

deepest of these is sunk 246 yards. One of the coal-beds attains the extraordinary thickness of from 17 to 21 feet. This is probably occasioned by the running together of two or more coal-seams, a circumstance of which other examples occur in the coal-fields of Warwickshire and Dudley.*

The eastern portion of the Ashby coal district may be said to commence in the pits belonging to Sir George Beaumont, about a mile and a half north-east from the above town. Two coal beds, each a yard and a half thick, are here worked: the strata dip to east-north-east 1 in 12. On Cole Orton Moor, several coal seams which have been proved to lie above these, have been worked to the depth of 116 feet. The dip here continues the same; that is directly towards the transition group of the Charwood forest hills which rise at the distance of less than a mile from this point; this circumstance appears embarrassing, as it would naturally have been expected that all the strata would have been found to rise and crop out on their so near approximation to this chain: somewhat further however, and close to this chain, such is found to be the case; for at Thringston the coal-measures have been proved, and found to rise, although very confusedly, towards it.

At Stanton Harold and other places on the north of Cole Orton, as far as Ticknall, coal has been raised, probably from a continuation of the same series.

It should generally be observed, that the strata of the red ground and newer red sandstone are so confusedly intermixed on the surface with the coal rocks of this district, as to render the elucidation of the details of its structure, an almost hopeless task.

The millstone grit and shale have not yet been ascertained to exist in this district; but a line of detached carboniferous

* A section of one of Lord Moira's pits on Ashby Wold presents —

		Ft.	In.
Various strata of bind-occasionally containing			
ironstone	- - - - -	53	7
Coal	- - - - -	3	—
Bind, &c.	- - - - -	128	5
Coal	- - - - -	3	4
Bind, &c.	- - - - -	177	7
Coal	- - - - -	4	10
Bind, &c.	- - - - -	46	9
Kennel Coal	- - - - -	2	9½
Bind, &c.	- - - - -	128	3
Main Coal	{ Rider coal	-	5 5
	{ Fire clay	-	3 —
	{ Coal	-	15 —
Total		571	10½