CANADIAN

Contract Record

A Weekly Journal of Public Works, Tenders, Advance Information and Municipal Progress

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. 15.

TORONTO, MONTREAL AND WINNIPEG, SEPTEMBER 28, 1904

No. 33

THE CANADIAN CONTRACT RECORD

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TENDERS

Collegiate Institute Building

GALT, ONTARIO

Separate or lump tenders for the various tradea, addressed to Thomas Carscaddea, Secretary Colleg ate Institute Board, Galt, Ont. with Decreosed From the Property of the Prop

TENDERS WANTED Drainage Works

Tenders will be received by the undersigned up to 12 o'clock, noon, of the 3nD OF OCTOBER, 1904, for the construction of the Allen-Arcand Drainage Works, Townships of Mountain, South Gower and Osgoode.

The estimated number of yards of excavation is as follows:

Is as follows:

Allen Drain (Main) earth - 56,600 yards.

Allen Drain (Branch) earth - 3,175

Arcand Drain, carth - 1,4500

Bach tender must be accompanied by five percent, of the amount of tender, and satisfactory security furnished

The lowest or any tender not necessarily accepted, profile, etc., may be seen at the office of Dunna & Pullerton, engineers, Winchester, Ont., or at that of the Clerk.

S. LARUE, Reeve.

S. LARUE, Reeve, Mountain, Ont.

HUGH MARTIN, Clerk, Hallville, Ont. Mountain, September 19th, 1904.

FOR SALE

Sturtevant Fan Blower

Direct connected with double enclosed cylin der upright engine, with cylinder olier and 1½ Fitts valve. Specially adapted for Induced Draft System. An excellent, compact device, practically new and in perfect order.

THE IMPERIAL CEMENT CO., Limited, Owen Sound, Ont.

SEALED TENDERS

Will be received by the undersigned up to 10 o'clock, a. m., on TUESDAY, THE 18TH DAY OF OCTOBER, 1904, for \$35,000 Municipal Debentures of the Township of Woolwich, in the County of Waterloo, in twenty equal payments of \$1,805,00 including interest at 4½ per cent. No tender necessarily accepted.

JOHN L. WIDEMAN,
Township Clerk,
St. Jacobs, Ont.
All tenders must be sealed and marked

TENDERS FOR

Bealed Tenders will be received by the undersigned, up to OCTOBER 107M, at 5 p. m., for the installing of a hot water heating system in the West Ward School, in the Town of Midland, Plans and specifications may be seen at the office of the Secretary the three check equivalent of the Secretary the specific or the secretary the specific or the secretary the specific or the specific

THOS, I. TRUEMAN, Secy. P. S. Board.

THE BOARD OF EDUCATION

TORONTO

TENDERS WANTED

Sealed tenders addressed to the Secretary Treasurer of the Board will be received until

Thursday Noon, October 6, 1904

For the several works required.

For the Enlargement of Cottingham and Huron St. Schools and for New Building on Broadview Avenue.

Plans and specifications may be seen and all information obtained at the office of the Board of Education, City Hall, on and after Monday, the 26th inst. Each tender must be accompanied by the deposit mentioned in said specifications and forms of tender. The lowest or any tender will not necessarily be accepted.

L. S. LEVEE, W. C. WILKINSON, Chairman of Committee. Sec.-Treas.

ASPHALT

Monday, 3rd October

Contractors may tender for any brand of asphalt.

ORMSBY GRAYDON, City Engineer, Loudon, Ont.

CONTRACTS OPEN.

LUCAN, ONT .- A new church will be built by Trinity congregation.

GLACE BAY, N.S.—The site for a public building has just been chosen.

KAMLOOPS, B. C.-John T. Edwards purposes building a new store.

ROCKWOOD, ONT .- M. Wideman, of Guelph, will build several houses next

WELLESLEY, ONT.-Joseph Kennel has purchased a lot for building

NEEPAWA, MAN. -William Ross and R. G. Dunsmore will each erect a residence.

LION'S HEAD, ONT.—The English church congregation intend building a parsonage.

BAYFIELD, ONT .- The Methodist congregation are considering the erection of a new church.

CHESLEY, ONT. — The Grand Trunk Railway have decided to build a new station here.

ROSSLAND, B.C. -A movement is on foot looking to the improvement of the waterworks system.

ST. JOHNS, QUE. — The contract will be let this week for a large wharf for the Singer Manuíacturing Co.

MILLBANK, ONT.—The congrega-tion of Grace church intend building a new edifice, to cost about \$5,000.

FERNIE, B.C.-D. V. and A. J. Mott have been granted a franchise to install a

telephone system at this place.

DELORAINE, MAN.—The citizens last week carried a by-law to borrow

last week carried a by-law to borrow \$6,000 to purchase fire apparatus.

NELSON, B.C.—The Fraternal Order of Eagles have made arrangements to erect a new building here next spring.

BERLIN, ONT.—The Berlin & Waterloo Street Railway Co. have commenced work on their new power house and are about to let contracts for engines, boilers,

TORONTO JUNCTION, ONT. — J. B. Campbell will erect a pair of dwellings on Pacific avenue, to cost \$2,500.

WINDSOR MILLS, QUE. - The Hamilton Powder Co. contemplate the erection of a dam on the Wattapeka river.

FORT FRANCES, ONT.--It is stated that the Wells Hardware Co. will defer the building of their new block until next year.

