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. 16.

TORONTO, MONTREAL, WINNIPEG, MAY 17, 1905

No. 12

THE CANADIAN CONTRACT RECORD PUBLISHED EVERY WEDNESDAY

As an Intermediate Edition of the Canadian Architect and Builder.

THE G. H. MORTIMER PUBLISHING COMPANY of Toronto, Limited,

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

Sale of Dredge Work

Notice is hereby given that about three miles of dredging in the Rivard Drain in the Township of Dover, County of Kent, will be sold by public suction at the Town Hall, Dover, Ont., on TURSDAY, MAY 3071, 1905, at 10 clock in the alternoon.

H. N. BECHARD, Commissioner, Chatham, P. O.

Tenders Wanted

Tenders will be received by the undersigned up to SATURDAY EVENING, MAY 20TH, 1904, for the laying of about 16,000 square feet of Granolithic Sidewalk in the Town of Ux-

of Grandithic Statement of the furnishing of all the material and also for just the work and gravel without the cement.

The lowest or any tender not necessarily accepted.
Copies of the specifications may be seen at the clerk's office.

J. W. GOULD, Town Clerk.

TENDERS

Sealed tenders will be received by Mr. Wm. Davidson (County Clerk of Perth) up to 12 o'cleck a. m., TURSDAY, the 6711 DAY OF JUNK, for the construction of a Steel Bridge to be built across the Thames river at the town line of Fullarton, Bianshard and Downie, span 13-lase for the construction of abutments and wring walls for the same.

Also for the construction of approaches to the said bridge. The contractor to furnish all material, etc. An accepted bank cheque payable to the Treasurer of the County of Perth for the amount of 5 per cent. must accompany each teuder, the same to be forfeited if the tenderer decline the contract or fail in the performance thereof, and to be returned in case of non-acceptance.

Plans and the County Clerk's of American Street Str

JOHN ROGER, Engineer, Mitchell, Ont.

COUNTY DEBENTURES FOR SALE

Tenders are desired by the undersigned up to noon of the 20TH MAY, 1994, for the purchase of 20 Debentures of the County of Hashings, aggregating \$20,000, drawing 5 per cent. from the 2nd day of November, 1904.

One Debenture and all interest coupons paid each year. First such payment on first November, 1905.

Further information given on application to WM. R. AVISWORTH, County Clerk.

WM. R. AYLSWORTH, County Clerk, Belleville, Ont.

Tenders Wanted

Scaled tenders will be received by the undersigned marked "Tenders for Ricctric Lighting" up to SATURDAY, THE 27TH DAY OF MAY, 1905, for lighting the streets of the Town of Orangeville, Town Hall, Pire Hall and Engineer Description of the May Stand.

The Succession of the Same Standard Stand.

The lowest or any tender not necessarily accepted.

A. A. HUGHSON. Town Clerk.

A. A. HUGHSON, Town Clerk, Grangeville P. O., Ont.

TENDERS

Scaled tenders, addressed to Mr. A. C. Rutherford, Secretary-Treasurer of the Municipality of the Town of Strathcona, Alberta, will be received until 6 p.m on MONDAY, MAY 25/H, 100x, for the Excavation, Pipe Laying and Backfilling of five miles (the whole or in sections) of Sewers, Water Mains and Connections concatch Basins and setting Hydrants and Valves, The Town will furnish sewer and water pipe, ironwork, hydrants, valves and specials.

Hach tender must be accompanied by an accepted marked cheque or cash deposit equal to 5 per cent. of the total amount of the tender. The Town does not bind itself to accept the lowest or any tender.

Plants, specifications, form of tender, etc., may be seen at the office of the undersigned.

A. J. MCLEAN,

A. J. McLEAN, Town Engineer. Strathcona, May 3rd, 1905.

Tenders Wanted

The undersigned will receive tenders up to MAY 2711, for the construction of three Municipal Drains in the Township of East Oxford.

The Gibb Drain is composed of 7,00 ft. of tile drain and the cleaning out of 400 ft. of open ditch.

The Hopkins Drain is composed of 6700 ft. of tile drain and the cleaning out of 2100 ft. of

tile drain and the cleaning out of 2100 ft. or open ditch.

The Rice Drain consists of the cleaning out of 10,300 ft. of open ditch.

All field tile for the above will be furnished and laid on the ground by East Oxford Council.

Tenderer to state at what time he will bind himself to have the work completed. Tenders for 1005 preferred.

All work to be done according to the plans and specifications of F. J. Ore, C. E.

The lowest or any tender not necessarily accepted, depths at the several stakes and all other information in connection with the above drains apply to

F. G. JACKSON, Clerk, R. Oxford, R ½ Lot 14, Con. 4, Oxford Centre P. O. Dated at East Oxford, this 4th day of May, 1905.

WANTED

Position as Draughtsman in Architect's office or Builders' Clerk by young man having four years at practical building and three years in Architect's office. Address H. A. P., Waverly Hotel Newcastle, N. B.

TENDERS

for the construction of about 34,000 feet Grano-lithic Sidewalks in the Village of Lucknow. Ont, will be accepted up to noon MAY 3:rm, 1905. Specifications on application. No tender necessarily accepted.
P. A. MALCOMSON, Clerk.

