

The cliff-sections where this geological structure is exhibited are among the most instructive to the geologist of any in Scotland. Along the rocky coast of Wigton and Kirkcudbright, on the one side of the country, and of Berwickshire on the other, he will see the massive beds of greywacke and thin hard shales bent into great arches and troughs, or squeezed into little puckerings, and will be able

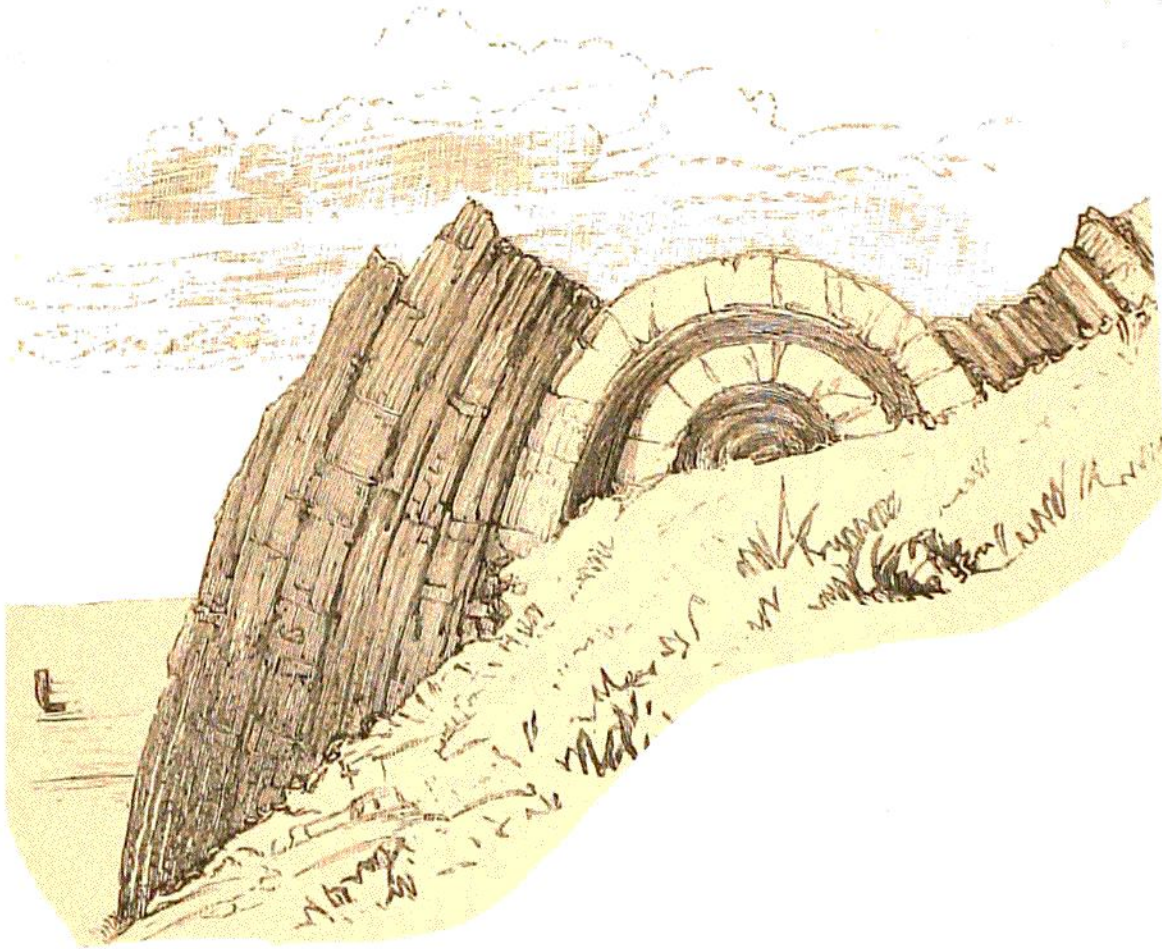


FIG. 63.—Curved Silurian strata, coast of Berwickshire.

to trace these plications following each other from top to bottom of the cliffs, mile after mile along the coast (Figs. 10, 63, 64). He will thus learn that in a long section of strata which are piled on end, there may be endless repetitions of the same beds, very much as the leaves of a bound book are made up of numerous foldings of a comparatively small number of sheets; the tops of the arches of the rocks having been cut