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

Vol. 13.

#### MARCH 26, 1902

No. 8

#### THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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#### TENDERS

Tenders will be received until SATURDAY, MARCH 29, for the erection of a

House on Winchester Street. Also for the minor trades of a House on Crescent

ed. GORDON & HPLLIWILL, Architects, Confederation Life Building, Toronto.

#### TO CONTRACTORS.

Tenders will be received at the office of the undersigned until noon on SATURDAY. MARCH 20TH, for the several works required in a pair of houses on Winchester Street.

SYMONS & RAE, Architects.

## TENDERS

Will be received up to MARCH 3187, for the several works required in the completion of a

## Store and Apartment Building,

College Street West, Torcato The lowest or any tender not necessarily accepted.

W R. STRICKLAND, Architect, & Adelaide St. East, Toronto

## FIRE HALL TENDERS

Scaled tenders in bulk or for separate trades, marked "Tenders for New Fire Hall," will be received at the Town Clerk's office up to noon TUESDAY, 1571 DAY OF APRIL, 1502, for the erection of a new fire hall in the town of his? y. Flans and specifications can be seen at the office of the Town Clerk during office hours. The lowest or any tender not necessarily accepted.

JAS M. CHALMERS. JOHN HORIL, Town Engineer. Chairman Property Com.

Nicholl & Son are making improvements to their brick making plant at Merricaville, Ont.

#### CONTRACTS OPEN.

PERTH, ONT .- James Walker will build a residence.

STRATFORD, ONT.-E. K. Barnsdale will erect a sheet-iron building.

AURORA, ONT.—An addition will be built to the Underhil & Sisman shoe factory.

ORILLIA, ONT .- T. B. Cramp purposes erecting a store 60x30 feet, twostorevs.

MARKHAM, ONT.— The Speight Wagon Co. will build an addition to their factory.

THURNBURY, ONT .- The council will spend \$800 this year on granolithic sidewalks.

DELORAINE, MAN.-Tenders for heating apparatus for public school closed on Saturday last.

ATHENS, ONT .-- Work on the new Methodist church will be commenced about April 15th.

BETHANY, ONT.—Manvers town-ship council is considering the purchase of a road grader.

PORT HOPE, ONT.—The Grand Trank will lay another track from this place to Whitby.

YARMOUTH, N.S.—The steel bridge Gabel's falls was swept away by a freshet last week.

SHERBROOKE, QUE.—The Sherbrooke Street Railway may be extended to Brompton Falls.

COATICOUK, QUE.—The Eastern Townships Bank will erect a new building here this year.

OWEN SOUND, ONT .- The Mc-Quay Tanning Co. have commenced their new buildings.

LEVIS, QUE.-Mr. Archibald, C. E. has prepared plans for construction of a waterworks system.

CHATHAM, ONT. - Blonde Bros. Co. will erect a planing mill and make other improvements.

ST. THOMAS, ONT.—The erection of addition to Myrtle street school is under consideration.

VICTORIA, B.C.—It is probable that the Council will immediately call for tenders for cement.

CORNWALL, ONT. - An engineer will be engaged to prepare plans for an hydraulic pumping plant.

CHESTERVILLE, ONT - It is pro posed to build a new schoolhouse here. Particulars from Dr. Brown.

SYDNEY, N. S. - The Dominion Coal Co. proposes to build at least 100 houses for their employees.

CALGARY, N. W. T. - The Methodist congregation have decided to build a new church, to cost \$20,000.

WESTBORO, ONT .- F. W. Harmer,

clerk Nepean township, is offering for sale 15 debentures of \$963 43 each.

BRACONDALE, ONT.—It is said that Col. H. M. Pellatt, of Toronto, will build a suburban residence here.

ELMIRA, ONT .- On April 2nd the ratepayers will vote on a by-law to raise \$2,500 for laying cement sidewalks.

PARRSBORO, N. S .- A meeting will be held this week in connection with the proposal to build a poor house.

PERTH, ONT - G. T. Martin. architect, of Smith's Falls, has prepared plans for new Sovereign Bank here.

STONY CREEK, ONT.—The business men purpose forming a company to establish a local telephone system.

SALTCOATS, N.W.T.—Bids are invited by Thomas McNott up to April 15th for purchase of \$5,000 debentures.

