

the strata were observed to rise uniformly to the east. It is not however always easy to distinguish the lines separating them; and to this the Doctor's error, (if it can be one) must be attributed. The angle of their inclination is from 45° to 60° . This hill affords the best station for commanding a general view of the Charnwood Forest Chain, which is seen stretching on the south in a bold range of broken and conical summits.

6. In Stanton Park in the parish of Stanton-harold, are quarries of the same rock horizontally stratified.

7. Also in Calke Park, near the east of a place called Diminsdale.

8. Close to the north entrance of the village of Ticknall, are very extensive quarries of this rock horizontally stratified. The lower strata here are of a blue colour, and these abound in entrochi, terebratulites, &c. The upper are of a pale yellow or green colour and thicker; this latter description applies generally to the character of the stone in all the other quarries.

It does not appear on what substratum these calcareous masses rest; but it may be observed that the inclined masses all rise to the east; which is the direction they would naturally assume, if we suppose the transition chain of Charnwood forest to be prolonged towards the north, beneath this covering of the newer sandstone; and thus to form the basis of this system of hills.

Section II.

THE WARWICKSHIRE COAL-FIELD.

This coal-field extends in length about sixteen miles from Wyken and Sow, (villages about three miles east from Coventry,) on the south-east, to Polesworth and Wareston,) about five miles east from Tamworth,) on the north west. The average breadth of the coal tract may be about three miles. All the strata rise to east-north-east; the inclination becoming more rapid towards the eastern edge of the field, where it in many places exceeds an angle of 45 degrees with the horizon, and decreasing towards the west to 1 foot in three, and lastly in 5. The outgoing of the more inclined strata on the east, forms a well defined, although low escarpment, which presents in some places the strata of the coal-measures; in others, the subjacent strata of millstone grit. Beneath this escarpment is a level plain, in which all the inferior strata are covered up and concealed by horizontal and overlying strata of the newer red sandstone and marle; which also mantle completely round the