FERGUS, ONT.—The by-law to loan \$2,500 to James Gow to increase his lime and rock business was defeated last week.

SAND POINT, ONT. — Church & Bro., of New York, have decided to post-pone the building of their heading mill until a later date.

SHERBROOKE, QUE.—David Galbrath, of this city, has purchased the Bolton Springs House, which will be considerably enlarged.

OWEN SOUND, ONT.—It is stated that the Carney Lumber Company are securing figures for the erection of a saw mill at this place.

ST. THOMAS, ONT.—The congregation of the First Methodist church have decided to secure a new parsonage either by building or by purchase.

WALKERVILLE, ONT. — The Grand Trunk Railway Company have secured options on several properties for the purpose of building a new station.

BURK'S FALLS, ONT.—It is understood that Joseph Hilliar intends building a new residence.—C. McArthur has commenced the erection of a residence.

NORTH SYDNEY, N.S.—The citizens have decided to borrow \$30,000 for the purpose of extending the waterworks and sewerage systems and \$5,000 for the marine slip.

BROCKVILLE, ONT.—It is reported that certain capitalists contemplate the utilization of the peat bogs north of the town for the purpose of generating electric energy.

SARNIA, ONT. — J. D. Stewart, Town Clerk, is this week taking tenders for the construction of a vitrified block pavement on Lochiel street and on the Market square.

PEMBROKE, ONT.—The County Council last week opened the second lot of tenders for \$15,000 of debentures, but none were satisfactory and no sale was effected.

LANARK, ONT.—The tenders received for erection of a bridge over the Clyde river were considered too high, and the Council will change the plan so as to reduce the cost.

MIDLAND, ONT.—Tenders for installing a hot water heating system in the West Ward school will be received by T.I.Trueman, Secretary Public School Board, up to October 10th.

REGINA, N.W.T.—Mr. Godwin purposes erecting a skating rink costing about \$7,000.—The School Board have appointed a committee to report on a suitable site for a new school building.

PORT ARTHUR, ONT. — A committee, consisting of George Horrigan, William Scott and W. Tennant, has been appointed to make arrangements for the erection of a large skating and curling rink.

MOOSE JAW, N. W. T.—The contract will likely be let this week for a heating plant and plumbing for the new city hall. The architect for the building is W. C. Albrant, of Fargo, North Dakota.

KINGSTON, ONT.—It is understood that plans are being prepared by the Department of Public Works, Ottawa, for the new barracks to be built in this city, which is estimated to cost \$700,000.

GRAND FORKS, B.C.—H. W. Warrington, superintendent of the Kettle Valley Railway, and a party of engineers, are laying out the proposed extension of the railway from this place to Spencer's Bridge, a distance of 300 miles.

RED DEER, N. W. T.—A by-law will be submitted to the ratepayers to issue debentures for the installation of a water works system for fire protection and domestic purposes.—The Baptists will build a new church to cost \$1,500.

AMHERSTBURG. ONT.—The bylaw to provide \$6,000 for installation of the new waterworks pump and other inprovements will be voted on October 18.—Henry Clay has purchased property on Sandwich street on which he will build.

PETERBORO, ONT.—By-laws were defated here last week to raise money to build a new fire hall and to rebuild certain bridges.—The new armory building to be built here will be designed after the London building and will cost about \$100.000.

FORT ERIE, ONT. — Charles D. Carrick has bought part of the lake shore front near the Niagara landing and will build a summer hotel and restaurant.—
The Ferry Company contemplate the erection of sheds and machine shops on Niagara street.

LEAMINGTON, ONT. — James Drummond, Reeve of Mersea, desires tendess by October 1st for removing and rebuilding the pump house flume, etc., in connection with the Point Pelee marsh drainage system. Plans by W. G. McGeorge, O.L.S.

DESERONTO, ONT.—Rev. P. J. Hartigan, of Napanee, desires tenders for building concrete foundation of priest's house adjacent to St. Vincent de Paul's church, this town, also bulk and separate tenders for building house next spring.

ST. CATHARINES, ONT. — L. K. Jones, Secretary Department Public Works, Ottawa, desires tenders by September 30th for sub-structure of new bridge crossing the Welland Canal at Niagara street. Plans at the office of the Superintending Engineer.

MORRISSEY, B. C. — The Deputy Commissioner of Lands and Works, Victoria, is asking for tenders up to October 6th for erection of a bridge across the Elk river at this place. Plans at the office of the Government Agent, Kamloops, and the Chief Constable, Fernie.

VICTORIA, B. C.—W. J. Dowler, City Clerk, will receive bids up to October 10th for purchase of \$12,497.20 local improvement detentures. — W. Northcott, purchasing agent for the city, will receive tenders up to October 31 for the supply of lead pipe and brass goods.

supply of lead pipe and brass goods.

MONCTON, N. B.—D. Pottinger,
manager Intercolonial Railway, will receive tenders up to October 6, for the
grading, etc., to widen the road-bed for
a double track between Rockingham
and Bedford, N. S., also for the construction of a double track diversion at Birch
Cove, N. S.

ALEXANDRIA, MAN.—John Fambuilding a steel bridge across the Assiniboine river north of Kennay; two central spans 110 feet each; two wing spans 60 feet each; one central concrete pier 30 feet high; three pile wing piers for main girders.

