

WATER WASHED SAND FOR HIGH GRADE WORK.

The Sand and Dredging Co., of Toronto, have had in operation the past season a steam barge with a sand-dredging apparatus, with a daily capacity of 80 yards of water washed sand, suitable for the best quality of concrete, mason work, brickwork, or plastering. This sand is not lake shore sand which has been rolled along the beach for years until each grain is worn round, but it is taken from deep water, and is sharper and more angular than the best bank sand and absolutely free from any trace of loam, which is a drawback to almost all the bank sands around Toronto. Examples of the class of work which has been done with water washed sand are seen in the new Dairy Building, the foundation and cement blocks in the Art Gallery Building at the Exhibition grounds, and Spadina avenue pavement foundation, from Queen street to College street. The city engineer says he never saw a better piece of concrete laid in Toronto than the latter. Appended will be found a report of tests which show the advantage of water washed sand.

REPORT OF COMPARATIVE TESTS OF DIFFERENT SANDS FOR CONCRETING PURPOSES.

All tests made with German Hercules cement. All briquettes made with same percentage of water in the mixtures. All mixtures 3 parts sand to 1 part cement. Results are tensile strength in pounds per square inch :

	Standard Quartz. Ft Sand.	Coarse Water Washed Sand.
24 hour test . . .	64 lbs.	51 lbs.
7 day test . . .	177 lbs.	157 lbs.
28 day test . . .	275 lbs.	212 lbs.
Specific gravity	2.62	2.67

(Sgd.) Chas. W. Dill,
Assistant Engineer.

December 29th, 1902.

It will be noted that in 7 days the water washed sand showed an additional strength for same cement of 36 per cent., and in 28 days 41 per cent.

The Builders' Supply Company has been incorporated with a capital of \$100,000. S. Loynahan and Thos. F. Sullivan, of Montreal, are interested.

BUSINESS NOTES.

Rochon & Bosquet, masons, Montreal, have dissolved.

The dissolution is announced of Parnell & Ball, plumbers, St. Catharines, Ont.

R. E. Speakman, C. E., of Toronto, has been appointed city engineer of St. Catharines, Ont., at a salary of \$1,500 per year.

The new plant of the Ontario Asphalt Block Company at Windsor, Ont., commenced operations on August 12th. The plant will have a capacity of 50,000 blocks per day.

The George A. Fuller Construction Company, of New York, is announced to have decided to enter the Canadian field, having already secured the contract for an eleven-story building in Winnipeg for the Union Bank.

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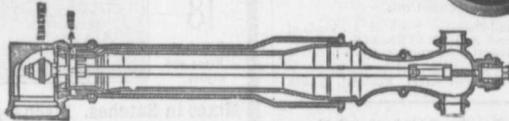
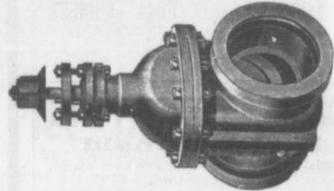
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