

This enumeration of the geological formations of which the country around Matlock is composed, will enable us to proceed on our rambles without further digression; and should the reader be at a loss to comprehend the nature of any of the rocks or strata we may meet with on our way, he can refer to the above description.

Mr. Bakewell, with his wonted penetration, first detected the true character of the stratification of the High Tor, previous writers having described this cliff as being composed of nearly horizontal layers. But this is a deceptive appearance; for although, when viewed in front, or in the direction of their planes, the strata appear to be horizontal, yet they are in reality highly inclined, as may be seen in the line of dip, and enfold or envelope the back of the cliff; and they are continued into the hill (Masson) on the opposite side of the valley, where they present a similar arrangement. The continuity of the strata is broken by the vale of the Derwent, which has evidently originated in a fissure extending along the axis of elevation, in a direction from north to south; and thus formed the water channel for the drainage of the country on the north, and which is now the bed of the river.

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in Mr. Adams's pamphlet previously recommended; and specimens may be obtained at his museum in Matlock; and from Mr. Tennant (Professor of Mineralogy to King's College), 149, Strand, London.