for increased accommodation at Pictou; \$1,000 for a freight shed at Truro; Halifax drill hall, \$100,000; to complete the Lunenburg post office, \$1,000; maritime provinces generally, Dominion public buildings, repairs, etc., lump sum, \$10,000. Harbors and rivers Digby pier, \$2,800, extension of wharf at Georgeville, \$3,000; Grand Etang, \$5,000; wharf at Seaside, \$2,000; general repairs to piers and breakwaters, Prince Edward Island—Extension of pier at Keir's shore, \$2,500, reconstruction of breakwater, Knight's point, Souris, \$37,500; wharf at Burnt Church, N. B., \$2,000; new wharf, Gardiner's Creek, \$3,150; Negro Point breakwater, \$20,000; River St. John, including tributaries, \$16,000; repairs and improvement to harbors and river works, \$10,000.—Plans have been prepared for a new engine house, to cost \$5,000, and tenders will be asked at once.

TORONTO, ONT. The management committee of the school board will probably discuss the question of new buildings at their next meeting.—Alderman Davies is moving for the appointment of a committee from the Board of Trade to cooperate with the city council in an interview with the Dominion government, urging the necessity of commencing work at once on the Nipissing and James Bay railway.—The recommendation for a 12-inch tile sewer on Manchester avenue has been referred to the Medical Health Officer for a report.—The authorities of

the House of Industry have requested a grant of \$35,000 from the city council for building improvements. The matter has been referred to a special committee.—The report of Mr. Mansergh, C. E., on the Toronto water works is expected to be received next week.—The City Engineer will advertise at once for a pump having a daily capacity of 500,000 gallons, for the new Island water works.—The Separate School Board has been requested to erect a new school for St. Peter's parish. The petition has been referred to the Committee on Sites and Buildings for a report.—A building permit has been granted to the T. Eaton Co. for a 3-story bk. addition to warehouse, s. e. cor. James and Albert streets, to cost \$10,000.

MONTREAL, QUE.—Michael S. Foley will build a new hotel at No. 56 and 58 Metcalf street. The building will have a frontage of 112 feet, will contain 75 rooms, and will be four storeys high.—The following appropriations for public works in Quebec are contained in the Dominion estimates. Beauharnois canal, dredging at upper entrance, \$5,000; replacing coping stone on nine locks, \$1,600; charging circuit of telephone, \$800; Chambly canal, rubble walls along highway, \$2,500; rebuilding abutment and lock 8, \$4,000; gravel bank of canal, \$1,500; to purchase land and build shed and fence, \$1,000; to build culvert under canal at St. John's, \$6,000; Grenville canal, for set of spare lock gates, \$2,900, Richmond public buildings, to complete, \$14,000; Rimouski public buildings, to complete, \$10,000; St. Vincent de Paul penitentiary, \$7,000; harbors and rivers, Ancy a l'eau, \$1,500; Baie St. Paul, to complete wharf at Point aux Corbeaux, \$2,500; Etang du Nord, repairs, \$1,000; Grande river, \$2,000; general repairs, \$10,000; Philipsburg pier, \$1,000; piers, lake St. John, \$2,500; River Richelieu, pier in Bolcail channel, \$3,000; River St. Maurice, \$5,000; St. Jean d'Orleans, \$400; dredging for Quebec and Ontario, \$40,000.

