

outcrop of this rock again occupies a considerable surface of ploughed land, extending from Penselwood through the vale of Blackmoor to Stourminster Newton.

The greatest surface of this stony land is about Calne, by Bremhill, Lyneham, and Tokenham, to Wotton Basset; thence by Lydiard, Blunsdon, Stanton, Stratton, and Sevenhampton, to Highworth; Coleshill, Shrivenham, &c. to Faringdon, and thence by the great road to Oxford, and spreading eastward, almost to Abingdon, where it is covered with gravel.

Over the Thames it again expands from Sandford, westward by Cowley, Heddington Common, and all the elevated plain between the foot of Shotover Hill and Oxford, to Stanton St. John's, &c. contracting in the width of its course northward, till it becomes indistinct in the great breadth of clay land.

The sand which lies beneath this rock is scarcely known in some places; in others it occupies a great breadth of surface, and in others is highly tinged with the red oxyd of Iron, which gives it a very different appearance.

Between the limestone rocks, containing the Fossils herein described, and the sand beneath, lies a floor of stone, which preserves the escarpment of the stony ridge, by which the great clay vale district might be said to be divided into two ranges of vales; the vales of White-Horse and Aylesbury being to the east, and the vales of Bedford, Ottmoor, Isis, and Avon or north Wilts to the west of this ridge.

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#### ORGANIZED FOSSILS.

FIG.

1 Madrepora	-	-	-	Stanton near Highworth. Shippon. Bagley Wood Pit. Banner's Ash. Well near Swindon, Wilts and Berks Canal. Steeple Ashton. South of Bayford.
2 Madrepora	-	-	-	Steeple Ashton.
3 Madrepora	-	-	-	Steeple Ashton. Longleat Park. Stratton. Wotton Basset. Banner's Ash. Well near Swindon, Wilts and Berks Canal. Shippon. Bagley Wood Pit. Stanton. Ensham Bridge.

FIG.

1 Turbo	-	-	-	Longleat Park. Derry Hill. Steeple Ashton. Banner's Ash. Wotton Basset. Bagley Wood Pit.
2 Ampullaria	-	-	-	Longleat Park. Marcham. Kennington. Silton Farm. South of Bayford. Hinton Waldrish.
3 Melania striata	-	-	-	Calne. Steeple Ashton. Silton Farm. Banner's Ash. Well near Swindon, Wilts and Berks Canal. South of Bayford.
4 Ostrea crista galli	-	-	-	Derry Hill. Shotover Hill. Westbrook. Longleat Park. South of Bayford. Wotton Basset.
5 Cidaris	-	-	-	Hilmarton. Well near Swindon, Wilts and Berks Canal.
6 Clypeus	-	-	-	Meggot's Mill, Coleshill. Longleat Park. Hinton Waldrish.

This latter specimen, as shown in my "Stratigraphical Table of Echini" is one of the characteristic distinctions of the Pisolite part of the rock.