

to Duchan was held recently. An effort will be made to secure the carrying out of the project.

**SYDENHAM, ONT.**—A public meeting will be held here shortly to discuss the construction of a branch railway line between Harrowsmith and Sydenham, to connect with the Bay of Quinte railway.

**BETHEL, ONT.**—Mr. W. C. Switzer will receive tenders until the 15th inst. for a new Methodist church. Plans and specifications can be seen at the office of Messrs. Brownson & Staples, Peterboro'.

**STRATFORD, ONT.**—A two story brick residence and office for Dr. Devlin will be erected on Painswick St., at a cost of \$2,500. Mr. H. J. Jewell, architect, will have charge of the work. Contracts will be awarded in a few days.

**BROCKVILLE, ONT.**—The site for the new hospital has not yet been selected. The Street Committee of the City Council has been authorized to advertise for tenders for 100,000 feet of pine and cedar lumber and 275 feet of curb stone.

**VICTORIA, B. C.**—It is reported that the C.P.R. will build a line of railway from this city to Nanaimo.—The sum of \$26,000 has been subscribed towards the erection of the new Board of Trade building, and plans will shortly be prepared.

**WALKERVILLE, ONT.**—It is rumored that Hiram Walker & Sons have purchased the whole of the Ontario Gas Co. and will lay gas pipes from Essex Centre to this place. This firm will also build new offices this spring.—Fifty new cottages will be erected this summer.

**GUELPH, ONT.**—The Board of Works has recommended the construction of a new iron bridge to replace the one known as Allen's bridge, at an estimated cost of \$1,200.—A Baptist Church will shortly be erected here. Messrs. Langley & Burke, architects, of Toronto, are preparing the plans.

**KINGSTON, ONT.**—Mr. Arthur Ellis, architect, is preparing plans for a fine residence to be erected for Mr. Vanluven, County Treasurer, near Cataraqui.—The City Engineer will receive tenders until the 17th inst. for plank walks and crossings.—A new Collegiate Institute will be erected, the Public School Board taking over the old building.

**LONDON, ONT.**—The City Engineer will receive tenders until 5 p.m. on Thursday, the 17th inst., for the supply of the following: Plank sidewalks, artificial stone walks, sewer pipe and cement, lumber, nails, gravel and paving stone. Mr. J. D. Sharman is erecting a brick residence on the corner of St. James and Richmond Sts. The cost will be about \$2,500.

**HALIFAX, N. S.**—At a recent meeting of the City Council it was decided to proceed with the construction of a duplicate water main from the lakes to city. The estimated cost of the work will be between \$200,000 and \$300,000.—A committee has been appointed to prepare a petition to present to the Government urging the erection of a new drill shed to replace the one recently destroyed by fire.

**TORONTO JUNCTION, ONT.**—Mr. Peter Ellis is about to erect a detached solid brick house on Arnette St., near May St.—The Council has agreed to build that portion of the sewer within the city on Dundas St. Mr. Biggs, engineer, has been instructed to forward the plans at once and arrange with the City Engineer for immediate work thereon.—Tenders are invited until the 1st of April for the building of the Ontario St. brick sewer in accordance with the plans of the town engineer.—The ratepayers have earned the by-laws granting the sum of \$45,000 for the completion of the Keele St. subway and \$9,000 for electric light purposes.

**OTTAWA, ONT.**—The congregation of St. Andrew's Church are considering the erection of a new Sunday school building, at an estimated cost of \$20,000.—The City Engineer has been instructed to call for tenders for vitrified clay pipe and other drain requirements.—Tenders will be received until Friday, 18th inst., for the construction of two bridges across the river St. Louis, County of Beauharnois, Que. Plans and specifications to be seen at the office of Alexis Doutre,

Beauharnois, and at the Dept. of Public Works, this city.—Tenders are wanted by the Dominion Government for filling in and masonry of the new bridge at Oliver's Ferry.—E. F. E. Roy, Sec. Dept. of Public Works, will receive tenders until Friday, 25th inst., for the construction of a public landing wharf at Tracadie, Gloucester County, N.B. Plans at the Department, this city, and on application to Mr. C. C. Turner, Tracadie, N.B.

