

for giving a full description, illustrated with a map and sections, useful in an industrial point of view, and interesting to the scientific world. These, however, may be properly postponed for a future occasion, and I propose at this time to limit the descriptions to matters of practical importance.

In the course of the surveys above alluded to, it became necessary to determine not only the number and thickness of the beds of coal and iron ore, and other interstratified materials, but also their dip and extent. In effecting this object, extensive diggings were made in such manner as to expose the edges of nearly all the strata of the whole formation. Lines of levels were run to all these points, which were recorded upon accurate maps on a large scale, and many geological sections constructed. In fact, the geological structure and the topography of the region were fully examined and explained in the unpublished report and map, &c.

All this will be available in making up a full account of the geology and resources of Maryland, whenever it may be the pleasure of State to have such a work executed.

One of the results of those surveys was the construction of a vertical section of more than 1,400 feet, indicating the position and thickness of every bed of coal, iron ore, fire clay, and nearly every rock of the whole formation. As a knowledge of this cannot fail to aid in the development of this important region, I have compiled from the section the following table of these strata. If the whole section were copied it could not be printed with the report, unless it were engraved.

The figures indicate the height above tide of the strata in the axis or lower part of the basin.

The highest bed is 2065 feet above tide-water in its lowest part.

TABLE OF STRATA OF THE POTOMAC AND GEORGES' CREEK COAL BASIN.		Feet.	Inches.
2065	Shale.....	1	6
	Coal ..	2	6
	Shaly Sandstone.....	19	
	Shale.....	23	6
	Coal.....	6	
2000	Limestone, with seams of Shale.....	12	
	Fire Clay.....	13	9
	Unknown.....	3	9
1950	Shale, with a few nodules of } iron ore, (unimportant.).... }	27	3
	Shale.....	27	9