

conglomerate on the Maidstone hills, near the sites of the 'grey wethers.'

The statement of the late Dr. Mantell still holds good, that "no regular stratum of the 'Druid sandstone' has yet been discovered in this country, and its geological position is still undetermined."

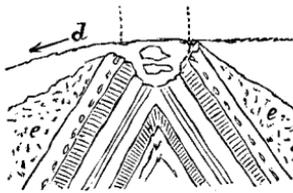


Fig. 11.—Anticlinal at Preston Quarry. *aa*, black greys; *bb*, molluskite bed; *cc*, loamy clay and greensand, with beds of stone bored with lithodomi at *c'c'*; *d*, is about three feet in thickness, and surface falling to the Medway.

Preston Quarry, on the south side of the Medway, offers a fine section of the effects of an elevating force, as may be seen in the accompanying sketch (fig. 11). The stone is fractured in all directions, and consequently large blocks are not obtainable. The diagram, fig. 12, gives the continuation of the disturbed beds.

The most interesting part of the quarry is the bed of loamy clay, *cc*. It contains fragments of shells—oysters, terebratulæ, corals, etc. In detached pieces, with their edges rounded, is a layer of stones, varying in thickness of about 2 inches by 6 or



Fig. 12. Section of Preston District.

12 inches across. Their upper surfaces (*c'c'*) are perforated by lithodomi, and the perforations are filled with the loam and a white powdery deposit. The excavations are about 2 inches in depth; and one fragment is so perforated, that not a square inch of it remains intact.

## CORRESPONDENCE.

### *Origin of Flint in Chalk.*

DEAR SIR,—Flint in chalk is found as bands of nodules or thin seams separated from each other by intervals of chalk varying from a few feet to many yards; the nodules, from a boy's marble to two or three feet in diameter. In some pits only solitary flints occur here and there; in others, in the same upper flint-bearing chalk, there are no flints at all.

We have terebratulæ composed of pure flint extracted from blocks of equally pure chalk.

I consider it very doubtful whether the flints have been deposited successively with the beds of chalk. Flint nodules, it appears to me, are actually in process of increase at this day.

Yours truly,

ROBT. MORTIMER.

Finber, Malton, November 13th, 1862.