

of a store, warehouse and offices for the master mechanic and store-keeper, car wood workshop, and car shops.—The C.P.R. are now considering the advisability of erecting cement works here in order to supply the cement required for the buildings they are erecting.

ST. THOMAS, ONT.—Mr. W. L. Idsardi has written to the city council offering a free site for a new city hall, provided the building would cost not less than \$15,000.

KINGSTON, ONT.—The city council has decided to advertise for tenders for the supply of 1,000 feet of hose.—The Collegiate Institute Board have applied to the city council for an appropriation of \$25,000, with which to erect a new building.—A movement has been commenced towards the erection of a House of Refuge.—A fine summer hotel will be erected at Kingston Mills.—The different Catholic societies propose to erect a large building.—Col. Anderson, chief engineer of the Marine Department, Ottawa, was in the city recently making final arrangements for the erection of range lights in the harbor.

WINNIPEG, MAN.—The Board of Manitoba college have accepted plans for improvements to the building to cost \$40,000.—The Regina and Long Lake railroad will be extended this season from Saskatoon to the Saskatchewan river.—Mr. T. Waddell is building a residence on Sargent street from plans prepared by J. Greenfield, architect.—The following items appear in the estimates of the Provincial Legislature for 1892: additional building for Winnipeg hospital \$2,500; St. Boniface hospital, \$5,640; Brandon hospital, \$2,500; Deaf and Dumb institute, construction, etc., \$6,500; Court buildings, Winnipeg, \$2,500. For railway aid the sum of \$60,000 is voted for the Souris extension, and for Red River valley railway \$55,000.

HAMILTON, ONT.—Plans for the new Maternity Hospital have been submitted to the Building Committee for approval.—The capitalists interested in boring for natural gas have applied for incorporation under the name of the Mining and Natural Gas Company with a capital of \$50,000. So far \$0,000 has been subscribed towards sinking several experimental wells.—E. F. E. Roy, Secretary Department of Public Works, will receive tenders until Tuesday, the 10th inst., for dredging the harbor at this place. Plan and specification to be seen at the office of the Hamilton Steamboat Company, this city, and at the Department of Public Works, Ottawa.—Mr. Chas. Mills, architect, is preparing plans for a new parsonage for the Simcoe street Methodist church.—The sum of \$5,500 has been subscribed towards the erection of a monument in this city to the late Sir John A. Macdonald.—Building permits have been granted as follows: J. S. Hossack one two-storey brick dwelling on Herkimer st., between Caroline and Hess streets, cost \$2,500; A. Smith, for two one and a half storey brick dwellings on Tisdale street, between Cannon and Wilson sts., cost \$1,400.

MONTREAL, QUE.—The Road Committee will receive tenders until Wednesday, the 27th inst., for the supply of the following materials for the year 1892: vitrified clay pipes, vitrified clay inverts, lumber, spikes and hardware, brick, cement, coal and castings.—Messrs. Fowler & Bowe, architects, are calling for tenders for a fire-proof building for the Bushnell Oil Co. at Mile End. Montreal terra cotta and Hayes metallic lath to be used. Also Strath's cement plaster.—A. Gendron, architect, is calling for tenders for the erection of two cottages on Seymour ave., for Peter Gillespies. He is also preparing plans for the following buildings: Dwelling for James Douglas, Cote St. Antoine, four houses on Durocher street for Messrs. Wilson & Frost, five houses on St. Charles Borromeo street for the Land & Loan Co. and two stores and dwellings on Bleury street for Estate of O. Durand.—J. H. Bernard, architect, is preparing plans for two dwellings on Sherbrooke street for W. Roberts.—Building permits have been granted as follows: E. N. St. Jean, alterations to dwelling on LaGauchetière st., cost \$1,500; Perrault & Mesnard, architects; Mrs. R. S. Chestnut, 1½-storey brick and wood dwelling, Gain st., cost \$1,600; Estate Birmingham, additions to a store and dwelling on Commissioner st., cost \$2,000; W. H. Hodson, architect; masonry, Thomas &

Mailbot; carpentering, E. Mooney & Co.; Frank W. Newman, 3-storey brick and stone dwelling, Crescent st., cost \$10,000.

