

just what was seen to happen in Messina in the great Calabrian earthquake. As the shock ran along the ground, the houses of the Faro were seen to topple down in succession; beginning at one end and running on to the other, as if a succession of mines had been sprung. In the earthquake in Cutch, a sentinel standing at one end of a long straight line of wall, saw the wall bow forward and recover itself; not all at once, but with a swell like a wave running all along it with immense rapidity. In this case it is evident that the earthquake wave must have had its front oblique to the direction of the wall (just as an obliquely-held ruler runs along the edge of a page of paper while it advances, like a wave of the sea, perpendicularly to its own length).

(25.) In reference to extinct volcanos, I may just mention that any one who wishes to see some of the finest specimens in Europe may do so by making a couple of days' railway travel to Clermont, in the department of the Puy de Dôme in France. There he will find a magnificent series of volcanic cones, fields of ashes, streams of lavas, and basaltic terraces or platforms, proving the volcanic action to have been continued for countless ages before the present surface of the earth was formed; and all so clear that he who runs may read their lesson. There can there be seen a configuration of surface quite resembling what telescopes show in the most volcanic districts of the moon. Let not my hearers be startled: half the moon's face is covered with unmistakable craters of extinct volcanos.

(26.) Many of the lavas of Auvergne and the Puy de