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# THE CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF THE PUBLIC WORKS AND TENDERS

EVERY

PUBLIC WORKS TENDERS  
ADVANCE INFORMATION  
AND MUNICIPAL PROGRESS

WEDNESDAY

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

VOL. 9.

JANUARY 18, 1899

No. 51.

## THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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## WANTED

For manufacturing business, draughtsman with  
several years' experience in architect's office. State  
age, experience and salary expected.  
Box 75, CONTRACT RECORD.

## TENDERS WANTED

Tenders are asked by the County Council of Kent  
for the construction of a through pin-connected Steel  
Truss Bridge of two hundred and twenty feet span over  
the River Thames, at the site of the Moravian bridge,  
in the County of Kent, Ontario, and of two Masonry  
Abutments.

Plans and specifications by W. G. McGeorge, County  
Engineer, may be seen at the office of the County  
Clerk at Chatham, or specifications may be obtained  
by applying to him.

Tenders must be in the County Clerk's hands on or  
before the 24TH DAY OF JANUARY, 1899.

No tender necessarily accepted.  
J. C. FLEMING,  
Clerk County Kent.

Chatham, Dec. 28th, 1898.

## MAIN TRUNK SEWER

OTTAWA, ONT., Jan. 16, 1899.

Sealed tenders, endorsed "Proposals for Main  
Trunk Sewer," will be received by the undersigned up  
till Noon on

Monday, 6th February, 1899,

at the City Hall, for the construction complete of the  
following works:

1916 lineal feet 6' Circular Brick Sewer.  
6016 " " 5' " " " "  
2980 " " 4' " " " "  
1332 " " 2' 0" x 3' 0" Egg-shaped Sewer.

Average depth of cutting, 21 feet, through earth and  
rock.

Plans and specifications may be seen at the Engineer's  
office on and after Tuesday, the 24th inst., from whom  
forms of tenders and full particulars can be obtained.

Proposals must be accompanied by a certified bank  
cheque, payable to the order of the City Treasurer, for  
five per cent. of the tender, to be retained as security  
for the satisfactory completion of the work.

The corporation do not bind themselves to accept the  
lowest or any tender.

JOHN GALT,  
City Engineer.

## TENDERS WANTED

Sealed tenders, addressed to the undersigned, will be  
received up till 12 o'clock noon, WEDNESDAY, THE  
25TH DAY OF JANUARY, 1899, for the

### Hot Water Heating and Plumbing

required in the Court House for the County of Elgin.  
Plans and specifications can be seen and forms of  
tender obtained at the office of N. R. Darrach, Archi-  
tect, Talbot Street, St. Thomas, Ont.

A deposit in the form of a marked cheque, payable to  
the County Treasurer, for 3 per cent. of the amount of  
tender, must accompany each bid, also signature of  
parties offered as security for the due completion of the  
work.

The lowest or any tender not necessarily accepted.

K. W. McKAY,  
Clerk of the County of Elgin,  
St. Thomas, Ont.

## CONTRACTS OPEN.

LINDSAY, ONT.—The Rathbun Com-  
pany's mill here is to be enlarged.

CAMPBELLTON, N.B.—The corporation  
will issue debentures to the amount of  
\$25,000.

THAMES VALLEY, ONT.—James Smith  
intends building a brick residence next  
summer.

NEWBURY, ONT.—J. L. Heatherington  
purposes erecting a dwelling house next  
summer.

PLATTSVILLE, ONT.—Richard Brough-  
ton will build a two-storey residence in the  
spring.

ATTERCLIFFE, ONT.—Andrew Sensa-  
baugh is preparing to build an addition to  
his dwelling.

CHATHAM, N.B.—Chief Hocken, of the  
Fire Department, has asked for a hook  
and ladder truck.

HIBBERT, ONT.—George Smale is pre-  
paring to erect a brick residence during  
the coming summer.

THORNHILL, ONT.—Mr. Francis, post-  
master, purposes building a modern  
dwelling house.

WINDSOR, ONT.—Daniel Scotten will  
probably build an extensive tobacco fac-  
tory in this city.

WOODSTOCK, ONT.—Work will shortly  
be commenced on the new Norwich ave.  
Methodist church.

THESSALON, ONT.—William Thomson  
purposes building a new store, corner  
Algoma and Main streets.

WOODSTOCK, N. B.—The County  
Council have under consideration the  
erection of a jail in this town.

RAT PORTAGE, ONT.—Debentures for  
a further amount for the completion of  
the waterworks will be issued.

PAKENHAM, ONT.—James Phee will  
commence the erection of a building on  
Church street at an early date.

HUNTINGFORD, ONT.—Subscriptions  
are being solicited to cover the cost of  
brick-venereing Christ church.

CORNWALL, ONT.—A. W. James, who  
is opening a lumber yard here, will build  
a siding from the railway to his yard.

WILLOW GROVE, ONT.—The Method-  
ist congregation contemplate the erection  
of a new church in the near future.

ASHCROFT, B. C.—Smith & Bryson  
have purchased property on which they  
will shortly erect a building 26 x 44 feet.

SHELBURNE, ONT.—The town council  
will be asked to grant an appropriation  
for the building of a new school house.

NEW WESTMINSTER, B. C.—Work will  
be commenced in the spring on the new  
Methodist church to be built in this city.

RICHMOND HILL, ONT.—The question  
of building a new market is likely to be  
taken up by the new council immediately.

CARP, ONT.—A deputation from this  
vicinity are taking steps to secure the  
erection of a High School in this village.

SIMCOE, ONT.—Richard Holmes wants  
tenders by March 1st for the erection of  
two brick stores, two storeys, 32 x 71 feet.

STRAITFORD, ONT.—Local architects  
are preparing plans for a number of build-  
ings to be erected during the coming  
summer.

NORTH EASTHOPE, ONT.—Messrs  
John Moffat, J. Gibson and C. T. Cam-  
eron will each erect new residences next  
summer.

INGERSOLL, ONT.—The Mayor, in his  
inaugural address, suggested that the  
council ascertain the cost of a fire alarm  
system.

ARNPRIOR, ONT.—The business men  
of the town are in favor of taking steps to  
secure the construction of waterworks and  
sewerage systems.

WELLAND, ONT.—The Ontario legis-  
lature will be asked to grant authority to  
this town to borrow \$1,616 for constructing  
a sewer in Ward No. 3.

LONDON, ONT.—The Mayor has sub-  
mitted a proposal to have the county  
unite with the city in erecting a new city  
and county building.

CHATHAM, ONT.—The new bridge over  
the Thames river at Moraviantown, ten-  
ders for which are invited in this issue, is  
expected to cost \$16,000.