Tenders for Boilers

The Board of Water Commissioners for the City of Brantford will receive tenders for three new boilers to be placed in their pumping station in Brantford up to

MAY 27th NEXT.

Specifications and drawings may be seen at the Secretary,'s office, City Hall, Brantford.

EMED W. FRANK, Secretary

TENDERS WANTED

Sealed tenders will be received by the undersigned until MAY 257B, 1905, for the building of Moosomin Town and Fire Hall Building, to be of brick, size 4588 feet, 3 storyes high. Plans and specifications can be seen with Frank R. Evans, Esq., Architect, Winnipeg, Man., or with the undersigned. An accepted cheque for 5% must accompany each tender.

The lowest or any tender not necessarily accepted.

IOHN SMITHERS

JOHN SMITHERS, Secretary Treasurer, Town of Moosomin.

Tenders for Bridge

Sealed tenders, addressed to the Warden County of Bruce, will be received up to JUNE 17TH for the construction of the following wrrks: Two concrete abutments, about 500 cubic yards.

Two concrete abutments, about 500 cubic yards.

One pier, about 175 cubic yards; water 8 to 10 feet deep.

One steel bridge 230 feet c to c. 16 foot roadway.

I., load 80 pounds per square foot, concentrated load 11 tons on 2 axles 10 ft. centres; and for 2 spans of 115 feet c to c, with tamarac or rock elm flooring, and for same bridges with concrete flooring. Bridge 5 miles from Port Elgin, G.T.R. Contractors to furnish their own plans, which must be sent in by the 10th of June for inspection.

An accepted bank cheque, payable to the Treasurer of the County of Bruce, for the amount of 5 per cent. of contract, must accomtendered declines entering in the forfeited if enderer declines entering the forfeited will be returned in case of non-acceptance.

Specifications may be seen at the office of the Warden, W. McDonald, Chesley, George Sirrs, Cargill P. O., or James Warren, Engineer, Walkerton.

The lowest or any tender not necessarily ac-

Walteri, W. Scholling, Clessey, George Strick, Cargill P. O., or James Warren, Engineer, Walkerton.

The lowest or any tender not necessarily ac-cepted.

W. M. M. D. M. J. D. Warden.

W. McDONALD, Warden, May 8th, 1905. Chesley, Ont.

WANTED

Correspondence with a view to partnership, Architect with ten years experience. Good draughtsman, especialty supervision. Desires to locate in an eastern city. Address Box 75 CONTRACT RECORD, TOTORIO.

Debentures for Sale

Tenders will be received at the Clerk's office, Iroquois, up to 4 o'clock p. m.,

MAY 27th.

For the purchase of \$9,702.17 four and one half per cent. Local Improvement Debentures, pay-able in 20 equal annual payments. The highest or any tender not necessarily accepted.

JAMES FLANAGAN, Clerk.

TENDERS

Tenders will be received by the undersigned up till noon. MAY 267H, for all the various trades required in the erection of a Brick or Cement Church Building in Hijisburg. Plans and specifications may be seen at the Walker House, Toronto, from one o'clock p. m., May 16, and at F. W. Brick and the Walker House, Toronto, from one o'clock p. m., May 16, and at F. W. Brick and the Walker House, Toronto, The lowest or any tender not necessarily accepted.

May 4, 1905.

D. H. THOMSON, Hillsburg, Ontario.

Town of Lindsau

Scaled tenders will be received at the Town Clerk's office up to noon on THURSDAY, JUNE 187, 1905, for the construction of about 14,500 feet of Cement Sidewalks in the Town of Lindsay.

Specifications may be seen and form of tender obtained at the office of the Town Clerk, during office hours.

ffice hours.

A marked check for five per cent, of the tenered price must accompany each tender, and rill be returned when contract is awarded.

The lowest or any tender not necessarily ac-

W. C. WAY, F. KNOWLSON, Town Engineer, Town Clerk,

City of Winnipeg

PROPOSALS FOR SUPPLY OF ELEC-TRIC POWER AND WATER POWER LOCATIONS

The City of Winnipeg invites proposals for the supply of Electric Power upon certain conditions, a copy of which may be obtained upon application at this office, and also proposals from parties who own Water Powers for the sale to the City of such Water Power. The proposals shall be addressed to Ald. J.W. Cockburn, Chairman of the Special Power Committee, and will be received at the office of the undersigned up to 12 o'clock noon on Monday, June 12, 925.

ELECTRIC POWER.

RIJECTRIC POWER.

The maximum quantity of power to be used at any time will be 1,500 horse power.

The power is to be delivered to the City at a point to be agreed upon, east of Main Street, and will be paid for by the City monthly, the quantity used will be determined by Watt Meeters placed on the City's incoming switch-test placed on the City's and the contract of shall submit with such tender a deposit in cash or marked cheque of \$5,000. In case of acceptance of such tender the contractor shall deposit an additional \$20,000 within thirty days; said two sums to be retained by the City as security for the complexion of the company's works to develop the Water Fower and for the works and plant necessary for the transmission of same to the City.

WATER POWER LOCATIONS.

WATER POWER LOCATIONS.
In addition to the above the City will receive proposals from parties who own Water Powers for the sale to the City of such Water Power, such proposals to be accompanied by plans showing the location of such Water Powers and any works of development which may be done upon them.