WINNIPEG, MAN.—It is said to be the intention of W. S. Adams, who owns saw mills at Pine Falls, to build an electric railway from Darwin, on the C. P. R., to the Winnipeg river, a distance of twelve miles, and to use the water power for running the mills and supplying electricity for the line.—A scheme is said to be on foot to form a private company to improve the navigation of the Red river between Winnipeg and Lake Winnipeg. Mr. T. C. Livingstone has recently interviewed the Dominion Government regarding the work, which, it is estimated, will cost from \$500,000 to \$1,500,000.—General Superintendent Whyte, of the C. P. R. has stated that the western division of the road will be steadily improved, but there will be little new building or construction done. A new flour warehouse 500 feet long, about the size of the freight sheds there, will be built at Fort William, but the extension of the large elevators there, reported as likely to be gone on with, will not be constructed until next fall.—A new station will be built at Keewatin to replace the one destroyed by fire last year.—The Dominion estimates brought down last week contain the following sums for public works in province of Manitoba: \$20,000 for Portage la Prairie post-office; \$3,600 to complete Brandon industrial school; \$11,200 to provide public buildings in the territories, of which \$5,000 is for Prince Albert jail and court house; \$6,500 for wharves on Lake Winnipeg; \$3,000 for general repairs and improvements in Manitoba and \$5,000 in Territories; dredging in Manitoba, \$8,000; bridge across the Saskatchewan at Edmonton, \$25,000; for containing artesian boring in the Territories, \$7,000.—The Exhibition Association are asking the city council for a loan of \$30,000 to erect new buildings.

OTTAWA, ONT.—Hayter Reed, Dep. Superintendent General of Indian Affairs,

will receive tenders until the 17th inst. for constructing a trestle bridge over the Congua Creek, Maniwaki reserve, Que.—The Lindsay, Haliburton & Mattawa Railway Company are requesting a bonus from the Dominion government.—The appropriations for canals for 1896 contained in the Dominion estimates are as follows. Soulanges, construction, \$800,000; Cornwall, enlargement, \$185,000; Rapid Plate, enlargement, \$170,000; Galops, enlargement, \$250,000; St. Lawrence river and canals, north channel and surveys, \$20,000, Murray canal equipment, \$5,000, Trent construction, \$500,000; Sault Ste Marie, construction and equipment, \$44,000; Lachine, \$238,000; Lake St. Louis channel, straightening and deepening, \$95,000; Grenville, enlargement, \$90,000, Welland, improvements, \$5,000; Welland, land damages, Grand river, \$3,000.—A deputation from the city has requested the Dominion government to construct a new bridge over the canal at Marie street. It is believed the government will undertake the work.—A large deputation last week interviewed the government urging a grant towards the proposed interprovincial bridge over the Ottawa river. The total cost of the bridge is \$750,000. Ottawa has contributed \$150,000, the Ontario government, \$50,000, and an equal sum is expected from Quebec. The Dominion government is asked to grant \$250,000.—The directors of the Central Canada Fair have decided to raise \$40,000 by mortgage for the proposed improvements at Lansdowne Park.—A Belleville party, with whom is associated Mr. Beauvis, has taken out a permit for the erection of a building on Elgin street, two storeys high, to cost \$2,000.—Tenders are invited by Mr. Surtees, city engineer, until the 7th inst., for the supply of 600 tonne lime stone.—The plans for the second section of the Lakefield-Peterborough division of the Trent Valley canal, between Nassau and Little Lake, are now prepared and tenders will be called for in a few days.

FIRES.

A building at Trenton, Ont., owned by the Midland Loan & Savings Co., was destroyed by fire on the 3rd inst. Damage to building, \$1,500.—The Island City Paint and Varnish Works on St. Patrick street, Montreal, have been entirely destroyed by fire. The building was valued at \$20,000.—The dry goods store of L. O. Rumans, at Brampton, Ont., was recently damaged to the extent of \$15,000. The building will be rebuilt.—A residence at Strathroy, Ont., owned by John Wilkinson, has been burned.—C. B. Williams' planing mill at 103 Ontario street, Toronto, was destroyed by fire last week; partially insured.—A new house on Union street, Kingston, owned by J. Giddon, was burned on the 27th ult.; insurance, \$2,000.—The stove and hardware establishment of John C. Clark, Berwick, N.S., has been burned. Loss \$4,000; small insurance.—The residence of George Jackson, at Downsview, Ont., was recently destroyed by fire. Loss, \$4,000; insurance, \$1,500.—The Union Hotel at Trenton, Ont., owned by J. Rupert, has been damaged by fire. Loss covered by insurance.—The asylum at Beauport, Que., was partially destroyed by fire on the 4th inst. Insurance on building \$100,000.

CONTRACTS AWARDED.

