

A stroll from Kemptown, along the sea-shore to Rottingdean, is replete with interest, for the strata of which the cliffs are composed, clearly demonstrate that, in very remote periods, great changes have taken place in the relative position of the sea and land along the Sussex coast.

Some years since, the bare face of the Cliffs, from the entrance to the esplanade of the Chain-pier, at the Old Steyne, to Kemptown, was completely exposed, and presented a most interesting section of the strata. But at the present time, as every one knows, no portion of the cliffs is visible west of the *groin* below Kemptown; and the sections, in my first work (*Foss. South D.* Pl. IV. and V.), are the only records of the appearances formerly presented, and now concealed by the sea-wall. Even the cliffs immediately beyond Kemptown, are rapidly diminishing, from the action of the waves, which dash with greater violence against their base, in consequence of the means taken to protect the adjoining terraces from the encroachments of the sea.

The appearance of the Cliffs east of Kemptown is shown in the sketch, *Lign.* 159. But further along the shore, towards Rottingdean, in a ravine excavated by the encroachments of the sea, the ancient chalk cliff behind the mass of strata seen above, is exposed; this is represented in *Lign.* 160. A description of the appearances at this point will elucidate the nature of the strata of which these cliffs are composed.