**WINNIPEG, MAN.**—The Winnipeg Rowing Club will erect a new boat house this spring.—The board of directors of the new hospital have decided to proceed with the erection of a new building to be used as an isolated hospital, and are advertising for plans and estimates therefor.—Application will be made to the Dominion Parliament for an amendment to the charter of the Manitoba and Assiniboine Grand Junction railway company, granting the company power to extend its line of railroad from a point near Lake Dauphin into the city of Winnipeg.—The residents in the vicinity of Brokenhead will memorialize the local government to grant an appropriation for the construction of a bridge.—Application will be made to the legislature for power to build a branch of the Great Northwestern Central railway to Birtle.—C. H. Wheeler, architect, will shortly award contracts for a residence for M. R. O'Loughlin at Armstrong's Point, cost \$6,000; a residence for Wm. Bathgate on Kennedy street, near Graham, cost \$8,000, and a mansion for John Galt, to be built on River avenue, cost \$11,000. Several plans for buildings at Regina, Morden, Rat Portage and other places are now ready for tenders.—The firm of Carscaden & Peck have decided to commence on April 1st preparatory operations on the basement of their new \$30,000 warehouse, to be built on the corner of Princess and Notre Dame streets.

**HAMILTON, ONT.**—The managers of the New York Conduit Pipe Co. were in the city recently looking for a suitable site on which to erect a building to be used as a branch factory.—The Street Railway Committee of the Privy Council recommends that the Hamilton, Grimsby and Beamsville Electric Railway Co. be given permission to build its road through the city, provided it completes its line before July 1st, 1893.—A petition has been presented to the Waterworks Committee of the City Council asking for the construction of a 6-inch water main on Burlington St., a distance of about one mile. A sub-committee was appointed to consider the matter.—Building permits have been granted as follows: F. Slatter, one 2-story bk. dwelling, Blyth St., between Stinson and Alanson Sts., cost \$1,700; Thos. Smith, one 2-story bk. dwelling, south-east cor Barton and Locomotive Sts., cost \$1,200; James McDougall, one 2-story bk. dwelling, adjoining Thos. Smith's, cost \$1,200; Thos. Allen, one 2-story bk. dwelling, Victoria Ave., between Cannon and Robert Sts., and two 2-story det. bk. dwellings on the south east cor. of Robert St. and East Ave., total cost \$3,509; Peter Bayne, pr. 2-story bk. dwellings, Peter St., between Ray and Pearl Sts., cost \$2,700.—The promoters of the new theatre are negotiating for the purchase of the Bridgewood site at the south-east corner of Hughson and Jackson Sts. on which to erect the new building.—The franchise for the electric street railway will in all probability be awarded to the Hamilton Street Railway Company.

**TORONTO, ONT.**—Ald. George Macdonald, Ald. Leslie, Messrs. Wm. Poulton and Wm. Cawthra, all of Toronto, recently waited on the Minister of Public Works for Ontario concerning the construction of a railway from Wahnapiat station to the lake of the same name.—Tenders will be received until to-day (Saturday) for the erection of two brick houses on Argyle St. Plans at 45 Gloucester St.—A number of building sites have been purchased at Moor Park.—A special meeting of the Board of Works will be held next week to consider on what streets single street railway tracks will be constructed.—A large block of stores is shortly to be erected on the corner of Alexander and Yonge Sts., plans for which are now in course of preparation.—Messrs. R. Walker & Sons are making preparations to erect a building adjoining their present drygoods establishment on King St.—Mr. Moore, of Moore Park, is about to make extensive alterations to