VICTORIA, B. C.—The contract for a villa residence on St. Charles street has been awarded to Thomas Cauterall.

BLYTH, ONT.—The contractors for the new school here are Henry Stevens, of Clinton, and Robert Howard, of this town.

KINGSTON, ONT.—W. J. Chapman has been awarded the contract for remodeling

the store at present occupied by C. Van-arnam.

QUEBEC, QUE.—Messrs. O. Gignac & Son have received the contract from Mr. Henry Menier, of Paris, France, for the erection of a dozen wooden cottages on Anticosti Island for the use of French colonists.

SOUTH WOODSLEE, ONT.—John Murray & Son have given the contract of building their new flour mill to John Wortley, of Essex. The machinery will be supplied by Goldie & McCulloch, of Galt.

OTTAWA, ONT.—The trustees of McLeod street Methodist church have accepted the tender of Mr. James Strachan for the erection of a new church to cost \$25,000. The building will be of limestone and have seating capacity for 900 persons.

MONTREAL, QUE.—M. W. McLea Walbank, architect, has awarded contracts as follows: additions to factory on St. Chas. Borromée st. for Wm. Beck, to A. Strang, new store front on Notre Dame street, for the Estate Stephens, to Beckham & Scott.

SARNIA, ONT.—Forty-two tenders for the building and twelve for the steam heating of the House of Refuge were received by the County Council. The block tender of Macbeth Bros., of Strathroy, for the building at \$10,965, and that of W. J. Barry, of Sarnia, for steam heating at \$1,496, have been recommended for acceptance.

TORONTO, ONT.—Purdy, Mansell & Mashinter, of this city, have been awarded the contract for heating by steam the Huffman hotel at Peterboro.—Tenders for the erection of buildings on the Yonge street wharf have been awarded as follows: Building No. 1, William Moss, \$1,795; No. 2, Medler & Arnott, \$1,321; No. 3, William Moss, \$1,300.

LONDON, ONT.—Tenders for the Kettle Creek bridge, between Westminster & Yarmouth, were received by the board of the London and Port Stanley railway as follows: abutments, Geo. Ponsford, \$599; D. Carmichael and B. Locke, \$832.40; steel structure, Central Bridge Co., \$398.89; Hamilton Co., \$374; Dominion Co., \$572. The Board have recommended the acceptance of the Central Bridge Co. and Geo. Ponsford's tenders.

NEW COMPANIES.

MARYSVILLE, N. B.—Gibson Foundry & Machine Co., seeking incorporation; capital, \$20,000. Applicants, Alexander Gibson, of Marysville, J. McAfee, of St. John, P. A. Lofan, of Gibson and others.

SELKIRK, MAN.—Selkirk Transportation & Cold Storage Co., seeking incorporation; capital, \$50,000; objects, the erection of chemical freezing plants and the transportation of freights, merchandise, etc. Applicants, William Robinson, A. E. Richards and others.

MONTREAL, QUE.—Montreal Electric Light Co., seeking incorporation; capital stock, \$200,000. Promoters, Louis Tourville, M. L. C., Arthur Caron, O. Marin, Joseph M. Fournier and R. Tourville.—Imperial Nail Making Machine Co., applying for incorporation; capital, \$500,000. Applicants, H. S. Holt, David Burke, J. P. Stearns and others.

BUSINESS NOTES.

Perry & Turner, contractors, Victoria, B. C., are reported to be in financial difficulties.

It is stated that the sale of the St. Johns Stone Chinaware Company to the syndicate in Paris, France, has finally been concluded by Count de Bouthillier, for \$125,000. It is understood that the purchasers will take possession at once, and be ready to manufacture in the spring.

BILL TO SECURE THE WAGES OF WORKMEN ON PUBLIC WORKS.

