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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL.

PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • AND MUNICIPAL PROGRESS

EVERY THURSDAY

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

VOL. 7.

APRIL 9, 1896

No. 10.

THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY THURSDAY

As an Intermediate Edition of the "Canadian Architect and Builder."

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A new and thoroughly revised edition of the *Canadian Contractor's Hand-Book*, consisting of 150 pages of the most carefully selected material, is now ready, and will be sent post-paid to any address in Canada on receipt of price. This book should be in the hands of every architect, builder and contractor who desires to have readily accessible and properly authenticated information on a wide variety of subjects adapted to his daily requirements.

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C. H. MORTIMER, Publisher,
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TORONTO Public School Board TENDERS WANTED

Sealed tenders will be received by the Secretary, Treasurer of the Toronto Public School Board until noon on FRIDAY, APRIL 10th, for the following works required at Rosedale School.

1. FENCING AND PLANKING.
2. PAINTING.
3. GRADING AND SODDING.

Specification, form of tender and information may be obtained on application at the office of the Superintendent of Buildings, corner of York and Richmond streets.

Each tender must be accompanied by the deposit mentioned in the said specification and form of tender as per regulations of the Board.

The lowest or any tender will not necessarily be accepted.

W. C. WILKINSON,
Sec.-Treas. T. P. S. B.

JAMES BURNS,
Chairman of Committee.

TENDERS WANTED

Whole or Separate Tenders will be received up to and including TUESDAY, 14TH DAY OF APRIL, 1896, for the erection and completion of a new

HOUSE OF REFUGE

to be built at Stratford, Ont. Tenders to be sealed, marked "Tender for House of Refuge," and addressed to

WM. DAVIDSON,
Clerk of County of Perth.

The lowest or any tender not necessarily accepted. Plans and specifications may be seen at the office of

HARRY J. POWELL, Architect,
Stratford, Ont.

Stratford, March 27th, 1896.



NOTICE TO CONTRACTORS

TENDERS FOR ANNUAL SUPPLIES

Tenders will be received, by registered post only, addressed to the Chairman of the Board of Administration, City Hall, Toronto, up to 5 o'clock, p.m., on

THURSDAY, APRIL 23rd, 1896,

For the undermentioned material, etc., required by the Department of Works and Waterworks during the year ending May 31st, 1897.—

- Brick.
- Cement.
- Special Castings.
- Stop Valves, 6-inch and 12-inch.
- Cast Iron Pipe.
- Lead Pipe.
- Brass and Bronze Castings.
- Lumber.
- General Stores.
- Brass Work for House Services.
- Iron and Steel.
- Iron Valve and Stopcock Boxes.
- Rubber Valves, Boots, etc.
- Lubricating Oils.
- Coal and Wood.

Specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto, on and after Thursday, April 16, 1896.

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

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

Lowest or any tender not necessarily accepted.

DANIEL LAMB,
Chairman Committee on Works.

THE MAYOR,
Chairman Board of Administration,
Toronto, April 6, 1896.

Always strip off solid beams where they are to be plastered. The lath may then be put on so that the mortar may have a clinch and cracks are avoided.

CONTRACTS OPEN.

COLDWATER, ONT.—A number of new buildings are projected.

PRESTON, ONT.—Thomas Yates proposes building a brick residence.

LYNDEF, ONT.—Samuel Doherty is preparing to erect a new residence.

MALDENRYTOWN, ONT.—Albert Verden of Rosedale, is about to erect a cottage.

RIDGEVILLE, ONT.—George Arnold will erect a new residence, to cost \$1,200.

MOUNT ALBERT, ONT.—A movement is on foot to secure the erection of a town hall.

PERTH, ONT.—Tenders are asked for excavation of the trenches for the water-works system.

THAMESFORD, ONT.—St. Andrews' congregation are considering the erection of a new manse.

NAPANEE, ONT.—John Coates will rebuild the sheds of the Royal hotel with brick and stone.

GEORGETOWN, ONT.—T. Board is preparing to build an addition to his glove factory at the Glen.

MCOSOMIN, N. W. T.—The C. P. R. has been requested to erect a new station and stock yards here.

GANANOQUE, ONT.—The Roman Catholic congregation will expend \$10,000 in building a tower to their church.

MARKDALE, ONT.—Tenders will be received by R. S. Rae until the 15th inst. for the purchase of \$1,000 of debentures.

ST. FRANCOIS DE LA BEAUCE, QUE.—La Banque Nationale will erect a new branch office during the coming summer.

GUELPH, ONT.—G. R. Bruce, architect, is receiving tenders for the erection of a residence on Paisley street for B. Kloepfer.

SELKIRK, MAN.—Wm. Gibbs, Sec. Treas., will receive proposals until the 20th inst. for the purchase of \$10,000 of debentures.

ARNPRIOR, ONT.—Plans have been prepared for a new C. P. R. station to be built here, work on which will shortly be commenced.

