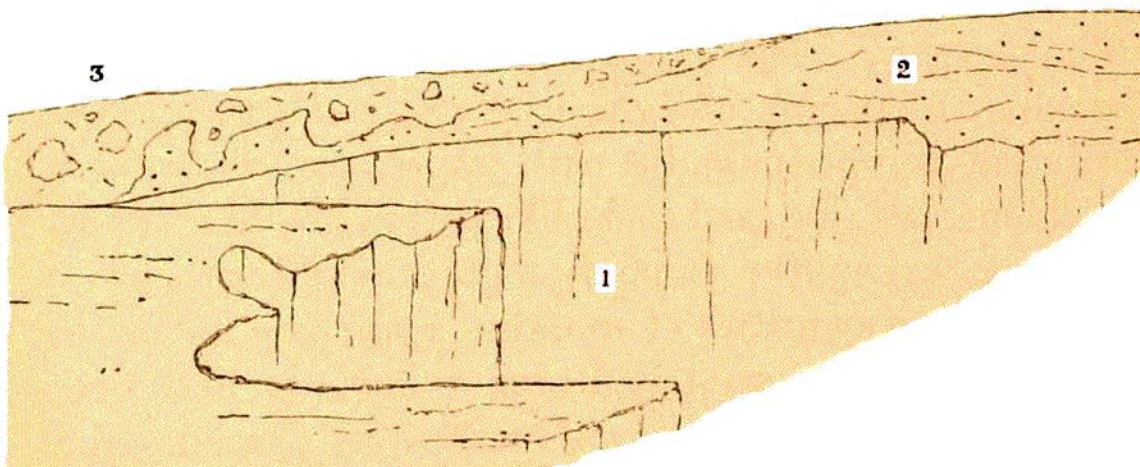


Prestwich found marine shells in sand and gravel at a height of about 1,200 feet. I have visited the place, and saw the shells *in situ*; and at Congleton, 600 feet above the sea, I also found sea-shells.

Similar shell-bearing deposits at a low level are found near the Mersey at Blackpool, and on the coast north of the Ribble, and I have also observed them in Caernarvonshire in the district of Lley. In the same county similar deposits were found by the late Mr. Joshua Trimmer, about five miles SE. of Caernarvon, near the summit of Moel Tryfan, at a height of about 1,170 feet above the level of the sea. With that locality I have been long acquainted, and in 1876 I revisited it along with Mr. Etheridge. The section occurs at a slate quarry in the Cambrian rocks. This, after being long abandoned, has of late years been worked with vigour, and the result is, that good sections are exposed as the gravel and boulder-clay are gradually cleared away from the surface. In August 1876 the section was as follows:—

FIG. 84.



1. Cambrian slate. 2. Shell-bearing sands and gravels.
3. Glacier Boulder-clay.

The sands and gravels are all marked by oblique lamination (false bedding) and have a beach-like as-