Following are the provisions of Mr. McLennan's bill now before the Dominion Parliament for the above object. —

1. In case any contractor with Her Majesty, or any sub-contractor in the construction of any public work let under contract by Her Majesty, makes default in the payment of the wages of the labour done by any foreman, workman, labourer, or team employed in such work, providing a claim therefor is filed in the office of the minister entering into such contract on behalf of Her Majesty, not later than three months after the same becomes due, and satisfactory proof thereof is furnished, Her Majesty shall become liable for the payment of such claim to the extent of the amount of all moneys or securities in the hands of Her Majesty for securing the performance of the contract at the time of the said claim.

2. Her Majesty may demand that each contractor or sub-contractor shall, not later than the fifteenth day of each month, file in the office of the said minister, a list showing the names, rate of wages, amounts paid and amounts due and unpaid for wages or labor done by any foreman, workman, labourer or team employed by him during the previous month, and attested upon the oath or statutory declaration of such contractor or sub-contractor, or his authorized agent.

3. Every contractor or sub-contractor who, having received such demand, makes default in forwarding such list in accordance with the provisions of the next preceding section, shall incur a penalty not exceeding fifty dollars and not less than ten dollars, for every day during which such default continues; and the amount of such penalty shall be deducted out of the moneys in the hands of Her Majesty, deposited by, or owing to such contractor, and shall become vested in Her Majesty.

4. Every company incorporated by or receiving a cash subsidy from the parliament of Canada, shall be liable for the payment of the wages or labour done by any foreman, workman, labourer or team employed by any contractor with the company, or by any sub-contractor, in the construction of the works of the company, provided that a notice stating the claim in detail for such wages or labour is served upon the company not later than three

months after payment is due, and that such notice is followed up by the commencement of a suit in any court of competent jurisdiction for the collection thereof, within thirty days after the service of such notice.

5. The notice mentioned in the next preceding section, and any summons, notice, order, or other process required to be served upon the company for the prosecution of such suit, may be served on the president, vice-president, secretary, managing director, superintendent or engineer, or any recognized officer representing the company, or by leaving it with any adult person at the office or domicile of any of them.

6. Her Majesty may retain the whole or a sufficient portion of any subsidy granted to any company until all claims mentioned in the fourth section of this act, for wages or labour, are fully paid or satisfied; and in the event of any claim for wages or labour remaining thirty days unpaid after Her Majesty has received notice thereof, Her Majesty may, on sufficient proof that such claim is due and unpaid, pay it, and all proper costs and charges in connection therewith, out of such subsidy.

7. Any number of persons having similar claims for wages or labour against any company, contractor or sub-contractor, may consolidate their claims and institute a joint action for the recovery thereof.

USEFUL HINTS.

Good lime slacked with sour milk and diluted with water till it is about the consistency of ordinary whitewash, makes excellent coating for woodwork.

A good variety of staircase colours may be made from white, tinted with ultramarine, ochre and umber for "warm" greens; ultramarine, black and white for "cool" greys. By adding a little emerald green to the latter, we get "cool" greens.

HOUSES OF WOOD PULP.—You can build a house out of sheets of wood pulp now, if you incorporate sheet wire gauge in the material. It can be made waterproof, fireproof, coldproof and stronger than planking. Moreover the material can be made to represent almost any other material, and can be moulded into almost any shape. Great is wood pulp.—Paper Mill.

EUREKA



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STEAM PIPE and BOILER COVERING

Gives Dry Steam at long distances without loss of power.

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THE G. & J. BROWN MFG. CO.

Railway and Contractors' Plant.

BRIDGE BUILDERS

BELLEVILLE, ONT.

CANADIAN ALIEN LABOR LAW.

Following the precedent set by the United States, a bill has been introduced and has passed its second reading in the Dominion Parliament, to prohibit the importation and immigration of foreigners and aliens under contract or agreement to perform labor in Canada. The provisions of the bill, which are based upon those of the United States law, are as follows:—

1. From and after the passing of this act it shall be unlawful for any person, company, partnership or corporation, in any manner whatsoever, to prepay the transportation, or in any way assist or encourage the importation or immigration of any alien or aliens, any foreigner or foreigners into Canada, under contract or agreement, parole or special, express or implied, made previous to the importation or immigration of such alien or aliens, foreigner or foreigners, to perform labour or service of any kind in Canada.