TOTTENHAM, ONT .- A by-law to raise \$6,000 to establish an electric light plant was carried here on Monday last.

STURGEON FALLS, ONT. — A by law to assist Cockburn & Sons to build a new saw mill will be voted on April 4th.

MURRAY BAY, QUE.—The Labrador Pulp & Electric Co. are making arrangements to build their pulp mill at this place.

WOODVILLE, ONT.-It is understood that a company is being formed to construct a telephone line from this place to Glenarm.

PETROLEA, ONT.—William Newman is said to be preparing plans for a wagon factory to be built here by William Milner.

BRACEBRIDGE, ONT.— Hess & Schinbein have submitted an offer to the council to establish a foundry here, to cost \$35,000.

NEW WESTN'INSTER, B.C.—The new Trapp block which is to be built on Columbia street will be four storeys; contract not let.

NEEPAWA, MAN. - An addition will be built to the Richardson House,-It is rumored that the C. P. R. will build a new station here.

DURHAM, ONT.—The Secretary of the School Board has been instructed to secure information regarding steam and hot water heating systems.

FORT WILLIAM, ONT.—It is likely that J G. King will erect a fire-proof building this year on the corner of Victoria avenue and May street.

KINGSTON, ONT .- H. P. Smith, architect, is preparing plans for a new Presbytery for Fathe. Spratt, to be built

on Wolfe Island, cost \$5,000. curing station which

INDIAN HEAD, N. W. T.— A. M. Fraser, architect, is preparing plans for extensive additions to residence and store of A. G. Orchard, druggist.

DESERONTO, ONT.—The Dominion Government has decided to construct cement walks around the new post office, also to put in a tower clock,

FARIS, ONT.—F. Wiard, of Syracuse, is forming a company, with capital of \$250,000, to build a factory here for the manufacture of pumps, drills, etc.

BURLINGTON, ONT.—A committee of citizens has been formed to consider the question of constructing a waterworks system and of improving the streets.

SMITH'S FALLS, ONT —D F. Wood intends building a three-story brick block on Main street, with stores on the ground floor and offices and lodge rooms above.

KEMPTVILLE, ONT.—Tenders are invited up to the 27th inst. for erection of two-storey brick building for Robert Hinton, from plans by George E. Wilson, architect, Ottawa.

ST. BONIFACE, MAN.—The council proposes to construct a macadam pavement on Provencher street, at cost of \$15,680. Debentures for the amount will be issued.

COOKSHIRE, QUE.— On March 25th a by-law will be voted on to grant a bonus of \$7,500 to the Standard Chemical Co., of Toronto, to establish works here to cost \$50,000.

FREDERICTON, N. B.— Gilbert Brown, C. E., is promoting a scheme for a railway from Chipman, King's county, to Kent Junction, Kent county, distance 40 miles.

VANCOUVER, B. C. — The Oddfellow's Society may build a large hall — F. C. Taylor, of Seattle, was in the city recently looking for a site on which to build a shingle mill.

ST. JOHNS, QUE.—The Dominion Government will be asked to make improvements in the channel at this place.

—The by-law granting a bonus to S. J. Roy was carried last week.

BRIDGEWATER, N. S.—James A. Cuill, town clerk, is asking for tenders up to April 15th for construction of water works and sewerage systems, cheque for \$1,000 to accompany each tender.

EDMONTON, N.W.T.—A public meeting was held last week to consider the installation of waterworks and sewerage systems and the purchase of the electric light plant; money required \$140,000.

LINDSAY ONT.-Tenders will be invited immediately for erection of fire hall.—The question of the system of heating to be adopted for the public library, town hall and fire hall is under consideration.

ST. CATHARINES, ONT.— Mr. Wellstead is about to build a double brick house.—Tenders close noon to-day (Wednesday) for construction of concrete sidewalks. Particulars from J. S. Mc-Clelland, city clerk.

ST. JOHN, N.B.—The Presbyterians of Fairville have decided to build a new church.—The Bank of New Brunswick is about to erect a new office building.
—The city has appropriated \$6,000 for a site for the new Carnegie library.