The City reserves the right to reject any or all tenders or to accept any bid which appears advantageous to the City of Winnipeg.

C. J. BROWN, City Clerk.

City Clerk's Office, Winnipeg, Canada, May 13th, 1905.

TENDERS

will be received until 5 p.m. on SATURDAY, MAY 20TH, for the erection of two houses, one on Wanton Crescent, Rosedule, and one on Callendar Street.

GORDON & HELLIWELL,
Architects,
Confederation Life Bldg.

Notice to Builders

Advertiser is open for an engagement as Foreman Storncutter-yard or building. Able to take charge of the best class of work and give reliable estimates. Address "Experience," P. O. BOX 547, Winnipeg, Man.

TOWN OF MEDICINE HAT TENDERS WANTED

The Town of Medicine Hat has the following four lots of Municipal Debentures for sale, for which tenders will be received up to 9 o'clock on the 19TH DAY OF JUNE, 1905:

\$12 000.00 Natural Gas, \$10,000.00 Water works, \$30,000.00 Municipal Building, \$3,000,00 for the purchase of the New Edinburg Natural Gas well, Gas and Water plant.

Natural Gas well, Gas and Water plant.
These four lots of Debentures all date from the lat of August, 1905, bear interest at 5% and are repayable in 20 equal annual instalments of principal and interest. For particulars address the undersigned. The highest or any tender not necessarily accepted.

W. N. ADSIT, Secretary-Treasurer, Town of Medicine Hat,

TO CONTRACTORS

Sealed tenders, endorsed "Tenders for Bridges" and addressed to J. A. Cockburn, Tenders of the C

lowest or any tender not necessarily

(Sgd) W. E. CRAIN, Reeve, (Sgd.) J. A. COCKBURN, Clerk, (Sgd.) W. H. MAGWOOD, Engineer. Crysler, May 12, 1805.

CONTRACTS OPEN.

SALMON RIVER, N.B.-The Bay Shore Lumber Co. will extend their mills

REGINA, N.W.T .- St. Paul's church be enlarged at an approximate cost of \$15,000.

PORT ARTHUR, ONT .- Merrill & will build an addition to the Algoma Hotel.

BRADFORD, ONT .- Steps are be ing taken towards constructing a water-

PORT HOPE, ONT .- Plans for new St. George's church will likely be decided upon this week.

PARRY SOUND, ONT .- Plans will be prepared immediately for improve-

ments to Trinity church.

SOMERSET, MAN.—Bids wanted
by P. E. Bourque up to 25th inst. for
erection of brick residence.

COWANSVILLE, QUE.—The East-ern Townships Bank will erect a new building on Victoria square.

COLLINGWOOD, ONT. — The Bryan Manufacturing Co. purpose building a large brick warehouse.

MAGOG, QUE.—The question of erecting a post office here is under consideration by the Government.

LIME LAKE, ONT.—Tenders desired by A. C. McConnell up to June 1st for erection of Methodist church.

SPERLING, MAN .- Amos Davison is taking tenders up to 20th inst. for erection of Methodist parsonage.

MEDICINE HAT, N.W.T.—Plans will be prepared at once for a large edifice for St. Barnabas congregation.

MEAFORD, ONT. — The Baptist congregation have decided to build a new church, 85 × 45 feet, cost \$5,000.

GUELPH, ONT. — Macdonald & Drew are taking tenders for erection of brick house for Mrs. B. R. McConkey.

PORTAGE LA PRAIRIE, MAN.— The Canada Malting Co. have secured a site here for their proposed building.

AURORA, ONT.—Bids received by S. H. Lundy, Town Clerk, up to June 5th, for purchase of \$5,000 5 per cent. debentures.

WATERLOO, ONT .- Contracts will be let immediately for new Evangelical church, red brick, seating capacity 600, cost \$13,000

NIAGARA FALLS, ONT .- Dr. I. H. McGarry will enlarge his residence.—A company is being formed to build a

LISTOWEL, ONT. — The Mannell Estate want tenders by 22nd inst. for erection of white brick hotel. W. E. Binning, architect.

WEYBURN, N.W.T. - John Mc-Taggart is taking tenders up to 20th inst. for erection of stone and cement Methodist church.

OUTREMONT, QUE. — Bids received by J. Kruse, secretary treasurer, up to 19th inst., for construction of 1,600 feet of 2 x 3 sewer.

VIRDEN, MAN.—The plans of V. W. Horwood, architect, of Winnipeg, have been accepted for new school here, cost about \$30,000.

DORCHESTER STATION, ONT. -Bids for purchase of \$4,895.55 drain debentures will be received by W. B. Lane up to 20th inst.

CARLETON PLACE, ONT.—A. R. G. Peden, Town Clerk, desires bids by 18th inst. for supply cf from one to ten cars of Portland cement.

BEAVERTON, ONT .- Knox church will build a new manse.—B ds desired by C. A. Paterson by 27th inst. for \$10,-000 4 per cent. debentures.

NAPANEE, ONT. - R. S. Kelsch, C. E., Montreal, has reported to the Town Council on improvements and additions to the electric light plant.