RIDGETOWN, ONT.—The saw, stave and heading mill of Watson Bros. has been completely wrecked by a boiler explosion.

FREDERICTON, N. B.—The City Council have decided to lay upwards of 10,000 yards of asphalt pavements during the coming summer.

WESTPORT, ONT.—G. A. Allan, architect, of Brockville, is preparing plans for an Anglican parsonage to be erected here this summer.

PETERBOROUGH, ONT.—The Peterboro' Lock Manufacturing Co. recently opened tenders for the erection of their proposed new buildings. The tenders were slightly above the figures expected, and it is probable the work will not be proceeded with at the present time.

GASPEREAUX, N. B.—The Presbyterians are preparing to build a place of worship.—R. D. Richardson proposes erecting a new store.

NIAGARA FALLS, ONT.—C. H. Mitchell, town engineer, is preparing the necessary plans for the sewerage system to be constructed here this summer.

CHATHAM, ONT.—Mr. Rutley, architect, has submitted plans to the City Council for the proposed market building. The estimated cost is \$10,000.

DIXVILLE, ONT.—C. J. Wright has had plans prepared for a new poultry house to be erected this spring, to be heated by steam. Dimensions, 16 x 40 feet.

ROCKPORT, ONT.—The new English church to be erected here will be built of wood, and will cost \$1,000. Rev. C. J. Young, of Lansdowne, is in charge.

PETROLEA, ONT.—The Baptist congregation will shortly commence the erection of a new church.—A Y. M. C. A. hall, to cost \$15,000, will be erected here.

TRAIL, B. C.—The British Columbia Iron Works Co., of Vancouver, and the Mac Machine Co., of Belleville, Ont., will each erect branch establishments at this place.

HARTLAND, N. B.—Materials are being placed on the ground for a new Baptist church, 48 x 26 feet.—The Foresters intend to erect a new hall, 70 x 40 feet in size.

CORNWALL, ONT.—The promoters of the electric railway are preparing plans for the conversion of Gillespie's Point, at the east end of the town, into a pleasure resort.

KAMLOOPS, B. C.—The government will be requested by the ratepayers to provide the sum of \$25,000 for the building of a bridge across the Thomson river at this place.

HARWICH, ONT.—W. R. Fellows, clerk, will receive tenders until the 10th inst., for the erection of a fire-proof brick vault at the town hall. Plans may be seen at the clerk's office.

WINCHESTER, ONT.—G. R. Bow has in contemplation the rebuilding of his place of business. The new structure will be two stories, and will be commenced early this spring.

BOTHWELL, ONT.—Plans have been prepared and tenders are being received for a new fire-hall and lock-up.—It is probable that an electric light plant will be purchased by the town.

GREENWOOD, B. C.—A scheme is on foot to establish a hospital here. Plans have been prepared by Mr. C. W. H. Sansom, architect, of this place, and show a commodious structure.

STRATFORD, ONT.—H. J. Powell, architect, is preparing plans for remodeling the Albion hotel for S. A. Cameron. The improvements will consist of a new plate glass front, metal ceilings, etc.

KENFREW, ONT.—J. W. Munro is preparing to construct a row of tenement houses in the east end.—A new English church is to be erected at Tennant Settlement, between Pettewawa and Chalk river.

HINTONBURG, ONT.—Tenders for erecting a separate school building will be received by F. Hatherell, secretary school trustees, until Thursday, the 16th inst. Plans may be seen at No. 260 Slater street, Ottawa.

VICTORIA, B. C.—The Esquimalt & Nanaimo Railway Co. have invited tenders for the construction of iron bridges across Gold stream, Niagara and Arbutus canyons, which average in width about 600 feet.

WINDSOR, ONT.—A Protestant separate school will in all probability be erected in Tilbury North.—The Toronto General Trusts Co., trustees of the Crawford estate, are taking steps to improve the Crawford

House by putting in new heating apparatus.

GRIMSBY, ONT.—F. P. Allen, architect, of Grand Rapids, Mich., has prepared plans for a dwelling to be built here for Mrs. S. Davison, two stories, 28 x 40, frame, shingle roof, mantels, beveled glass, furnace, plumbing, etc.

BROCKVILLE, ONT.—The Grand Trunk Railway Co. will construct a spur line of railway from the main line to a point on the river below the Asylum property, where docks are to be constructed. An engineer has recently gone over the ground.

COLLINGWOOD, ONT.—The deputation which last week interviewed the Dominion government regarding an appropriation for deepening the harbor received a promise that a sum would be placed in the supplementary estimates for that purpose.

KINGSTON, ONT.—Arthur Ellis, architect, is receiving tenders for the erection of a stone and brick public school building, estimated to cost \$20,000.—Tenders for plank walks and crossings will be received by the City Engineer until the 16th inst.

