

2. Six-sided pyramid, truncated on the extremity. Internally it is splendid, and the lustre is metallic.

The principal fracture is foliated; specular-foliated in one direction, less perfect in two other directions: the cross fracture is small conchoidal, inclining to uneven.

It occurs in coarse granular distinct concretions.

In other characters it agrees with the preceding subspecies.

*Geognostic and Geographic Situations.*

It occurs in the mines of Andreasberg; and at Bodenmais in Bavaria.

*Observations.*

1. It was formerly conjectured, that the iron in this species was less oxidised than that in common iron-pyrites, and in this way its magnetic property was accounted for. Mr Hatchett has shewn, however, that iron, when combined naturally or artificially with 36.50 or 37 of sulphur, is not only still capable of receiving the magnetic fluid, but is also rendered capable of retaining it, so as to become in every respect a permanent magnet; and the same, he thinks, may, in a great measure, be inferred respecting iron, which has been artificially combined with 45.50 *per cent.* of sulphur.

2. Mr Hatchett has also shewn that magnetic pyrites agrees in chemical properties with artificial sulphuret of iron or pyrites.

6. Magnetic