OTTAWA, ONT.—A deputation recently interviewed Hon. Mr. Abbott and urged the granting of an appropriation for the purpose of constructing a traffic bridge across the North Saskatchewan river at Edmonton, N.W.T.—E. F. E. Roy, Secretary Department of Public Works, will receive tenders until Friday, the 22nd inst., for dredging in the Kaministiquia river. Plans and specifications to be seen at the office of W. Murdoch, Resident Engineer, Port Arthur, and at the office of the Public Works Department, this city.—A deputation recently interviewed the Government urging the granting of the subsidy of \$3,200 a mile to the Parry Sound Colonization Railroad for the full length of the road, 49½ miles. Twenty miles of the road are now completed and the balance will be built the coming summer.—The following are among the new buildings to be erected in this city during the present year: St. Andrew's church, school house, cost \$20,000; Bell Telephone building, Queen street, cost \$20,000; P. Thackray, six houses, cost \$8,000; Mass Harmon, school building, Elgin street, cost \$10,000; W. W. Brown, three-storey building, Sparks street, cost \$16,000; Johnston Brown, warehouses, Bank street, cost \$4,000; Harry Cluff, four stores, Bank street, cost \$2,500; Mr. Rogers, building, corner Concession and Somerset streets, cost \$3,600; Copping, building on Florence street, cost \$2,500; Ald. Campbell, building on Somerset street, cost \$9,850; Kirby's (branch) drug store, corner Somerset and Arthur streets, cost \$3,000; J. A. Browne, fruit warehouse, O'Connor street, near Slater, cost \$4,000.—A deputation from Penetanguishene recently waited upon the Minister of Public Works asking for an appropriation towards dredging the harbor at that place.

TORONTO, ONT.—A company has been formed for the purpose of establishing smelting works in the province, with the following provisional directors: Elias Rogers, H. S. Howland, Robert Jaffray, J. K. Kerr, H. N. Baird, A. S. Irving, W. D. Matthews, Geo. A. Cox, John I. Davidson, G. T. Blackstock, H. L. Hime, and T. D. LeMay. The cost of the buildings and plant is estimated at \$200,000. A deputation will wait on the Ontario Government at an early date to endeavor to secure some assistance in the undertaking.—The Board of Works has decided to advertise for tenders for the supply of 600 feet of rubber hose.—The University authorities have written to the city council stating that they were willing to be assessed for their portion of the cost of paving Adelaide street, and the work will be proceeded with at once.—At a meeting of the Board of Health held on Wednesday last, it was resolved to have plans prepared for a new isolation hospital, the cost not to exceed \$20,000.—The City Engineer has recommended the construction of sidewalks on Norfolk street, Avenue road, Springhurst, Logan, Pears, Tecumseth, Abbs, Parliament, Avenue, Victoria, Galle, Ontario, Bryon and King streets, at a cost of \$2,265.—Mr. H. O. Bennett, 26 Wellington street east, wants tenders until noon on Monday for the painting of certain island cottages.—At a meeting of the Public School Board held on Thursday last, a motion to provide funds for the erection of a new school on the corner of Sheridan avenue and Marshall street was referred to the Finance Committee for a report.—Mr. Thos. Pells has decided on the erection of a new theatre building. Two sites are under consideration, one at the corner of King and Frederick streets, and the other that of the old Royal Theatre, on the south side of King street, between Bay and York streets.—Mr. Willmot, architect, is preparing plans for a school to replace present buildings in Davisville, cost about \$8,000.—Alterations are to be made to the school premises at Eglinton, under direction of the same architect.—Building permits have been issued as follows: Jas. Sheard, new plate glass fronts and additions to rear of stores, 419 to 421½ Yonge st., cost \$1,500; Geo. Rennie, pair s.d. 2-storey and attic bk. dwellings, n. w. cor. Logan and First ave., cost \$4,800; C. C. Witchall, pair s. d. 2-storey and attic bk. dwellings e. side Dovercourt road, s. of Dundas st., cost \$6,000; J. Bears, alterations and addi-

