

Carmarthenshire rises into the Beacons and Vans. The coal formation is generally found in countries deficient of beauty of form and luxuriance of vegetation; yet the undulations of the large coal tracts of Yorkshire and South Wales, with the noble oak woods which fill some of the valleys, are worthy of notice.

The millstone grit and Yoredale rocks form in the north of England a peculiar order of scenery; for resting in detached masses upon broad, bare surfaces of scar limestone, their bold craggy tops and edges, and abrupt precipices, produce often a grand, though sometimes a formal effect, and their combinations are frequently fine. To this country belong also many beautiful waterfalls, originating in the decay of soft shales and grits below ledges of limestone, over which the stream flings itself, in a free and lofty leap, into a dark and precipitous glen. (Hardrow force, in Wensley Dale; Ashgill force, in Aldstone Moor.)



Another thing worthy of notice in the scenery of the limestone districts in the north of England, especially Derbyshire, is the difference of herbage in the millstone grit, limestone shale, and limestone. On the latter (*l*), a fine green turf — on the shale (*s*), bluish green sedgy pastures — on the grit rocks (*m*), brown or purple heath, enable a geologist to mark out the leading features of districts with great facility, suggest to the botanist many interesting inquiries, and demonstrate to the agriculturist the dependence of the quality of soils on the rocks which they cover.

Geographical Extent.

The surface of country occupied by the rocks of the carboniferous system is proportionably much larger in the British islands than in other parts of the globe. In