

- LIII. *Description of LINGULA THOMSONII*, *Trans. Geol. Soc. Glasgow*, Vol. II., pl. ii., figs. 3, 3a, 3b. By THOMAS DAVIDSON, Esq., F.R.S., F.G.S.

Sp. Char.—Shell, longitudinally oblong; broadish anteriorly; sides, sub-parallel; beak, obtusely angular; valves, convex; surface, longitudinally, and finely striated; length, $4\frac{1}{2}$; width, 3 lines.

Loc.—Carb. limestone, Tirfergus glen, near Campbeltown.

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- LIV. *On the Occurrence of COAL BEDS under the Traps of the BOWLING HILLS.* By Mr. ALEXANDER CURRIE.

(Communicated by Mr. John Young.)

(Read April 12th, 1866.)

WITH the view of corroborating the opinions held by various members of this society, in opposition to those put forth by the officers of the Government Geological Survey, I have to bring under their notice the occurrence of certain coal seams which have come under my observation, and which, being overlaid by the traps of the Bowling Hills, may help to throw some light on the age of these igneous rocks which form the western termination of the Kilpatrick range.

The physical aspect of this beautiful range of hills must be familiar to all who have sailed up and down the Clyde, or who have had the pleasure of rambling among them and examining their structure. From near Old Kilpatrick to Dumbarton they impinge on the shores of the Clyde, forming in some parts of the foreground a series of abrupt conical heights, such as Dungleigh, Dumbuck, and Dumbarton rock; while in the background there are the lofty terraced fronts of the Long Craigs and other eminences, the whole presenting a scene only to be witnessed among the trap-hills of Scotland. The age of these igneous outbursts, which form part of the great chain of trappean heights, extending across Scotland, from Ardrossan on the Clyde to near Montrose on the German Ocean, has always been a subject of interest to those engaged in their investigation, and can only be satisfactorily determined by the age of any sedimentary strata,