HALIFAX, N.S.—Furness, Withy & Co.,  
People's Bank Building, want tenders by  
26th inst. for the erection of a wharf  
and warehouse.

MOUNT FOREST, ONT.—The Mayor, in  
his inaugural address, referred to the  
necessity of a fire alarm system and the  
extension of granolithic walks.

HINTONBURG, ONT.—The waterworks  
by-law has been given its final reading in  
council, and the construction of the system  
will be proceeded with at once.

AMELIASBURG, ONT.—Considerable of  
the money has been subscribed for the  
construction of a bridge road across the  
marsh from this place to Belleville.

OWEN SOUND, ONT.—It is reported  
that a syndicate purposes spending a  
large sum of money in the establishment  
of cement works near this town.

GALT, ONT.—Thomas Vair, chairman

Finance Committee, wants tenders by January 30th for the purchase of \$4,281.58 of twenty-year 4 per cent. debentures.

**COLLINGWOOD, ONT.**—The Great Northern Transit Co. have decided to build a new steamer to take the place of the Northern Belle, burned last summer.

**KINGSTON, ONT.**—Half the amount necessary for building the addition to the Yacht Club building has been secured, and work will likely be proceeded with shortly.

**TEESWATER, ONT.**—John Thacker has presented to the council a proposition to erect a waggon and carriage factory, 90 x 128 feet, in consideration of a loan of \$5,000.

**PRESCOTT, ONT.**—It is probable that Mr. Willis Chipman, C.E., will be engaged to superintend the construction of the proposed waterworks system for this town.

**LANARK, ONT.**—Tenders are wanted by January 28th for the erection of a school house in School Section No. 15, Drummond. Plans at residence of J. K. McIlquhan.

**ORILLIA, ONT.**—The vote of the ratepayers to authorize the issue of \$75,000 thirty-year debentures for the power transmission plant will be taken on February 6th.

**ST. CATHARINES, ONT.**—B. J. McIntyre has deposited with the Minister of Public Works, at Ottawa, a plan of a proposed wharf to be erected in front of lock No. 9, in the town of Niagara, county of Lincoln.

**KAMLOOPS, B. C.**—Messrs. Park and Morrison have gone to England to endeavor to raise capital to irrigate some 7,000 acres of land near this place. To do this over 20 miles of channeling will be necessary.

**FERGUS, ONT.**—A bridge, costing \$2,000, will be erected over the Grand river here.—Messrs. Powell & Wideman, architects, of Guelph, have prepared plans for the new Presbyterian church to be built here, to replace the old Melville church.

**WINGHAM, ONT.**—John Ansley, county commissioner, is asking tenders for the erection of a cedar pile bridge on the boundary between Hulfett and McKillop, and for two stone abutments for the Summerhill bridge.

**TRURO, N. S.**—The question of the construction of a suitable sewerage system is agitating the ratepayers.—The Dominion government will be asked to build a line of railway between London-derry station and Parrsboro.

**NORTH TORONTO, ONT.**—At a recent meeting of the congregation of St. Clement's church, it was decided to proceed at once with the building of a Sunday school.—In his inaugural address, Mayor Davis referred to the necessity of enlarging the town hall.

**VANCOUVER, B. C.**—G. W. Grant, architect, has invited tenders for the erection of a four-storey and basement brick and stone building on Hastings street.—William Blackmore, architect, has invited tenders for a block on Cordova and Water streets, for John Burns.

**ST. JOHN, N. B.**—Messrs. Arthur H. Hilliard and Joseph T. Knight have gone to England for the purpose of laying before capitalists a scheme for the construction of another large pulp mill near this city. Surveys are now being made for the proposed mill.

**WATERLOO, ONT.**—The congregation of St. John's Lutheran church have decided to engage an architect to prepare plans of necessary improvements. These will include the addition of a number of exits, the painting and frescoing of the interior, and the purchase of a new pipe organ.

**FREDERICTON, N. B.**—The Dunganvon

and Sporting Club have decided to erect during the coming summer a club house at the upper stretch of the Dunganvon.—John A. Campbell, jr., has purchased a site at Springhill, and purposes erecting a large saw mill there next summer.

**PORT ARTHUR, ONT.**—Mr. E. S. Jenison has completed the surveys for his power canal from Kakabeka Falls to this town. The reservoir and storage basin will be situated on the high lands just west of here.—It is probable that a new boiler will be purchased for the electric light plant.

**DIGBY, N. S.**—Tenders are invited up to February 15th for the necessary plastering and plumbing for the new Manhattan Hotel. Plumbing will consist of nine bath-tubs, nine closets, set wash-basins, also kitchen and laundry. Particulars may be obtained from W. S. Troop, manager.

**FORT WILLIAM, ONT.**—Building operations promise to be quite brisk during the coming summer. It is learned that a new school house will be erected in Ward 1, that a stone and brick addition will be made to Joseph G. King's block on Victoria avenue, and that a number of private residences will be built.

**SMITH'S FALLS, ONT.**—The corporation will seek power at the next session of the Ontario legislature to issue debentures to provide school accommodation and to construct permanent pavements, roadways, granolithic walks, and sewers.—The Board of Education have asked the town to purchase the Myline property for a High school site.

**SHERBROOKE, QUE.**—It is understood that an appropriation of \$50,000 will be placed in the government estimates for the erection of a court house in this city.—On the 23rd inst. a meeting of the ratepayers will be held to approve or disprove of a by-law granting a bonus of \$15,000 to the Canadian Rand Drill Company to assist them in enlarging their works.

**ST. ANDREWS, N. B.**—Connors Bros. intend putting in brick-making machinery at Black's Harbor next spring.—Mr. Day, of the Provincial Works Department, has just returned from Wilson's Beach, where he made a survey for a breakwater to be built at that point. Mr. Day states that a survey of the harbor here will be made in the spring, with a view to improving same.

**TRENTON, ONT.**—W. H. Alexander has formed a company to deal in ice on an extensive scale. It is the intention to erect a storehouse 50 x 175 feet.—By-laws have been carried to raise, by debentures, \$10,000 as a bonus to Gilmour & Company to assist them in extending their works, and \$10,000 as a bonus to the Trenton Lumber Cutting and Manufacturing Company to assist them in establishing a wood-working factory.

**QUEBEC, QUE.**—At a meeting of the directors of the Quebec Bridge Company held last week, it was decided to award the contract about the 1st of March for the construction of the bridge across the St. Lawrence river.—The Waterworks Committee have decided to extend the aqueduct and drainage pipes to Morin street, a distance of 600 feet, at a cost of \$16,000.—The Great Northern Railway Company will probably erect a large grain elevator here.