CHICOUTIMI, QUE.-Tenders wanted by the Department of Public Works, Ottawa, by Wednesday, May 31, for erection of post office building here.

WIARTON, ONT.—W. J. Ferguson, Village Clerk, wants bids by Monday, June 5th, for purchase of \$10,368.09 4½ per cent. local improvement debentures.

MOUNTAIN, ONT .- S. Larue desires tenders by 22nd inst. for erection of two concrete abutments for a steel bridge over the Nation river at South Moun-

SYDNEY, N. S .- A meeting of the Asylum Commission was held last week, at which it was decided to procure plans for suitable building from different architects.

BROCKVILLE, ONT .- The D. Burrell Co., of Little Falls, N.Y., have purchased a site on Henry street and are having plans prepared for their proposed building.

NOTRE DAME DE GRACE, QUE. -The Credit Municipal Canadien has offered to loan the municipality the funds necessary to establish a municipal waterworks system.

MINIOTA, MAN. — Tenders re-ceived by William Howard, Secretary-Treasurer, up to June 13th, for building

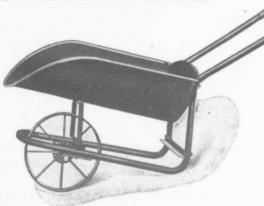
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THE BEST CONCRETE BARROW ON THE MARKET.

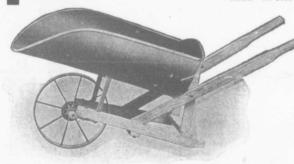
ROLLER BEARING WHEELBARROWS

are built on scientific principles.

They are designed to carry 50% larger load than the ordinary barrow with less exertion.



"ACME" All Steel Foundry and Coal Barrow.



EASIER TO PUSH

EASIER TO DUMP

"Contractors Favorite."

Specially adapted for Concrete Work.

A trial order will convince and please you: Send it.



W. H. C. MUSSEN & CO.

RAILWAY, MINING AND CONTRACTORS' SUPPLIES.

MONTREAL

superstructure of bridge over the Assiniboine river.

BIRTLE, MAN.—T. W. Thomson wants tenders by 27th inst. for erection of bridge, with stone abutments, across the Bird Tail creek. Plans at C. J. Mickle's office.

BARRIE, ONT.—The School Board will invite architects to submit plans by June 9th for new eight-room school for South Ward, including system of heating and ventilating.

NEW CARLISLE, QUE.—Tenders desired by the Depattment of Public Works, Ottawa, up to June 9th for extension to wharf here. Plans on application to the Postmaster.

HUNTSVILLE, ONT. — Gordon Denton will receive tenders up to 25th inst. for erection of new church hall on High street. Alternative tenders taken in brick or concrete blocks.

NEEPAWA, MAN.—The Board of Trade have requested the Town Council to engage an engineer to take levels and report upon the feasibility of building a dam across the White Mud river.

PORT STANLEY, ONT .- The De-

partment of Public Works, Ottawa, are taking tenders up to June 5th for construction of two breakwaters at this place. Plans on application to the Postmaster.

RENFREW, ONT. — Councillors Handford, Logan and Gravelle have been appointed a committee to consult with a competent engineer as to the best method of improving the water works plant.

TEESWATER, ONT. — W. H. Green, proprietor of the electric light plant, has offered to install a new Wheelock engine provided the Council would build a one-storey engine and dynamo room.

NELSON, B. C.—A. Carrie, architect, has prepared plans for a new building for the Kootenay Lake Telephone Co., brick, one storey and basement.—F. C. Green will let the contract this week for new residence.

INGERSOLL, ONT. — The Merchants Bank will erect a building at corner of Thames and Charles streets.—Plans have been prepared by H. C. Mc-Bride, architect, of London, for enlarging the King street church.

ST. THOMAS, ONT.—About \$28,-000 will be expended in the near future in improving the waterworks system. A reservoir will be built about three miles up Kettle Creek. James A. Bell, C.E., will likely have charge of the work.

VICTORIA, B.C.—A new brick block will be built on Government street by Mr. Promis, of San Jose, California.—F. M. Rattenbury, architect, has prepared plans for a four storey building to be erected on Fort street by the Melrose

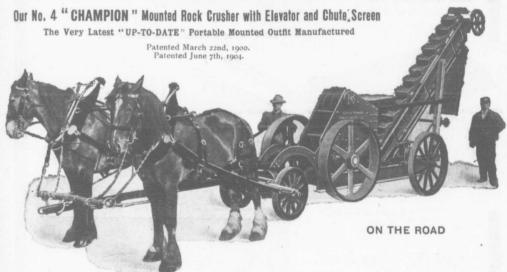
FERNIE, B.C.—The Trites-Wood Co. have decided to build their new block this year.—T. H. Tracey, C.E., will, in addition to submitting a report on a system of sewerage for this place, make an approximate estimate for a waterworks system.

system.

SASKATOON, N.W.T.—The Fire,
Water & Light Committee will give Mr.
Johnston, of Regma, a ten-year franchise
for lighting, in consideration of which he
will install an electric plant.—Thomas
Copland is getting plans drawn for new
house.

