

PART II.

CONTAINING THE HILLS IN EAST YORKSHIRE.

At the date of the preparation of this list, few of the heights in this district had been determined trigonometrically. The authorities used in the following catalogue are—Col. Mudge, in the Ordnance Survey, marked (O.S.). Barometrical measurements by Professor Phillips, in his *Geology of the Yorkshire Coast* and others not previously published (P.). Barometric measurements added by Mr. Gray (G.).

The hills of this district form three classes.—First Class: The Wolds in the East Riding, ranging from Flamborough Head to Hessle, composed of chalk, marked (A.). Second Class: The Tabular Oolitic Hills, in the North Riding, commencing at Filey Brig, and forming a number of bold escarpments from Oliver's Mount to Hambleton End. These are composed of an oolitic limestone (*coralline oolite*), calcareous sandstone (*calcareous grit*), thick blue clay (*Oxford clay*), and shelly sandstone (*Kelloways Rock*); all which are exhibited in the Cliff at Scarborough Castle. (B.)—Third Class: The moorlands in the North Riding, consisting of a series of sandy and argillaceous rocks, containing thin seams of coal and a bed of impure limestone; these rest upon the upper Lias Shale, which in several places is worked for alum. And after passing below the cliffs of Hambleton, these rocks reappear in the range by Brandsby, Terrington, &c. (C.)

	HEIGHT. Feet.
Burton, or Botton Head, above Ingleby Greenhow, C. . .	O.S. 1485
Cranimoor, C.	G. 1423
Farndale Head, C.	G. 1412
Loosehoe Moor, near Rosedale Head, C.	O.S. 1404
The Two Hows, between Bransdale and Farndale, C. . .	G. 1380
Howdale Head, C.	G. 1346
Carlton Bank, C.	G. 1325
Cold Moor, C.	G. 1314
Wainstones, West of Burton Head, C.	P. 1300
Hambleton End, B.	G. 1300
Black Hambleton, above Kepwick, B.	O.S. 1246
Limekiln House, on Hambleton, B.	G. 1148
Boltby Scar, B.	G. 1105