MOUNTAIN, ONT. — S. Larue, Reeve, will receive tenders up to October 3rd for construction of the Allen-Arcand drainage works in Townships of Mountain, South Gower and Osgoode. Approximate excavation, 74,000 yards. Plans

by Dunn & Fullerton, engineers, Winchester, Ont.

FREDERICTON, N.B. — The Department of Public Works are asking for tenders up to October 10th for building Carter's Point wharf, Kings county.—The Commissioner of Public Works desires tenders by Monday, November 7th, for lumber for flooring the Marysville steel highway bridge.

GALT ONT.—The Board of Trade will memorialize the Dominion Government to commence work as soon as possible on the new post office to be built in this town. The Board have appointed a committee to report as to the cost of installing a fire alarm system and purchasing a steam fire engine.—The city have still \$24,000 of sewer debentures for sale. — Tenders are invited by Thomas Carscadden, Secretary Collegiate Institute Board, up to Monday, October. 17th, for erection of a Collegiate Institute building in this town. Plans by Stewart & Witton, architects, Hamilton.

BRANDON, MAN. — Plans have been prepared for residences for D. A. Hopper and A. Leech.—W. N. Lailey, architect, has prepared new plans for the immigration hall to be built here, which will be frame, 'cox31' feet, two stories, cost \$7,000.—The provincial authorities purpose making extensive improvements to the heating system of the asylum and will build a boiler room and smoke stack costing about \$8,000.—W. A. Elliott, architect, has prepared plans for the new Y.M.C.A. building.

LONDON, ONT.—Ormsby Graydon, city engineer, desires tenders by Monday, October 3rd, for construction of asphalt pavement (about 10,000 yards) on Queen's ave.—Matthews & Murray, architects, are preparing plans for a new residence for W. F. Hamilton, of this city.—At a meeting of the Executive Committee of the Synod of Huron, held last week, St. Alban's congregation, Duncan, were given permission to borrow \$800 to complete the building of the new church. Christ church, Corunna, was empowered to sell certain property and apply the proceeds towards the re-erection of the church on another site.—It is proposed to establish a branch of the Dominion Public Works Department in the Merchants Bank building in this city. A suite of offices will be fitted up and an elevator installed in the building.

VANCOUVER, B. C. — Thomas H. Mackay has just taken tenders on the erection of an Oddellows' hall. — The Council of North Vancouver have invited tenders for trenches, wire-wound wooden stave pipes, etc., for a waterworks system. — M. J. Conlin will commence work at once on his proposed hotel at Britannia. — Parr & Fee, architects, have taken tenders on a brick and stone store building for W. A. Bauer. — The shareholders of the Stave Lake Power Co. last week decided to issue debenture bonds to the amount of \$900,000 for the purpose of securing funds with which to develop the company's power at the Stave River Falls. It is estimated that about 25,000 horse power can be developed.

MONTREAL, QUE.—It is announced that Lord Strathcona and Sir William Macdonald have each given the sum of \$25,000 towards a gymnasium building for McGill University.—The Dominion Government have purchased a site on St. Catherine street, near the new Renouf building, on which to build a new uptown post office.—The more important building permits granted last week were as follows: Robert Neville, jr., three-storey building, Bishop street, cost \$50,000; R. Grothe, three-storey building, Esplanade, ave., cost \$7,000; W. Ladouceur, three three-storey dwellings,

September 28,



St. Hubert strand Edward dwellings, Esp. HAMILTO

meeting of th week, the ide to the hospital present.-The he City Coun Government to the bay front it in a depth o make the slip street 100 feet The followin granted last w arine street. five brick dwe Margaret stre Brass,resident Bay and Quee Allen, two ho \$1.500 each; dence on Mas Barton street Haines, a la New York, a on Saturday construct an ton to Brantf WINNIP

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St. Hubert street, cost \$11,000; Joseph and Edward Letreille, two three-storey dwellings, Espianade ave.. cost \$20,000. HAMILTON, ONT.—At a special meeting of the hospital governors last week, the idea of building an addition to the hospital was abandoned for the present.—The Bay Front Committee of the City Council will ask the Dominion Government to build the breakwater on the bay front 10 feet wide and to place

Government to build the breakwater on the bay front 10 feet wide and to place it in a depth of 14 feet of water, also to make the slip at the foot of Catharine street 100 feet wide and 300 feet long.—
The following building permits were granted last week: James Holden, addition to John Temple's livery stable, Catharine street, cost \$4,000; E. J. Guest, five brick dwellings, corner of Main and Marparet street, cost\$1,000 each; William Brass, residence on George street, between Bay and Oneen street, cost \$2,400; Ald

Brass, residence on George street, between Bay and Queen street, cost \$2,400; Ald. Allen, two houses on Severn street, cost \$1.500 each; Mrs. Robert Martin, residence on Magill street, between York and Barton streets, cost \$2,000.—Charles D.

Barton streets, cost \$2,000.—Charles D. Haines, a large railway contractor, of New York, addressed the City Council on Saturday last regarding a proposal to construct an electric railway from Hamilton to Bransford by way of Ancaster.

