

Mr. Bates of the U. S. Coast and Geodetic Survey to have an exact tracing made of it. This was accordingly done in Mr. Alexander's house and the tracing taken to Washington, where it is now to be seen in the archives of the Chief of Engineers of the U. S. Army.

During the year 1837 the State Geologist completed the survey of Kent, Cecil and Montgomery counties. An account of his investigations was published in the report of that year, accompanied by topographic maps, which were prepared by Mr. Alexander, and upon which the leading matters of geological interest were noted. Map A of this report, including Kent and Cecil counties, is upon the scale of 1:150000, and Map B, including Montgomery county, is upon the scale of 1:120000.

The State Geologist occupied his time during 1838 in a survey of Harford county, and the report for that year contains a statement regarding its mineral resources, together with a general outline of the geology of both Harford and Baltimore counties, with some remarks on their agricultural condition. To this report the State Geologist appended a treatise on lime-burning, as the result of a thorough study of the subject. This article is accompanied by diagrams of limekilns.

During 1839 Mr. Ducatel completed his investigations of Frederick and Carroll counties, and prepared an account of their resources and agricultural condition for his report of the operations of that year. This pamphlet also contains a history of the work of the topographical and geological surveys of the state up to that time, with a most interesting account of the conditions under which the work had been prosecuted.

During 1840 the operations of the State Geologist were confined largely to Washington and Allegany (including Garrett) counties. Chapters are devoted to the physical geography, geology and mineral resources of this portion of the state, and the report is accompanied by a topographic map of the area on the scale of 1:400000, with a "geological profile of the Cumberland and National Roads." Additional plates give a "Sectional profile of the ore beds worked at Lonaconing" and also a "Section near the centre of the Georges