GAIT, ONT.—The market committee are considering plans for a two storey addition to the vegetable market and other improvements, estimated to cost \$4,500. A by-law will probably be submitted to the ratepayers authorizing the expenditure.

LITTLE CURRENT, ONT.—Mrs. Kilgannon, of this place, is said to have succeeded in disposing of the charter of the Manitoulin and North Shore railway to a syndicate of New York capitalists. The company purpose commencing the construction of the railway in the near future.

ST. CATHARINES, ONT.—The City Council is inviting tenders for electric street lighting.—Tenders are invited for erecting two cottages at Niagara-on-the-Lake. Plans may be seen at the offices of S. Campbell, barrister, in this city, or D. B. Dick, architect, Toronto.—S. D. Dolson, architect, is preparing plans for alterations to the residence of D. L. Cruikshank.

ST. THOMAS, ONT.—The Lake Erie & Detroit Railway Co. have requested the City Council to submit a by-law to the ratepayers to raise \$20,000 for the proposed extension of the Lake Erie and Detroit River railway to St. Thomas. The construction of the road will necessitate the erection of a new bridge.—S. O. Perry, city treasurer, will receive proposals on behalf of the corporation until Wednesday, the 15th inst., for the purchase of \$70,000 of debentures, bearing interest at 4 per cent. per annum.

RAT PORTAGE, ONT.—The by-law to raise \$16,000 for school buildings will be submitted to the ratepayers. It is the intention to spend \$6,000 on the erection of a new school at Norman, the remaining \$10,000 to go towards improving the school accommodation in Rat Portage proper.—It is said the Dominion government will place a sum in the estimates for erecting a post-office here.—The local Presbyterians are considering the advisability of building a new church. It is possible that steps may be taken to commence operations at once.

WINNIPEG, MAN.—A new brick block will be erected on the corner of Graham avenue and Main street.—Charles H. Wheeler, architect, is asking for tenders until the 11th inst., for a brick and stone warehouse on Bannatyne street for R. R. Taylor.—A by-law has passed the city council granting the sum of \$30,000 for the erection of new buildings at the Exhibition grounds.—Tenders for erecting a stone and brick block on King street are being taken by Joseph Greenfield, architect.—The by-law authorizing

the city to issue debentures for the construction of a system of water works, and gas and electric light plants, has passed its final reading in council.

OTTAWA, ONT.—Tenders will be received by J. D. Sherwood, 188 Stanley Avenue, up to noon of the 13th inst., for the erection of a Sunday school hall and alterations to church building at New Edinburgh. Plans may be seen at the manse, 257 McKay street.—The corner stone of McLeod street Methodist church will be laid about the middle of May.—A company has been formed, with a capital of \$100,000, for the establishment of a manufactory of wood mantels and fancy wood work. The promoters are H. N. Bate, J. C. Brennan, C. A. Douglas, D. O'Connor and others.—An electric road is projected to extend from Bell's Corners to Richmond West, a distance of ten miles. John Moodie is one of the promoters.

LONDON, ONT.—McBride & Farncombe, architects, are asking for tenders until Saturday, the 11th inst., for alterations and additions to the street railway car sheds.—The Board of Education has decided to ask the City Council to issue debentures for \$48,000 to provide extra school accommodation. The total cost of new buildings, exclusive of heating and ventilating, is placed at \$39,455.—The superintendent of waterworks has submitted the estimates for the year to the City Council, in which the following items are included; main extension, \$2,000; house service extension, \$3,000; buildings and repairs, \$2,000; spring extensions, \$25,000.—Tenders for erecting the new Southern Congregational church on Horton street will be received by Herbert Matthews, architect, until the 14th inst.

QUEBEC, QUE.—Tenders will be received by J. Gallagher, waterworks engineer, until Tuesday, the 14th inst., for the supply of iron and brass castings, forge work, lead pipe, pig lead, cement and drain pipe required during the fiscal year.—The Jewish residents have formed an organization to build a synagogue and school for children.—Mr. J. G. Scott and Mr. Chateaubert have requested aid from the Dominion government for the construction of the Great Northern Railroad. They want \$3,200 a mile for 35 miles between St. Jerome and Grenville, as well as \$100,000 towards constructing a bridge over the Ottawa river.—W. D. Baillarge, assistant city inspector, will receive tenders until Wednesday, the 22nd inst., for the following supplies: deals, lumber, nails, cast iron and stone gully wells; and for the construction of the following works: stone sidewalks, iron and brick crossings, retaining walls and stone paving.