WINNIPEG, MAN.—James H. Cadham, architect, has taken tenders on the erection of a brick business block on Smith street.—A. & W. Melville, architects, have prepared plans and taken tenders for an apartment block on Balmoral street for F. Ashford.—C. J. Brown, City Clerk, is this week taking tenders for construction of an asphalt pavement on Logan ave., from Nena street to C. P. R. track, and on Sargent street, from Young street to Maryland street, also for the construction of sewers and granolithic sidewalks.—It is proposed

street, also for the construction of sewers and granolithic sidewalks.—It is proposed to construct an asphalt pavement on Shore street, from Portage ave. to Broadway, cost \$4,025, and on St. James place, cost \$4,150.—J. Woodman, architect, is taking tenders on a building on corner of Portage ave. and Donald street.—Bids will be received by Stewart Mulvey up to Thursday, October 6, for supplying single school desks required by the Public School Board during the next two years.—The Board of Directors of the Provincial Agricultural Collège have instructed S. Hooper, architect, to prepare an estimate of the cost of the necessary subsidiary buildings, such as

necessary subsidiary buildings, such as dairy, stables, principal's residence, etc. No contract will be awarded for the main building until the approximate cost

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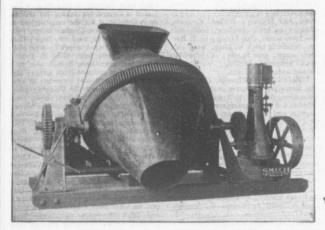
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The cut shows our No. 5 Smith Mixer on skids with engine connected-dumping position—This is the popular outfit with contractors mixing concrete in large quantities—Capacity 300 yards per day.

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of all the buildings is known .--James Chisholm, architect, is taking tenders for an addition to Young street church, to increase the seating accommodation by about 300, also for a magazine at Fort Osborne, Winnipeg, for the Dominion

OTTAWA, ONT.—F. Gelinas, Secretary Department of Public Works, will receive tenders up to Thursday, October 13th, for the construction of a breakwater Robinson's Island, Rustico Harbor E. I. Plans on application to J. B at Robinson's Island, Rustico Hacbor, P. E. I. Plans on application to J. B. Hegan, Charlottetown, the postmaster at Rustico, and the Department of Public Works, this city. — The Department of Public Works will receive bids up to Monday, October 24, for all trades except heating for the erection of the Royal Victoria Museum building in this city. Plans can be seen only at the above department. It is estimated that the buildpartment. It is estimated that the building will cost about \$1,000,000.—The following building permits have recently been granted: William Nicholson, brick been granted: William Nicholson, brick dwelling, Somerset street, cost \$1,000; W. C. Edwards Co., stone addition to factory, west side Sussex street, cost \$5,500; A. Smith, brick veneered building, east side Rochester street, cost \$1,000; City Corporation, brick meat market, south side Sparks street, cost \$4,000; A. Tracy, alterations to dwelling, west side Bank street, cost \$4,000; Separate School Board, brick school, north side Murray street, \$24,000; Mrs. S. Woodland, brick veneered dwelling, south side Elgin street, cost \$4,00; William Blair, brick veneered dwelling, south side Elgin street, cost \$4,00; Ottawa side Kent street, cost \$1,000; Ottawa Electric Company, solid brick power house, north side Middle street, cost \$2,000; Ald. Grant, finishing building, east side Henderson ave., cost \$1,800;

The Russell House Co., Ltd., additions

The Russell House Co., Ltd., additions and alterations to hotel, south side Sparks street, cost \$15,000; William Graham, addition to brick dwelling, south side Maclaren street, cost \$2,000; G. T. Barrett, repairing brick building, west side Kent street, cost \$1,000; T. Johnston, brick veneered dwelling, north side Second ave., cost \$1,500.

TORONTO, ONT.—W. C. Wilkinson, Secretary-Treasurer of the Board of Education, desires teuders by noon of October 6 for the enlargement of Cottingham and Huron street schools and for a new building to be built by Northrop & Lyman on Richmond street, west of Bay, three stories, cost \$15,000.—R. E. Kemerer, 36 Toronto street, wants tenders for carpenter work on four houses. Kemerer, 36 Toronto street, wants tenders for carpenter work on four houses.

—Stinson & Hollwey, 41 Victoria street, wil receive tenders up to 30th inst. for the frame building, with brick foundation, lately occupied by Robert F. Stupart, University grounds. — Charles A. Burns, coal merchant, has purchased a block of land on the east side of Simcoe street, between Adelaide and Richmond streets, and is having plans prepared for street, between Adelaide and Richmond streets, and is having plans prepared for large sales stables for horses to be built thereon.—James R. Roaf, representing the syndicate which proposes to build a \$300,000 hotel on Ward's Island, has asked the City Council for a 21-year lease of a large block of land near the eastern gap.—The City Engineer has been asked to report on the cost of a new bridge from Hanlan's Point to Turner's Baths, also on the extension of the breakwater in front of the baths.—John Jones, Street Commissioner, has recommended the es-tablishment of two more crematories, one in the north-east and the other in the

