

ought to have used at home. They correctly considered each pound of bones exported, equal to the loss of half a bushel of grain. The urgent need of the British farmer induced him to bid higher for bones, but I believe the greater appreciation of their value in Germany has arrested or checked their export.

The importation of guano and other fertilizers into England, has reached in value the amount of twenty millions of dollars! This large expenditure is absolutely required to maintain a due proportion of phosphates in addition to a small amount contained in their native coprolites.

It is much more advantageous for us in Maryland to use these imported manures, than to cultivate exhausted soils. We should, nevertheless, carefully investigate every material existing within our territory that may tend to render us independent of foreign supplies.

I have considered it my duty to labor in this connection by investigating and bringing into notice all such substances as may be useful in enriching our soil. Many of these which were noticed in the last report will be again reverted to, with the hope of inducing farmers to profit by the use of them.

As I am well aware that the public expect me to aid in developing all our resources, I have made every exertion in my power to do so by bringing them to the notice of those who might profitably use them.

The first report contained a brief account of the geological formations of Maryland, preceded by a description of their constituent minerals and rocks.

This was followed by the fourth chapter, which treated of the disintegration of rocks and the production of soils therefrom.

The fifth and sixth chapters relate to the constituents of plants.

The seventh and eighth consider the subjects of the exhaustion of soils and the means for their improvement.

The succeeding eight chapters are descriptive of every material then known as applicable to the enrichment of the soils of our State.

Following these, I presented a chapter upon the "present state of Agriculture in Maryland, with suggestions for its improvement," and also directions for applying the several varieties of manure in a proper manner.

An appendix was added, containing short notices of our mineral resources. The subject of Artesian Wells (so important to large portions of our State) was also reverted to in the appendix.

In the present report it is proposed to arrange the subjects in a different order. Many of them, it is believed, were fully considered, and there is nothing now to be added to them, whilst others must again be brought into notice for the purpose of adding new facts or views.