**HAMILTON, ONT.**—The directors of the Hamilton Blast Furnace Company propose to establish a steel plant in connection with the smelting works.—It is understood that the Cataract Power Company will shortly make a survey of a definite route for the proposed electric railway from this city to Galt, Berlin and Guelph, with a view to the commencement of operations in the spring.—The city engineer is obtaining quotations on a new stone crusher and an engine for the

quarry, also for iron girders to replace the wooden supports on which the crusher now rests.—The Building Committee of the Board of Education has estimated the cost of remodelling the old Collegiate Institute building into an eight-room public school at \$3,000. The committee have recommended that the work be carried out.—The Hamilton and Toronto Sewer Pipe Company have taken out a permit for the erection of a new factory, to cost \$11,400.

**GODERICH, ONT.**—The council has instructed the town solicitor to take steps to have an act passed by the Ontario legislature authorizing the raising of \$5,000 for the purpose of improving the electric light and waterworks plants.—The town will apply to the Ontario legislature for permission to issue debentures to the amount of \$20,000 for the purpose of paying off a floating debt.—Plans are in course of preparation for a new G.T.R. station here, to be of red brick and stone.—It is reported that the management of the Grand Trunk Railway have decided to double-track their line between Goderich and Stratford.—C.P.R. officials are said to be considering the extension of their line from Guelph to this place.—The Board of Trade has passed a resolution urging the Dominion government to place in the estimates a sum sufficient to complete the harbor dredging here to a depth of 20 feet.

**WINNIPEG, MAN.**—J. Greenfield, architect, has invited tenders for alterations and improvements to building, No. 471 Main street, for the Confederation Life Association.—Hon. R. Watson, Minister of Public Works, leaves this week for the Dauphin district, to arrange for the construction of two bridges across the Swan and Rolling rivers.—J. H. G. Russell, architect, invites tenders up to 5 p.m. on January 21st for the erection of a brick residence on Edmonton street for Charles Williams.—Col. Ruttan, city engineer, in his annual report, states that the city requires at the present time at least 40 miles of water pipes. The pipes of the old company, which have just been purchased, amount to about one-half the above mileage.—Mr. W. W. Ogilvie, of Montreal, has donated the sum of \$13,000 towards the completion of the Jubilee wing of the general hospital.—It is understood that the Rat Portage Lumber Company will, at an early date, commence the construction of their proposed saw mill in this city.

**MONTREAL, QUE.**—The city clerk desires tenders by Tuesday, 24th inst., for the supply of 3,000 tons of Nova Scotia soft steam coal, 1,150 tons of Welch anthracite coal, and 52 tons of American anthracite stove coal.—It is stated that if the Grand Trunk authorities refuse to give the Canada Atlantic Railway running powers from Coreau to Montreal, a new line will be constructed from Montreal to Howick.—Mr. Louis Coste, chief engineer of the Dominion Public Works Department, is making a tour of the leading British and continental ports, with a view of reporting on the best methods for improving the harbor facilities of Montreal.—The Montreal Street Railway Company have decided to erect new workshops on the site of the burned building in Hochelega. The plans have not yet been prepared, but it is thought that \$50,000 will cover the cost. The rumor that the company would build cars for the other street railway systems is denied.—The Market Committee have appointed a sub-committee to consult with the inspector of buildings regarding the preparation of plans for the repair and reconstruction of the burned abattoir and cattle stalls in the east end. The question of the extension of Bonsecours market is under consideration again.—Eug. Lafontaine will ask for incorporation for a company to build a steam or electric railway from Klondyke City to Indian river, in the Yukon district.

—L. O. David, city clerk, desires tenders by noon of the 19th inst. for the reconstruction of the water tower.

**OTTAWA, ONT.**—The Ottawa Abattoir Company propose to commence work at once on their new abattoir at Hintonburg.—It is understood that the government will place an appropriation in the estimates this year for a new geological survey building, plans for which are now being prepared by the Public Works department.—The Board of Works will ask the Finance Committee for \$3,000 for the purchase of stone.—A representative of the Toronto Rubber Company, whose factory at Port Dalhousie was burned recently, interviewed the Mayor last week to ascertain what inducements this city would offer to secure the establishment of the factory here. The building to be erected will cost about \$100,000.—The promoters of the Bank street bridge believe that their application for a charter will be granted at the ensuing session of parliament. As soon as a charter is obtained, steps will be taken to carry out the work.—The Ottawa and New York Railway Company have decided to expropriate a large tract of land situated in Stewarton. The property is required for car shops and yards.—Property owners on Chapel street, from Theodore to Osgoode streets, intend petitioning for a permanent pavement.—Tenders are being invited for a portion of the main drainage works and tenders for the third section, that between Templeton and Bell streets, are wanted by February 6th. This work includes 1,960 lineal feet of 6-foot brick sewer, 6,016 ft. of 5-foot brick sewer, 2,080 feet of 4-foot brick sewer, and 1,332 feet of 2 x 3 feet egg shaped sewer.—Chief Provost, of the Fire Department, in his annual report, recommends the purchase of another steamer, two hose wagons, 5000 feet of hose, and 50 salvage covers.—E. F. E. Roy, secretary Department of Public Works, invites tenders until Monday, 23rd inst., for a new head block and repairs to wharf at China Point, Queen's County, P. E. I. Plans at above department and at Charlottetown and China Point.—The French Committee of the Separate School Board will shortly decide upon a site for the proposed new school in lower town.—Plans are being prepared for the new headquarters of the Dominican Order to be erected in this city.—Local architects are reported to be preparing plans for a number of residences and other buildings to be erected during the coming season, and it is anticipated that building operations will be unusually brisk.—The Pontiac & Pacific Junction Railway Co. will shortly extend their line from Aylmer to this city. Most of the rock-cutting will be done this winter.—The congregation of the Unitarian Church have purchased property at the corner of Elgin and Lewis streets on which to erect their proposed church, the plans for which have been prepared by a Boston architect.—The transformer station of the Metropolitan Electric Company will probably be erected near the Maria street bridge. The entire cost of the plant of this company is estimated at \$280,000.