HALIFAX, N. S.—A large four-storey building is to be erected on Barrington street. The front will be of Nova Scotia marble and ornamental terra cotta.—The provincial exhibition commission is finding difficulty in securing a site for their proposed buildings.—Enquiry among builders shows that considerable work will be carried out this summer. The building operations at the new gas house are being done under the direction of the company's engineers. Two wings will be added to the old penitentiary building. Besides the main building there will be smaller buildings. Mr. Whiteway, architect, is preparing plans for a new building for Gordon & Keith. It is understood that Senator McKeen, who purchased the Maplewood property last summer, contemplates erecting a residence there, plans for which have been prepared. J. MacInnes & Son will build a two-storey dwelling on Gottingen street, near North street, for H. R. Silver. W. Bremner will have a dwelling erected on Edward street. Walter Mitchell will also build a residence off Inglis street. Brown & Horton are building a two-storey dwelling on

Cobourg Road. C. J. Creighton will probably erect a dwelling at Dutch Village and C. C. Longard one on Gerrish street.

MONTREAL, QUE.—Tenders are invited by the Road Department, addressed to P. W. St. George, City Surveyor, until Wednesday, the 15th inst., for the construction of drains in different wards during the present year. A permit has been granted for the erection of the new Victoria street hotel. The building will be four stories high, with basement, containing sixty bedrooms, fitted with electric bells and lights, and an electric elevator. The hotel will be under the management of F. W. McKenny, of the Balmoral hotel. —Gamelin & Huot, architects, are preparing plans for one three-storey cottage, stone front, on Park avenue, for M. Lanson. Tenders will be called shortly. —J. H. Macduff, architect, is preparing plans for one three-storey tenement building, stone and brick front, on Sanguinet street, for G. Bail. —The annual report of the C. P. R., presented at the annual meeting last week, states that an extension of the Montreal and Ottawa railway for a distance of about 23 miles should be made during the present year, and its extension to Ottawa, a further distance of about 41 miles, should be made as soon as practicable. —At a vestry meeting of St. Mathias' church held on Monday last, it was decided to extend the church on the upper side, provided the strip of land could be acquired for that purpose.

HAMILTON, ONT.—T. Beasley, City Clerk, has invited tenders for the construction of sewers on Herkimer street and Stanley avenue. —A new Sunday school building, to cost \$5,000, will probably be erected this year in connection with the Erskine Presbyterian church. —The Saw Bill Lake Gold Mining Co., which is seeking incorporation, propose to erect a new mill north of Bonheur station. —W. P. Witton, architect, is receiving tenders for the erection of a brick residence on Hannah street. —At a recent meeting of the Markets, Jail and Police Committee, a recommendation was passed that a shelter be erected east of the market building, at a cost of \$6,000. —Joseph Hobson, chief engineer of the Grand Trunk railway, will recommend the reconstruction of the Barton street bridge. —Building permits have been granted as follows: A. W. Peene, two-storey brick dwelling on Maria street, cost \$2,300; Donaldson & Patterson, alterations to Knox church, cost \$1,200; Mrs. McGaigie, two-storey brick dwelling on Oak avenue, cost \$1,150. —Engineer Wingate, of the T. H. & B. Railway Company, has finished the surveys for the branch which is to connect the G. T. R. and the T. H. & B. It will run west of the city limits, following Beasley's Hollow. —A. W. Peene, architect, will receive tenders until Saturday, the 11th inst., for alterations and additions to the German Lutheran church manse on Hewson street north.

TORONTO, ONT.—The directorate of the National Club are considering a scheme for enlarging and remodelling the club premises. Plans have been prepared, and the matter will be laid before a meeting of the members for final action at an early date. —Tenders are invited by the Public School Board until noon on Friday, April 10th, for four hundred single desks and seats. —The City Engineer has recommended that the sum of \$6,000 be placed in the estimates to cover the cost of constructing a wooden draw bridge at Cherry street, crossing the Don. He estimates the cost of repaving Dundas street, from Bloor street to Toronto Junction, at \$17,000 for cedar, and \$15,700 for macadam pavements. A macadam pavement is recommended for Richmond street, from Bay to York street. Tenders for the repair of asphalt streets on which the guarantee has expired will be adver-

