

NATURAL CEMENT TESTS.

Tests of Cements made by the Government during progress of work at Kingston Graving Dock, 1891.
by Louis Coste, Acting Chief Engineer, Ottawa.

		Time in Water.	Thorold Cement.	Queenston Cement.	Napanee Cement.	
Thorold was the Only Canadian Natural Cement used in this Work.	Test with 1 per cent salt in water for tensile strain.	30 days 60 days 90 days	177.10 270.40 297.50	189.90 240.10 248.80	101.40 187. 193.10	2,000 Barrels Thorold Cement used in Kingston Graving Dock.
	Test with 8 per cent salt in water for tensile strain.	30 days 60 days 90 days	189.60 201.60 243.60	172.40 183.10 224.40	110.80 115.50 130.00	
	Test with 2 per cent salt in water for tensile strain.	30 days 60 days 90 days	306.90 203.50 217.10	190.20 183.50 230.80	126.80 138. 152.40	
	Test with 12 per cent salt in water for tensile strain.	30 days 60 days 90 days	323.10 331.70 344.30	164.40 175.80 189.30	197.00 207.50 218.50	

ESTATE JOHN BATTLE

Manufacturers of

Thorold Cement

THOROLD, - - - - - ONTARIO.

: STAR :

Portland Cement

Our Own Manufacture

and Unexcelled.

WRITE US FOR

PRICES, TESTS AND SAMPLES

The Rathbun Co.

DESERONTO, ONT.

PORTLAND CEMENTS

Drain Pipes,
Calcined Plaster,
Mortar Colors,
Fire Bricks,
Fire Clay,
Enamelled Sinks,
Wheelbarrows,
Stable Bricks,
Red and Olive
Building Stones,
Etc., Etc.

W. McNALLY & CO.

MONTREAL

THE
WELLINGTON MILLS
LONDON, ENG.

Genuine Emery

OAKLEY'S Flexible Twilled Emery Cloth.
OAKLEY'S Flint Paper and Glass Paper.
OAKLEY'S Emery Paper, Black Lead, etc.

Prize Medal and Highest Award Philadelphia, 1876.
for Superiority of Quality, Skillful Manufacture
Sharpness, Durability and Uniformity of Grain

Manufacturers: JOHN OAKLEY & SONS, Ltd.
Wellington Mills
Westminster Bridge Road, - London, Eng.

Enquiries should be addressed to
JOHN FORMAN, 18 St. Alexis St.,
MONTREAL

A LONG FELT WANT!

A TYPEWRITER for \$20

Which does the work of a \$100 Machine

A perfect typewriter at a low price has long been a crying necessity.

The ODELL Typewriter

Is a perfect machine in every particular at the remarkable low price of

\$20.00

Head Office for Canada:

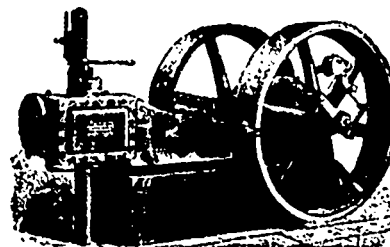
ROOM 36 CANADA LIFE BUILDING

J. W. RUTHERFORD - Manager

SPECIAL ATTENTION

PAID TO

High Grade Power Plants



ROBB-ARMSTRONG AUTOMATIC ENGINES

Interchangeable Parts

Perfect Alignment

Large Bearings

ROBB ENGINEERING CO. (Limited)

AMHERST, NOVA SCOTIA

QUEENSTON CEMENT STANDS AT THE HEAD OF ALL CANADIAN NATURAL CEMENTS

Tests of Cements made by the Government during progress of work at Kingston Graving Dock, 1892, by Louis Coste, Acting Chief Engineer, Ottawa.

	Time in Water.	C.B. Wright & Sons, Portland	English Portland Anchor Brand	German Portland Lion Brand	Synapse Portland	Montreal Portland	Queenston Cement	Thorold Cement	Quebec Cement	Napanee Cement
Average tensile strength of 25 to 50 lb briquettes each, 1 in. square, made of neat cement consistency of mortar.	7 days 3 mths 6 "	371.01 524.70 519.12	319.01 415.96 519.20	192.96 212.32 350.81	357.12 523.11 551.81	290.52 147.00 418.20	83.72 190.50 349.56	51.20 130.28 257.88	43.60 111.72 211.00	21.52 55.32 134.21
	9 "	634.52 626.16 626.16	626.29 616.75 616.75	391.76 620.26 620.26	580.72 690.20 690.20	530.20 406.88 406.88	308.24 466.88 466.88	325.40 353.96 353.96	311.80 370.20 370.20	178.68 199.76 199.76
	12 "	684.76 684.76	618.00 618.00	not given	611.00 615.96	423.28	747.90	383.02	221.00	
Average tensile strength of 25 to 50 lb briquettes of each Cement, 1 in. sq., neat Cement rammed in mould.	7 days 3 mths 6 "	376.12 421.22 537.94	167.70 512.30 514.30	304.80 375.10 120.00	431.72 532.10 688.20	313.32 123.88 510.21	106.18 271.08 417.59	206.92 131.02 311.76	172.02 161.16 281.92	63.92 60.77 153.05
	9 "	611.74 637.24 619.24	623.10 601.12 628.10	427.00 408.20 416.12	636.81 648.52 610.56	512.88 516.06 236.12	472.10 484.84 508.86	330.96 389.98 426.32	400.32 380.32 390.03	236.82 264.00 278.00

FOR PRICES, TERMS, ETC., ADDRESS

ISAAC USHER & SON

THOROLD, ONT.