

about 30 houses ranging from \$2,400 to \$4,000. Twenty permits have already been issued in this connection, totalling \$50,000.—Recent building permits include:—W. J. O'Reilly, 3 attached 2½-storey back dwellings, Crawford street, \$8,000; H. J. Reynolds, 3 attached 2-storey and attic brick dwellings, Clinton street, \$10,000; Davis & Moore, pair 2-storey semi-detached brick veneered dwellings, Lansdowne avenue, \$4,000; Wilkins & Co., 2-storey brick dwelling, Madison avenue, \$6,000; Davis & Fuller, pair 2-storey semi-detached brick veneered front and rough cast dwellings, Victor avenue, \$2,500; R. A. Graydon, 2 detached 2½-storey brick dwellings, George street, \$8,000; G. Ostrander, 2½-storey brick dwelling, Wright avenue, 3,000; H. C. Cooper, 2-storey brick veneered front and rough cast dwelling, Muir avenue, \$2,700; Scott & Strickland, pair 2-storey brick veneered front and rough cast dwellings, Lansdowne avenue, \$3,100; L. C. Sheppard, 7 pairs 2-storey semi-detached brick dwellings, MacLinn avenue, \$25,000; L. C. Sheppard, 4 pairs 2½-storey semi-detached brick dwellings, Parr street, \$16,800; M. Davies, addition to dwelling, Markham street, \$2,000; W. O. McTaggard, three 3-storey brick stores and dwellings, College street, \$12,000; Alex. Reid, 2-storey brick dwelling, Dovercourt Park, \$2,300; Pape avenue Presbyterian Congregation, 1-storey brick church, Pape avenue, \$2,000; L. C. Sheppard & Co., 2½-storey brick dwelling, Parr street, \$2,000; L. C. Sheppard & Co., 2½-storey brick dwelling, Parr street, \$2,200; L. C. Sheppard & Co., 2½-storey brick dwelling, Dufferin street, \$2,600; L. C. Sheppard & Co., 2½-storey brick dwelling, Gldstone avenue, \$2,000; A. Elliott, 2 pairs semi-detached and 1 detached 2½-storey brick dwellings, Oakland and Alcorn avenues, \$12,000; Jas. Lancaster, pair 2½-storey semi-detached brick dwellings, Galley avenue, \$5,000; Wm. Rogers, 3 attached 2-storey and attic brick veneered front and rough cast dwellings, Symington avenue, \$4,000; H. J. Squires, 2-storey and attic brick dwelling, Lennox street, \$4,500; P. Rouch, 3 attached 2-storey brick dwellings, Denison avenue, \$10,000; Arthur Bell, 2-storey brick dwelling, Howard Park avenue, \$2,500; Thos. Elsworthy, pair 2-storey semi-detached brick veneered front and rough cast dwellings, Armstrong avenue, \$3,000; Wm. Coon, 2-storey frame store and dwelling, Herbert avenue, \$3,000; Jno. Mugford, 2½-storey brick veneered front and rough cast dwellings, Horne street, \$2,000; Symons & Rae, 2-storey brick biscuit factory, Ontario street, \$10,000; Geo. S. Britnell, addition to factory, Queen street, \$12,000; Canadian Ornamental Iron Co., 1-storey brick factory, River street, \$5,000.—Tenders are invited by H. F. McNaughton, Secretary Public Works up to September 10th for the erection of registry offices at Port Arthur and Sault Ste. Marie. Plans at registry offices in Port Arthur and Sault Ste. Marie and at the Department.—George H. Gooderham has purchased property on Toronto street on which he will erect a five-storey motor garage.

CONTRACTS AWARDED.

BRANDON, MAN.—L. La Chance, of Ottawa, has secured the contract for erecting the new armouries at \$52,700.

PETERBORO, ONT.—The Knox church authorities have given the tender for the new gallery to McIntyre Bros., of this town.

FLORENCEVILLE, N.B.—15 horse power engine for Wheeler's new grist mill: McFarley, Thompson & Anderson, Fredericton.

PETERBORO, ONT.—Brown & Aylmer of this city have secured the contract for building section 5 of the Trent Canal, at \$600,000.

BANK HEAD, ALTA.—The coal company have awarded a contract for the erection of 25 workmen's cottages to W. S. Spofford, of Calgary.

GIBSON, N.B.—The Chief Commissioner of Public Works has awarded the contract for rebuilding the Cole Island bridge to R. A. Logan.

OTTAWA, ONT.—The Collegiate Institute Board have awarded contract for extensions to their building to Taylor, Lackey & Crain. The price is in the neighborhood of \$225,000.