TRENTON, ONT.—T. B. Phepoe, Hamuton, has written to David the state of the state of

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ments and a steel span for the proposed bridge over Smith's creek. He has also advised the purchase of a street sweeper.

COLLINGWOOD, ONT. — A. Mc-Gillivray and D. C. Barr will erect residences.—Tenders close March 31st for erection of stone and brick factory for Stewart & Co.—Dr. McKay is having plans prepared for a drug store and office.

HALIFAX, N. S.—It is expected that the military authorities will shortly call for tenders for further building operations.—Plans have been prepared for two residences to be built on Young avenue.—The Cold Storage Company may build this summer.

WINDSOR, ONT.—Scott & Co., of Windsor and Detroit, have been engaged to prepare plans for the Carnegie library building, which will be of brick with stone trimmings.—A new residence will be built in this cit; by a Detroit lawyer, to cost \$20,000.-Hamilton Trumble will erect four two-storey brick stores.

WELLAND, ONT. — The Bertram Shipbuilding Co., of Toronto, have signified their willingness to start a shipyard here providing the lock at Port Colborae is enlarged.—A by-law will be submitted to the ratepayers to raise \$3,200 for purchase of a steam road roller.

SARNIA, ONT.—William Sweet has disposed of three lots on Napier street and completed arrangements for erection of three Louses thereon.—Tenders have just been taken by the corporation for waterworks supplies.—Mrs. John Mc-Kenzie will build a residence on the London road.

LONDON, ONT.—George Craddock, architect, is preparing plans for a vault to be built by T. B. Escott—H. C. Mc-Bride, architect, is calling for tenders for warehouse, corner Richmood and 2all Mall streets, for Frost & Wood.—Herbert Matthews, architect, is preparing plans for building for Dr. Ford, of Thorn dale.

WATFORD, ONT. — Tenders are asked by Thomas Sisson up to April 12 for erection of brick school.—Brock township council has appointed a committee to obtain tenders for construction of two new bridges.—Trustees of school section Nos. 16 and 18 have been authorized to issue \$1,700 of debentures for erection of new school.

GUELPH, ONT. — Sir William Macdonald, of Montreal, has placed \$125,000 in the Bank of Montreal to the credit of the Macdonald Rural School Fund, to be disbursed for the erection of buildings at the College. Tenders will shortly be invited for the two new ouildings which it is proposed to erect.—L. C. Wideman, architect, has taken tenders on addition to axle works.

QUEBEC, QUE.— J. Gallagher, waterworks engineer, wants bids by Tuesday, April 8th, for supply of iron and brass castings, lead pipe, cement and drain pipes.—The property owners on D'Arguillon street have petitioned for an asphalt pavement.—Mr. Painter, architect, of New York, will soon have completed the plans for new theatre in this

city.

HAMILTON, ONT.—W. P. Witton, architect, has prepared plans for a Nurses Heme in connection with the hospital, cost \$\$,000.—William McKay is building a brick dwelling on Mary street, from plans by E. B. Patterson.—Thomas Lees is building a brick dwelling on Main street, between Queen and Hess streets, to cost \$2,000, S. McPhie being the architect.—William & Waiter Stewart have been instructed to prepare plans for an addition, \$00100 feet, for the Canadian Co.—The Howell

Lithographing Co. will build a large factory on Vine street.

WINNIPEG, MAN.-B. Shragge is taking tenders for erection of dwelling. It has been ascertained that the proposed St. Peter's church will cost about \$40,000.— Persons interested in hockey are talking of building a large rink for their own use.—James Chisholm, architect, is this week taking tenders for a brick and stone office building for the Waterous Engine Vorks Co.—The Maple Leaf Conservative Club will probably erect a club building this year.—The Canada Life Association will place two additional storeys on the Livingstone block.—J. T. Russell, architect, has prepared plans for a large stoile residence to be built on Roslyn road for F. M. Morse, residence on Wellington Crescent for Eugene D. Carey, brick veneer residence on Llewellyn avenue for F. McMurray, residence on Broadway for Thomas Bullman, and residence for Dr. Thornton, of Deloraine.—Tenders will be invited in a few days for a large block to be built by Porter & Co., crockery and glassware merchants.—Contracts will be let shortly for an extensive addition to J. Ashdowne's warehouse on Bannatyne street.

