

We have thus described minutely the course and phenomena of the regular toadstone beds; it has also been stated that occasional masses of the same rock occur in the different limestone strata. Those on Tideswell moor and dale in the third limestone have been already mentioned. The same appearances also occur at Mockshaw and Haredale mine west of Bakewell in the 1st lime.

Mr. Whitehurst mentions dykes of toadstone on Bonsal moor, and says that in the mine called Slack in that quarter one of these formed a cross course, intersecting the metalliferous vein; the description if correct proves that this must have been a true dyke, although Mr. F. observes that the only instance of such a phenomenon which had fallen under his observation, was a small vein of hard toadstone (only six inches wide) partly filling a fissure on the 3rd toadstone stratum. The upper part of the fissure was occupied, not by toadstone, but a brittle and very inflammable coal; which perhaps may have been indurated bitumen, traversed by septa of calcareous spar.

V. GREENSTONE BEDS OF GRIFFE IN THE WARWICKSHIRE COAL-FIELD, AND NEAR THE LICKEY.

A. Pursuing the road to Coventry from Nuneaton, a hill of slight elevation is ascended, about half a mile from the latter town. This consists, as far as the summit, of the common shale of the coal-measures dipping south-west in an angle of between 53° and 40° . At the very summit the greenstone may first be traced on the western side of the road, which in its descent towards the adjoining valley on the south, called Griffe Hollow, is deeply cut in the greenstone; but it is there in so decomposing a state that its characters can scarcely be discerned; towards the bottom, the greenstone appears to be covered by, as at the top of the hill it appeared to rest upon, shale; and its position at this junction is such as seems to indicate, that it forms a conformable bed in the shale, rather than a dyke; below in Griffe hollow itself, which crosses the road at right angles, a second mass of greenstone, very well characterised with distinct but small crystals of felspar, appears a little on the west of the road, and crosses the hollow in a south-east direction (the general bearing of the strata) and proceeding a little way east in the ravine, greenstone rocks again appear on its north border, exactly in the line of bearing which the greenstone first mentioned must have pursued if a regular stratum, underlying the second, and separated from it by inter-stratified shale. On