north-west section of the city. — The Board of Control are asking for tenders up to October 4 for the construction of tile pipe sewers on Conduit street, from Dundas street to west city limit; Gore street, from Clinton street to west end; street, from Clinton street to west end; Princess street, from King to Front; Gladstone ave., from Sylvan ave. to a point 137 feet south of Bloor street; also for the construction of a number of concrete sidewalks and the following pavements: Asphalt—Baldwin street, from McCaul to Spadina; Crawford street, from King to Queen. Cedar block—Vermont ave., from Bathurst street to Palmerston ave.; Crawford street, from Bloor street to 1,755 feet south. Macadam—Gloncester street, from Church to Jarvis; Eastern ave., from Pape to Carolarvis; Eastern ave., from Pape to Carolarvis ave. dam—Gloucester street, from Church to Jarvis; Eastern ave, from Pape to Caro-line; Parkview ave., from Wellesley street to 175 feet north. Tar Macadam —Saunders ave., from Sorauran ave. to 315 feet east.—F. H. Herbert, architect, is taking tenders up to 5 p.m. of 29th inst. for all trades for erection of a stone and brick residence. inst. for all trades for erection of a stone and brick residence on West Rox-borough street.—Building permits have been granted as follows: Fred W. Cox, three two-storey brick dwellings, Gerrard street east, near Howland road, cost \$4,500; W. D. Hutson & Sons, two-storey stable and workshop, rear 60 Lippingolf street cost \$1,000. storey stable and workshop, rear 60 Lip-pincott street, cost \$1,000 : Samuel Frame, two-storey and attic store and dwelling, corner College and Beatrice streets, cost \$2,300 ; A. H. Colwell, two and a half-storey store and dwelling, Brunswick ave., near Lowther, cost \$3,500 ; L. C. Sheppard, two pair two and a half-storey brick dwellings, corner Rathnally and McPherson ave., cost \$8,000 ; Charles B. Harrison, two-storey residence, 172 Delaware ave., cost residence, 172 Delaware ave., cost \$3,000; R. J. Lightie, two and a half-



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CORRESPONDENCE INVITED FOR CONTROL OF BRANDS.

storey brick de cost \$1,800 ; Savings Co., dining and ave., near Ro East & Co, th and factory, re dwelling, 70 Thos. R. Whit 166 Sumach st Mitchell, alterstore, 28 and \$1,000; J. A. mansard dwe street, cost \$6 derson, pair t Shaw street, W. H. Carter, Shaw donnell ave., t Conger Coal wood shed, D ave., cost \$7, storey and a cost \$4.0 ave.. brick dwelling Dewson stre Proctor, two-gueretta stree Croix, pair tw corner Shaw \$5,000; Wm. 70 Cowan ave Mahon, pair lings, 39 and \$5,000; Imp building, correstreets, cost \$ ing Co., alter Florence stra \$2,000 ; J. Sand brick de Harbord Polesky, two dwelling, Bi one-storey Parliament \$40,000; J warehouse, E

September 28

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storey brick dwelling, 29 Simpson ave., cost \$1,800; York County Loan & Savings Co., two-storey brick and steel dining and assembly hall, Fermanagh ave., near Roncesvalles, cost \$15,000; East & Co., three-storey brick warehouse and factory, rear 300 Yonge street, cost \$6,000; William Cooper, two-storey dwelling, 70 First ave., cost \$2,100; Thos. R. Whiteside, two-storey dwelling, 166 Sumach street, cost \$1,000; Michael Mitchell, alterations to dwelling and store, 28 and 30 Arthur street, cost \$1,000; J. A. Doidge, six one-storey and mansard dwellings, 28 to 38 Bishop street, cost \$6,600; W. S. and S. J. Henderson, pair two-storey brick dwellings, Shaw street, near Bloor, cost \$3,200; W. H. Carter, two-storey dwelling, Macdonnell ave., near Wright, cost \$1,100; Conger Coal Co., one-storey coal and wood shed, Dupont street, near Albany ave., cost \$2,000. William wills two Conger Coal Co., one-storey coal and wood shed, Dupont street, near Albany ave., cost \$7,000; William Mills, two-storey and attic dwelling, 65 Langley ave., cost \$4,000; H. Hutson, two pairs brick dwellings, 62 and 64 and 70 and 72 Dewson street, cost \$1,000 ; D. L. Proctor, two-stcrey dwelling, 400 Margueretta street, cost \$1,800 ; Alison St. Croix, pair two-storey and attic dwellings, corner Shaw and Bloor streets, cost \$5,000; Wm. Scoti, two-storey dwelling, 70 Cowan ave., cost \$2,500; Frank McMahon, pair two storey and attic dwellings, 30 and 41 Gloucester street, cost \$5,000; Imperial Bank, alterations to building, corner Front and West Market streets, cost \$3,000; Purity Manufacturets. building, corner Front and West Market streets, cost \$3,000; Purity Manufactur-ing Co., alterations to dwelling, corner Florence street and Brock ave., cost \$2,000; J. S. Montgomery, pair stone and brick dwellings, Euclid ave., rear Harbord street, cost \$6,000; John Polesky, two-storey brick and rough-cast dwelling. Rocklying are press. Beatrice olwell, two dwelling, wther, cost dwelling, Brooklyn ave, near Queen street, cost \$1,600; Consumers Gas Co., one-storey storage building, corner of Parliament and Front streets, cost \$40,000; Jessop & Sons, five-storey warehouse, Bay street, cost \$23,000.

FIRES.

Brick-making plant of the London Builders' Supply Co., London, Ont., al-most totally destroyed; loss \$25,000.— Merchants Bank and store of McDermott & Manning at Red Deer, N.W.T.; loss \$15,000.—Windsor Hotel at Sault Ste. Marie, Ont., damaged to extent of \$5,000.

—Commercial Hotel at Tilbury, Ont., owned by Mr. Mallioux; loss \$2,000.—Stone building, corner St. Peter and Sous Lefort streets, Quebec, occupied by the Quebec Furniture Co., Labatt Brewing Co., and O. Jacques, almost totally destroyed. The building was owned by Mr. Jacques and was insured for \$12,000.