FORT FRANCES, ONT. — The Backus-Brooks Co. have selected a site

THE GOOD ROADS MACHINERY COMPANY, LIMITED, Hamilton, Canada



The Steel "CHAMPION" Rock Crusher is the result of years of practical experience in crushing Rock from the limestone Ridges to the very hardest Syenite Rock. For crushing hard Boulders they have been proved to be superior to all competitors.

All mechanics agree that the simpler the machine the more valuable it is. In complicated machines look out for trouble and expense.

NW Send for latest printed matter and our 1905 Calendar to

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SALT GLAZED VITRIFIED

DERRICKS

We manufacture every class of Hoisting Derricks both for Hand or Power. Write for our price list of Standard Builders' and Contractors' Derricks, 1500 pounds to 7 tons capacity.

MILLER BROS. & TOMS

for a new dock.—Work will be commenced within a few days on a new block for the Wells Hardware Co., 60 x 80 feet, 3 stories, brick and stone, cost \$35,000.

WINDSOR, ONT. — By-laws were defeated here last week to raise \$30,000 to improve the electric light plant, and to grant exemption from taxation to the Standard Paint & Varnish Co., the Peninsular Tool Co., and the Norris Kollar & Kuff Co.

BRANTFORD, ONT.—The directors of the Y. M. C. A. have decided to enlarge their building on Wellington street.—The American Radiator Co. have acquired the old Cockshut Plow Works and intend engaging on a large scale in the manufacture of radiators.

manufacture of radiators.

MITCHELL, ONT.—William Davidson, County Clerk, will receive tenders
up to Tuesday, June 6th, for construction
of a steel bridge across the Thames
river at the town line of Fullarton, Blanshard and Downie, also for construction
of abutments, wing walls and approaches.

EDMONTON, N.W.T.—A vote of the ratepayers will be taken on a proposal to spend \$5,500 for additional fire protection equipment.—Plans have been completed for new block for Merchants Bank.—The Committee have purchased a site on Howard street for the new Y.M.—C.A. building.

GODERICH, ONT. — The Waterworks Committee have reported that it will be necessary to extend the intake pipe about 2,000 feet and that the cost of laying a 20-inch pipe will be \$6.20 per foot. J. A. Fowler, architect, is preparing plans for a residence for J. P. Brown, also for E. Fisher, of Colborne.

PETERBORO, ONT.—It is learned that work is likely to be commenced immediately on new opera house. Walter Stocker is the promoter.—J. E. Belcher, architect, has prepared plans for an extension to All Saints' church.—St. John's congregation have appointed a committee to procure plans for a new rectory.

OWEN SOUND, ONT. — W. B. Stephens will erect a residence on the lot recently purchased on Boyd street.— J. C. Kennedy is about to build a concrete building on the LePan corner.— Forster & Clarke, architects, are taking tenders up to the 19th inst. for erection of coal store house for the corporation.

HAMILTON, ONT.—Building permits have been granted as follows: William Kerr, brick residence, Herkimer street, between Locke and Garth streets, cost \$1,800; Miss M. Elder, two brick residences, Erie ave, cost \$3,500; Thomas Lewis, four brick residences, corner Barton and Locke streets, cost \$5,000.

HULL, QUE.—City Engineer Hamel has recommended the construction of a 30-inch cast iron intake pipe costing \$24,500 and other improvements involving a total outlay of \$51,000.—The George Mathews Co. are taking tenders up to 18 h inst. for extension of packing house Plans by W. E. Doran, architect, Montreal.

ST. JOHN, N.B.—The City Council have decided to build a wharf and warehouse on the west side, cost about \$300,000.—W. A. Magee will build a residence on Lancaster Heights.—The contract for the new home for the St. Vincent de Paul Society and for remodelling the Canada Permanent Building will likely be awarded this week.

OTTAWA, ONT.—J. P. MacLaren, architect, is taking tenders on the Erskine Presbyterian church.—The Private Bills Committee of the Ontario Legislature have thrown out the bill to raise \$65,000 for waterworks extensions in this city.—J. R. Booth will erect a two-storey building on the site of the old stone shipping office at the Chaudiere.

CHATHAM, ONT. — E. Jordan is taking tenders up to 18th inst. for erection of residence, from plans by T. J. Rutley, architect.—W. M. Warburton, manager Chatham, Wallaceburg and Lake Erie Railway Co., desires tenders by Saturday, 20th inst., for supply of 60,000 cedar ties and 1,000 cedar poles, to be delivered at Chatham.

ST. BONIFACE, MAN.—T. Bertrand, Secretary-Treasurer, requests ar-

WATER WASHED SAND

Is as cheap as pit sand and gives 50 per cent. stronger concrete or motar.

The City of Toronto have contracted for all the sand they use for 1905 with this Company since using it in 1904 and 1904. Stock always on hand. Try it.

SAND & DREDGING, Limited
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JOHN GALT, C.E.&M.E.

MEM. CAN. Soc. C.E. AND C.E.A., ETC.

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Specialties—Water Supply and Sewerage.

JOHN S. FIELDING Mein. Soc. C. R. West Penn. '87.

CONSULTING ENGINEER

Water Powers Dams, Bridges
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J. A. I., WADDELL,
Mem. Can. Soc. C. E.
Mem. Inst. C. R.
Mem. Am. Soc. C. E.
Mem. Lant. C. E.
Mem. Mem. Am. Soc. E. C.

