

second limestone. This ridge is situated between Monk's dale and Flat dale. It should also be noticed, that in Tideswell dale, south of the town at the entrance of a small dale called Brees dale, several alternations of such occasional masses of toadstone (as were formerly mentioned as proved in the neighbouring mines on Tideswell moor) are to be seen in the cliffs composed of the third limestone. In pursuing the regular basset of the second toadstone on the south of the Wye, we find it skirting on the south that portion of the valley of that river distinguished as Rivers dale, and thus ranging westward till it approaches the eastern border of Sandy dale; here it turns southward and takes henceforth a course parallel to, and at an average distance of about a mile east from, the course of the third toadstone, (before described,) keeping to the west of Taddington and of Arborlow, and thence arriving by a south-easterly course near the north of the village of Bonsal, where it appears on the south-west slope of Masson low, one of the hills bounding Matlock dale on the west. In Matlock dale itself this stratum is exposed by denudation on the banks of the river near the foot of the high Tor, being brought down to this level by its dip: from Masson low it ranges south-west and south, passing near Bonsal church, and soon after meets the branch of the great fault before described as running through Bonsal dale, and in consequence of the depression of the strata included by the angular course of that fault, is no more seen.

The first, or highest toadstone, commences on the north-east from the same branch of the fault, as the second about half a mile south of it, and under exactly similar circumstances; it ranges west surrounding Lane-head houses, and thence turns south-east by Litton town proceeding across the north end of Cressbrook dale and by the north and east of Hay dale to the river Wye, on the banks of which it appears about half way up the cliffs of Fin Copt hill (one mile and a quarter north-west of Ashford) which exactly resembles Matlock high Tor in its appearance and the strata it exhibits. This toadstone crosses the river a little below this Tor, and traversing the middle of Dimins dale, ranges south-west to Moneyash, where, like the preceding beds, it trends first south and then south-east running parallel to them, and about three-quarters of a mile east of the second toadstone. This course carries it on the south side of Blakelow Tor (above Bonsal) and thence down the eastern slope of the hills to the valley of the Derwent, which it passes near the north foot of Matlock high Tor, and thence keeps for some distance on the east of that river sweeping from the rise of the strata in an ascending curve through the precipitous escarpment of the Tor, till it attains its middle region;