

Uses.

The three subspecies of ore appear different in working. The Morass-ore is the most easily fusible, and also affords the best iron. The Meadow-ore is more difficultly fusible. When melted with other ores of iron, red and brown ironstone are to be preferred. Of these the ochry subspecies smelt the most advantageously; but where these cannot be obtained, and we are obliged to use the compact and hematitical subspecies, we must be careful that they be previously well roasted. Even in the first melting, bog-ore affords an iron for the finest kinds of cast-ware. Owing, however, to the phosphoric acid it contains, it is not so tenacious as that obtained from some other ores. The malleable iron prepared from this ore has always a tendency to be cold-short, and can scarcely be used for plate-iron, and never for iron-wire. It is however well fitted for nails, because it takes a good point, and welds well. The usual flux is limestone.

15. Pitchy Iron-Ore.

Eisenpecherz, *Werner*.

Eisenpecherz, *Karsten*, in *Magaz. d. Ges. Natf. Fr. Berlin*, 1808, s. 111. *Id. Karsten*, *Tabel. s. 66. Id. Klaproth*, *Beit. b. iv. s. 217.*—Pittizit, *Haus. s. 107.*—Fer oxydé resinite, *Hauy*, *Tabl. p. 98.*—Pitchy Bog Iron-ore, *Aikin*, 2d edit. p. 105.

External Characters.

Its colour is greyish-black, which passes into dark liver-brown; sometimes it is yellowish-brown.

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