tions to house, n. w. cor. Douro and Nisquam sts., cost \$4,000; Wm. Milne, pair s.d. 2-storey bk. dwellings, n. side Douro st., w. of Portland st., cost \$4,000; W. H. Millicamp, pair s.d. 2-storey and attic bk. dwellings, e. side Howland ave., just n. of Bloor st., cost \$3,000; Allan Mfg. Co., 4-storey and basement bk. factory, s.e. cor. Simcoe and Pearl sts., cost \$9,000; Patrick Midqueen, mansard roof and bk. casing store, n. w. cor. Wilton ave. and Berkeley st., cost \$1,500.

#### FIRES.

The Grand Trunk engine house at Galt, Ont., was burned on Thursday last.—The Proctor House at Trenton, Ont., owned by Thomas Ventress, was damaged by fire to the extent of \$3,000 on Wednesday last.—A brick hotel at Birm., Ont., owned by Wm. O'Neil, of London, Ont., and occupied by L. J. Scott, was destroyed by fire on the 1st inst.—The Bouscours market at Montreal, was destroyed by fire on Sunday last. The loss is estimated at \$20,000.—The residence of George Flora, at Brockville, Ont., was destroyed by fire on Monday last. Loss, \$1,200; insurance, \$5,000.—The machine shop of Mr. J. E. Needham at Millbrook, Ont., was burned on the 2nd inst. Loss, \$2,000, partially covered by insurance.—The post-office building at Barrie, Ont., was destroyed by fire recently. Loss, \$3,000.—The residence of Mr. David Patten at Drumbo, Ont., was burned on Saturday last. Loss, \$1,000.

#### CONTRACTS AWARDED.

VANCOUVER, B. C.—The contract for erecting the new Vancouver Club house has been awarded to Mr. E. Cook.

QUEBEC, QUE.—Mr. David Ouellet, architect, has awarded a contract to Messrs. J. Labrue and O. Michaud for the erection of a new hospital at Point Lévis, opposite Quebec. The Hotel Dieu of Quebec, proprietor.

GUELPH, ONT.—Contracts have been awarded as follows for the erection of a two-storey residence on Stewart street for Mr. W. Coon Brickwork, Mr. Chubb, carpentry, Mr. Mahoney, tin-smithing, Mr. Rudd, painting, Mr. Goss.

HAMILTON, ONT.—Contracts have been awarded as follows for the erection of a residence for Mr. Chas. Gurney: Masonry, George Webb, carpenter work, Sage & Small, plastering, Chapman & Sons, painting and decorating, Campbell & Co. Mr. W. A. Edwards will have charge of the work.

OTTAWA, ONT.—Messrs. Stewart and O'Toole, of this city, have signed contracts with the railway department for the construction of two new bridges over the Rideau canal at Merrickville. The amount is in the neighborhood of \$20,000.—Messrs. Provinceau, Turcott & Martineau, of Montreal, have been awarded the contract for masonry and brickwork of St. Joseph's Church.

TORONTO, ONT.—The Water Works Committee of the City Council have accepted the following tenders for supplies: Special castings, Treloar, Blachford & Co., hydrants, Charles Smith & Co.; stop-valves, Charles Smith & Co., pig lead, Ontario Lead and Barb Wire Company at \$3.12 per 100 pounds; brass castings, Wilson & Cousins; bronze castings, Thos. Dean; iron stop cocks, St. Lawrence Foundry Company; lead pipe, Samuel, Benjamin & Co. at \$3.14 per 100 pounds; iron piping, Alexander Garshore, Hamilton, at \$3 and \$31.25 per ton; rubber work, Toronto Rubber Company; valve chambers, Burns & McCormack; oak tops, C. K. Rogers.

