

THE MATERIAL.

Having satisfied all but our competitors, who see in this later product, a rival which they have just cause to fear, attention is now called to the materials.

Riding in our motor boat across one of the most beautiful lakes in the Dominion, looking down into its clear blue waters, one is convinced of its depth without further experiment. But when the line is dropped and a depth of 20 feet is indicated in many places, and 12 feet in depth is shown within 20 feet of our shore, one realizes at once that with such a valuable supply of fresh water as can be obtained in our lake, about 21 miles in circumference, our water supply is really a great asset within itself. No streams running dry around our place of business, no costly artesian wells are needed and there is no lack of the purest of water for domestic purposes.

The chief commodity in the manufacture of brick is sand.

Silica in abundance is the greatest factor and, therefore, while brick of poor quality can be made from silica, mixed with soil, clay and other refuse, a good, sharp, clean, fine sand is idealistic for a splendid smooth face brick. The following analysis shows the quality of our material.

Sand

Silica	72.76
Oxide of Iron	1.70
Alumina	10.96
Magnesia	1.20
Manganese	Trace
Lime	7.87
Potash & Soda	1.03
Carbon Dioxide & Water.....	4.48
	100.00

As regards quantity, the Government concession to us is three and one-half miles in length with an area of 502 acres, while the private property owned by the company by purchase and op on contains a table land about three quarters of a mile in width and over one mile in length, with an average height of probably 40 feet. We are informed that outside the large deposits of Japan, ours are the largest sand hills in the world.

Our estimates are based upon the purchase of our lime, because lime, to be available, must contain a large percentage of calcium and not over 2½% magnesia. The following formula, however,