OTTAWA, ONT.—F. Gelinas, secretary Department Public Works, invites tenders for the following works: Up to April 3rd for construction of iron foundry at Quebec; up to April 8th for construc tion of artillery workshop at Quebec; up to April 14th for construction of hozpital for immigrant building at Winnipital for immigrant building at Winnipeg, Man.—Plans of Quebec works at office of P. Belaud, clerk of works, post office, Quebec, and of Winnipeg building at office of Jos. E. Cyr, public works office, post office, Winnipeg.—James Davidson, Chairman Board of Works, invites tenders up to April 2nd for construction of 12 up to April 2nd for construction of 12 up to 4 prince sewers on struction of 12-inch tile pipe sewers on St. Patrick and Notre Dame streets and Salisbury avenue.—The following building permits were issued last week. Dr. Hanna, four brick veneer dwellings, Sherwood street, cost \$3,500; Thomas A. Morris, brick dwelling, Fourth avenue, cost \$1,500; W. H. Bingham, brick venuer dwelling, Bard street, cost \$1,750; H. H. Brennan, four shops with dwelling, Bank street, cost \$11,000. A bill to incorpora e the Sprague's Falls Co., with a capital of \$5,000,000, is before the government. The object is to build paper and pulp mills. Tenders are invited by the Department of Marine and Factories are invited. and Fisheries up to April 2nd for construction of a light house tower and outbuildings on Little Gros Cap, Michipi-coten Harbor. Plans at post offices at Kincardine, Collingwood, Southampton and Owen Sound.

MONTREAL, QUE. — It is likely that tenders will be invited immediately for electric pump for the McTavish reservoir; estimated cost, \$42,000.—The Waterworks Superintendent will probably ask the council for funds for a filtering system.—At a meeting of the Harbor Commissioners last week it was recommended that the new shore wharf on sections 17 and 18 be built suitable for the construction of an elevator.—A proposal has been submitted by F. X. Perrault for a new building for the Chamber of Commerce, to cost \$200,000. A local capitalist has guaranteed So per cent. of the cost.—The members of the Montreal Stock Exchange have appointed a committee to select a site for a new building.—Tenders are invited by L. O. David, city clerk, up to April 3rd, for the supply of 3,500 tons of macadamizing stone.—It is reported that the C. P. R. will make extensive additions to the Place Viger Station.—The Italian Roman Catholics intend building a chirch; Rev Father Leonardo is pastor. Saxe

& Archibald, architects, are calling for tenders for the following: Residence and stable at Sydney, C. B.; residence Ros-lyn avenue, Westmount; warehouse St. Paul street; alterations, residence, Cote St. Antoine road, Westmount, 645 Sher-brooke St.; office fittings for the Canadian Express Co.—L. R. Montbriant, archi-tectus preparing plans for a house for Express Co.—L. R. Montbriant, architect, 15 preparing plans for a house for E. Emery, Oliver avenue, Westmount, also a house for Nap. Declarier on St. Denis street.—Building permits have been granted as follows. Chas. Designed in alternions to one stand been granted as follows. Chas. Desjardins, alterations to one-storey house and store, St. Timothee-street, cost \$2,000 (Jos. Galipeau, contractor); Mederic Martin, two two-storey houses, Park Logan, cost \$5,000; J. W. Moreau, alterations to two and a half storey house and two stores, corner St. Catherine and Darling streets, cost \$2,000 (F. St. Jean, contractor.) contractor.)