tised for. —Regarding the Queen street subway, the city engineer states that the plans have been mutually agreed upon between the city, the G. T. R. and the C. P. R., and there is now no obstacle to the carrying out of this work, except as regards the matter of land damages. —Ground has been broken for new dwellings on the west side of Huron street immediately north of Lowther ave., and on the west side of Spadina road, a short distance south of Lowther ave. —Plans have been prepared by R. J. Edwards, architect, under instructions from a company in which a large amount of Chicago capital is interested, for an uptown hotel, to be erected in the neighborhood of Queen's Park, at a cost of \$500,000. It is not yet decided whether the work will be carried out. —Mr. Peter McIntyre, of this city, is promoting a scheme to open summer resorts on Ferry or Vernon lakes, Muskoka, and erect cottages and other buildings. —The City Engineer has reported that it will cost \$1,500 to drain the walls of the King street subway, and \$2,500 to cover the top of the subway from drippings from the railway tracks. —A meeting of the Property Committee was held last week to consider the supplementary estimates in connection with improvements to fire halls. The items for new heating apparatus were struck out, the sum of \$1,000 for an addition to the Wilton avenue hall being allowed to stand. —At a meeting of the Parks and Gardens Committee Mr. S. H. Blake applied for a free site at the island on which to erect a working girls' summer home for the Young Women's Christian Guild. —The City Engineer will probably recommend the construction of an archway under the Arthur street bridge for the purpose of connecting Bellwood's Park with the property to the north of it. —For some time negotiations have been pending for the purchase of an electric railway franchise on the Niagara Peninsula. It is said that a syndicate composed of capitalists from Toronto, Montreal and New York is now being formed, to secure the franchise, the intention being to build the line at once. —The provincial treasurer has presented the supplementary estimates for the year. The total amount is \$87,905, which includes the following: Rebuilding Agricultural College, Guelph, \$10,000; addition to jail at North Bay, \$4,000; public works, \$1,200; colonization roads, \$18,700; crown lands, \$3,750; miscellaneous, \$24,586.27. The latter includes the Port Arthur mining school, \$5,000; Canadian Historical Exhibition, \$1,000. —The Ontario Government have granted bonuses to the following railways: the Irondale, Bancroft and Ottawa railway, a distance of five miles, \$3,000 per mile; the Ontario, Belmont and Northern railway, ten miles, \$2,000 per mile; the Pembroke Southern railway, fifteen miles, \$3,000 per mile; The Ottawa, Arnprior and Parry Sound railway, \$3,000

per mile for two and one-quarter miles. —Building permits have been granted as follows: Thompson & Case, brick alterations to store, 82 Yonge street, cost \$3,000; W. A. Bradshaw, 2 story bk. add. to rear of dwelling, 27 Carleton st., cost \$1,500.

FIRES.

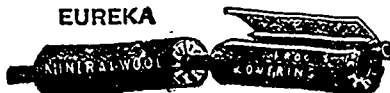
The Potter house block on Main street, Winnipeg, was destroyed by fire on the 1st inst., at a loss of \$10,000. The building was owned by ex Lieutenant-Governor Shultz and Mr. W. F. Alloway. —The residence of George Thompson, at Paisley, Ont., has been burned. Loss \$1,000. —The roller flour mill at Wellandport, Ont., owned by Heslop Bros., has been destroyed by fire. Loss from \$8,000 to \$10,000, partially covered by insurance. —The Roman Catholic church at Vinton, Que., was destroyed by fire last week. The building was valued at \$12,000, and was partially insured. —The Demill Ladies' College at Oshawa, Ont., was completely destroyed by fire on Monday last. Probable loss, \$20,000. —The College street Baptist church, corner College street and Palmerston avenue, Toronto, has been damaged to the extent of \$3,000, fully covered by insurance. —The dry kiln of the Lake of the Woods Milling Co., at Keewatin, Ont., was destroyed by fire last week, at a loss of \$4,000. —The dry goods store of Barnstead & Sutherland, on Barrington street, Halifax, was gutted by fire on the 5th inst. The loss on building is placed at \$10,000, fully covered by insurance. —The Vulcan foundry at Lucan, Ont., owned by Haloran Bros., has been consumed by fire, loss \$1,000. —The Commercial hotel at Chapeau, Ont., was destroyed by fire on Sunday last. Loss, \$4,000 to \$5,000, partially covered by insurance. —At Halifax, N. S., on the 7th inst., fire destroyed the G. N. W. lumber yard, and residence of John Davidson & Son. Loss, \$5,000; insured. —Chestnut & Hipwell's furniture and carriage factory, Rev. George Hartley's store and house, and a residence owned by Joseph Crawford, at Woodstock, N. B., were burned recently.

CONTRACTS AWARDED.

TORONTO, ONT.—G. W. Couinlock, architect, has awarded the contract for excavating for the addition to the Foresters' Temple on Bay st. to John J. Page.

HAVELLOCK, ONT.—A contract has been awarded to James Knox, of this place, for the building of a new Methodist church. Contract price, \$3,250, exclusive of seating, furnishing and heating.


ST. CATHARINES, ONT.—The Fire, Water and Light Committee received the following tenders for alterations to the fire hall: C. Leicester, \$1,900; Newman Bros., \$1,900; E. C. Nicholson, \$1,900; J. W. Carl, \$1,885; H. Milloy, \$1,771; James Tewsley, \$1,742; Cooke & Son,

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BRIDGE BUILDERS

BELLEVILLE, ONT.

\$1,719; E. Stapleford, \$1,712; W. H. Drysdale, \$1,700 (accepted).

LONDON, ONT.—Contracts for the new Higgins block on Dundas street have been let as follows: brickwork, Everett & Sing; carpentering, Jones Bros.; plumbing, Smith Bros.; plastering, Mr. Gash; painting, George Howe; iron work, W. Steveley & Son. Estimated cost \$10,000.