**TORONTO, ONT.**—Dr. Sheard, Medical Health Officer, proposes to include in his estimates for this year an appropriation to cover the cost of erecting a new smallpox hospital and an additional wing to the isolation hospital.—It is probable that competitive plans for the proposed St. Lawrence market improvements will be called for immediately.—The Grand Trunk Railway Company will likely undertake during 1899 a large amount of work on various sections of the line.—Messrs. Darling & Pearson, architects, of this city, are preparing plans for a bank building to be erected in Winnipeg for the Canadian Bank of Commerce. The front

elevation will be cut stone, and there will be heavy columns to the first storey, Corinthian capitals, stone portico, stone cornices, etc. The banking room will be 52 x 40 feet, with tile floors, vaults, and all modern improvements. The building will be heated by hot water and wired for both gas and electric light. It is probable that Mr. Charles H. Wheeler, of Winnipeg, will be supervising architect.—The city will seek power to issue debentures to the amount of \$150,000 for the purpose of completing the new city building, opening the Rosedale Valley road, and putting in water mains.—The City Engineer has been instructed to report upon the cost of a brick pavement between the car tracks on Queen street west, from Dufferin street to Roncesvalles avenue. The Board of Works has approved of the Humber river bridge project, and the council will be asked to provide \$14,000 for constructing the bridge.—Applications were made to the Ontario government last week for the incorporation of three railway companies. The Bruce Mines and Algoma road will run from Bruce Mines to Rock Lake Copper Mines, in the township of Coffin, then north thirty miles. The Algoma Central will extend from Sault Ste. Marie to Michipicoten river, then to the C.P.R., and then southerly to Michipicoten harbor. The Worthington and Onaping road is to run from Worthington, in Drury township, north to Inez Mine, then northeasterly to Sultana Mine and Onaping Station.—The City Engineer, in his report presented to the Works Committee a few days ago, recommends the construction of the following local improvements: Cedar block roadway on Oxford street, from Augusta avenue to Bellevue avenue, cost \$782; sewer on Orford street, from Parliament street to Clara street, cost \$506; brick on gravel pavement on Spruce street, from Sumach street to River street, cost \$2,159; macadam roadway on Division street, from Spadina ave. to Huron street, cost \$1,523.—The promoters of the proposed palace hotel to be built on King street, between Yonge street and Leader lane, are applying for incorporation, and there now seems a fair prospect of the undertaking being carried out.—At a meeting of the Board of Control, held on Monday last, several questions in connection with the new city hall were considered. It was decided to take up the clock tenders on Wednesday. The recommendation of the Property Committee that the Board advertise for applications for the position of engineer for the new building was brought up, but no definite action was taken. The elevator tenders will likely be considered at an early meeting.—A building permit has been issued to George Howard for two stores, 1430 Queen street west, to cost \$1,500.—The Grand Jury, in making their presentment last week, stated that they found the heating at the jail inadequate, and recommended that a boiler of larger capacity be put in.—The MacDonald Manufacturing Company, whose premises on the old Upper Canada College grounds were burned recently, will probably erect a new factory on the west side of Peter street, south of Queen.

#### FIRES.

Recent fires included the following: Gardner's biscuit factory at Kingston, Ont., damaged to the extent of \$6,000; building owned by R. J. Carson.—The Hamilton House at Cobourg, Ont., owned by Mrs. E. T. Wells, of St. Louis, Mo.—Stores on Portage avenue, Winnipeg, occupied by J. Nolan and J. C. Currie.—Sash and door factory of Phaneuf & Dore at Outremont, Que.; loss \$3,000, insurance \$1,100.—F. R. Edward's general store, together with post office and telegraph office, at Thurso, Que.; totally destroyed.—Brick residence of Ashford Warnica, in Innisfil township, near Barrie,

Ont.; loss \$2,500.—A. L. Croter's brick dwelling in Sidney township, near Belleville, Ont.; loss \$4,000, insurance \$2,500.—Bell & Company's tannery at Tilsonburg, Ont., totally destroyed; loss \$15,000, insurance \$4,000.—Bank of Toronto building at Point St. Charles, a suburb of Montreal, damaged to the extent of \$3,000.—Two-storey brick public school at Tara, Ont.; loss \$2,000, insurance \$1,900.—Residence of William Fraser at Westmeath, Ont.—Brick house at Bloomfield, Ont., owned by Alex. Hutchinson.—The Wright House block, owned by A. Gordon, at Wallaceburg, Ont.; loss \$2,500, partially insured.—Store building at Wakefield, Que., owned by McLaren & Co., of Buckingham.—The business portion of the town of Bridgewater, N. S., was destroyed by fire on January 12th. The burned district extends over half a mile, and includes the principal business places of the town. The loss will probably reach \$500,000.—Residence of Charles Steel, near Teeswater, Ont., totally destroyed.—St. Ann's Roman Catholic College at Church Point, near Digby, N. S.; loss \$50,000, insurance, \$20,000.—Residence of W. H. Horton at New Dublin, Ont.; small insurance.

#### CONTRACTS AWARDED.

**DURHAM, ONT.**—The contract for hot-air furnace for the public school has been let to Chester Smith.

**HICKSON, ONT.**—The East Zorra council has purchased a road machine from the Sawyer-Massey Company, of Hamilton; price \$235, delivered at Innerkip.

**WINNIPEG, MAN.**—The city council has accepted the tender of R. Wilson Smith, of Montreal, for the purchase of \$650,000 of waterworks bonds, at 67½ cents, with accrued interest to date.

**STRATFORD, ONT.**—Harry J. Powell, architect, has let contracts as follows for a residence for Rev. D. Deacon, M.A.: Masonry, George Weber; carpentry, John L. Youngs; plastering, Hassell Bros.; painting, John Jacobs; other contracts not yet let. The building will be of red pressed brick, 30 x 52 feet, with octagonal tower, open balcony, and gables filled in with cut shingles in Queen Anne style.

**ORILLIA, ONT.**—The town council have accepted the tender of the Central Construction Company, of Buffalo, for the entire power transmission plant, subject to the approval of the ratepayers. The specifications provide for a solid masonry dam, laid in cement, and two steel flumes, the power house to be fireproof, 62 x 36 feet. Westinghouse electrical apparatus and Stillwell-Bierce hydraulic machinery will be used.

**TORONTO, ONT.**—W. J. Bryce has been awarded the contract for crib work in connection with the filling in of block B, between Bay and Lorne streets. The total cost of the work will be about \$40,000. The tenders received were as follows. Cribwork and dredging, per cubic yard—Tender No. 1, \$1.98; No. 2, \$2.23; No. 3, \$2.24; No. 4, \$1.95; No. 5, \$2.38; No. 6, \$2.06; No. 7, \$2.20. Timber below line of bottom or floor of cribs, per 1,000 feet—Tender No. 1, \$17; No. 2, \$20; No. 3, \$14.50; No. 4, \$18; No. 5, \$15.75; No. 6, \$16; No. 7, \$22. Extra dredging, per yard—Tender No. 1, 20c.; No. 2, 40c.; No. 3, 8c. Extra timber, per 1000 feet—Tender No. 1, \$22; No. 2, \$20 and \$25; No. 3, \$14 and \$18.

Owing to pressure upon our space, the article on "Sewage Disposal by Bacteria Beds and Septic Tank," commenced last week, is omitted from this issue. Next week we hope to continue the paper.

