

lower per centage than this, would not, it is said, be merchantable."

As to the Assay of Phosphate from an adjoining lot, it is stated :—"What was regarded as an average specimen from one of the beds on the fourth lot gave by analysis, Phosphate of Lime 91.20, fluorid of calcium 7.60, chlorid of Calcium 0.78, insoluble 0.90 ; 100.48. This mineral Phosphate contains only traces of oxyd of iron ; and from its purity it might perhaps be used instead of bone ash on the manufacture of English porcelain."

Mr. Robb, a man of practical experience in Canada, of professional ability and of reliability, states in his Essay on the Mineral Resources of British North America :—

"MINERAL MANURES—PHOSPHATE OF LIME—GYPSUM
—SHELL MARL.

"Apatite or Phosphate of Lime.—This mineral, the constituent elements of which form the base of animal bones, is found in great abundance in the Laurentian rocks of Canada ; and although not hitherto brought into very general use as an artificial manure, is plentifully distributed by the hand of nature from the debris of the rocks among the soils, contributing no doubt very materially to their fertility and value. Its occurrence in rocks of such primitive geological age, points to the existence of animal life at a period