

*Constituent Parts.*

From Airthrie.		Freyberg.	Freyberg.	Freyberg.	
Copper,	19.2	Copper,	41.00	48.00	42.50
Iron,	51.0	Iron,	22.50	25.50	27.60
Sulphur,	14.1	Sulphur,	10.00	10.00	10.00
Arsenic,	15.7	Arsenic,	24.10	14.00	15.60
	—	Silver,	0.40	0.50	0.90
	100.0	Antimony,			1.50
<i>Thomson, Ed. Trans.</i>			98.00	98.00	98.00
		<i>Klaproth, Beit.</i>		<i>Ib. s. 49.</i>	<i>Ib. s. 52.</i>
		b. iv. s. 47.			

*Geognostic Situation.*

It occurs in beds and veins, in primitive, transition, and flætz rocks, in which it is usually accompanied with copper-pyrites, galena or lead-glance, ores of manganese, sparry ironstone, heavy-spar, calcareous-spar, fluor-spar, and quartz; seldomer with malachite, azure copper ore, and other ores of copper.

*Geographic Situation.*

*Europe.*—It occurs along with copper-pyrites in red sandstone, near Sandlodge, in the Mainland of Zetland; in small veins at Fassney Burn in East Lothian; at Airthrie, in the Ochil Hills, north-east of Stirling, in veins, along with heavy-spar, and calcareous-spar; also in Ayrshire; and at Tavistock in Devonshire; and in the copper-mines of Cornwall; at Kongsberg in Norway, along with variegated copper-ore; at Freyberg in Saxony, in veins that traverse gneiss, along with copper-pyrites, sparry ironstone, quartz, calcareous-spar, heavy-spar,