

sections, from 100 to 120 feet thick, of strata of Slate, highly inclined; and forming one side of an anticlinal axis, the summit of which will be passed over in our route by Woodhouse. In one quarry, at the time of my visit, a series of nearly horizontal strata of red marl was exposed, lying unconformably upon the edges of the highly inclined beds of Slate. The Slate-rocks of Charnwood Forest have a single anticlinal axis, which strikes from N.N.W. to S.S.E.; and the axis of the adjacent coal-field of Nuneaton has a similar direction.\*

IV. WOODHOUSE. *Slate-rocks*.—From Swithland to Woodhouse, is a continuation of the highly inclined Slate strata. The village is romantically situated on the ridge, or crest, of the anticlinal axis of the Cambrian system of Charnwood Forest. On the sides of the road, there are occasional openings where the strata are exposed. There is, in particular, a fine section on the side of the elevated point on which the church and school are built, lying to the left of the road in the approach from Swithland. A day might be well spent in this place, and at Swithland.

V. BARDON HILL. *Sienite*.—We next proceed to Bardon Hill, ascending to the highest ridge of the protruded mass of igneous rock, of which this moun-

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\* Murch. Sil. Syst. p. 569.