his residence.—The City Council has decided to extend the Berkeley street sewer 60 feet into deep water, at a cost of \$405.—W. Gibson, 36 First Ave., wants tenders for building a small house at Kilmory Beach.—Tenders are wanted for all trades, diggings and drains of one store to be erected on Ossington Ave. Plans at R. McConnell's, architect, 46 Shanley Ave., Dovercourt.—A petition has been presented to the Council for the construction of a street car track on Arthur St.—The Executive Committee of the City Council has decided to advertise for new tenders for the furnishing of a chemical engine.—At a recent meeting of the board of management of the Homoeopathic Hospital, it was decided to take steps shortly towards providing funds for the purchase of a site and the erection of a new building.—The following building permits have been granted: Thos. Stinger, 78 Teraville st., three att. 2-story and attic bk. dwellings, 117 Howland ave., cost \$9,000. P. Jamieson, new front to store, cor. Queen and Yonge sts., cost \$5,000. Mrs. E. F. Stiles, det. 2-story bk. and stone dwelling, cost \$5,000.

**MONTREAL, QUE.**—The following is a list of streets to be paved during the present year with the estimated cost: Asphalt—Sherbrooke, from Amherst to Union Ave., estimated cost \$102,000, Ontario, St. Lawrence to Bleury, \$31,700, Papineau to Amherst, \$55,500; Dorchester, Campeau to St. Denis, \$18,700; in front of General Hospital \$6,050, St. Peter, Common to Notre Dame, \$21,000; Custom House Sq., \$5,596; Victoria square, \$33,500; Vaudreuil St., \$2,540; Fortification lane, \$27,500; Champ de Mars street, \$7,000; Donegan street, \$3,300; Osborne, \$24,000; Union Ave., St. Catherine to Sherbrooke, \$25,488; Dorchester street, Beaver Hall square to Peel street, \$43,980; Fort street to limits, west, \$24,000; Notre Dame, McGill street to Chaboillez square, \$30,000; Chaboillez square, \$29,000. Granite or wood—St. Hubert street from Craig to Ontario, \$56,360; St. Lawrence, St. Catherine to Sherbrooke, \$44,000; Jacques Cartier square (all granite) \$24,000; Commissioners street (all granite), Custom House square to St. Peter street, \$44,950; McCord (all granite), William to Wellington, \$42,750; St. Leon, McCord to Wellington Bridge, \$11,500; St. Catherine, St. Matthew street to city limits (wood blocks), \$43,000; Wellington street (granite), St. Etienne to Bourgeois street, \$68,550; St. Etienne, Wellington to Mill street (granite), \$33,050; Albert street (granite), Chaboillez square to Mountain street, \$47,500. The road committee will call for tenders for the proposed work in a couple of weeks.—Mr. Eric Mann, architect, is preparing plans for the re-building of Evans' block, corner Craig and Victoria square.—Mr. Prefontaine, architect, is preparing plans for a Prebytery at St. Julie de Verchere.—Mr. W. McLea Wallbank, architect, is calling for tenders for the erection of a dwelling on Pine Ave. for Mr. Reinhardt.—Mr. W. Livermore, architect, is preparing plans for three cut stone tenement houses at Cote St. Antoine.—Mr. Henry Archibald will build a fine residence on the corner of Prince Arthur and Durocher street.—Mr. Chas. Chausse, architect, is calling for tenders for a residence for F. L. Beique.

#### FIRES.

A disastrous fire occurred at St. Stephen, N. B., on Friday, of last week, resulting in the following losses: J. D. Chapman, building, \$7,500, insurance \$7,000; Frank Todd, two buildings, \$3,000, insurance \$2,000, Westcott building, \$600, insurance \$500; C. E. Gilmore, furniture and undertaking, \$5,500, insurance \$3,500; Vroom Bros., furniture, \$1,000, covered by insurance; Todd Bros., hardware, \$10,000, insurance \$6,000; John Smith, stoves and tinware, \$2,000, insurance \$1,500; C. F. Todd & Sons, lumber, \$500, insured.—A three story brick store on Front St., Sarnia, Ont., owned by Miss Dora Kenny, and occupied by R. H. Thompson, was completely gutted by fire on Saturday last. Loss \$4,000, insurance \$1,500.