—A fire broke out on the 21st inst. in the block bounded by St. Sulpice, Debresoles, Leroyer and St. Clande streets, Montreal, & Manning at Red Deer, N.W.T.; loss \$15,000.—Windsor Hotel at Sault Ste.

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destroying property to the value of \$500,000. The principal losers are: Caput, Fils & Cie, \$320,000; Canada Hardware Co., \$150,000; Hotel Dieu, owners of buildings,\$50,000.—Pork packing establishment of Park, Blackwell & Co., Batherst street, Toronto, damaged to extent of \$30,000.

CONTRACTS AWARDED.

CARTWRIGHT, MAN .- New hotel: Daly & Cleghorn, contractors.

GALT, ONT.-Two residences for W. N. Todd: William Edmunds, contractor.

PARRY SOUND, ONT.-Residence for Thomas Cassidey: William Chubb, contractor.

KAMLOOPS, B. C. — Three storey brick-veneer addition to Montreal hotel: R. McKay, contractor.

SYDNEY, N. S.—Intercolonial Rail-way station: Chappell Bros. & Co., this town, contractors, price \$56,923.

ST. MARY'S, ONT. — The Horse Shoc Quarry Co., this town, have secured the contract for the cut stone required for w post office building at Wingham,

WESTCHESTER, ONT. tract for erection of dam for the London-derry Iron & Mining Co. has been awarded to R. D. Richard. The dam will be nearly 1,000 feet long, 10 feet wide on top.

ONT. - McBride LONDON. LONDON, ONT. — McBride & Farncombe have accepted the following tenders for new car barns for the London Street Railway Co.: Brick and carpenter work, A. Burnett & Co., painting, W. T. Pace & Co.

STRATFORD, ONT. - Factory for STRAIT GRID, STATE Contractor. Building will be three stories, contractor. Building will be three stories, 124 × 64 feet, with three-storey wing 64 × 54 feet, and one-storey blacksmith shop 50 × 58 feet, of white brick, cost \$24,000.

COLLINGWOOD, ONT .-- Residence for D. Kelly, Hurontario street: Architect, P. C. Palin; brick and stone, Wil-

liam Simpson; carpenter work, Wilson liam Simpson; carpenter work, Wilson Bros.—Additional contracts for machine shop for Collingwood Shipbuilding Co.: Brick work, H. Stovill; roofing, Douglas Bros., Toronto; iron and carpenter work, by the company themselves.

by the company themselves.

BROCKVILLE, ONT. — The James
Smart Manufacturing Co., this town,
have been awarded contracts for heating
and ventilating the following buildings:
Public schools at Vankleek Hill and Tottenham, Ont., and Clark Harbor, N.S.;
R. C. churches at Formosa, Ont., and St.
Timothie and St. Stanislas de Kostka,
Que.; church on Tyendinaga Reserve,
near Desoronto.
WINNIPEG. MAN — The Lac du

near Desoronto.

WINNIPEG, MAN.—The Lac du
Bonnet Brick Co. will supply 45,000
pressed bricks for the front walls of the
new Free Press building in this city.—J.
Chisholm, architect, has awarded the
contract for a residence on Donald street
for J. M. Chisholm, frame, oak finish, hot
water heating. — The contract for new
hall for the German Society has been let
to Mr. Gauer.

TOPONTO ONT — The Waterous

TORONTO, ONT.—The Waterous Engine Works Co., of Brantfor., have been awarded the contract to supply two been awarded the contract to supply two fire engines for the city, at the price of \$13,440 each. J. A. Darch & Co., Toronto, will supply two heavy rubber-tired hose waggons at \$1,584 each.—The Board of Control last week awarded the following contracts: Asphalt pavements—Constructing and Paving & Company, Kendall avenue, Wells to Dupont, \$5,650; Warren Bituminous Paving Company, Mowat avenue, King to 524 feet south, \$2,690; Barber Asphalt Company, Givens street, Coliege to 361 feet south, \$1,780; Brock avenue, Queen to 1,163 feet north, \$7,276. Macadam roadway, Construct-

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ing and Paving Co., Vanauley street, Queen to Grange, \$3,300. Concrete sidewalks—Constructing & Paving Com-pany, Defoe street, both sides, Tecumseh pany, Defoe street, both sides, Tecumseh to Niagara, \$1.05 per lineal foot; Queen City Paving Company, Church street, east side, Charles to 128 feet south of Bloor, 79c. Toronto Contracting & Paving Co., Arthur street, north side, Palmerston to Manning, 82c.; Bellwoods avenue, west side, Arthur to 520 feet south, 55c.; A. Gardiner & Co., Arthur street, south side, Dundas to Shaw, 77c.; Augusta avenue, east side, St. Patrick to Augusta avenue, east side, St. Patrick to College, 64c.; R. A. Rogers & Co., Farsur, St. College, 64c.; R. A. Rogers & Co., Farsur, \$1.07; Harvard & Leach, Grace street, both sides, College to 404 feet north \$1.10. Queen City Paving Co., Yonge street, east side, Esplanade to Front, 68c; street, east side, Esplanade to Front, 68c; Heward avenue, west side, Queen to Eastern \$1; Wilton avenue, south side, Church to Yonge, 6zc. Crescent Con-struction Co., Dovercourt road, both sides, Queen to Argyle, 98c. Toronto Con-structing Co., Farley avenue, south side, Spadina to Bathurst, \$1.14. Grant & Co., Givens street, both sides, College to 36t feet south, 70c.; Macpherson avenue, south side, Yonge to 686 feet west, \$1.07. Godson Co. Mutual street, east side. Godson Co., Mutual street, east side, Gerrard to 570 feet south, \$1.08; St. Patrick street, south side, Spadina to Esther, 84c.

