

ton in the Marsh (though separated near the former place by a breach opening into the denuded vale of Rissington) form the continuation of the same ridge with which they correspond in composition. These constitute the western border of the broad part of the great lias bay, and after circling round a sort of creek which forms the vale of Campden, terminate in a bold promontory at the Ilmingdon hills (the north-west cape of this bay), immediately on the north of which lies the insulated summit of Meon hill: all these points have been described already in the preceding section. The strata on the escarpment of the Ilmingdon hills, in ascending from the village, are first, a thick bed of marly sandstone, above this a series of clays traversed by some thin beds containing Ammonites, &c., then a very ferruginous rock: above this the slope of the hill is more gradual, and the road is not sufficiently deeply cut to exhibit the strata, which however are seen to be decidedly oolitic on the summit.

From this promontory, the Cotteswolds range in the line already sufficiently described in the preceding section, south-south-west by Cheltenham and Stroud towards Bath: they appear to be generally capped by the great oolite, and to exhibit the strata we are now describing in their escarpment: most of the insulated (or outlying) hills situated in advance of the chain and rising from the lias plains on the west, appear however to be wholly composed of them. Breedon hill is however so lofty, that it may be expected (for we are not aware that it has yet been attentively examined) to exhibit a cap of the great oolite; on this account it has been mentioned in the preceding section. This is the most important of these outliers, and forms a considerable group of hills lying north-east of Tewkesbury; it is marked *k* in Mr. Greenough's Map. The Tredington hills* a little south of the above (marked *i*) are capped by the sandy beds of the inferior oolite, as are Churchill (marked *h*) in the north-east, and Robinswood hill on the south of Gloucester.

Mr. Halifax has furnished us with the following memorandum of the section on the western escarpment of Painswick hill (north-west of Stroud), which well illustrates the general structure of this part of the chain.

* Tredington hills are inadvertently coloured as lias in Mr. Greenough's Map.