

LIMESTONES.—Inexhaustible in amount the Limestones present great variety of structure and quality. Some are exhibited which furnish most excellent lime for building purposes; others, being somewhat phosphatic, afford good manure-lime; others are reported to be hydraulic; while some certainly make good cements. In a country abounding in freestone and granite little use has been made of limestone as a building stone, but there are beds of rock suitable for this purpose of which use is made in railway constructions.

MOULDING SANDS.—Specimens of these are shown illustrating the nature of deposits from which material has been employed in the Province and in the United States, chiefly in brass-casting. One of these sands was exported last year to the latter country to the extent of 250 tons to be used in moulding brass tubes. Another of these sands has been employed in the manufacture of scouring-bricks.

CLAYS.—Immense deposits of very fine qualities of Clays are found, a few specimens only are shewn. These Clays are largely employed in making pottery, firebricks, and both common and pressed bricks, which latter have been highly esteemed abroad.

OVEN STONE.—Dressed specimens show the nature of a sandstone, existing in vast quantity, which is applied after simple hewing with an axe, in the construction of ovens which are found to withstand the action of fire for many years.

FIRESTONE.—A specimen dressed to shape, exhibits the appearance of a coarse grained rock employed in building fireplaces which are found to be very durable.

GRANITES.—Of these, a small number are shewn dressed in various ways on different sides to exhibit their fitness for particular styles of work. The quantity of these rocks is inexhaustible and large use is made of them in building houses, wharves, and fortifications.

FREESTONES.—Various qualities of these are exhibited. Some are very superior and suited for the finest kinds of work. These stones are very much used in the Province, and have been largely exported to the United States.

GRINDSTONES.—Sandstones particularly adapted for the making of Grindstones, are very abundant in some districts which have become famous for this manufacture. The number of Grindstones made in the Province in 1860 was 46,496.

PENCIL STONE.—A specimen of ~~compact pyrophyllite~~ which is found in a bed extending through a considerable tract of country; most excellent Pencils for writing on slates are made from this material which I found, on analysis made in connection with the Provincial Geological Survey, to contain:—

	Silica..... <i>retaining a little Alumina</i>	60.53
	Alumina.....	23.01
tot	Peroxide of Iron.....	5.80 30
	Potash, and traces of Soda.....	3.80 4.39
	Magnesia.....	1.42
	Water.....	5.35

100.00
