

plumbing, O. Pickard & Sons; roofing, Mr. Paradis; painting, Joseph Gauthier.

KINGSTON, ONT.—Brick house for the Everett homestead, Collins Bay; Watt & Langdon, mason work, brick-laying and galvanized iron; R. Gaw, carpenter and joiner's work; Thomas Orrell, painting and glazing. Arthur Ellis is architect.

ASHBURNHAM, ONT.—The contract for the iron work of the hydraulic lift lock has been awarded to the Dominion Bridge Co., of Montreal. This is one of the largest contracts, in a single structure in iron work, that has ever been let in Canada.

VANCOUVER, B. C.—The C. P. R. are announced to have let the contract for the building of a railway from Robson to Midway, a distance of 100 miles. It is said that Messrs. McKenzie & Mann, Foley Bros., and Peter Larson are interested in the contract.

WINNIPEG, MAN.—The contract for grading, bridging and ironwork on the Northern Pacific Railway extension from Belmont to Hartney has been awarded to J. D. McArthur, of this city.—Plaxton & Co., this city, have secured the contract for installing heating plant in the Morden Land Titles office.

SHERBROOKE, QUE.—Jos. B. Verret, architect, has awarded the contract for the construction of the St. Charles Barronée Seminary to Andre Bonin and Paquet & Godbout, of St. Hyacinthe; price, \$81,000. M. Fitzgerald, this town, has received the contract to supply the city of Quebec with 200 carloads of granite paving blocks.

PORI COLBORNE, ONT.—The following are the lowest tenders received for the construction of a system of waterworks: Cast iron pipes, hydrants, valves, etc., St. Lawrence Foundry Co., Toronto, \$7,255.50; complete system, Hill & Gowanlock, \$16,899; pumping station, W. B. Wilson, Buffalo, \$5,000; stand-pipe, Walsh Boiler Works, Springfield, Mass., \$995.

ST. THOMAS, ONT.—Artificial stone walks: Silica Barytic Stone Co., of Ingersoll, contractors, 12 cts. per foot.—Changes have been made in the plans of the proposed city hall and new tenders accepted as follows: Ponsford Bros., mason work, \$12,261; J. M. Green & Co., carpenter work, \$9,729; John Riddals, slating, \$950; Fred Doggett, stone work, \$6,554; estimate of cost of other trades, \$5,224.

DAWN MILLS, ONT.—Tenders for iron bridge were opened by Camden township council as follows: Masonry piers—J. E. Hays, Peterboro', \$18 per cu. yd.; Stanton & Co., Chatham, \$18.80 per cu. yd.; C. A. Moore and Wm. Vance, Thamesville, \$12.50 per cu. yd. Iron work—J. E. Hayes, Peterboro', \$1,800; Boston Bridge Co., \$2,012; Stratford Bridge Co., \$1,686; Hunter Bros., Kincardine, \$1,502; Hamilton Bridge Co., \$1,617. The tenders of C. A. Moore and Hamilton Bridge Company have been accepted.

LONDONDERY, N. S.—The Londonderry Iron Co., Limited (C. A. Meissner, general manager), have contracted for about 1,000 tons of the 12-inch and 24-inch cast iron water pipe, the contract for which the National Foundry & Pipe Co., of Scottdale, Pa., obtained from the city of St. John. The balance of the order will be filled from Scottdale. The above company has also received the contract for all extensions of pipe, including specials and fittings, for the town of Truro.

TORONTO, ONT.—Bond & Smith, architects, are superintending the erection of a generating house on Parliament street for the Consumers' Gas Company. John E. Webb is general contractor, the steel frame being supplied by the Dominion Bridge Company.—Tenders for alterations to a residence in Rosedale, from plans by Bond & Smith, have been accepted as follows: Plumbing, J. T. Aggett; heating, Toronto Furnace Co.; other trades, Wm. Prouse.—S. G. Curry, architect, 91 Yonge