TORONTO, ONT.—Gordon & Helli-well, architects, are asking for tenders up to the 29 h inst. for erection of brick dwelling house on Winchester street.— F. H. Herbert, architect, is this week taking tenders for the painting and glaztaking tenders for the painting and glazing, sheet metal work and roofing of new buildings for the Menzie Mfg. Co.—The city engineer is preparing plans for a separate sewerage system for that part of the city east of Woodbine wenue. He has prepared a teport showing that it will cost \$27,600 to repair pavements on Bay street, Queen to Front; Queen street, Parliament to Victoria; and King street, "West Market to Sherbourne.—Among the important works to be carried out by the Grand Trunk Railway this year are the erection of a large coalthis year are the erection of a large coaling plant at Orillia and overhauling the yards at Allandale.—It is the intention of yards at Allandale,—It is the intention of the council to construct a macadam road-way on York street, south of Front street, at cost of \$2.640.—It is reported that the Canadian Fiscific Railway is negorating for the size of the old Parliament buildings, corner Simcoe and Front streets. Should a sale be effected, the present Congruence of the present these wall likely be abone Government House will likely be abandoned and a more modern one built in Queen's Park.—W. R. Strickland, architect, 35 Alelaide street east, is asking for tenders up to the 31st inst. for erection of store and apartment building on College street west.—It has been decided of store and apartment building on College street west.—It has been decided that the basement portion of the new Science building will be built of brown stone, and the storeys above of pressed brick.—Building permits have been granted as follows: Patrick Maher, two-storey brick stable, rear 16 Hayden street, cost \$3,000 (J. W. Siddall, archi-tect; James Crane, builder); John Patterson, pair brick dwellings, 17 and 19 McCaul street, cost \$6,500 (F. H. Herbert, architect, E. Gearing builder); S. F. Aberdeen, two-storey and attic brick F. Aberdeen, two-storey and attic brick dwelling, Gladstone avenue, near Lindsay ave., cost \$2,800; W. H. Gibbs, pair dwellings, Gerrard street, near Parliament, cost \$3,000; William Reed, pair dwellings, Preston avenue, cost \$1,000; R. Dack, addition to factory, 75 King street west, cost \$3,500; Arthur Wills, pair dwellings, 47 and 49 Osler avenue, cost \$1,700; E. &. S. Currie, addition to warehouse, 62 Wellington street west, cost \$8,000; J. J. O'Leary, livery stable, Spadina crescent, cost \$4,000.

#### FIRES.

Car repair shops of the Canada Atlantic Railway (o on Elgin street, Ottawa, damaged to extent of \$15,000.—Northern Lumber Co is saw mill at Dauphin,

Man, totally destroyed, loss \$10,000.

Boarding house, store and office of Victoria Harbor Lumber Co., at Victoria Harbor, Ont.; loss \$40,000. - Freight office of the Canadian Pacific Railway at Freight office of the Canadian Pacific Kallway at Winnipeg, Man., damaged to extent of \$12.000.—Boys' Home on George street, Toronto, damaged to extent of \$5,000.—Pattern shop and mill in connection with Polson Iron Works, Toronto, partially destroyed.—Fertilizing works of W. A. Freeman, Hamilton, damaged to extent of \$5,000.

#### CONTRACTS AWARDED.

ALBERT, NB.—Methodist parsonage: Ezra Stilles, contractor.

BRISTOL, ONT.— New church.

Dumas & McElligot, of Eganville, contractors.

OWEN SOUND, ONT.—Alterations

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## MUNICIPAL DEBENTURES BOUGHT

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to W. F. Wolfe's dry goods store; Hill & Cruickshank, contractors.

ST. CATHARINES, ONT.—Residence for J. T. Greve: Masonry, Newman Bros.; carpenter work, Geo. Wilson.

LUNDON, ONT.— Alterations to Clarance Hotel for H. Ryan · Mason and brick work, Moran & Redge; carpenter and joiner's work, R. G. Wilson.

WINNIPEG, MAN.—The tender of Dickinson & Co., of Chicago, for the supply of cement has been recommended for acceptance by a sub-committee of the Board of Works; price, 66 6-10 cents per 100 pounds.

DRAYTON, ONT.—Town halt; Masonry and plastering, Flath & Scheick; carpenter work, painting and glazing, tinsmithing and interior metallic work, Adams Bros.; architect, George Gray, Harriston; cost \$8,000

WINCHESTER, ONT.—The tender of Gilbert, McCaffery & Gilbert, of Iroquois, has been accepted for the construction of the Petite Castore River and Annable Creek Drainage Works, the prices being as follows: 400,000 yards earth excavation, 12 cents per yard;

12,3 o yards rock excavation, \$1.25 per yard; 4 culverts, \$575. Thomas H. Dunn, of this place, is engineer in charge.