2. All contracts or agreements, express or implied, parole or special, which may hereafter be made by and between any person, company, partnership or corporation, and any foreigner or foreigners, alien or aliens to perform labour or service, or having reference to the performance of labour or service by any person in Canada, previous to the immigration or importation of the person or persons whose labour or service is contracted for into Canada, shall be void and of no effect.

3. For every violation of any of the provisions of section one of this act, the person, partnership company or corporation violating the same by knowingly assisting, encouraging or soliciting the immigration or importation of any alien or aliens, foreigner or foreigners into Canada, to perform labour or service of any kind under contract or agreement, express or implied, parole or special, with such alien or aliens, foreigner or foreigners previous to becoming residents or citizens of Canada, shall forfeit and pay for every such offence the sum of one thousand dollars, which may be sued for and recovered by the Dominion of Canada, or any person who shall first bring his action therefor, including any such alien or foreigner who may be a party to any such contract or agreement, as debts of like amount are now recovered in any incompetent court of the Dominion of Canada, the proceeds to be paid into the hands of the Receiver General for the Dominion of Canada; and separate suits may be brought for each alien or foreigner being a party to such contract or agreement aforesaid, and it shall be the duty of the county attorney of the proper county to prosecute every such suit at the expense of the Dominion of Canada.

4. The master of any vessel who shall knowingly bring within the Dominion of Canada on any such vessel and land or permit to be landed from any foreign port or place any alien, labourer, mechanic or artizan who, previous to embarkation on such vessel, had entered into contract or agreement, parole or special, express or implied, to perform labour or service in the Dominion of Canada, shall be deemed guilty of a misdemeanor and on conviction thereof shall be punished by a fine of not

more than five hundred dollars for each and every such alien, labourer, mechanic or artizan so brought as aforesaid, and may also be imprisoned for a term not exceeding six months at hard labour.

5. Nothing in this act shall be so construed as to prevent any citizen or subject of any foreign country, temporarily residing in Canada, either in private or official capacity, from engaging, under contract or otherwise, persons not residents or citizens of Canada, to act as private secretaries, servants or domestics for such foreigner temporarily residing in Canada as aforesaid; nor shall this act be so construed as to prevent person or persons, partnership or corporation from engaging, under contract or agreement, skilled workmen in foreign countries to perform labour in Canada in or upon any new industry not at present established in Canada, provided that skilled labour for that purpose cannot otherwise be obtained; nor shall the provisions of this act apply to professional actors, artists, lecturers or singers, nor to persons employed as personal or domestic servants: Provided, that nothing in this Act shall be construed as prohibiting any individual from assisting any member of his family, or any relative

or personal friend, to migrate from a foreign country to Canada for the purpose of settlement here.

6. The collector of customs at any port in Canada, in case he shall be satisfied that an immigrant has been allowed to land in Canada contrary to the prohibition of this Act, shall cause such immigrant, within the period of one year after landing or entry, to be taken into custody and returned to the country from whence he came, at the expense of the owner of the migrating vessel, or, if entered from an adjoining country, at the expense of the person previously contracting for the services.

7. The Receiver General for the Dominion of Canada may pay to any informer who furnishes original information that the law has been violated such a share of the penalties recovered as he may deem reasonable and just, not exceeding fifty per centum, where it appears that the recovery was had in consequence of the information thus furnished.

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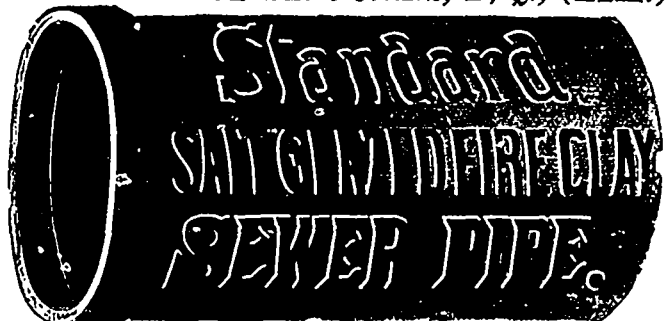
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MUNICIPAL DEPARTMENT

THE UP-BUILDING OF THE SMALL TOWN.*

BY FRED DE LAND.

