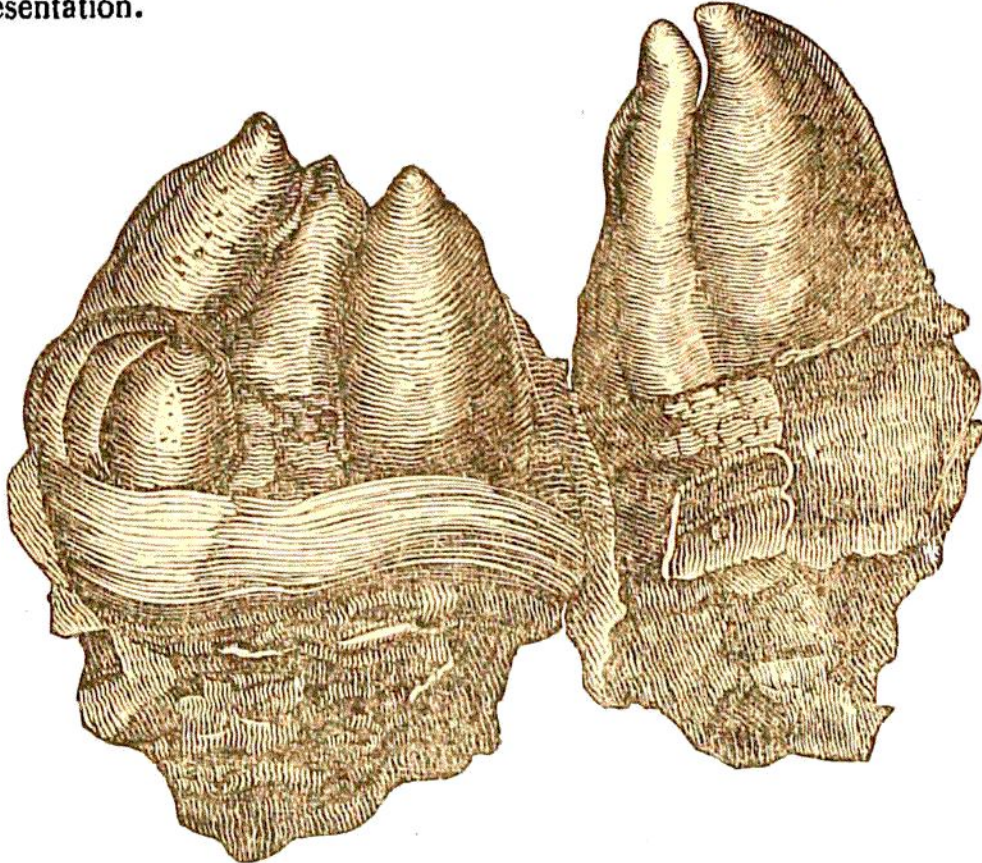


As the plastic clay and London clay contain wood-coal, or lignite, which is supposed to be characteristic of these beds, probably the strata with wood-coal at Alpnach (see Chap. VIII.), may be regarded as belonging to a similar epoch. Some French geologists would place these strata still higher in the tertiary series. The strata at Alpnach are peculiarly remarkable for containing the remains of the narrow-toothed mastodon, and of other mammalia, at the depth of nearly three hundred feet from the surface. The annexed cut is taken from a drawing of one of these teeth in the possession of the late Professor Meisner, of Berne, who also gave me specimens of the strata below which the tooth was found.

It is deserving of notice, that teeth almost exactly similar were found on the volcano of Imbaburra in the Andes, which is ten thousand feet above the level of the sea. I have one tooth in my possession from thence, purchased at the sale of the late M. Faujas de St. Fond, of which the annexed cut may also serve as a correct representation.



The strata at Alpnach consist of the following beds in descending series:—

	Feet.	Inches.
1. Light grey sandstone - - -	24	0
2. Light grey limestone like Jura limestone	24	0
3. Different beds of Molasse or soft sandstone	227	0
4. Light grey sandstone with mica, like No. 1.	6	0
5. Light grey argillaceous limestone	1	6
6. Bituminous shale in layers - -	7	0