HALIFAX, N. S.—J. C. Dumaresq, architect, has awarded the following contracts: W. H. Mosher's building, Windsor, Jas. H. Taylor, Falmouth, contractor, \$7,000; School for Blind, Samuel A. Marshall, contractor, \$17,600; W. E. Crowe's dwelling, this city, Nickerson Bros., contractors, \$4,186.

MONCTON, N. B.—A contract has been awarded to Mr. McManus, of this place, for building a memorial hall at Memramcook, in honor of Father Lefebvre. The plans were prepared by J. C. Dumaresq, architect, of Halifax, and are in the Italian style. The building will be built of free stone, rock faced, with dressed trimmings, and is to cost about \$20,000.

MONTREAL, QUE.—Gamelin & Huot, architects, have awarded contracts as follows: One two and a half storey cottage, solid brick front, on Windsor avenue, Westmount, for Augusta Singer, Esq., all trades, Messrs. Joly & Gaucher.—J. B. Resther & Sons, architects, have awarded contracts as follows: two three storey tenement buildings on Quiklier street for Estate Marson—Masonry, Boucher & Huberdeau; carpenter and joiner's work, Lambert & Sons; roofing, plumbing and heating, Pelletier & Brosseau; brick, M. Beland.

QUEBEC, QUE.—Tanguay & Vallee, architects, have awarded contracts as follows for Marise chapel. Carpenter and joiner's work, Elz. St. Pierre; plastering, L. Larose; ornamental plastering, M. Rigali; painting and gilding, Jos. Gauthier & Frere.—Simon Peters has been awarded a contract by Mr. Menier, proprietor of Anticosti Island, for the erection of buildings and other works. The contract includes the erection of single dwelling houses, boarding houses for colonists, farm houses, general stores, saw and pulp mills, creameries, wharves and piers, etc., and the construction of a narrow-gauge railway. It is expected that the cost of the work will reach the sum of \$200,000.

OTTAWA, ONT.—The contract for the construction of the second section of the Peterborough and Trent Valley canal has been awarded to ex-alderman Cory, of this city. The contract price is in the vicinity of \$600,000. The section to be constructed extends from the village of Nassau to Little lake, a distance of 4 miles.—A. M. Calderon, architect, has awarded contracts as follows for an addition to the Ottawa Amateur Athletic Club's building: carpentering, J. J. Wallace; steam fitting, Butterworth & Co.; iron founding and smithing, The Canadian Bridge Co; plastering, J. F. Mander; electrical work, O'Rielly & Murphy; painting and glazing, Ceo. Howe. The wing will be two stories, with basement, containing six bowling alleys, cost \$16,000. On the first story will be the secretary's room, directors' room, coat room and billiard room for twelve tables, with seats for spectators. The third story will give a stage to be added to the present gymnasium, locker rooms with 100 lockers, a large bath room and boxing room.

BUSINESS NOTES.

John Carver, contractor, Kingston, Ont., has assigned to J. Ferguson.

C. D. Steinhoff, painter, Owen Sound, Ont., has assigned to George S. Kilbourn.

H. V. Pay, plumber, St. Catharines, Ont., is said to have assigned to William Thompson.

Eugene Navigne, of St. Gertrude, Que., a contractor for ties, telegraph poles, etc., is reported to have assigned. Assets, \$4,000; liabilities, \$11,000.

Clendenning's foundry at Montreal was offered for sale by auction last week. The highest bid received was \$12,000, consequently the property was withdrawn.

The Court of Review at Montreal has rendered judgment in the case of Antoine Rosseau vs. Thomas Robertson & Co. This was a dispute over a sum of about \$9,000 in connection with certain works done for the City of Kingston. The court confirmed the judgment of the Superior court, dismissing Rosseau's action and maintaining that of Thomas Robertson & Co. to the extent of \$7,788.

BRICKS FOR TALL CHIMNEYS.

An interesting paper was recently read by Mr. F. J. Bancroft, B. Sc., before the British Institution of Junior Engineers. He pointed out how little reliance should be placed on the tenacity of the mortar in constructing tall brick chimneys, since the erection might have to withstand a gale whilst the work was yet new; pressure should therefore be present over the whole of the bed joint, and in no case be less than zero, so as to become a tensile stress. The oscillation during a high wind necessitates the use of exceedingly strong bricks, since pressure is liable to be focussed on certain points. The heavier the material with which a shaft is constructed the better, in Mr. Bancroft's view. In the discussion, the question of lime versus cement for tall chimney construction was raised, and the conclusion arrived at was that lime should be used, as cement would not stand excessive heat. Now, all this is very true. There seems to be an opinion abroad that light bricks are the best for chimney construction, but we do not agree with that. Light bricks are, as a rule, very absorbent, whilst they

do not often exhibit phenomenal strength. The heaviest bricks imaginable—solid, fine-grained, non-absorbent blocks—are unquestionably the best for the purpose. But here lies the difficulty, and this is where the value of practice comes in, as distinguished from theory; your non-absorbent smooth bricks will not take kindly to lime mortar; whilst cement, as observed, is not suitable for the purpose. Mr. Bancroft's suggestion, therefore, is pregnant with interest for brick-builders, as indicating a type of chimney construction in which the value of the mortar used is placed at the lowest estimate, or practically ignored. That means greater diameter and less height for the chimney, but, above all things, heavy bricks.

