

beautiful and characteristic features of this formation, being found in none of the more recent strata.

Crustacea existed during the accumulation of these rocks, but bore little resemblance to the present forms of the class: the trilobites of these rocks are, however, less numerous and varied than in the older Silurian rocks, where they are remarkably numerous.

The fishes of the carboniferous system (Caithness, Burdiehouse, Leeds, Bradford, Manchester) are mostly of the ganoid division of Agassiz: some of them are comparable to lepidosteus; and according to this able writer the larger sorts (megalichthys, holoptychus) had so much of a real analogy to reptiles (in the bones of the head, and character of covering,) as to justify the application to them of the title "Sauroid Fishes." From this general review, the reader will infer that most of the forms of plants and animals of the carboniferous system are very distinct from existing types, but yet comparable with them and intelligible by them; but that genera are mixed with them, which cannot be, or at least have not been, at all discriminated from recent; and among plants in particular, some fossil forms (ferns) have a resemblance to recent species, which is quite surprising.

*Physical Geography.*—Much of the most picturesque contracted scenery of England is situated among the deep-cleft valleys, and rock-breasted hills of the mountain limestone, which, in Cheddar cliffs, on the banks of the Wye, in Derbyshire, the Yorkshire dales, and parts of Cumberland, Westmoreland, Lancashire, Flintshire, and Glamorganshire, offers most attractive features to the artist. In Ireland, this rock is the source of very fine effects, about Sligo and Enniskillen. The Meuse flows from Namur to Huy, through a succession of precipices of limestone comparable to those of the Wye. There is not the same praise to be bestowed on the scenery of the old red sandstone, which, however, on the border of the Grampians, makes some interesting rock scenes (Braclyn Bridge), and in Breconshire and