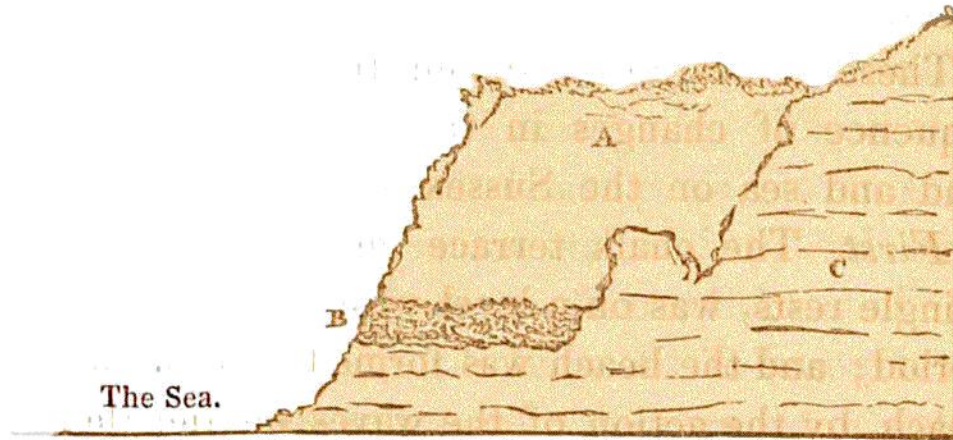


where the inroads of the sea have extended to the chalk strata, and the face of the ancient cliff is



TAB. 15.—ELEVATED BEACH AT BRIGHTON, EAST OF KEMP TOWN.

A, *Elephant bed*; B, *ancient bed of shingle*; C, *the chalk*.

exposed, the new deposits being shown in profile; these consist of the following beds:—

1. (A) Chalk, rubble, loam, &c., obscurely stratified; this deposit, from its containing teeth and bones of elephants, is called the Elephant-bed; it constitutes the upper three-fourths of the cliffs.

2. (B) Shingle, or sea beach and sand, many feet above high-water mark. This ancient shingle, which from the inroads of the sea extends in the cliffs beyond Kemp Town but a short distance inland, is constantly found beneath the loam and clay, several hundred yards from the shore in the western part of Brighton. In a well lately dug in the Western road, the shingle bed was reached at the depth of fifty-four feet.