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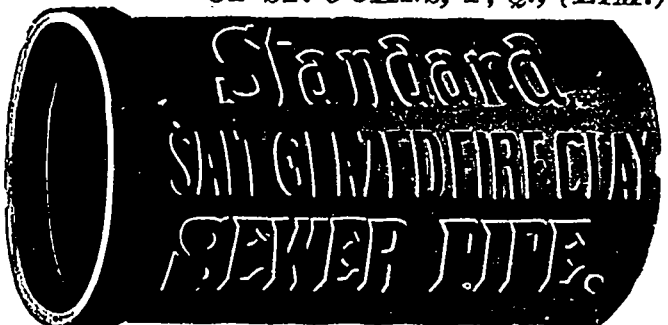


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MUNICIPAL BUILDINGS.*

In placing before you a few points in connection with the designing of modern municipal buildings, I wish to premise my remarks by saying that I claim no expert knowledge or authority on the subject. I have, however, taken much interest in this class of buildings, and given some little attention and study to them, and as a natural result, certain considerations have presented themselves to me as desirable or essential. Many of these are neither new nor original, but are well known; others doubtless are open to discussion and argument, and may be looked upon as, to a great extent, matters of individual taste or preference. I must ask your indulgence, therefore, while I state my views on these questions, and would wish it to be understood that I have no desire to dogmatize, but am merely giving an individual opinion, which must be taken for what it is worth.

There is probably no class of building in which the problem submitted to an architect is more complex or difficult of satisfactory solution than that of providing a suitable home for the municipal life of a large city. The multiplicity of departments, each of which must be in a position readily accessible, and all of which must be, to some extent, within touch of each other, the varied requirements of lighting, difficulties of site, &c., coupled with the necessity for the whole to be capable of artistic and dignified architectural treatment, render the subject at once the most difficult and, therefore, the most attractive that an architect can be called upon to devote his attention to.

The conditions under which these buildings are dealt with here in England are generally very different from those which obtain in continental countries, where a large area is usually treated as a whole, and the principal building is placed in a central and commanding position on a site open all round for light and air, and lending itself to architectural treatment from all points of view.

The usual conditions under which we work are those associated with a cramped and irregular site, possibly built in on two or three sides by adjoining property, with dominant ancient lights to be respected, and the accommodation required generally rather more than can be conveniently arranged on the ground, or provided for the amount proposed to be expended.

Now, while this of course enormously increases the study and thought required for a satisfactory solution, I am far from regarding it as an unmixed evil, and I think the interesting character of many of our buildings supports the view. An irregular and difficult site in most cases

suggests a motive or point d'appui, which is extremely valuable in initiating the plan of a building, and the difficulties which have to be overcome in the working out of the smaller details of the plan may always lead to interesting and artistic developments; the treatment of an acute or obtuse angle, or a considerable fall in the ground, contains latent possibilities which may be invaluable. An open and practically unlimited site tends to produce a mechanical and uninteresting building, for the reason that it does not call forth and excite the same effort as when there are serious difficulties to overcome.

I do not wish it to be understood, however, that I am entirely satisfied with the present conditions. On the contrary, there are too many instances in which those schemes are approached in a purely commercial and utilitarian spirit, disregarding any considerations beyond those of providing the necessary accommodation for the lowest possible expenditure. Many of our towns, especially those in manufacturing districts, are a mere jumble or conglomeration of houses thrown together, as it were, by chance, without any governing idea, without any thought of beauty or any consideration beyond that of absolute utility. When, therefore, it becomes necessary or desirable to provide buildings for the transaction of public business, an opportunity offers of raising the whole character of the town, of providing a centre or focus round which all that is best shall be gathered, and a building which shall tend to promote the appreciation of the beautiful by the people, and shall be a source of pleasure and pride to succeeding generations. Realising this, it becomes essential that such a scheme should be inaugurated in no narrow or parsimonious spirit, confining the expenditure, as is often the case, to a sum barely sufficient to build four walls and a roof. The far-reaching effects on the intellectual and moral condition of the people of the contemplation of beautiful and artistic objects cannot be over-estimated, and money expended for such purposes should be regarded as quite as well spent as for such practical matters as sanitation, &c. I am happy to see that this appears to be becoming more clearly realized by the general public year by year, but education in this direction must still be regarded as only in the elementary stage.