OTTAWA, ONT.—Raisseau & Co., of Montreal, have secured the contract for iron work of three bridges to be constructed over the Jock river, near Fallowfield.—The Minister of Railways and Canals is said to have let contracts to the Rathbun Co., of Deseronto, for 10,000 barrels of cement, at \$2.66 a barrel, and to the Owen Sound Portland Cement Co. for 5,000 barrels at \$2.27.—Bellhouse, Dillon & Co., Montreal, have been awarded the contract for cement by the Ottawa Improvement Commission, price \$1.90 per bug of 380 pounds, Atlas brand.

ST. THOMAS, ONT.—Tenders were received as follows by the counties of Elgin and Middlesex: Walker bridge, superstructure Humlian Reides Co.

ST. THOMAS, CNT.—Tenders were received as follows by the counties of Elgin and Middlesex: Walker bridge, superstructure, Hamilton Bridge Co., \$10,203; substructure, Patterson, Ellis & Whelihan, \$6,321; J. J. Moylan, \$8,325; Forest City Paving Company, \$7,090; Ponsford Bros., \$4,809; Geary & Lewis, \$5,150; P. Pigeon, \$5,935; G. A. Ponsford, \$5,050; Rowen & Elliott, \$5,504. Muncey bridge—superstructure, Hamilton Bridge Co., \$9,475; substructure, Rowen & Elliott, \$5,200; Patterson

Ellis & Wheliban, \$5,378; J. J. Moylan, \$8,860; Forest City Paving Co., \$2,090; Ponsford Bros., \$4,917; Lewis & Geary, \$5,400; G. A. Ponsford, \$4,707.50. Tenders were accepted as fellows. Steel work of both bridges, Hamilton Bridge Co.; substructure of Walker bridge, Ponsford Bros.; substructure of Muncey bridge, G. A. Ponsford.

MONTREAL, ONT.—Saxe & Archibald, architects, have awarded the contract for workmen's houses at Rockfield, to cost \$12,000, as tollows. — Masonry and brick work, McArthur & Sons; carpentering, D. M. Long; plastering, W. J. Cook & Son; plambing, John Daie; painting, R. H Birthbolomew. Same architects have awarded the contract for office fittings for the Canadian and National Express Co. in the new Grand Trunk building, McGill street, to J. T. Henderson, cost \$4,000.—Hutchinson & Wood, architects, have awarded the contract for addition to warehouse for Mrs. J. A. C. McIntyre as follows:—Stonework, Wighton & Morison; carpentry, The James Shearer Co.; plastering, James Morrison & Son; plumbing, James Atchison; steel work, Dominion Bridge Co.; roofing, Lessard & Hatris.—J. Venne, architect, has awarded contracts as follows for

## DEBENTURES

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new facade of 'Enfant Jesus Church, to cost \$40,000: Masonry and steel work, Martineau & Prenoveau; carpenter and jointer's work, roofing, plastering and painting, Reeves Bros. — L. R. Nont-briant, architect, has awarded the contract for one house on Sherbrooke street, corner of Timothee, cost \$5,350, as follows: Stonework, Chapleau & Desjardins; plumbing, roofing, and heating, Jos. Laurier; woodwork, L. T. Deslauriers. Same architect has awarded the contract for alterations to house on St. Denis street, corner Ernest, to Henry Demers, cost \$1,900.—R. H. Buchanan & Co., Montreal, have been awarded the contract to fit out the St. Lawrence Hall,

Cacouna, with tanks, supplying bath and general water supply.

TURONTO, ONT. -Tne City Council have finally decided to accept the tender of Stamsen & Blome, the Chicago contractors, for the construction of the contractors, for the construction of the concrete sidewalks on which they were the lowest tenderers.—The Board of Control last week awarded contracts as follows: Brick pavement, Dovercourt coad, Queen to Armour, \$5,044, John McBean Asphalt pavements, Parkroad, Crescent roal to south side of bend, St. 415. City Engineer: Horward avenue. \$5,425, City Engineer; Harvard avenue, Call der-street to Roncesvalles-avenue, \$6,248, Constructing and Paving Co.; Albany-avenue, Bloor to Wells-street,

