

duced by fractures and 'convulsions of Nature,' for in this and many similar cases, what can be their origin but the tranquil scooping powers of disintegration and running water, aided by an unknown amount of time. East of the Magnesian Limestone lies the plain (*p*), almost as flat as a table, and covered to a great extent with an oozy loam, like the warps of the Wash and the Humber, and like these, perhaps, formed of old river sediments. The New Red and Lower Lias strata (4) lie beneath the warp, and for the most part, below the level of the sea, and high on the east, like a great rampart, the escarpment of the Oolites (5) rises in places to a height of more than 1,100 feet, with all its broad-topped moorlands and deep well-wooded valleys. Such is the anatomy of the fertile Vale of York and its neighbourhood.