

The materials erupted from volcanic vents may be classed as (1) gases and vapors, (2) water, (3) lava, (4) fragmentary substances. A brief summary under each of these heads

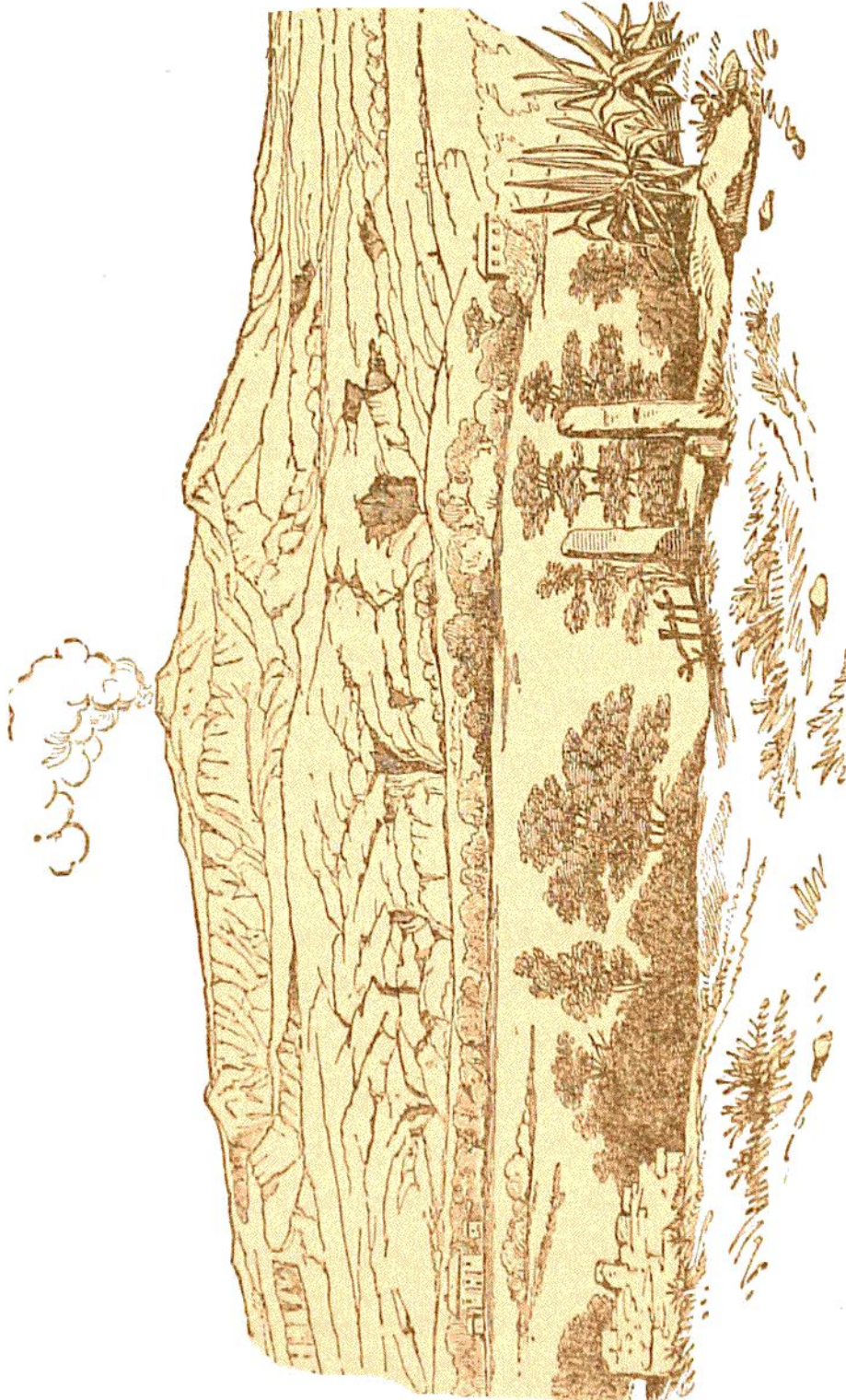


Fig. 39.—View of Etna from the Torre Archirafi (Sartorius von Waltershausen).

may be given here; the share taken by the several products in the phenomena of an active volcano is described in § 2.

1. **Gases and Vapors** exist dissolved in the molten magma