RIDS.

BIDS.

VICTORIA, B. C.—The following tenders were received by the Gity Council for supply of water nipes: R. Ward & Co., \$42.33 per ton; W. S. Fraser & Co., \$42.25; Victoria Machinery Depot. \$41; Marine Iron Works, \$40; Andrew Sheret, \$41.25; R. P. Rithet & Co. (exclusive of war risks), \$40.85; Chicago Steel Co., (exclusive of duty), \$35.00; Wm. O'Neill & Co., \$45,50; Henry Darling, \$41.25; Findlay, Durham & Brodie (subject to change of tariff), \$40.74; W. D. Hofins & Co. (exclusive of duty), \$37.50; Boyd, Burns & Co., \$41.98; F. T. Crowe & Co. (f. o. b. cars Victoria), \$41. Burns & Co., \$41.98; F. T. Co. (f. o. b. cars Victoria), \$41.

NEW COMPANIES.

Norman Box Company, Limited, Rat Portage, Ont., incorporated, capital \$25,-

Portage, Ont., incorporated, capital \$25,000. Directors, H. Armstrong, W. McKennan, John Glenn, Arthur Johnson.

Northern Iron & Steel Company, Limited, Toronto, incorporated, capital \$2,500,000. Directors, J. A. Currie, William J. Lindsay, Duncan Donald, of Toronto; T. J. Duguid, Collingwood.

Rondeau Tug Company, Limited, Blenheim, Ont., incorporated, capital \$30,000. Directors, J. W. Post, of Township of Harwick; William E. Hall and R. M. Thompson, of Blenheim.

Canadian Glove & Mitten Company.

Canadian Glove & Mitten Company, Limited, Ingersoll, Ont., incorporated, capital \$30,000, to manufacture and deal in gloves, mittens, underwear, etc. Direc-tors, Sherman McKenney, of Fremont, Ohio; John A. Neff and Angus McKay, of Ingersoll.

of Ingersoll.

Eureka Refrigerator Company, Limited,
Toronto, incorporated, capital \$40,000,
to manufacture refrigerators, household
furniture, etc., and to acquire the Wilbert
Hooey patent. Directors, Wilbert Hooey,
W. H. Shapley and Harold W. Shapley,
of Toronto. of Toronto.

of Toronto.

New Ontario Brewing Company, Limited, North Bay, Ont., incorporated, capital \$30,000. Directors, J. J. Doran, T. Cahill, of North Bay, and others.

Mohawk Natural Gas Company, Limited, Brantford, Ont., incorporated, capital \$150,000. Directors, H. Cockshutt, E.K. Cockshutt, of Brantford, and others.

Steel Trough & Machine Company, Limited, Tweed, Ont., incorporated, capital \$25,000, to manufacture steel troughs, tanks, etc., and to carry on a general foundry and machine shop busi-

ness. Directors, Wilberforce Gordon, J. J. McGowan, of Tweed, and others. Doty Engine Works Company, Limited, Goderich, Ont., incorporated, capital \$40,000. Directors, F. W. Doty, C. W. Doty and Mary Elinor Doty, of Goderich. North-West Co-Operative Construction? Company, Limited, Winnipeg, Man., incorporated, capital \$20,000, to acquire property and to carry on business as builders and contractors. Earnest Machetti, Dominico Gallo, of Winnipeg, and others. Vancouver Pipe & Foundry Company, Limited, Vancouver, B. C., incorporated, capital \$10,000.

capital \$10,000.

Hammond Steam Scraper Company of

Canada, Limited, incorporated at Victoria, B. C., capital \$200,000, to acquire certain patents and manufacture an automatic scraper for excavating and dredging.

Canadian Pipe Company, Limited, incorporated at Victoria, B.C., capital \$25,oo, to acquire the business now carried
on in British Columbia by J.R. Berry under
the name of the Canadian Pipe Company,
Continental Contracting Company, Limited, Ottawa, incorporated, capital \$500,oo, to construct buildings and other
works. William H. Curle, J.T. C. Thompson, G.A. Brown, Ottawa, and others.
Generale d'Enterprises, Limited, Montreal, incorporated, capital \$1,000,000, to
construct public works of all kinds. Felix

treal, incorporated, capital \$1,000,000, to construct public works of all kinds. Felix Allard, Jules Dollfus, A. Duparchy, contractors, and others.

Rossendale Belting Company, Limited, Toronto, incorporated, to manufacture and deal in belting, mill supplies, etc. L. J. Rowland, of Toronto, is their attorney.

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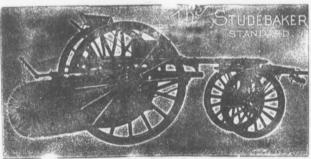
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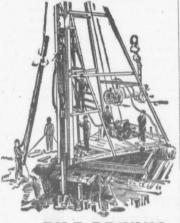
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MUNICIPAI DEPARTMENT

NEW GARBAGE CREMATORY AT TORONTO.

