

their centre ; *Etna*, *Vesuvius*, the volcanoes of the *Azores*, of the *Canaries*, of the *Cape de Verde*, of the *Galapagos* Islands, the *Sandwich* Islands, the *Marquesas*, the *Society* Islands, the *Friendly* Islands, *Bourbon*, and, finally, *Ararat*.

The mouths of volcanic chimneys are, almost always, situated near



Fig. 10. — Existing crater of Vesuvius.

the summit of a more or less isolated conical mountain ; they usually consist of an opening in the form of a funnel, which is called the *crater*, and which descends into the interior of the volcanic chimney. But in the course of ages the crater becomes extended and enlarged, until, in some of the older volcanoes, it has attained almost incredible dimensions. In 1822 the crater of Vesuvius was 2,000 feet deep, and of a very considerable circumference. The crater of Kilauea, in the Sandwich Islands group, is an immense chasm 1,000