

Constituent Parts.

	Dodecahedral Pyrites.	Pyrites in striated Cubes.	Pyrites in smooth Cubes.
Sulphur,	52.15	52.50	52.70
Iron,	47.85	47.50	47.30
	<hr/> 100	<hr/> 100	<hr/> 100

Hatchett, Phil. Trans for 1804.

Some varieties, particularly those in striated cubes and dodecahedrons, contain a portion of gold, and hence have been named Auriferous Pyrites: other varieties contain silver.

Geognostic Situation.

It occurs in beds, in primitive, transition, and floetz mountains; also disseminated through various rocks, as granite, gneiss, mica-slate, clay-slate, primitive greenstone, porphyry, grey-wacke, sandstone, slate-clay, limestone, &c. In the veins in primitive mountains, it is associated with galena or lead-glance, copper-pyrites, arsenical-pyrites, blende, frequently with native gold, seldomer with ores of silver: in transition mountains, with galena or lead-glance, blende, copper-pyrites, sparry ironstone, calcareous and fluor spar; and in floetz rocks, with ores of lead, copper, and zinc, and quartz, calcareous-spar, and fluor-spar.

It is worthy of remark, that quartz is one of the most constant attendants of common iron-pyrites.

Geographic Situation.

This mineral is so universally distributed, that it is not necessary to enter here into any geographical details in regard to it.

Use.