The general character of the accommodation required in modern municipal buildings may be summarised as follows:—1. Offices for the various officials and their clerks, usually placed on the ground and first floors. 2. Council chamber, mayor's parlor and committee-rooms, generally on the first or principal floor. 3. Police department, cells, court-room, &c., on the ground and first floors, and sometimes partially in the basement. 4. A public hall on the ground or first floor, according to the special conditions of the site. Other requirements are sometimes added, but these constitute those most generally demanded.

Dealing first with Section 1, the

accommodation for officials and clerks; these usually consist of departments for rates and borough accountant, borough surveyor, medical officer and nuisance inspector, water and gas works, and the town clerk. It is essential that all these should be very readily accessible to the public, and with this in view all except the offices allotted to the town clerk are usually placed on the ground floor if the area of the site permits. The town clerk, requiring to be in touch with the mayor's parlor and committee-rooms, is generally placed on the first floor, but it is desirable that his clerks, or inquiry office, should immediately adjoin the head of the public staircase. The chief desideratum to be borne in mind in planning these offices is compactness, and the reduction to an absolute minimum of the length of public corridor required. In most instances some public corridor is essential, and in these cases it should be wide, not less than 8 feet or 10 feet, and well and directly lighted. The clerks' and inquiry offices should be in the most prominent and noticeable positions, the private offices being rather more retired, and entered through the clerks' offices, as well as provided with a door from the corridor for private use.

I may here mention a point in regard to the designing of corridors which appears to me to be worthy of consideration. In cases where the height of the offices is from 12 feet to 14 feet, in the ordinary course the corridor adjoining would be of the same height. Now this for a corridor, perhaps 8 feet wide, gives a very satisfactory proportion, and one which can without difficulty be corrected if trouble be taken to do so. One means of doing this is by introducing a vaulted ceiling, which at once reduces the apparent height. Another way is to introduce a flat false ceiling at a height of 9 feet or 10 feet, in which case the space between the ceiling and the floor above may be utilized for pipes or electric wires or for ventilation with advantage, provided some means of access is arranged, which should not present much difficulty.

In small buildings where only two or three departments of offices are provided for, it should be possible to so arrange that the public office of such department may open from the entrance hall direct, and thus avoid all corridors except such as may be necessary for private inter-communication. This is, of course, the ideal arrangement, but it is not possible where there are a number of different departments.

The position of the borough surveyor will in most cases be determined by the fact that his drawing office should be lighted from the north. This is generally insisted on, though personally I am of opinion that too much importance is attached to it. A direct south light might reasonably be objected to, but east or west light appears to me to be preferable to north light, which renders a room very cold and cheerless. The drawing office should be a long narrow room with windows on the long side, and it is desirable that the principal's private office should directly command both this and the clerks' or inquiry office if possible.

(To be Continued.)

* A paper read by Mr. H. T. Hare at a meeting of an English Architectural Association.

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CONDITION OF THE MARKET.

TORONTO: a slight improvement has taken place in builders' supplies during the past week. Orders are being placed more freely, but principally for small lots. General hardware is active, largely the result of the summer freight rates. Some good contracts have lately been placed for both Canadian and iron pipe. Building paper is in good demand, and large shipments are going forward.

MONTREAL: The Iron Manufacturers' Association have advanced wire nails 5 per cent., while cut nails are also likely to go upwards. Plumbers supplies are improving, though little activity is yet noticed. Cement is quiet, and prospects for future delivery are not encouraging. A firm feeling is to note in firebricks, at \$17 to \$21. Paints and oils have taken on new life, and shipments are good.

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Table with columns for item description and prices for Toronto and Montreal. Includes items like 3 inch, per 100 lbs., 2 1/2 and 2 3/4, 2 and 2 1/4, 1 1/2 and 1 3/4, 1 1/2, etc.

SHARP AND FLAT PRESSED NAILS.

Table with columns for item description and prices for Toronto and Montreal. Includes items like 3 inch, per 100 lbs., 2 1/2 and 2 3/4, 2 and 2 1/4, 1 1/2 and 1 3/4, 1 1/2, etc.

STEEL WIRE NAILS.

Steel Wire Nails, 75 % discount from printed list

Iron Pipe:

Table with columns for item description and prices for Toronto and Montreal. Includes items like Iron pipe, 1/2 inch, per foot, 3/4, 1, 1 1/2, 2, etc.

Toronto, 65 per cent. discount. Montreal, 60 to 65 per cent. discount.

Lead Pipe:

Table with columns for item description and prices for Toronto and Montreal. Includes items like Lead pipe, per lb., Waste pipe, per lb., Discount, 30 % off in small lots.

Galvanized Iron:

Table with columns for item description and prices for Toronto and Montreal. Includes items like 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 1/2c. per lb. less.

Structural Iron:

Table with columns for item description and prices for Toronto and Montreal. Includes items like Steel Beams, per 100 lbs., channels, angles, tees, plates, Sheared steel bridge plate.