

ANALYSIS OF A SAMPLE OF
"MALM ROCK."

FROM A LANE BETWEEN ALTON AND SELBORNE.

PROF. F. DE CHAUMONT, M.D., F.R.S., &c., PRESIDENT.

Gross Weight	...	...	2.226 Grammes
			(or 34.35 Grains)
Specific Gravity	...	...	2.294 (Water being 1.000)
Porosity	...	...	13.522 per cent.

TABULAR ANALYSIS.

Water	...	...	5.573 per cent.
Lime (CaO)	...	...	40.114 do.
Carbonic Acid (CO ₂)	...	...	19.073 do.
Organic Matter & Volatile			
do.	...	...	1.527 do.
Silica (SiO ₂)	...	...	33.107 do.
Iron (as Fe ₂ O ₃)	...	...	0.606 do.

Total 100.000

Also marked traces of Magnesia.

Probable constitution of a sample absolutely dry, or water-free ;

Calcium Carbonate	...	...	45.906 per cent.
Calcium Silicate	...	...	41.934 do.
Ferric Silicate	...	...	1.077 do.
Silica (uncombined)	...	...	9.466 do.
Organic and volatile matter	...	...	1.617 do.

Total 100.000

The black deposit was organic, consisting of green Algae and Confervae. Numerous Zoospores were also seen, as well as small Paramecia.