Waddell & Hedrick

Gonsulting Bridge Engineers

Canadian Head Office:
Manning Chambers, TORONTO, ONT.
Montreal Office: 185 St. James Street.

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The Warren Bituminous Paving Co., Limited 164 Bay Street, TORONTO, ONT.



Handsome Illustrated Catalogue and Calendar on Application.

chitects to submit plans by May 31 for a city hall about 50 × 70 feet, of brick and stone, 3 stories and basement, cost not to exceed \$40,000, also plans for a combined fire hall and police station to cost not above \$8,000. Bids for construction of sewers will be received up to 22nd inst.

inst.

QUEBEC, QUE,—Provincial aid is being asked for construction of branch of Quebec and Lake St. John railway from Valcartier for a distance of 17 miles through the counties of Quebec and Port Neuf.—Hutchison & Wood, architects, Montreal, have prepared plans for extensive interior alterations to the Methodist church, corner Dauphine and Stanislas streets.

LONDON, ONT.—The congregation of All Saints Church are considering the question of enlarging the present church building or erecting a new structure.—
E. McRoberts will build a brick residence on Grosvenor street.—The Grand Trönk will spend a large sum this summer in improvements on the old main line between Glencoe and Windsor, and on the main line between of this city.

mer in improvements on the old main line between Glencoe and Windsor, and on the main line east of this city.

FORT WILLIAM, ONT.—The rate-payers have unanimously adopted a bylaw to grant a bonus of \$300,000 to the Grand Trunk Pacific Railway to purchase a site for car shops, offices, etc.—F. R. Morris will build a \$10,000 residence in the Vickers addition. — Superintendent McCauley has been instructed to purchase two transformers and make improvements to the electric light plant, at annoxymate cost of \$4,000.

approximate cost of \$4,000.

MONCTON, N.B.—The Intercolonial Railway will shortly unite tenders for new workshop 150×658 feet, and new erecting shop containing 24 pits, also for building for stores and offices, all of brick and stone.—D. Pottinger, manager Intercolonial Railway, will receive tenders

up to May 31st for substructure of a double-track bridge to be erected near Bedford Station, N.S., and for the substructures of two single track bridges, one near Mitchell Station, the other near St. Leonard Junction Station, Que.

VANCOUVER, B.C. — The British Columbia Telephone Co. have purchased central property for the purpose of erecting a new exchange. The company propose to expend about \$250,000 in improving their system.—It is understood that a site has been finally selected for a new post office building.—Kelly, Douglas & Co., wholesale grocers, will erect a large building on north side of Water street, six stories and double basement, cost \$60,000. Plans for same have been prepared by W. T. Whiteway, architect, who has also taken tenders on a new building to be built by Robert Kelly and Frank Burnett.—Stephen Jones, of Victoria, has been granted a permit for a \$70,000 building to be built at corner of Homer and Hastings streets.—An addition to the premises of the Empress Manufacturing Company will be commenced shortly.—The time for receiving tenders for St. Paul's church has been extended to 29th inst. W. H. Archer, architect.—The C.P.R. are taking ten-

ders for replacing of timber piers with concrete in the railway bridge over Pitt river.

WINNIPEG, MAN.—Plansof Methodist parsonage to be built at Sperling, Man., may be seen at the office of James Chisholm, architect, this city. Tenders close May 20.—The ratepayers on Pembina street, south of the C.N.R. branch, have requested that a school be built in that district.—The Department of Public Works have had under investigation since last Fall the question of how best to improve the system of water navigation of the Great Lakes. Two alternatives are under consideration, one being to enlarge the canal already built, the other to build what is known as the Georgian Bay canal.—The managers of the Central church have appointed a committee to report on the enlargement of the edifice.—John Macdonald, of St. Charles, will shortly erect a brick hotel on the site of the Kastner block on Notre Dame ave., four stories in front and three in rear, cost \$31,000.—The new church for the Point Douglas Presbyterian congregation is assured. The building will occupy a site 115 × 132 feet, fronting on McDonald ave., cost \$20,000.—The Sub-Committee on Power

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will, in the course of a few days, advertise for bids for a supply of electric energy.—H. C. Stone, architect, has just taken tenders on a residence in St. Boniface for H. Beleveau.

face for H. Beleveau.

MONTREAL, QUE.—L. O. David,
City Clerk, desires inders by noon of
18th inst. for suprly of a five-ton steam
asphalt roller.—Plans have been submitted to the Fire Committee for a new
station for St. Denis Ward, to cost \$10,000.—A. F. Dunlop, architect, has been
engaged to prepare plans for the new
Senior school to be built by the Protestant Board of School Commissioners on
Sherbrooke street. — The contract for
the steel superstructure of the large
bridge across the Lachine canal at Atwater ave. will shortly be awarded by the
Department of Railways & Canals. —
Plans of wharf to be constructed at New Department of Railways & Canals.—
Plans of what to be constructed at New Carlyle, Que., may be seen at the office of C. Desjardns, Clerk of Works, Post office, this city.—The directors of the Y.M.C.A. have reported in favor of extending and remodelling the Pointe St. Chailes building.—John Dillion has been granted a permit to erect a large residence on MaGregor street, near Simpson, 3 stories, of Indiana stone, cost \$16,000.—The Governors of the new Alexandra Hospital announce that the building operations will shortly be begun. The secretary is E. S. Clouston, 16 St. Sacrament street. — Walter Lowney, chocolate manufacturer, New York, will build a large factory on William street, this city. this city.

this city.

