

**WASHED PORTLAND CEMENT.**

Cement can be washed provided it is extremely slow setting, say one hour to one and one-half hour. Such a washed cement will prevent efflorescence in the work in which it is used. Cement so treated will only attain one-half of the strength of an unwashed cement. Experiments conducted in the laboratory of the Tonindustrie Zeitung gave the following results: Neat cement briquettes, 24 hours, 16 pounds per sq. centimeter; washed cement; 8 pounds per sq. centimeter. Washed cement therefore loses one-half of its strength compared to the unwashed cement. The same ratio obtains as the cement test pieces become older and stronger. The washed cement being 100 per cent. stronger than the unwashed cement, therefore efflorescence can only be overcome by sacrificing the strength of the cement.

**NEW COMPANIES.**

Toronto-Cobalt Mining Company, Limited, Toronto, incorporated, capital \$300,000. Directors, H. B. Wills, of Toronto, J. S. Humberstone, of Township of York, and Whitford Vandusen, of Toronto Junction.

Stephenson Belting Company, Limited, Toronto, incorporated, capital \$40,000, to manufacture belting, etc. Directors, John E. Stephenson, William Gillespie, and others.

Rhodes Metallic Packing Company, Limited, Toronto, incorporated, capital \$40,000, to manufacture metallic packing. Directors, J. M. Rhodes, J. S. Dawson and Robert L. McAfee.

Imperial Electric Motor Company, Limited, Toronto, incorporated, capital \$200,000. Directors, Andrew Dods, Robert McKay, and others.

Uxbridge Piano & Organ Company, Limited, Uxbridge, Ont., incorporated, capital \$30,000. Directors, C. W. Small, George McGuire, and others.

Economical Manufacturing & Supply Company, Limited, Toronto, incorporated, capital \$40,000, to manufacture engineers' and steam users' supplies, etc. Directors, H. L. Brown, W. J. Boland, Samuel Beham, T. J. Walsh and W. H. Crow.

McGill Chair Company, Limited, Cornwall, Ont., incorporated, capital \$100,000, to manufacture chairs, etc. Directors, Thomas McGill, P. E. Campbell and R. J. Pitts.

Fred Armstrong Company, Limited, Toronto, incorporated, capital \$40,000, to acquire the plumbing and heating business carried on by Fred Armstrong. Directors, Fred Armstrong, William Armstrong, and J. R. Bailey.

Jamaica Light & Power Company, Limited, Montreal, incorporated, capital \$250,000, to carry on the business of a light, heat and power company. Promoters, W. G. Brown, C. J. Flett and James Hutchinson, of Montreal; Henry Holgate, consulting engineer, Westmount, Que., and others.

Bodt's Gum Company, Limited, Montreal, incorporated, capital \$125,000, to manufacture chewing gum, etc. Promoters, R. T. Heneker, J. J. Robson and others.

International Amusement Construction Company, Limited, Montreal, incorporated, capital \$250,000, to manufacture various structures and devices for amusement purposes. Promoters, J. A. Gordon, F. X. St. Charles, R. A. E. Greenshields and others.

Carleton Apartment House, Limited, Montreal, incorporated, capital \$50,000. Promoters, Alexander Mackay, H. M. Marler and others.

Winnipeg Quarry Company, Limited, Winnipeg, Man., incorporated, capital \$50,000. Promoters, Charles O'Towle, Peter M. Thomson and others.

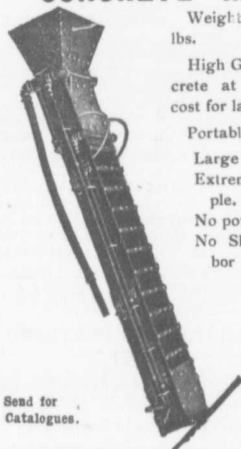
**TESTS AT CEMENT WORKS.**

Tests were recently made at the works of the Sydney Cement Company, under the supervision of C. J. Curtin, the contractor, and cement experts of w rk. Among the prominent gentlemen present were Hon. G. H. Murray, President Plummer of the Dominion Iron & Steel Company, President Mayhew of the Cape Breton Coal, Iron & Railway Company, and a number of contractors, all of whom followed the various processes with deep interest. Mr. Plummer was especially interested and expressed himself as being thoroughly satisfied with the result of the test, the complete condition in which he found the plant, and the general details of its operation.

The quality of cement produced, as shown by this test, was highly satisfactory and exceeds in every respect the official specification of the government. The machinery producing it is most complete, and the plant contains all the most recent improvements, so that the Sydney industry is the most modern on the continent, if not in the world. This is due to close application on the part of Mr. C. J. Curtin, who has been devoting himself to the study of the manufacture of slag cement and the erection of slag cement plants for the past seventeen years. Mr. Curtin states that upon careful investigation and analysis he has found the slag used by the Sydney industry superior to any in the United States for the manufacture of cement.

J. P. Leroux, sash and door factory, Sorel, Que., has assigned.

The municipality of Red Deer, Alberta, is making a change in the waterworks intake and is putting in a filtration basin, at an estimated cost of \$2,500. The water is drawn from the Red Deer river and forced into the mains by a steam pump at a pressure of 35 lbs. for domestic purposes and 125 lbs. for fire. The metal pipe used was supplied by the Gatsore Thompson Company, Hamilton, and the wooden stave pipe by the Pacific Coast Pipe Company, Vancouver. The proposition for this year's deliberations is to extend the waterworks system about two miles, thus giving a circulating system throughout the whole municipality. Red Deer has spent \$5,000 on local improvements during the past year, \$4,000 being on permanent streets and the balance on wooden sidewalks. The assessment of the town for the current year is practically \$1,000,000, the population being now about 2,000, a growth of 500 this year. The C. P. R. are putting in permanent improvements, including a new roundhouse, it being their intention to make Red Deer a divisional point on the C. & E. Railway.

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