\$11,937, Barber Asphalt Co.; Elmavenue, Sherbourne to Glen Road, \$6,531, Constructing and Paving Co. Cedar block pavement, Wyndham-street, Brock-avenue to St. Clarens-avenue, \$1147, Constructing and Paving Co. Prick adaptath. Sherbourne, 1214 Co.; Elm-ilen Road, Brick sidewalk, Sherbourne-street, east side, Ancrost-place to bridge, 70 cents per lineal foot, A. J. Brown. Concrete sidewalks, Phoebe-street, north side, Spadina to 213 feet east of Huron-street, 59 cents per lineal foot, Harvard & Leach; Dunn-avenue, west side, King to Queen, 97/2 cents; east side, \$1.02 per lineal foot, W. F. Grant & Co.; Will-cocks-street, south side, Spadina to Robert-street, 71 cents per lineal foot,

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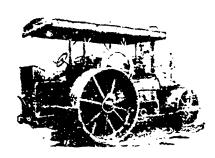
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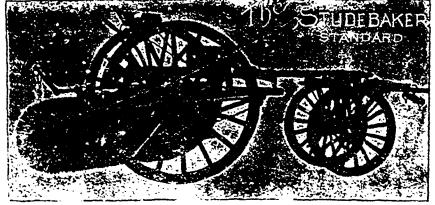
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Harvard & Leach; King-street, north side, Wilson to Queen, 75 cents per lineal foot, Frank Fahrenbach; Welling-Ineal 1001, Frank Fahrenbach; Weiling-ton-street, north side, John-street in 106 feet east of Dorset-street, 71 cents per lineal foot, Crescent Concrete Paving Co.; Delaware-avenue, north side, Hep-bourne to Bloor-treet, 60 cents per lineal foot, W. R. Payne; Sullivan-street, north side, Beverley to Haron street, \$1.07 per lineal foot, Frank Fahrenbach; Lowther-garence north side. Besilord to Lowther-avenue, north side, Bedford to Admiral-road, 50 cents per lineal foot, W. R. Payne; Harbord-street, north side, Bathurst to Markham, 60 cents per side, Bathurst to Markham, 60 cents per lineal foot, Crescent Paving Co.; Shuter-street, north side, Jarvis to Church, 69 cents per lineal foot, A. Chamberlam & Co.; Bedford-road, east side, Boor to Lowther-avenue, 59 cents per lineal foot, W. R. Payne.—The Goldie & McCullo h Co., of Galt, are now installing in the head office of the Canadian Bank of Commerce in this city, what is said to be the merce in this city what is said to be the largest safe yet built in Canada. It weighs 31 tons and consists of 6 compartments.

A gentleman who has had many years experience as a contractor at Niagara Falls, Ont., desires to become associated with an experienced architectural draughtsman and designer. There is said to exist a good opening at present at Niagara Falls for a capable exchitectural firm. Particulars can be had at this

The Canadian Portland Cement Company, Limited, are sending out a booklet entitled "Home Industry," containing illustrated descriptions of their cement manufacturing works at Strathcona, Ont. and Marlbank, Ont. Illustrations are also given of important buildings and engineer-ing works in various parts of Canada, in the construction of which the company's cement has been employed.

The advertisement of the Toronto Fur-The advertisement of the Toronto Furnace & Crematory Company will be found in this issue. This company are manufacturers of incinerators for the disposal of garbage, refuse, etc. They recently installed a plant for this purpose for the corporation of Winnipeg, Man., which has been in operation for some time and is giving good satisfaction.

#### JOHN GALT, G.E.&M.E.

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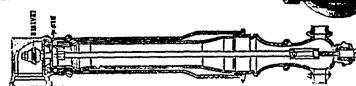


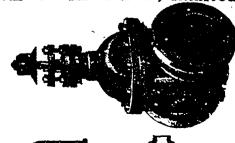
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# MUNICIPAL. DEPARTMENT

