

sometimes deeply furrowed by ripple-marks—an appearance on which I will offer a few observations.

38. RIPPLE-MARKS ON SANDSTONE.—The furrowed sandstone and grit which are used for paving in Horsham, Crawley, and other towns and villages on the Forest-ridge and Tilgate Forest, must have attracted the attention of most persons who have travelled from Brighton to London. The surface of these slabs is similar to what may be observed on the sand along the sea-shore at low water, when the ripple from the receding waves has been well marked; the appearance has arisen from a similar cause (see p. 43). In many instances the stone is so rough as to be employed in stable-yards, where an uneven surface is required to prevent the feet of animals from slipping in passing over. It sometimes happens that when a large area of a quarry is cleared from the soil which covers it, a most interesting appearance is presented, the whole surface being rippled over like the strand on the sea-shore; and the spectator is struck with the conviction that he is standing on the sands of some ancient delta or estuary, which are now turned into stone. Sometimes the furrows are deep, showing that the water was much agitated, and the ripple strong; in other instances the undulations are gentle, and intersected by cross ripples, proving a change in the direction of the waves. Some slabs are covered by slightly elevated, longitudinal ridges of sand, made up of gentle risings, disposed in a