Toronto's experience with garbage cremation began in 1891, according to a report made to the City Engineer by Mr. John Jones, Street Commissioner. The first destructors were patterned after the Mann system, some changes of his own being made by the late Emerson Coatsworth, former city commissioner, under whose supervision they were erected, one in the east, and one in the west end of the city. A couple of years ago the destructors were placed under Mr. Jones' department, and it was decided to thoroughly

remodel the one in the west end. Prior to this time he had made a somewhat close study of the incinerating system, having had occasion to visit some of the cities where this system was in operation, for the purpose of examining the various kinds of destructors in use. His conclusion was that a destructor could be designed which while different from any he had seen, would combine the distinguishing advantages possessed by those of different make. Briefly stated, the new destructor is a combination of the Mann, the Thackeray, and the Dixon system. The former destructors, built after the Mann system, had a furnace 30 ft. long by 10 ft. wide, and about 7 ft. high. The materials to be consumed were dumped through holes in the top direct on to the fire. At the time of its construction, this destructor was considered one of the best in operation, and answered its purpose very well. There was no stench or nuisance of any kind attending its operation, and the process of incineration was thorough. Its chief drawback consisted in the fact that the refuse was dumped direct on to the burning grates, consequently every fresh charge almost extinguished the fire. As garbage usually contains a large amount of moisture, it took some time for the fire to recover, which meant just that much delay in disposing of each charge. Furthermore, the sudden contraction caused by this moisture had a tendency to loosen the bricks in the crown of the furnace, and they were constantly falling out. The Thackeray system, operated in Montreal, Mr. Jones considers similar to the Mann, except that it is built in chambers, or cells, each about 16 ft, by 10 ft. It has, in his opinion, the same drawback mentioned in connection with the Mann, viz., the wet materials are dumped direct upon the fire. The Dixon furnace is well known; it is constructed either of brick, or with a steel jacket lined with fire brick, and is usually built about

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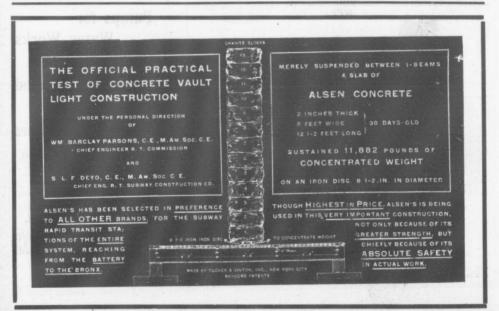


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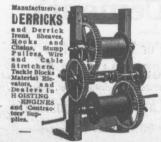
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6 ft. wide and of any length required. Its principal feature is a system of upper carrying bars, made of fire-clay, on which the garbage is first dried, then dumped into the furnace. Mr. Jones saw one of these destructors in operation at Fort Wayne, and considered it to be the best system he had so far observed.

The measurements of the new furnace over all are: Length, 35 ft. 4 in.; width, 14 ft. 6 in.; height, 12 ft. 6 in. The chamher is built of brick work 2 ft. thick. having 41/2 in. of fire-brick; a 4-in. air space, and the remainder red brick. In shape it is a segment of a circle. At the back of the furnace over the upper grates is a small opening through which evaporation from the garbage when in the drying chamber is carried along with the draft from the burning chamber into the flue or duct leading to the chimney. The flue is provided with a circular damper to increase or reduce the draft at will. The waste heat passing through the opening just referred to is sufficient to destroy all gases and effluvia generated in the upper or drying chamber. Fronting this opening is a hood formed of three upper carrying bars. At the firing end the carrying bars are clustered for a distance of 2 ft. 3 in., forming a hood, so that the garbage is carried that distance from the coal fire, preventing the fire being smothered while the materials are drying. The roof of this cluster is sloped so that nothing will lodge there.

The inside measurements of the furnace are: Length, 29 ft. 4 in.; width, 10 ft. 6 in.; height, 7 ft. 7 in. In a day of 24 hours it will consume from 75 to 80 cart loads of an average weight each of 1,500 lbs., or a total of 50 tons of garbage and refuse materials of all kinds. Night soil is not cremated, its handling and disposal in Toronto being done by private contractors.

The quantity of the refuse collected in the city varies somewhat according to the season of the year. The average collection contains about 30 per cent.of garbage proper, that is kitchen waste, consisting of animal and vegetable matter, the balance being manufacturers' waste and household rubbish. In the summer season the waste from factories, stores, and such like provides the necessary fuel for operating the furnace, and very little coal is required.

During the fruit season, and also in winter, when the collections contain more or less moisture, about half a ton of slack is required to operate the furnace 24 hours; that is, half-ton of slack to consume 60 tons of refuse. The residue from the materials consumed averages about 7 cu. yd. every 24 hours. It is of little or no commercial value.

Assuming that half-ton of slack is burned per day, the cost for fuel (at \$3.00 per ton) would be \$1.50. The labor (six men at \$1.80 each per day) would be \$10.80. This makes a total per day of 24 hours of \$12.30, which represents a cost of 20 cents for every ton of refuse consumed.

The furnace was built by day labor. The fire-bricks were supplied by the Harbison-Walker Co., of Pittsburg, and the fire-clay bars by the Stowe-Fuller Co., Cleveland, the freight on which was of course considerable. The total cost of the furnace only was \$5,000. The chief advantages claimed by Mr. Jones for this furnace are cheapness of construction, effectiveness in rapid and thorough combustion, entire absence of odor or nuisance of any kind, economy in operation.

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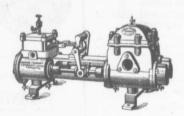
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