## EASTERN GOOD ROADS ASSOCIATION.

There was a large attendance at the annual convention of the Eastern Good Roads Association which was held in Ottawa on March 13th and 14th last. The chair was occupied by Mr. J. C. Bradley, ex-warden of Carleton county, who in his opening address referred to the good work that had been done in Eastern Ontario by the Good Roads train. The cost, he said, was proving much less than expected, and the concrete culverts were regarded as a very great saving and highly satisfactory. Sample stretches of road had been completed at Gananoque, Lansdowne, Iroquois, and Alexandria. The estimated cost of grading a mile of road-bed ready for store or gravel was stated to be \$25 with horses, and \$18 with traction engine, and for macadamizing one mile of highway, 8 feet wide and 8 inches deep, exclusive of excavation, the cost would be \$600. The Sawyer-Massey Company gave the use of all machinery free of charge. As planned at present, the work of the current year would be completed in the following order · Carp, Eganville, Pembroke, Almonte and Kemptville. Mr. T. B. Allen gave an address on "How the Commutation of Statute Labor had Succeeded in North Grimsby Township." Mr. Atlen stated that the roads were much improved under the new system, and the cost, was fifty cents in place of a day's statute labor.

At the evening session, Senator Dodge, of the Department of Public Roads, Washington, D. C., Col. Moore, president of the United States National Good Roads Association, and Mr. Andrew Patullo, of Woodstock, Ont., delivered addresses showing the stimulating effect of good roads in lessening the cost of transportation, adding to the industry of the country, at d improving the home life of the nation.

Addresses on the following subjects were delivered on March 14th: "How Concrete Pipes are Made," by David Moir, Almonte: "The Construction of Concrete Arches, Bridges, etc., by C. C. Lapierre, Montreal; "Implements required to Make Stone Roads, their Uses and Cast, by Major Jones Sheppara Queenston, Ont.; "The Value and Economy of Concrete Culverts," by A. W. Campbell, Toronto, Commissioner of Ontario Highroome, Commissioner bi Ontario Highways. Mr. Campbell said that the kind of road to be built, its width and depth of material, must depend entirely upon the traffic. A common clay road which could be made for \$50 to \$75 a mile made an ideal summer road. If it were given the light grade and propally designed right grade and properly drained, or underdrained where the foundation is boggy, it could be easily maintained. A standard road was about 24 feet between diches, with 10 feet of stone or gravel in the middle, to inches deep in the centre, and 8 inches at the sides. On many main roads throughout the country broken stone had been added year by year until it was now 12 to 15 inches deep. But the

traffic had caused the roads to settle until they were lower than the sides of the road. Cutting off the "shoulder" at the sides with a grader and putting on a coating of a fine quality of crushed stone or gravel, thoroughly rolled, would put the road in first-class shape. On the average road this could be done for \$100 to \$150 per mile. Where a new road was built out and out, the cost would average \$600 to \$750 per mile. After the road was properly constructed, \$10 per mile per year would keep it in repair. Mr. Campbell said that quarry stone was preferable to field stone for road-making, and that he was in favor of wire fences as a preventive of blocked roads in winter time.

Mr. A. F. Wood, of Madoc, told how Hastings County secured 400 miles of good roads. The county started half a century ago, and though it now had first class roads, the cost had been about \$2,000 per mile, owing principally to misdirected efforts.

A deputation from the convention waited upon the Minister of Agriculture and urged the establishment of a Public Roads Department in connection with the Department of Agriculture at Ottawa.

partment of Agriculture at Ottawa.

Officers for the ensuing year were elected as foliows: President, Warden Cummings, of Carleton; vice presidents, Warden John Brennan, Sand Point, Renfrew county; Warden Dr. Anderson, Lanark county; Warden L. Charbonneau, of the United Counties of Prescott and Russell; Warden H. MacMillan, of the United Counties of Stormont, Dundas, and Glengarry; Warden Brown, of the United Counties of Leeds and Grenville; Treasurer, Carleton County Clerk McNabb; Secretary, H. B. Cowan.

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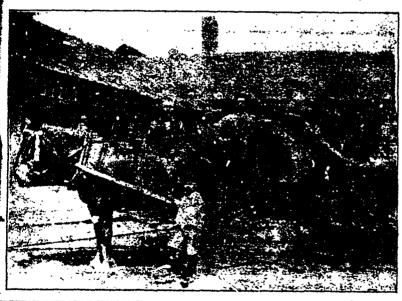
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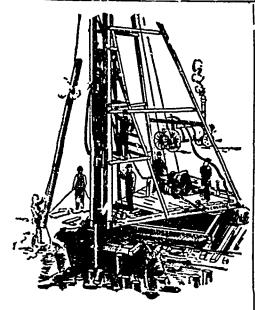
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