Though we may not agree with the pessimistic side of the question Mr. Fletcher so ably presented in "The Doom of the Small Town," yet we must admit that he clearly pictured the silent tragedy which is being enacted in many towns and villages from whence the young, the hopeful, the more ambitious depart to seek more suitable abiding places, leaving the dullard, the ne'er-do-well, the rich-in-purse-but-poverty-struck-in-soul to rust on in unhelpful existence. And while citing many causes that may have led to present conditions his conclusion that "Whatever be the causes, unless tendencies be arrested, the future of the small town is extremely discouraging, and it is very doubtful whether any material change in existing conditions will soon occur," is not nearly correct.

But the question I propounded to myself while reading this article was: Has Mr. Fletcher shown us only one side of the shield and that the dark side? Is it not possible to gather statistics relating to small towns that would have shown a condition of prosperity in many, even though such a showing would rob the first portion of his paper of much of its gloom? For there is nothing new in villages being deserted for towns more favorably located or offering greater advantages to the inhabitants. Such movements in our country can be traced as far back as A. D. 1700.

The reverse side of the shield shows that never before have so many small towns enjoyed modern improvements that not only tend to make life better worth the living, but also to increase property values out of all proportion to original investment. In the very United States he mentions are towns of only six hundred, eight hundred and a thousand inhabitants with electrically lighted streets, with well kept roadways, and surrounded by that atmosphere of prosperity that attracts and invites the refined, the practical and the prosperous. In Michigan there are seventy-one incorporated cities varying in population from 237,837 (Detroit) to 746 (Gladwin), and in every city there is one or more electric lighting plants, which is not at all strange. But there are also 309 incorporated villages reporting a population in 1894 varying from 91 to 6,051. Of these 309 villages, nearly 100 have electrically lighted streets, though several reported a population considerably less than 1,000 souls. Compared with the census of 1890, the census of 1894 records a decrease in population in several towns and villages, but in no town of electrically lighted

streets was any decrease reported, while the growth in some of these electrically lighted towns is almost marvellous.

Speaking to a Michigan merchant on this subject, he replied that in his town of nearly 3,500 inhabitants the marked growth in population and in prosperity had its inception in the order of the village board directing that electric lights be employed in illuminating the streets at night. "Now the hanging of those big lamps in our streets has indirectly wrought as marvellous a change as often follows the placing of a new and attractive carpet in the reception room of the old homestead. Gradually the old style furniture is replaced by the modern and more attractive until finally the room is modernized throughout, is artistic and comfortable. So it was in our town. The arc lights gave us a taste of progressiveness and awoke a desire for other improvements. Later the main streets were all paved with asphalt or with brick, and additional lamps were placed at street corners. Then some old frame stores that had been a fire menace for years were torn down and a modern office building erected on the site. These improvements furnished our local editor with a subject to talk about, and soon the fame of our house cleaning had penetrated every hamlet in the state. That this fame brought its own rewards is shewn in the fact that we now have no less than seven factories, one of which employes 180 hands, and five large modern stores to say nothing of numerous small shops, two new school houses, three churches, while 583 new dwellings have been erected since the arc lamps were placed in circuit, and when I consider how remarkable are the changes that have been wrought, and how we might still be jogging along in the old way had the dozen oil lamps not been displaced by the big white lights, I feel very grateful for the wisdom and the forethought that ordered the expenditure that proved to be so profitable an outlay."

This is the homely illustration but thoroughly sensible and practical, and one that many a village resident might profitably ponder.