**CIVIL ENGINEERS IN CONVENTION.****Thirteenth Annual Meeting of the Canadian Society.**

The thirteenth annual convention of the Canadian Society of Civil Engineers opened in the society's rooms, corner of St. Catharine and Mansfield streets, Montreal, on Tuesday, January 10th, at 11 o'clock a.m. In the absence of the president, Mr. W. G. McN. Thompson, who had forwarded a letter regretting his inability to be present, the chair was taken by the vice-president, Mr. K. W. Blackwell. The only business transacted was the appointment of the scrutineers for the election of officers, the following being unanimously chosen: For the members of the council election, Messrs. F. W. Bowie, F. St. George, L. Skaife; for nominating committee, Messrs. J. W. Heckman, C. de B. Leprohon, G. A. McCarthy. In the afternoon a large number of the members of the society, by the courtesy of the Grand Trunk Railway Company, paid a visit to the Victoria Bridge, which they inspected with considerable interest.

In the evening a very large gathering assembled at the headquarters of the society to see views of details connected with the construction of the Victoria Jubilee Bridge, projected upon a screen by a powerful lantern. The views comprised an excellent selection illustrative of different stages of the work, and were graphically and concisely described and explained by Mr. W. McNab, assistant engineer of the Grand Trunk Railway system.

The chairman stated that a full and

detailed account of the works, together with appropriate drawings, would be written by Mr. Joseph Hobson, the chief engineer, and that upon the actual completion of the work, the society would receive a copy for incorporation with its annual volume of transactions.

In commencing the description of his several views, Mr. McNab said that no railway bridge had ever created such universal admiration of its noble proportions as did the Victoria Bridge at the time of its erection. It was looked upon as one of the wonders of the world. Built between 1854 and 1859, with few or no precedents for many important details connected with construction, one was bound even now to acknowledge the wisdom and far-sightedness of the engineers and contractors who planned and built it.

Far sighted as the engineers and promoters of the bridge were as regards details of construction, however, none of them dreamed or thought that within thirty-eight years of the date of its opening, the demands upon its capacity would be so great as to make a double track structure necessary. This need had been specially felt in recent years as the traffic developed and the weights of modern rolling stock increased so enormously.

As to the traffic through the bridge, when it was considered that as many as 80 to 100 trains passed through it each twenty-four hours, and that it was operated on the absolute block system, and that no train could leave either the Point St. Charles or St. Lambert end until the train going in the opposite direction had arrived, it could easily be seen that a single track structure was taxed pretty heavily in regard to use.

A hearty vote of thanks was, on motion of Mr. Keatley, extended to Mr. McNab and the Grand Trunk officials for the interesting lecture.

**SECOND DAY.**

On Wednesday morning, upon invitation of the Laurentide Pulp Company, a visit of inspection was made to the extensive works of that company at Grand Mere, Que. A special train of five cars, placed at the disposal of the society by the Canadian Pacific Railway Company, carried the following delegates to the point of destination, about twenty miles beyond Three Rivers:

K. W. Blackwell, vice-president; H. Irwin, treasurer; W. McNab, librarian; C. H. McLeod, secretary; D. MacPherson, E. Marceau, G. H. Duggan, J. D. Barnett, C. H. Rust, W. B. Anderson, R. P. Rogers, F. R. Judah, R. C. Alexander, G. H. Garden, J. W. Heckman, N. H. Greene, W. Burns, S. Leech, H. B. Sims, W. F. Angus, F. W. Cavie, W. J. Camp, J. E. Dore, A. J. Corriveau, J. Ewing, J. W. Brock, F. Taylor, G. L. Mattice, W. J. Bishop, Stuart Howard, J. F. Ellis, C. DeB. Leprohon, E. A. Rhys Roberts, F. L. Somerville, J. S. Vindin, T. W. Lesage, G. LeGrand, A. Massey, W. H. Sanders, J. B. Porter, Paul Paradis, J. S. Parent, H. A. Coussirat, A. G. Bachand, F. Brittain, C. Reinhart, J. Kerry, H. A. Gauthier, A. Vicent, L. E. F. Fusey, H. L. Auclair, L. Achille Dufresne, O. Arcand, J. Lauren, H. Szlapka, G. Grant, R. de Corriveau, M. F. Gagnon, H. D. Pariseau, R. Surtees, J. A. Burnette, J. G. MacGregor, W. C. Thomson, R. Kenrick, R. G. Gough, B. A. Davis, A. Burnett, G.

(Continued on page 6.)

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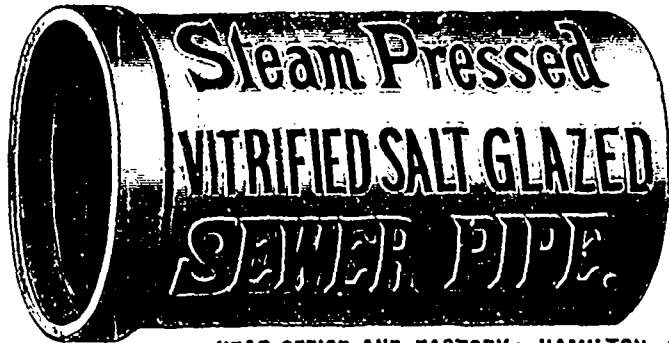
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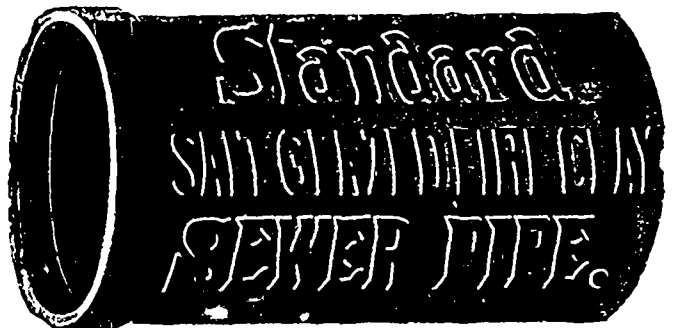


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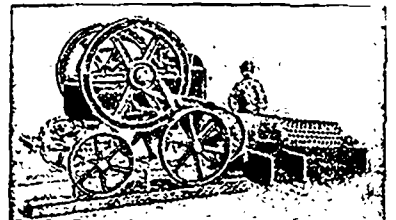
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## CIVIL ENGINEERS IN CONVENTION.

(Continued from page 4.)

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Grand Mere was found to be a most interesting spot for visitors, and several hours were spent in witnessing the process of transforming the trees of the forest into filmy paper. Returning, the party reached Montreal about 9 p.m.