GREENWOOD, B. C.—The B. C. Copper Co. have just purchased a 100 h.p. variable speed Bullock motor, to drive their Mother Lode crusher, from the Allis-Chalmers-Bullock Co.

WAWAESA, MAN.—The Northern Construction Co., of Winnipeg, have secured the contract for the sub-structure to be built over the Souris river at this place, and the Algoma Steel Bridge Co. the contract for the superstructure.

WINNIPEG, MAN.—Extension to Drewry bottling plant: Brick work, Contractor Horner; excavation, Dodson & Jackson.—The City authorities have awarded an important contract to McAvity & Son, of St. John, N.B., for the supply of 2,000 6-inch valves at \$13.50 and 25 8-inch valves at \$20 each.

HALIFAX, N.S.—The following contracts have been awarded: For 2,000 half-inch trident meters, the Neptune Meter Co., of New York, at \$13.26 each; 100 three-quarter-inch trident meters, the same company, at \$19.89 each; and for 900 half-inch Lambert meters, H. B. Clark & Son, this city, at \$11.20 each with connections.

TORONTO, ONT.—The following contracts have been awarded by the Board of Control: Asphalt pavements, Godson Contracting Co., Portland street, King to Queen, \$4,389; Gould street, Victoria to Mutual, \$4,879; Halton street, Dundas to Shaw, \$2,738; Delaware avenue, Shanly to Hallam, \$5,388; Admiral road, Bernard to St. George, asphalt, Barber Contracting Co., \$4,834. Brick pavements to City Engineer, Davies avenue, Queen to Matilda, \$3,918; Burnfield avenue, Shaw to Ossington, \$3,068. Bitulithic pavement, Castle Frank avenue and crescent, Warren Paving Co., \$10,017.

FIRES.

Mill and elevator at Russell, Man., loss \$25,000.—Buildings of Ann street school, loss \$10,000.—Buildings of R. C. McFarlane, Niagara Falls, Ont., loss \$5,000.—Buildings of W. H. Charlton, M. T. Cavanaugh, and others, St. John, N. B., loss \$5,000.—Buildings of Norris J. McCaw, E. L. Mattick, C. W. Speers, A. Douglas and others, Griswold, Man., loss \$25,000.—Rotary mill of the Gould Northrup Co., Washerville, N.S., loss \$4,000.—Fennell's store and several other buildings destroyed at Trenton, Ont.

ENGLISH CONTRACTORS COMING.

As as result of an article recently written by City Engineer Rust, of Toronto, for The Surveyor, an English engineering journal, upwards of 100 applications for information about paving contracting have been received from all parts of England. The writer of one letter stated that he had a capital of \$500,000. Mr. Rust has sent the required information with invitations to come and start contracting in Toronto.

TRAMWAY SUPPLIES.

Contractors are requested to note that the date for the reception of tenders for tramway supplies for the City of Winnipeg power plant is Thursday, September 5th instead of October 1st as given in the advertisement last week.

DAWN OF THE AGE OF CEMENT.

While neither iron nor steel is going out of use, yet it is certain that the world is now verging into an age of cement, which is to be the chief constructive material of the future. When a single mammoth skyscraper contains enough concrete work to pave Broadway from curb to curb, a foot deep for a length of over two miles; when the anchorages and approaches of the new Manhattan bridge require 65,000 tons of Portland cement to make the concrete; when one manufacturer of cement advertises an output of 30,000 barrels a day—when such conditions surround us, it is time to pause and consider what there is about cement-made concrete that has brought it into such general demand within a few years.

Because wood, which has been growing scarce, has increased in price, and because the world has learned that concrete made with cement is the best and cheapest building material. Concrete is an artificial stone made of sand and broken rock, bound together with cement. Almost any sort of sand and stone will do, and, when properly mixed with water and about a sixth to an eighth part of cement, the whole hardens into a solid mass of great strength, and this strength actually increases with age and exposure to weather. Instead of deteriorating under water, cement grows harder, and its resistance to fire is superior to any other known cheap material.—Moody's Magazine.

NOTES.

It is reported that a big English crucible company have been investigating the graphite fields in northern Quebec, which cover an immense area.

At the recent congress of the Architects' Association, held in Montreal, it was decided to apply to the Government for an act of incorporation. This would make the architectural profession a closed one, and would render it necessary for everybody to be properly certified before engaging in the profession.

PERSONAL.

Ernest A. Stone, Assistant Structural Engineer for the Canada Foundry Co., has been offered the Chair of Civil Engineers in Dalhousie University, Halifax, N.S.