The author gives additional instances of like nature and then continues:

Surely it is more pleasant to read instances of this character than it is the despondent conclusions Mr. Fletcher has presented in The Forum. And it requires no vivid stretch of the imagination to conclude that just as satisfactory experiences might have been recorded in some of the Massachusetts towns that report such a marked decrease in population during the past ten years. The State census report just issued shows a loss in the ten years intervening between 1885 and 1895 in 140 towns and villages. The streets of some of these villages and towns have never been lighted with electric lamps, and the decrease in population reported in each ranges from 5 per cent. to 25 per cent., while, on the contrary, many other villages have advanced rapidly in population. Millis, for instance from 683 to 1,006, or an increase of 47 per cent. from the day that modern progressive methods predomi-

nated. Millis, it is needless to state, is a town of electric lighted streets. Then there is Dudley with a gain of 17 per cent. in population, and a dozen other electric lighted villages all showing marked gains, while their neighbors puttering along with dark streets had slowly degenerated.

THE DEFINITION OF ENGINEER.

A question was raised recently in Stratford, Ont., which has a good deal of professional interest attached to it. An assessment was made for a sewer on the local improvement plan by the city assessor alone, he being specially appointed by the Council to do so. Objection was taken to the assessment so made, and the matter found its way into the courts. The City Council based its rights on the definition used in the amended ditches and watercourses act of 1894. According to this definition "engineer" shall mean "civil engineer", Ontario land surveyor, or such person as any municipality may deem competent and appoint to carry out the provisions of this act. The judge held differently, declaring that a civil engineer should have been employed. The power given to a municipality under the ditches and watercourses act, the drainage act, and the municipal act of employing any person they may deem competent has led to much work being wrongly constructed, and when an engineer has been called in to straighten out matters the odium of the errors has usually been cast upon him. This decision will have a beneficial effect in promoting the employment of properly qualified professional men to look after the construction of public work in Ontario.

REPAIRING ASPHALT PAVEMENT.

The repairing of asphalt pavement is now effected in a satisfactory manner by a machine specially designed for the purpose and already adopted in several cities. It consists of a sheet-metal tank containing gasoline and mounted on a pair of wheels, so as to be easily moved from place to place. Behind the tank is a collection of burners, so arranged that when the vaporized gasoline is forced through them by means of a small air pump attached to the tank, the several jets of flame warm up the surface of the asphalt below them. The material becomes as soft as when first laid, and while in this condition enough of it is taken off from the injured portions by a hoe to secure a clean, fresh surface; on this the fresh asphalt is rammed and rolled, and as the old and new material is at about the same temperature when the tamping begins, it is found possible to weld the whole together into a homogeneous mass. Another advantage characterizing this method of repairs is that only the disintegrated portions of the old asphalt are removed, from half an inch to an inch in thickness, so that not only is less new material used, but the thin coating is more easily rolled and tamped and less likely to contract and leave a depression.

The Municipal Council has voted £40 in order that M. Mangin may study the question of the destruction of the trees in Paris streets from the emanations of the gas pipes laid down by the gas companies. The roots are attacked, and the trees perish.

* Abstract of paper read before the Northwestern Electrical Association, Milwaukee, Wis., January, 15-17 1896.

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Prices of Building Materials.

CONDITION OF THE MARKET.

TORONTO The spring trade has not yet commenced to move, and builders' supplies are consequently quiet. Some shipments of galvanized iron have been made during the week at fair prices. A fair number of import orders for glass are being booked, while paints and oils show a slight improvement.

MONTREAL: Business for the past week in builders' supplies has been dull in the extreme. A firm tone is reported in the glass market, which is about the only line in which sales of any size are being made. Small lots of fire-bricks have been sold at \$15 to \$21 per thousand. Higher prices for cement are announced from abroad.

LUMBER.

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Table listing lumber prices for various types of wood, including clear picks, pickings, and different grades of lumber, with prices in dollars and cents for both Toronto and Montreal.

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Toronto. Montreal.

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Table listing prices for Portland cements, including Belgian, Canadian, Roman, and Parian.

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Table listing prices for cut nails and steel.

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Table listing prices for cut nails, hot cut, and cold cut, in various sizes and quantities.

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Table listing prices for fine blued nails in various sizes.

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Table listing prices for casing and box nails, flooring nails, and shooK and tobacco box nails.

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Table listing prices for finishing nails in various sizes.

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Table listing prices for slating nails in various sizes.

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