MONTREAL, QUE.—Messrs. Fowler & Bowe, architects, have awarded contracts as follows for the erection of a building on Bleury street for the Darling Estate, masonry, W. G. Turner & Co., brickwork, Alex. Wand; carpentry, J. F. Henderson; plumbing, W. P. Dockrill; plasterer, O. A. Vidal; painting, J. B. Owens; steel beams, Dominion Bridge Co.; iron columns, Day & Deblon.—J. B. Gardner, architect, has awarded the contract for masonry for a mission church at St. Henri to Mr. J. Lewis. Other trades not let yet.—W. McLean Wallbank, architect, has awarded the contracts for two three-storey buildings, corner of Bleury and Craig streets, as follows: Masonry, J. B. St. Louis; brickwork, T. W. Peel. Other trades not let.—W. E. Doran, architect, awarded the contracts for a 3-storey dwelling for Wm. Strachan, at Valois, Que.—J. H. Bernard, architect, has awarded contracts as follows for two stores below St. Catharine street, for Jas. Baxter, Esq.: Masonry, A. Guilbault; brick work, J. Morache; plumbing, roofing and heating, D. Oumet; painting, Delage & Co.; plastering, O. A. Vidal. Carpenter work not yet let. Also for two dwellings for Wm. Roberts on Sherbrooke street, as follows: Masonry, Picard & G. Mesnard; carpentry, Mathieu & Vaillancourt; plumbing and roofing, F. Ducloux; plastering, O. A. Vidal; painting, D. Delage.

## MUNICIPAL DEPARTMENT.

### CITY GOVERNMENT IN GERMANY.

With us, municipal offices are the spoils of successful politicians, says the *Journal of the Telegraph*; in Germany they are the prizes of successful experts. It seems to a German as incredible to hear of a city governed by men who are just pausing on their way to some higher place as it would be to hear of a railroad or of a cotton-mill thus superintended. Good city administration with us is an accident. It occurs because the man with the appointing power happens to appoint a good agent. In Germany, city work is a science as far from politics as is the science of engineering or architecture. Each salaried alderman is responsible for a single department, or for several closely allied parts of the public business. He does not serve, as do our alderman, on three or four-scattered committees schools, licenses, and sewers—about none of which he has any scientific knowledge. He is elected to his office because of his knowledge and skill in a special field of municipal work, and takes charge of that department. Thus, city work offers to a young German a life career, just as railroading or manufacturing does in America. An educated man makes a special study of water-works or building-laws or poor-relief. He learns the methods of the best European cities. He serves his time in the administration of some small town, and perhaps gets a place at the head of his chosen department in some small city, and tries to make that department a model of efficiency and economy; finally, he finds the end of his professional ambition in being promoted to the same work in one of the great cities of the kingdom. Here he has a place of dignity in the social world, and if successful, holds a life office with the assurance of a pension for himself and his family.

### GROUND-WATER SUPPLIES.

The percentage of available groundwater that comes direct to the supply from borders of water or streams that may be adjacent to the source of supply of any particular place, was the subject of a recent short address by Mr. Albert F. Noyes, City Engineer of Nepton, before the New England Water-Works Association. The speaker stated that it had been assumed for some time that the infiltration from a body of water to the ground was very small, and, in fact, that engineers of considerable experience had pronounced it absolutely nothing. He stated that in some of the tests for suits for water damages, a test had been made to show that no water was taken from these bodies of water by driving a tube well in the stream. When the water was observed to rise above the level of the stream and flow out of the pipe, the conclusion was that there was no infiltration. Nevertheless, when the ground-water is drawn, the water table is usually several feet below the level of the stream. In such cases, the speaker was convinced that there is a very considerable percentage of infiltration from the adjoining body of water into the ground, which very largely increases the quantity that is available to that supply.

The favorite wood for paving purposes in London is the jarrrah wood, imported