

*First Subspecies.*

## Common Arsenical Pyrites.

Gemeiner Arsenikkies, *Werner*.

*Id. Wern.* Pabst. b. i. s. 212. *Id. Wid.* s. 968.—Arsenical Pyrites, or Marcasite, *Kirw.* vol. ii. p. 256.—Gemeiner Arsenikkies, *Emm.* b. ii. s. 553.—La Pyrite arsenicale commune, *Broch.* t. ii. p. 438.—Fer arsenical, *Hauy*, t. iv. p. 57.—Gemeiner Arsenikkies, *Reuss*, b. iv. s. 505. *Id. Lud.* b. i. s. 298. *Id. Suck.* 2<sup>ter</sup> th. s. 446. *Id. Bert.* s. 501. *Id. Mohs*, b. iii. s. 314.—Fer arsenical, *Lucas*, p. 138. *Id. Brard*, p. 314.—Gemeiner Arsenikkies, *Leonhard*, Tabel. s. 78. *Id. Karsten*, Tabel. s. 74. *Id. Haus.* s. 73.—Fer arsenical, *Hauy*, Tabl. p. 95.—Arsenic alloyed with Iron, *Kid*, vol. ii. p. 203.—Mispickel, *Aikm*, p. 63.

*External Characters.*

On the fresh fracture it is silver white, but by exposure it acquires a yellowish tarnish; sometimes it has a pavonine, columbine, or iridescent tarnish, in its natural repository.

It occurs massive, disseminated, often also crystallised in the following figures:

1. Oblique four sided prism, with lateral edges of  $112^{\circ} 87' 11''$ . and  $67^{\circ} 22' 49''$ , and in which the lateral faces are either perfect \*, or bevelled either

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\* Fer arsenical primitif, *Hauy*. According to *Hauy*, the primitive form of this species is an oblique four-sided prism, with lateral edges of  $111^{\circ} 18'$ , and  $68^{\circ} 42'$ ; whereas *Bernardi* considers it as a cube.—*Vid. Annal. du Mus.* t. xii. p. 306.; and *Gehlen's Journal*, t. iii. p. 8. The above measurement is that of *Hausmann*.