#### CONTRACTS AWARDED.

**SOUTHAMPTON, ONT.**—Mr. G. C. Smith has received the contract for a pier extension in the harbor.

**Pembroke, Ont.**—Mr. J. W. Munro has been

awarded the contract for masonry and Mr. W. Beatty the carpenter work for the new hospital building.

**MELBOURNE, ONT.**—Mr. W. W. Gordon, of Glencoe, has the contract for furnishing the masonry for a \$3,000 residence for Jas. Carruthers.

**MONTREAL, QUE.**—Messrs. Taylor & Gordon, architects, have awarded the contract for the erection of the Chapel of Lennoxville College to Lemaire & Howe, of Sherbrooke.

**WINNIPEG, MAN.**—The contract for the repairs to the Montreal Bank has been awarded to Messrs. Rourke & Cass, for \$13,000.—The contract has been let for a residence for Hon. Mr. Smart.

**HAMILTON, ONT.**—At the last meeting of the Board of Works, the following tenders were accepted: Spikes, Charles Carpenter, \$2.35 per keg; pine planking and scantling, Robert Thomson & Co., \$12.10 per 1,000 feet; cedar and tamarack posts, D. L. Van Vlack, 40 cents per yard for cedar and 41 cents for tamarack.

**TORONTO, ONT.**—The Gutta Percha and Rubber Co. has been given the contract to supply 600 feet of hose at 90 cents per foot.—The contract to supply the equipment for the Toronto and Mimico Electric Railway has been awarded to the Reliance Electric Mfg. Co.—Mr. E. J. Lennox, architect, has awarded contracts for alterations to the Conservatory of Music, to cost \$5,000.

**LONDON, ONT.**—Ald. Garratt has the contract for the erection of a fine residence on Princess St. for Mr. J. R. Shuttleworth. It will be built with red pressed brick and Credit Valley stone facings, and will cost \$5,000.—The Waterworks Committee has awarded contracts for the annual supplies as follows: Portland cement, John Mann & Co., \$3.20 per barrel; lumber, W. H. Winnett, \$13 per 1,000 ft.; lead pipe, Cowan & Co.; hardware, McLean & Co.; brasswork, Essex & Co. Harding & Leathorn were awarded the contract for pipe laying.

#### USEFUL HINTS.

A painter who knows the nature and composition of varnish would not think of thinning it with turpentine and expect it to present a good varnished surface; he would know that the introduction of raw turpentine to a varnish is destruction of the latter's good qualities, because the varnish maker, when manufacturing the varnish, has added the requisite quantity of turpentine. Similarly with paints, the knowledge of a few facts concerning their composition will enable him to avoid many errors and mischievous blunders in the use of his materials.

Oxides of iron should never be used as components of lead or zinc paints, as they possess the worst features of all pigments having an iron base, and the result of combining them with the substances mentioned is that the mixture, some time subsequent to being applied to exposed surfaces, becomes mottled and streaked, making a most unsightly appearance. A pure oxide of lead has the requisite proportions for resisting atmospheric influences, and when its merits become more fully known its manufacture will be improved, and quality rather than quantity will be sought after.

Sewers, says the *Sanitary News*, are a necessity to the progress, prosperity and life of a city. A small city will not require many sewers, but it requires the ones it does need as much as it does anything else it cannot do without. A large city requires more and greater sewers, and great care should be given the building of sewers, in order that as the city grows these sewers need not be removed. Let them be made so that they can become a part of the large sewerage system that the city will in time need. It will be cheaper to supply the demand that is to be, with the exception of large sewers, when they are put in, than to go to work and tear them all out for the purpose of putting in new ones. This is for cities whose growth is not destined to be great, but whose growth is sufficient to need more sewers in the future.