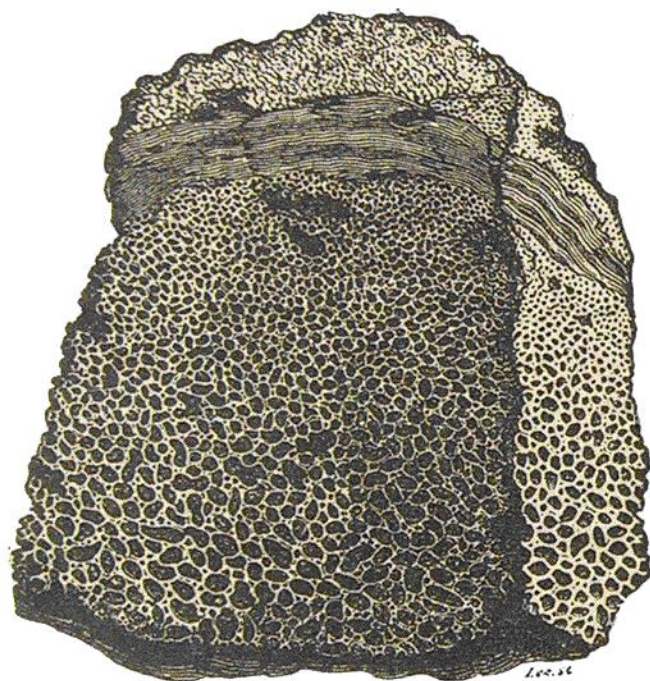


force, generated by the revolving of the bomb, against the external cooled crust, and so produced the solid shell of stone; and, lastly, that the centrifugal force, by relieving the pressure in the more central parts of the bomb, allowed the heated vapors to expand their cells, thus forming the coarsely cellular mass of the centre.

A hill, formed of the older series of volcanic rocks, and which has been incorrectly considered as the crater of a volcano, is remarkable from its broad, slightly hollowed, and



circular summit having been filled up with many successive layers of ashes and fine scoriæ. These saucer-shaped layers crop out on the margin, forming perfect rings of many different colors, giving to the summit a most fantastic appearance; one of these rings is white and broad, and resembles a course round which horses have been exercised; hence the hill has been called the *Dévil's Riding School*. I brought away specimens of one of the tufaceous layers of a pinkish color; and it is a most extraordinary fact that Professor Ehrenberg¹ finds it almost wholly composed of matter which has been

¹ Monats. der Königl. Akad. d. Wiss. zu Berlin. Vom April, 1845.