street, has accepted the following tenders for alterations, chiefly in connection with new heating and plumbing, to Collegiate Institute buildings. Jarvis street—Masonry, Hill & Bailey; carpentry, Crone & Son; plumbing, W. Mashinter & Co.; plastering, Thos. Gander & Son; painting and glazing, Jas. Casey. Jamieson avenue—Masonry, Henry Lucas; carpentry, Thos. Phillips; plumbing, Bennett & Wright Co.; plastering, J. Petrie & Co.; painting and glazing, Jas. Casey. A committee of the Public School Board accepted the following tenders on Monday last: Enlargement of Gladstone avenue school by the addition of two rooms—masonry, J. C. Bayliss, \$900; carpentering, George Henry, \$3,984; plumbing, James Sherlock, \$120; painting, Faircloth & Co., \$593; plastering, Petrie & Co., \$398; roofing, W. D. Hutson & Son, \$58; metal ceilings, Douglas Bros., \$290; heating and ventilating, J. F. Pease Furnace Co., \$725; total \$7,547. Building two new rooms in Grace street school—masonry, Wickett Bros., \$554, carpentering, Geo. Henry, \$2,300; plumbing, Keith & Fitzsimmons, \$159; painting, Taylor & Co., \$335; plastering, Petrie & Co., \$259; roofing, W. D. Hutson & Son, \$35; metal ceilings, Douglas Bros., \$220; heating and ventilating, J. F. Pease Furnace Co., \$445; total, \$4,448. Alterations in Parkdale school—masonry, R. Clayton, \$860; carpentering, T. Crachley, \$890.—C. J. Gibson, architect, has let the following contracts: Factory on Esplanade—masonry, Davidge & Lunn; carpentry, Davidson & Co. House in Parkdale—masonry, Alfred Nurse; carpentry, T. A. Ouder Kirk. Two houses in Parkdale—masonry, Dunkley Bros.; carpentry, T. A. Ouder Kirk. House on South Drive—masonry, W. J. Chick; carpentry, Thos. Wooster. Cottage at Island—L. C. Shepard, general contractor.—J. W. Siddall, architect, has accepted the following tenders for a three-story brick factory for the Otto Higel Co., corner Mowat ave. and King street: Masonry, W. D. Scott & Co.; carpentry, Walter Nash; plumbing and tinsmithing, Jos. Hedges; other trades not let.

BIDS.

ALMONTE, ONT.—The contract for heating Martin St. school will likely be awarded at next meeting of Board of Education.

T. THOMAS, ONT.—The following tenders were received for the purchase of \$36,000 of debentures, with which to erect two schools: R. Wilson Smith, Montreal, 94.25 per cent., \$33,030; Aemilius Jarvis & Co., Toronto, 94.612 per cent., \$35,060.42; H. O'Hara, Toronto, 94.861 per cent., \$34,051.

THE PROPER CARE OF WATERSHEDS.

(Concluded)

The proper care of the watershed is as necessary as it is unusual. Such care should extend even to protecting the ground water for a considerable distance before it enters the feeding brooks of a district. The larger cities of our country construct aqueducts, conveying the water from collecting to distributing point, under circumstances usually precluding the introduction of sewage material. Such handling is not universal—open channels are quite commonly seen; and care is not always taken to prevent pollution during the water's flow.

The cholera epidemic at Messina, Sicily, in 1887, lasted from September 10

to October 25, totaling 5,000 cases and 2,200 deaths. The government instituted an examination of the water supply. It left the mountain gathering grounds of excellent quality, but was conveyed to the city in an open conduit, and, favoring the Messina washerwomen, who wash outdoors, a portion of the public water was deflected before reaching the walls and taken into neighboring washpools. A very fair proportion, after having cleansed the soiled linen of the inhabitants, found its way back again into the conduit, and continued its course to the city. Further contamination occurred in the city, the mains being of unglazed tiles, very leaky, with the sewers running frequently atop of the water mains. The government sent tank ships to the mains, filled them with pure water, the people drank thereof, and cholera cases fell immediately from seventy to five. An entirely new and efficient distributive system has since been introduced, and the city has escaped further cholera visitations.

It is the common American practice to deliver water raw to the consumer. Even when its purity is unquestioned, such is not the European custom; public sentiment practically demands that surface waters should receive sufficient purification before distribution for domestic uses. In Germany this matter is regulated by statutory law. Filters are established to filter waters equal in natural purity to the best supplies America can show. Americans at Albany, Pittsburgh or Chicago scrutinize the water offered them in foreign capitals, when what they are habituated to drink at home would not be tolerated in the great cities of Europe. The day is past when we can feel a sense of superiority over the Old World because of the magnitude and consequent initial superiority of our sources of water supply. Europe has lately expended much to better her water supplies, while we have forgotten that our populations and industries have been growing, and that the rivers our fathers drank from with safety have become charged with the refuse of upstream communities. To abandon an existing water supply system, or to purify a polluted water, always involved the outlay of much money, and the taxpayer has the right to inquire whether the cash is fairly expended. No better measure can be furnished of the wholesomeness of a water supply than the actual list of typhoid fever cases in the community supplied.

A WOOD PRESERVATIVE.

MONTREAL, June 9th, 1898.

Editor CANADIAN CONTRACT RECORD:

DEAR SIR.—We notice in your last issue a remark on the life of wood block pavements. This rapid decay can easily be prevented at a nominal cost, as you will see by a circular we send you describing "Iodolite"—its use and effects. It has been used in England for many years. The timber can be soaked before or after cutting the block, and makes the wood impervious to damp, frost or dry rot, and prevents bulging. Can be sold in most parts of Canada at about 75 cents a gallon, covering about 40 square yards, say 2 cents a square yard. You would have none of the troubles you mention with a pavement dressed with this material. Sidewalk timber should also be treated; it would be an immense saving.

Yours faithfully,

APPLEBY & Co.

BELLHOUSE, DILLON & CO., 3rd St. Francois Xavier St., Montreal

Sole Agents for the Compagnie Generale des Asphaltes de Franco (Rock Asphalt).

PORTLAND CEMENT NORTH'S CONDOR

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