TORONTO, ONT.—J. Wilson Gray, architect, has been commissioned to prepare the plans for the new Knox church to be built on Spadina ave. The builting will be constructed chiefly of 1.500.—Tenders are wanted at 524 Yonge street for brick and carpenter work for residence in Rosedale.—Plans of two breakwaters to be constructed at Port Stanley, Out., may be seen at the office of H. A. Gray, C.E., Confederation Life B'dg, this city. Tenders close June 5th.—The Toronto Builders' Exchange have had plans prepared for a building suitable for their purposes to be built on the nor.h-west corner of Bay and Adelaide streets. The ground floor will probably be fitted up for a bank or offices.—The

necessary funds have been subscribed for the new National Club building to be erected on Bay street and the work of construction will be commenced as soon as some details are settled. The estimated cost is \$80,000.--The congregation of the Church of the Ascension are considering the disposal of their present church and the building of a smaller edifice, at a cost of about \$20,000 .-

Plans have been prepared by John M. Lyle for the new Caven Memorial Library building at Knox College, to be 160 × 38 feet, of white brick, cost \$30,000.

—The University Senate are taking active steps towards the erection of four residences for the students to cost in the residences for the students, to cost in the neighborhood of \$40,000 each.—The Toronto Railway Co. intend bulding new car barns in the neighborhood of

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						ı dy.	7 dys.	28 dys.	3 mos	ı yr.	ı dy.	7 dys.	a8dys,	3 mos.	ı yr.	Where Made.
Alpha	0. K.	3-177	9.3	222	399	292	752	811	868	841	57	197	271	317	327	United States
Atlas	O. K.	3.100	9.3	152	387	385	579	622	710	712	61	186	246	305	339	
Hercules	11% failed	3.159	7.1	120	240	292	696	836	777	711	51	174	222	242	231	Canada.
Imperial	O. K.	3.213	6.2	40	75	250	352	400	484	485	61	128	176	254	321	**
Lehigh	O. K.	3.183	9.1	166	356	348	746	849	897	880	73	201	273	334	361	United States.
Monarch	4% failed	3.154	7.5	176	355	366	653	701	731	701	66	173	242	303	355	Canada,
NATIONAL	O. K.	3.135	2.1	162	345	307	701	783	827	804	74	214	299	367	368	44
Rathbun's Star	O. K.	3.140	5.0	123	305	359	581	640	677	676	75	193	255	313	349	
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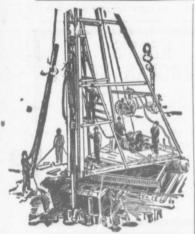
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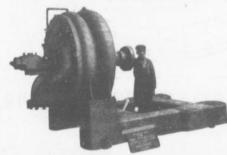
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Bathurst street.-Cecil B. Smith, consulting engineer, is reporting on water sulting engineer, is reporting on water powers on the Blanche and Ottawa rivers.—Fairbanks, Morse & Co., manufacturers gas engines, pumps, etc., Chicago, have purchased a site on Bloor street west on which to build a large factory.—Bridge Engineer Williams is preparing plans for two new public lavatories, one underground at Spadina avenue and Queen street and one above ground at Yonge and Cottingham streets, cost about \$5.400 each.—City Architect cost about \$4,500 each.—City Architect
McCallum has completed plans for new Cowan ave. fire hall, cost \$25,000.—Dar-ling & Pearson, architects, are preparing plans for a new bank building to be erected by the Canadian Bank of Commerce at 197 and 199 Yonge street. Tenders will be invited shortly.

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NEEPAWA, MAN. - Presbyterian anse: W. W. Moore, contractor, about \$4,000

SPRINGHILL, N. S.—New Y.M.C.A. building: Silliker & Co., of Amherst, contractors

ST. JOHN, N. B. — Alterations to building for D. Magee's Sons: James Myles, contractor.

CHATHAM, ØNT. — Alterations to First Presbyterian church: Robertson & McKie, contractor.

CRANBROOK, B.C.-Bank of Commerce building: Crowley Bros., Fernie, contractors.

GUELPH, ONT.—Supply of cement : Ontario Portland Cement Co., Brantford, successful tenderers.

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FREEPORT, N. S.—Building government breakwater: Mr. Bigelow, of Canning, successful tenderer, \$13,700.

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MONTREAL, QUE. — Supply of crushed stone for Road Committee: O. Martineau, 30,000 tons at 38 cents a ton.

BERLIN, ONT.—Heating Methodist church: James Smart Manufacturing church: James Smart Manufact Co., Brockville, successful tenderers

NELSON, B. C.—Residence for F. C. Green: A. Carrie, architect; William Park, contractor, price about \$4,000.
SUSSEX, N. B.—Rifle range for Dominion Government: J. A. Bourque and Angus Gobang, of Moncton, contractors.

