

the products of this last deposit are more especially interesting to Natural History than otherwise susceptible of any useful application, it is not thought necessary to give a particular description of them at present. The undersigned, however, feel themselves bound in this place to acknowledge, in the warmest terms of gratitude, the polite attentions which they have received from Major Mason, of the United States Army, the commanding officer on the station.

They have, likewise, to return their thanks to Dr. Brereton, Surgeon, U. S. A. on the same station, for specimens of various kinds of clay obtained from that neighborhood. A partial examination of these clays led to the expectation that they might be advantageously used in the manufacture of pottery ware; and the result obtained by an intelligent manufacturer in Baltimore, to whom they were submitted for further and more practical examination, proves them accordingly to be excellent materials, which are extensively used in a very important branch of our manufacturing industry. Of the three varieties submitted to experiment, one was found to be a very superior article for the manufacture of the better sorts of stone ware, as well as for the ordinary pottery or earthen ware: the other two were of fair quality, and applicable to the making of common pottery.

The clay deposits, in the whole of that portion of Maryland designated as belonging to the tertiary order of geological formations, offer a subject of investigation of the deepest interest to several branches of the manufacturing classes of the state. This formation may be described as extending, so far as this state is concerned, over the whole Eastern Shore of