## THIRD DAY.

On Thursday the most interesting session of the convention was held, it being the day for the presentation of papers. The first paper of the morning was read by Mr. Thos. Monroe, on "The Soulanges Canal." Mr. Monroe gave an interesting account of the history of the St. Lawrence Canal systems, and of the inception and prosecution of the work of constructing the Soulanges Canal, the latter being for the purpose of escaping the several rapids of the river below Lake St. Francis.

Two papers were read in the afternoon, one by Mr. H. K. Wickstead, on "The Georgian Bay and Ottawa Ship Canal," and the other by Mr. R. B. Rogers on "The Trent Canal."

The annual banquet of the society was held at the Windsor Hotel in the evening, more than one hundred delegates being present. Mr. K. W. Blackwell, the vice-president, presided, and among those at his immediate right and left were Prof. Capper, Dean Bovey, Major Gray, Mr. E. P. Hannaford, W. T. Jennings, Chas. Baillaire, C. W. Spencer, Thos. Monroe and E. Featherstonhaugh.

The speech-making was begun by the chairman proposing the toast of "Our Sister Societies," to which Prof. Capper, Professor of Architecture at McGill University, replied. Mr. Stuart Howard followed with a song, and Mr. C. W. Spencer, superintendent of the Canadian Pacific Railway, gave a short and humorous speech. Mr. Simeon Lesage next entertained the guests with a song in French, and Mr. Chas. Baillaire followed in turn with a few remarks in further response to the toast of Sister Societies. Mr. Armstrong, one of the "Visiting Brethren," as the chairman introduced him, spoke briefly, and Mr. Louis Skaife sang Kipling's "Fuzzy-Wuzzy." Mr. J. G. Kerry and Dean Bovey followed with brief speeches.

## FOURTH DAY.

At the morning session the secretary, Mr. C. H. McLeod, read the annual report of the council for the past year. It showed that the total membership was now 716, against 628 at the same date in 1898. The professional status of the society was detailed at length, touching upon the legislation in the Quebec act, pointing out that, hereafter, all persons desirous of practising as civil engineers in the province of Quebec should become members of the society, under the provision of the Quebec act, that is, they should pass the examinations therein pre-

scribed, and otherwise conform to the requirements of the act.

A letter was read from the Institute of Civil Engineers, England, extending an invitation to the society to visit the house of that institution in the event of a deputation visiting Europe in a more or less organized party during the year 1900.

The treasurer, Mr. H. Irwin, presented the financial statement. It showed that the general receipts had been \$4,597; building fund, \$4,656; balance from December, 1897, \$6,970, making a total of \$16,224. The expenditure had been \$5,674, leaving a balance in hand on general fund of \$5,893, and building fund of \$4,656.

Mr. Willis Chipman, of Toronto, reported on behalf of the committee on legislation in Ontario, regarding the society in that province. He read a draft of a bill to be submitted to the government of Ontario, similar to the act in Quebec referring to the civil engineers. There were some noticeable differences in certain sections of the proposed Ontario act, but in the main they constituted an effort to adopt legislation similar to that of Quebec.

Mr. John Taylor Farmer was awarded the Gzowski medal, for his paper on "Water Wheels."

The scrutineers reported that the election of officers had resulted as under:

President—Mr. W. T. Jennings, Toronto.

Vice Presidents—Messrs. P. W. St. George, Montreal; K. W. Blackwell, Montreal; E. H. Keating, Toronto.

Treasurer—H. Irwin.

Secretary—C. H. McLeod.

Librarian—W. McNab.

Members of Council—Messrs. G. H. Duggan, John Kennedy, Thomas Monro, H. N. Ruttan, C. H. Rust, G. A. Mountain, D. MacPherson, C. E. W. Dodwell, St. George Boswell, W. B. McKenzie, E. Marceau, W. Chipman, J. Galbraith, Stuart Howard, E. A. Wilmot.

In the afternoon the address of the retiring president, Mr. W. G. McN. Thompson, was read by Prof. C. H. McLeod. Thanks were expressed for the honor that had been conferred, and of McGill College it was stated that, with such an institution, the student would be well equipped for good engineering, and should move forward erect and with a firm and steady step, indicative of his honesty and fairness of purpose, and in due course he would, no doubt, secure an engagement on some public work (thanks to his McGill diploma) and his success would be in his own hands.

Reference was also made to recent donations to McGill College, as follows: "No more genuine and sincere assurance of the appreciation of the munificent donations which have made McGill College what it is, can be given the donors than to see the lecture and experimental rooms and museums thronged with bright and earnest students, making every possible effort to possess themselves of the wealth of knowledge so generously placed within

their reach, and so easily acquired with the assistance of McGill's able professors."

At the close of the meeting many of the members of the society visited the McGill Science Buildings.

## THE NEW PRESIDENT.

Mr. William T. Jennings, president-elect of the Canadian Society of Civil Engineers, whose portrait we present, was born in Toronto on May 19th, 1846, and educated at the Model Grammar School and Upper Canada College. He commenced his professional career as an engineer in 1869. From 1870 to 1875 he was on the engineering staff of the Great Western railway, and from that time forward his chief work has been in the line of railroad construction. From 1886 to 1890 he had charge of the surveys and construction for the C. P. R. in Ontario, and in the latter year was appointed engineer for the city of Toronto. After occupying the position for about



MR. WILLIAM T. JENNINGS,  
President-elect of the Canadian Society of Civil Engineers.

two years, during which time much pavement and general construction work was carried out, he resigned, owing to the aldermanic body breaking faith with him by changing the by-law under which he took office. For the past five years Mr. Jennings has practised as a consulting engineer, having advised as to the construction of a number of railways and other important works, including a report on the proposed James Bay railway, for the Dominion government. In addition to being associated with the Canadian Society of Civil Engineers, he is a member of the Institution of Civil Engineers, the American Society of Civil Engineers, and the American Association for the Advancement of Science.

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miscous widths. 19 00	13 00	13 00
Shipping cull boards, stock 13 00	10 00	10 00
Hemlock scantling and joist		
up to 16 ft. 10 00	18 00	10 00
Hemlock scantling and joist		
up to 18 ft. 11 00	18 00	10 00 13 00
Hemlock scantling and joist		
up to 20 ft. 12 00	13 00	14 00 14 00
Cedar for paving, per cord. 5 00	5 00	5 00
Cedar for kerbing, 4 x 14,		
per M. 14 00	14 00	14 00
Scantling and joist, up to 16 ft	14 00	14 00
" " " " 18 ft	15 00	10 00 20 00
" " " " 20 ft	16 00	10 00
Scantling and joist, up to 16 ft	17 00	17 00
" " " " 18 ft	18 00	19 00
" " " " 20 ft	19 00	20 00
" " " " 22 ft	20 00	21 00
" " " " 24 ft	21 00	22 00
" " " " 26 ft	22 00	23 00
" " " " 28 ft	23 00	24 00
" " " " 30 ft	24 00	25 00
" " " " 32 ft	25 00	26 00
" " " " 34 ft	26 00	27 00
" " " " 36 ft	27 00	28 00
" " " " 38 ft	28 00	29 00
" " " " 40 ft	29 00	30 00
Cutting up planks, 1 1/2" and		
thicker, dry. 25 00	28 00	25 00 30 00

