

the moist way, which at first sight may be found to resemble it.

1st, *Pumice*; this of all substances is most peculiarly appropriated to volcanos, particularly that of the first variety; yet sometimes a compacted congeries of felspar, and short, crystals with some scales of mica, have been mistaken for it; 2 Nöse. p. 183; nor is mere floating on water a sufficient character whereby to distinguish pumice, for various porous lavas float on water; Fauj. Mineral. des Volcan. 265; so also do the scoriæ of some flates which also have a greenish grey colour. 1 Sauff. 78. It should also be remembered, that pumice as it floats on water may be conveyed from a great distance.

2d, *Volcanic Ashes*; these, when indurated, much resemble wacken; and accordingly this last has often been taken for them. Mr. Dolomieu has fallen into this mistake in his description of Lipari, p. 57, as must be evident to any impartial person that considers it. Others have taken comminuted argillite for volcanic ashes. 2 Nöse. 158.

3d, *Pouzzolana*; decayed traps, or trap porphyries, particularly when compacted with clay, much resemble pouzzolana, and often answer the same purposes; therefore they have often, passed for it. See 1 Nöse. 64, 65; 2 Nöse. 74. 11; Nev. Entd. p. 69; and Leske G. 209, 221.

4th, *Tufas*; wacken has been sometimes taken for these.

5th, *Piperino*; amygdaloids, out of which their kernels had fallen by decay, sometimes resemble this stone; so also do decayed traps, or basalts. 1 Bergbau. 398.

6th,