Corrosion Test.—No change in color, but a little loss of weight.

Microscopic Test.—Quartz grains sharply angular and of variable size. The largest exceed ½ mm. Feldspar grains in an advanced stage of decomposition are as numerous as quartz grains. Some glistening mica.

Cement is ferruginous clayey material and a slight amount of carbonate of lime.

Specific gravity	2.711
Weight per cubic ft., lbs.	145.743
Pore Space, per cent.	13.882
Ration of Absorption, per cent.	5.946
Coefficient of Saturation, 1 hour	.47
Coefficient of Saturation, 2 hours	.58
Coefficient of Saturation, 38 hours	.66
Crushing Strength, lbs. per sq. in	11899.
Crushing Strength, lbs. per sq. in., wet	6083.
Crushing Strength, lbs., per sq. in., wet and frozen	3856.
Loss on Corrosion Test, grams, per sq. in	.00213
Transverse Strength, lbs., per sq. in	*1016.
Chiselling Factor	5.2
Drilling Factor	15.5
Boring Factor	148.
Factor of Toughness	7.
Ferrous Oxide, per cent	1.93
Ferric Oxide, per cent	4.28

*Probably too low.

NOVA SCOTIA SANDSTONE

With respect to the Amherst, Wallace, and Pictou Sandstones, we desire to state that, with the exception of the chemical analysis, we have little of statistical matter to present for your consideration, owing to the incomplete state of our enquiries. But we anticipate making a further addition at no distant date, when we hope to be in possession of the official report of Professor Parkes, the Government analyst, on the Sandstones of the Maritime Provinces.

We may state that the Museum in Ottawa is constructed of Wallace stone, and that the characteristics of the above-named stones are similar to those before mentioned, i.e., when newly