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1/4 " " dressed, P. M.	28 00	27 00	30 00
1/4 " " undressed, P. M.	19 00	18 00	19 00
1/2 " " dressed, P. M.	30 00	18 00	22 00
1/2 " " undressed, P. M.	18 00	18 00	15 00
Beaded sheathing, dressed.	20 00	22 00	22 00
Clapboarding, dressed.	14 00	8 00	12 00
XXX sawn shingles, per M			
16 in. 2 40	2 33	3 00	
XX sawn shingles. 1 60	1 50		
sawnlath, No. 1. 1 75	2 00	2 50	2 60
Cedar. 2 00	2 00	2 00	
Red oak. 39 00	40 00	30 00	40 00
White. 37 00	45 00	35 00	55 00
Basswood, No. 1 and 2. 28 00	30 00	18 00	20 00
Cherry, No. 1 and 2. 70 00	80 00	70 00	80 00
White ash, No. 1 and 2. 24 00	26 00	30 00	35 00
Black Ash, No. 1 and 2. 20 00	20 00	18 00	30 00
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(Continued on Page 8.)

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Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes items like Common Walling, Good Facing, and Sewer.

PRESSED BRICK, PER M.

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes items like Red, No. 1 f.o.b. Milton, Buff No. 1, f.o.b. Milton, etc.

F. O. B. DON VALLEY.

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes items like Red A, Red B, Red C, Trojan and Corinthian, etc.

F. O. B. BEAMSVILLE.

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes items like Peebles Facing, Red, No. 1, Buff, Brown, Roman Red, etc.

SAND.

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes Per Load of 1 1/2 Cubic Yards.

STONE.

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes items like Common Rubble, Large flat Rubble, Foundation Blocks, etc.

OHIO FREESTONE.

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes items like No. 1 Buff Promiscuous, No. 1 Buff Dimension, No. 1 Blue Promiscuous, etc.

CREDIT VALLEY STONE.

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes items like Rubble, per car of 16 tons, at quarry, Brown Coursing, etc.

LONGFORD STONE.

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes items like Rubble, per 30M car, f.o.b. quarries, Ashlar, per cub. vd f.o.b. quarries, etc.

Architects.

Ontario Directory... III  
Quebec Directory... ii

Architectural Sculptors and Carvers.

Holbrook & Molling... i

Architectural Iron Work.

Dominion Bridge Co. I  
Art Woodwork Southampton Mfg. Co. II

Artists' Materials.

The Art Metropo'e... ii

Builders' Supplies.

Bremner, Alex. .... i  
Currie & Co., W&FP. x  
Hercules Culvert Co. viii  
Montreal Directory... ix  
Ontario Lime Association... III  
Rice Lewis & Son... ix  
Toronto Directory... ix  
The Hardwood Lumber Co. .... viii

Building Stone Dealers.

Amherst Red Stone Quarry Co. .... v  
Brodie, James. .... v  
Credit Forks Mining & Mfg. Co. .... v  
Cleveland Stone Co. .... I  
The Longford Quarry Co. .... v

Builders' Hardware.

Malleable Iron Co. .... v  
Rice Lewis & Son... IV

Contractors' Plant and Machinery.

Rice Lewis & Son... IV

Church and School Furniture.

Can. Office & School Furniture Co. .... II

Cements.

Bremner, Alex. .... i  
Currie & Co., W&FP. x  
Owen Sound Portland Cement Co. .... IV  
The Rathbu. Co. .... IV

For ornamental work, cu. ft.

Granite paving blocks, 8 in. to 12 in. x 6 in. x 4 1/2 in. per M. .... 50 60  
Granite curbing stone, 6 in. x 20 in. per lineal foot. .... 70

SLATE.

Toronto. Montreal.

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes Roofing (per square), red, purple, unfading green, black, Terra Cotta Tile, etc.

PAINTS. (In Oil, per lb.)

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes White Lead, Zinc, Red Lead, Vermilion, Indian, Yellow ochre, Green chrome, Paris, Black lamp, Blue, ultramarine, Oil, linseed, raw, by bbl., Imp. gal., Oil, linseed, b'd, by bbl., Imp. gal., Putty, Whiting, dry, per 100 lbs., Paris white, Eng., dry, Litharge Eng., Sienna, burnt, Turpentine.

CEMENT, LIME, etc.

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes Portland Cements - Gernar, per 100 lbs., London, Newcastle, Jossan Brand Portland, North's Condor, English, artificial, per bbl., Belgian, natural, per bbl., Canadian, artificial, Roman, Parian, Superfine, Hydraulic Cements - Thorold, per bbl., Queenston, Napanee, Hull.

Crossed Status

Cabot, Samuel. .... IV

Drain Pipe

Bremner, Alex. .... i  
Currie & Co., W&FP. x  
Hamilton and Toronto Sewer Pipe Co. .... x

Elevators

Fensom, John. .... I  
Leitch & Turnbull. .... I  
Miller Bros & Toms. vi

Electrical Apparatus.

Barrie & Co., Alex. .... III

Engravers.

Can. Photo-Eng. Bureau. .... II

Fire Brick and Clay

Bremner, Alex. .... i  
Currie & Co., W&FP. x

Folding Partitions.

Springer, O. T. .... II

Galvanized Iron Workers.

Ormsby & Co., A. B. I

Grilles and Rattings.

Dennis Wire & Iron Co. .... vi  
Malleable Iron Co. .... x  
Toronto Fence & Ornamental Iron Works. vi  
Southampton Mfg. Co. II

Granite

Brunet, Jos. .... v  
Brodie, James. .... v

Heating.

Boston Blower Co. .... III  
Dominion Radiator Mfg. Co. .... iii  
Gurney, Tilden Co. .... iv  
Ormsby & Co., A. B. I  
Wallberg, E. A. .... I

Interior Decoration

Elliott & Sen Company vi

Lime.

Currie & Co., W&FP. .... x  
Ontario Lime Association. .... III

Luxfer Prisms.

Luxfer Prism Co. .... v

Legal.

Denton, Dods & Macdonnell. .... III  
Quinn & Morrison. .... III

Mantles, Grates, and Tiles.

Chat. Rogers & Sons Co. .... vi  
Holbrook & Mollington i  
Mosaic Marble & Enamel Co. .... viii  
Rice Lewis & Son. .... IV

Mail Chutes.

