

projects into Filey Brig. These rocks decay less than the softer or looser materials on either hand; but they have yielded, and are yielding continually.

The islands of chalk which stand up in the sea off Flamborough Head, show plainly the waste which has separated them from the land; and by studying the caverns in the neighbouring cliffs we see how that separation was effected, and what other changes are in progress (see the Lithographs).

At Dane's Dike the tourist should ascend the cliff, to mark the course of the artificial mound along the east side of the rough, deep, natural valley. He may also observe that a little valley was here excavated in the solid chalk before the detrital flint and chalk gravel was deposited on these cliffs, an operation followed by the overspreading of the boulder-clay.

At Dane's Dike many of the interesting organic remains of the chalk may be collected; particularly beautiful *Spongiadæ*, and the elegant Crinoids called *Marsupites** and *Apiocrinus*.

After passing the Beacon Hill, beyond Sowerby, 190 feet above high water, we descend to the south landing-place, a mere hollow in the chalk reefs, now useful to the fishermen, and formerly, we must suppose, employed by the Anglian and Danish pirates. Ida's sons with forty ships are said to have landed at Flamborough; it would seem more easy to disembark at Bridlington Bay.

Continuing our course we find the chalk excavated in many arches and caverns, and the 'Matron of Flamborough,' a fine pyramid standing up amid the waves (see Lithograph). The broken cliffs of Selwicks, under the lighthouse, succeed, and

* Many of the fossils found in these and other cliffs are figured in my work entitled 'Illustrations of the Yorkshire Coast.' See also the work of Young and Bird. Public collections of them may be seen at York, Leeds, and Hull, Bridlington (Mr. Strickland's collection), Scarborough, and Whitby. Among private cabinets on the coast, we may signalize Mr. Bean's, rich in all branches of marine zoology and palæontology. Dr. Murray and Mr. Leckenby at Scarborough, and Mr. Ripley at Whitby, are the liberal possessors of many choice things.