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COLLINGWOOD, ONT.—Rebuilding
the Masonic block: Brick work and
masonry, A. Courts; carpentry, C. Mickler; plastering, J. Lockton; tinsmithing
and plumbing, W. Parrott; painting, M.
Thompson; roofing, J. A. Smith.—Residences for Thomas Hill and Samuel
Bailey: Samuel Woolner, contractor.

Bailey: Samuel Woolner, contractor.

GALT, ONT.—Cement abutments for Greenfield bridge: Eichler & Fraser, New Hamburg, successful tenderers, \$3.09 per cubic yard. Other tenders: Patterson & Ellis, St. Marys, \$6.50; C. Topp, Brantford, \$6.25; Rowan & Elliott, St. Catharines, \$4.70; Mr. Talbot, London, \$5; Geo. Bulmer, Conestogo, \$3.70. WINNIPEG, MAN.-King's school on

Ellice ave. : Masonry, \$23,850, Sharpe; carpentering, \$12,135.50, S. B. Ritchie; painting and glazing, \$2,070, J. A. Payne; tin and galvanized, \$2,697, Douglas Bros.; plumbing, \$657, A. T. Douglas Bros.; plumbing, \$657, A. T. Mernaghan; electric wiring, \$400, D. H. Hudson; heating and ventilating, \$3,680, W. F. Rutley Co.

REGINA, N. W. T.—Erection of new Victoria school: A. Kaltenbrunner, this place, successful tenderer, \$48,000. Other tenders: Neil Stuart, \$55,937; A. A. Goodwin and W. A. Wilson, \$58,737; S. Brown & Co., Winnipeg, \$59,200;

Willoughby & Mollard, \$58,980.—Wood, Gundy & Co., Toronto, are successful tenderers for purchase of \$60,000 of debentures, at premium of \$1,027.

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OTTAWA, ONT.—For supply of 10-ton road roller tenders were received as follows: Julian Scholl & Co., New York, \$2,700 (accepted); Acme Road Machinery Co., Frankfort, N. V., \$2,675; Hamilton Engine & Thresher Works, \$3,000; Hugh Cameron & Co., Brantford, \$2,750; Chaudiere Machine & Foundry Co., Ottawa, \$2,950; Climax Road Machinery Co., London, Eng., \$2,005 f. o. b. London.



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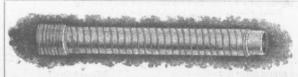
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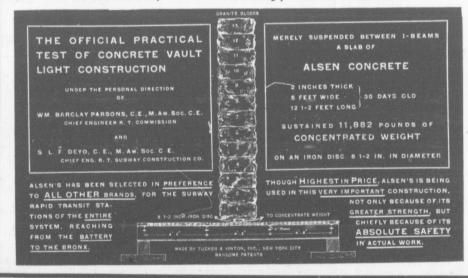
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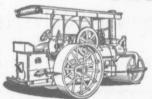
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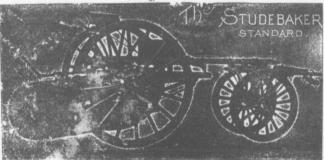
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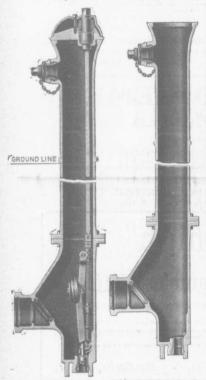
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Municipal authorities and engineers will be interested in the accompanying illustrations and some particulars of the Fairbanks fire hydrant. This is a patented direct solid stream, anti-freezing fire hydrant.

hydrant.

It has a free waterway from the valve opening to the hose nozzle, and there being no operating rod or other fixtures to interfere, a "solid stream of water" is delivered to hose lines. The long, easy curves of the waterway of this hydrant embody the principles and advantages claimed for such construction by experienced mechanical and hydraulic engineers, the whole idea being to avoid perienced mechanical and hydraulic engineers, the whole idea being to avoid friction and consequent loss of head pressure. The drain is located below main valve, thoroughly draining all water from the stand pipe; and it is claimed to be absolutely impossible to freeze this hydrant if precautions are used to provide a place into which water from stand pipe can flow. can flow.

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The Fairbanks Hydrant, Fairbanks Hydrant Barrel with Interior Working Parts Removed.

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simply removing four bolts that secure the head to the stand pipe, when all interior working parts can be withdrawn through the barrel; an examination can be made and any obstruction removed without digging up the hydrant or disturbing the pavement. All parts are interchangeable. Frost cases are unnecessary with this hydrant if set properly, as no water remains in the barrel, and the lines of the stand pipe being straight and smooth, with peculiar shape of hydrant bottom, gives it an anchorage on which the heaving of the ground around hydrants caused by frost has no effect.

All interior working parts are of brass

by frost has no effect.

All interior working parts are of brass or are brass mounted. The operating stem and three connecting pins on which the gate and stem nut arms operate are of solid rolled Tobin bronze. The main valve is a heavy bevelled disc of specially grounded rubber.

moulded rubber. Further particulars from the Canadian Fairbanks Company, Montreal, Toronto, Winnipeg or Vancouver.

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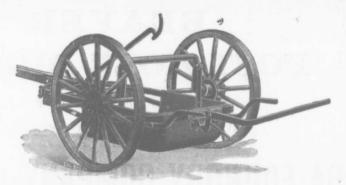
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