

ORDER XII.—BISMUTH.

THIS Order contains the following species, viz. Native Bismuth, Bismuth-glance or Sulphureted Bismuth, Needle-ore or Plumbo-cupriferous Bismuth-ore, Cupriferous Bismuth-ore, and Bismuth-ochre.

1. Native Bismuth.

Gediegen Wismuth, *Werner*.

Wismuthum nativum, *Wall.* t. ii. p. 205.—Gediegen Wismuth, *Werner*, *Pabst.* b. i. s. 183. *Id. Wid.* s. 887.—Native Bismuth, *Kirw.* vol. ii. p. 264.—Bismuth natif, *De Born*, t. ii. p. 214.—Gediegen Wismuth, *Emm.* b. ii. s. 434.—Bismuth natif, *Lam.* t. ii. p. 331. *Id. Haüy*, t. iv. p. 184. *Id. Broch.* t. ii. p. 343.—Gediegen Wismuth, *Reuss*, b. iv. s. 310. *Id. Suck.* 2^{ter} th. s. 361. *Id. Lud.* b. i. s. 270. *Id. Bert.* s. 472. *Id. Mohs*, b. iii. s. 633.—Bismuth natif, *Lucas*, p. 156.—Gediegen Wismuth, *Leonhard*, *Tabel.* s. 77.—Bismuth natif, *Brong.* t. ii. p. 131. *Id. Brard*, p. 348.—Gediegen Wismuth, *Karsten*, *Tabel.* s. 70. *Id. Haus.* s. 70.—Bismuth natif, *Haüy*, *Tabl.* p. 105.—Native Bismuth, *Kid*, vol. ii. p. 212. *Id. Aikin*, p. 52.

External Characters.

Its colour is silver white, which inclines to red; on the fresh fracture it acquires a pavonine tarnish.

It occurs massive, disseminated, in leaves whose surface is plumosely streaked; reticulated; and crystallised, in the following figures:

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1. Octahedron,