The Cutler Mfg. Co. .... ii

Mortar Colors and Shingle Status.

Cabot, Samuel. .... IV  
Muirhead, Andrew. ....

Ornamental Iron Work.

Dennis Wire & Iron Co. vi  
Malleable Iron Co. .... v  
Toronto Fence & Ornamental Iron Works. vi

Painters.

Montreal Directory. .... ix  
Toronto Directory. .... ix

Plasterers

Hynes, W. J. .... ix

Paints & Varnishes

Muirhead, Andrew. .... i

Parquetry Floors

Elliott & Son Company vi

Plats Glass

Lyon, N. T. .... i  
The Consolidated Plate Glass Co. .... ii

Plumbers

Montreal Directory. .... ix  
Toronto Directory. .... ix

Reflectors

Frink, I. P. .... ii

Reversible Windows

Duval & Co., E. .... ix

Roofers

Campbell & Gilday. .... ix  
Duthie & Sons, G. .... ix  
Forbes, D. .... ix  
Nicholson & Co., D. .... ix  
Ormsby & Co., A. B. I  
Rennie & Son, Robt. ix  
Stewart & Co., W. T. ix  
Williams & Co., H. .... ix

Roofing Materials

Ormsby & Co., A. B. I  
Metallic Roofing Co. .... vii

Sanitary Appliances

Garth & Co. .... vi  
Toronto Steel Clad Bath & Metal Co. .... viii  
The James Robertson Co. .... x  
The James Morrison Brass Mfg Co. .... vi

Stained and Decorative Glass

Horwood & Sons, H. Lyon, N. T. ....  
Leonard, B. ....  
Mackey Stained Glass Co. .... i  
McKenzie's stained Glass Works. .... i  
Reardon's Art Glass Works. .... i  
The Robt. M. Cusland Stained Glass Co. .... i  
Wood & Co. .... i

Shingles and Siding

Metallic Roofing Co. .... vii  
Ormsby & Co., A. B. I  
Toronto Foundry Co. .... ii

Soil Pipe

Archibald, Chas E. .... III  
Ventilators  
Boston Blower Co. .... III  
Wallberg, E. A. .... II

Type-writers.

Albert Mfg. Co. .... IV

Wall Plaster

Albert Mfg. Co. .... IV

Wire Lathing

The B. Greening Wire Company. .... viii

Toronto. Montreal.

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes Ontario, Keene's Coarse "Whites", Fire Bricks, Newcastle, per M, Scotch, Lime, Per Barrel, Grey, White, Plaster, Calcined, N. B., N. S., Hair, Plasterers', per bag.

HARDWARE.

The following are the quotations to builders for nails at Toronto and Montreal:  
Cut nails, 50d & 60d, per keg 1 85 1 85  
Steel " " " " 1 95 1 95

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes CUT NAILS, FENCE AND CUT SPIKES, 40d, hot cut, per 100 lbs, 10 to 12d, hot cut, 8d, 9d, 10d, 11d, 12d, 13d, 14d, 15d, 16d, 17d, 18d, 19d, 20d, 21d, 22d, 23d, 24d, 25d, 26d, 27d, 28d, 29d, 30d, 31d, 32d, 33d, 34d, 35d, 36d, 37d, 38d, 39d, 40d, 41d, 42d, 43d, 44d, 45d, 46d, 47d, 48d, 49d, 50d, 51d, 52d, 53d, 54d, 55d, 56d, 57d, 58d, 59d, 60d.

Cut spike, 10 cents per keg advance.  
Steel Nails, 10c. per keg extra.  
Wire nails, 185 base price.

Iron Pipe:

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes Iron pipe, 1/2 inch, per foot, 3/4 inch, 1 inch, 1 1/4 inch, 1 1/2 inch, 2 inch, 2 1/2 inch, 3 inch, 3 1/2 inch, 4 inch, 4 1/2 inch, 5 inch, 5 1/2 inch, 6 inch, 6 1/2 inch, 7 inch, 7 1/2 inch, 8 inch, 8 1/2 inch, 9 inch, 9 1/2 inch, 10 inch, 10 1/2 inch, 11 inch, 11 1/2 inch, 12 inch, 12 1/2 inch, 13 inch, 13 1/2 inch, 14 inch, 14 1/2 inch, 15 inch, 15 1/2 inch, 16 inch, 16 1/2 inch, 17 inch, 17 1/2 inch, 18 inch, 18 1/2 inch, 19 inch, 19 1/2 inch, 20 inch, 20 1/2 inch, 21 inch, 21 1/2 inch, 22 inch, 22 1/2 inch, 23 inch, 23 1/2 inch, 24 inch, 24 1/2 inch, 25 inch, 25 1/2 inch, 26 inch, 26 1/2 inch, 27 inch, 27 1/2 inch, 28 inch, 28 1/2 inch, 29 inch, 29 1/2 inch, 30 inch, 30 1/2 inch, 31 inch, 31 1/2 inch, 32 inch, 32 1/2 inch, 33 inch, 33 1/2 inch, 34 inch, 34 1/2 inch, 35 inch, 35 1/2 inch, 36 inch, 36 1/2 inch, 37 inch, 37 1/2 inch, 38 inch, 38 1/2 inch, 39 inch, 39 1/2 inch, 40 inch, 40 1/2 inch, 41 inch, 41 1/2 inch, 42 inch, 42 1/2 inch, 43 inch, 43 1/2 inch, 44 inch, 44 1/2 inch, 45 inch, 45 1/2 inch, 46 inch, 46 1/2 inch, 47 inch, 47 1/2 inch, 48 inch, 48 1/2 inch, 49 inch, 49 1/2 inch, 50 inch, 50 1/2 inch, 51 inch, 51 1/2 inch, 52 inch, 52 1/2 inch, 53 inch, 53 1/2 inch, 54 inch, 54 1/2 inch, 55 inch, 55 1/2 inch, 56 inch, 56 1/2 inch, 57 inch, 57 1/2 inch, 58 inch, 58 1/2 inch, 59 inch, 59 1/2 inch, 60 inch, 60 1/2 inch.

Lead Pipe:

Lead pipe, per lb. .... 7c. } 25 per  
Waste pipe, per lb. .... 7 1/2 } cent. dis.

Galvanized Iron:

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes Adam's-Mar's Best and Queen's Head: 16 to 24 gauge, per lb., 26 gauge, 28, Gordon Crown: 16 to 24 gauge, per lb., 26 gauge, 28, Note.-Cheaper grades about 1/4c. per lb. less.

Structural Iron:

Table with 4 columns: Description, Price in Toronto, Price in Montreal, and another Montreal price. Includes Steel Be., per 100 lbs., chr. 2 1/2, angles, tees, plates, Sheared steel bridge plate.