

How frequently should Marl be applied.....	84
The quantity per acre.....	84
By whom and when first used in Maryland.....	84
Good effects of the use of Marl on the Eastern Shore.....	84
Little used on the Western Shore.....	85
Cost of digging and freight on Marl.....	85
Marl and lime compared.....	86
Fresh water marl in Washington county.....	88

## CHAPTER

## GUANO.

When first used in Maryland.....	89
Different kinds of guano.....	89
Analysis by Dr. Piggott as follows :.....	90
Brown Mexican.....	91
Patagonian.....	92
Soldanha.....	92
Jarvis Island.....	93
White Mexican.....	93
Colombian.....	94
Sombrero.....	96
( “ analyzed by Prof. Morfit).....	96
Nevassa.....	97
Testigoes.....	97
El Monita.....	98
Peruvian, ammonia contained in California.....	99
(Peruvian, by Prof. Johnson).....	100
CALIFORNIA GUANO (Elide Island).....	101
SOMBRERO DO.....	100
Adulteration of Guanos.....	101 102

## CHAPTER XI.

## BONES.

BONES FIRST USED AS A MANURE IN GERMANY.....	103
First use of in Maryland.....	103
Lasting effect of bones.....	104
Composition of.....	104—105
Effect of boiling.....	105
Value of their constituents.....	105
Modes of preparing.....	106
Use of dry ground bones.....	106
Dissolving in sulphuric acid.....	107
Proportions of acid used.....	107
Cost of dissolved bones.....	108
Precautions to be observed in using the acid.....	109
Putrified or “ fermented ” recommended.....	109