Mytili, &c. as to be distinguished by the name of the muscle-band. It will be seen by the following list, extracted from Mr. Farey's Index to Sowerby's Mineral Conchology, that Testacea are also found in some of the other beds.

CHAMBERED UNIVALVES.

Ammonites Listeri.	(p. 132. Sowerby's	Stratum in which found.
Mikinomics Listers.		0.1 Cl1-
	Brit. Min. T. 435)	
Ammonites Walcotti.	T. 106.	Argillaccous iron-
	Charles Committee Wash	stone, Coalbrook D.
Orthoccra Steinhaueri.	T. 80, fig. 4.	3d. Shale.
Bivalves.	70	
Terebratula crumena.	T. 83. fig. 2. 3.	1st. Shale.
Lingula Mytiloides.	T. 19. fig. 1. 2.	9th. Shale.
Mytilus crassus.	Brit. Min. T. 386.	Ibid.
Unio acutus.	T. 33. fig. 5. 6. 7.	Ibid.
U. uniformis.	T. 33. fig. 4.	Ibid.
U. subconstrictus.	T. 33. fig. 1. 2. 3.	12th. Shale.

The localities given are all in Derbyshire, and the beds are numbered in an ascending order.

A most important question with regard to the inferences to be deduced from these shells, as affecting our conclusions concerning the circumstances under which the coal-deposits were formed, here presents itself;—do they belong to the marine or fluviatile class?

There can be no doubt that the Ammonites, Orthocera, and Terebratula are marine; but on the other hand the Unios have been considered as fluviatile, and the Mytilus crassus as belonging perhaps to the fluviatile genus Anodonta. We are greatly inclined, however, to hesitate in admitting these representations. It is indeed well known to conchologists that the genus Unio was instituted in order to separate the fluviatile from the marine muscles; but it must be equally known to the students of fossil conchology that the form of hinge, assumed as its distinguishing character, belongs to several species found in a fossil state, under circumstances that preclude the suspicion of their being other than marine: thus shells called, on account of their hinge, Unio, are found in many of the oolites, the lias, &c. (see the lists of those formations); these occur with shells undoubtedly marine, and are too numerous, and too constantly attendant on the strata, to be considered as fluviatile shells accidentally introduced. Now some of the so-called Unios which occur in the colitic series, are closely allied to those of the