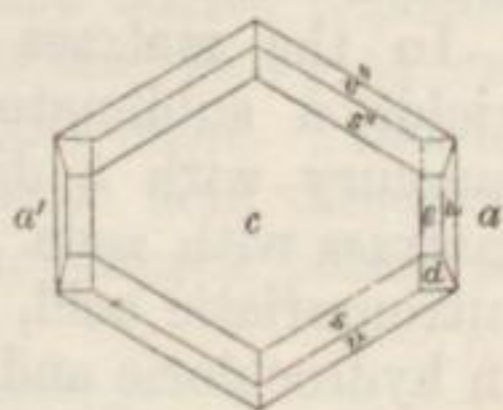


Prismatic. $011,010 = 34^\circ 48'$; $101,001 = 40^\circ 0'$; $110,100 = 59^\circ 45'$.

a 100, *c* 001, *e* 201, *u* 1001, *w* 061, *v* 221, *s* 111,
d 211, *m* 110 twin plane.

<i>ec</i>	59° 12'	<i>ma</i>	59° 45'
<i>uc</i>	83 12	<i>sa</i>	64 24
<i>ac</i>	90 0	<i>ss''</i>	95 32
<i>wc</i>	76 31	<i>va</i>	61 8
<i>wa</i>	90 0	<i>vv''</i>	111 38
<i>sc</i>	59 0	<i>da</i>	46 14
<i>vc</i>	73 17	<i>dd''</i>	72 43
<i>mc</i>	90 0	<i>dc</i>	65 38

FIG. 177.



Combinations. *cdvua*, *cuseu*, *cwedva*, *csedvu*. Twins. Twin-face *m*. The face *c* striated parallel to its intersections with *w*, the other faces striated parallel to their intersections with *c*. Cleavage. *c*, very perfect, and easily obtained. Lustre metallic, brightest on *c*. Pinchbeck brown. Streak black. Very sectile. In thin leaves flexible. $H = 1.0 \dots 1.5$. $G = 4.215$.

Before the blowpipe on charcoal burns with a blue flame, and smells of burning sulphur; fuses into a magnetic globule covered with silver. With borax yields a globule of silver and glass coloured by iron. Is decomposed by nitromuriatic acid, leaving sulphur and chloride of silver.

AgFe^2 , silver 32.52, iron 33.74, sulphur 33.74.

Analysis of sternbergite from Joachimsthal by Zippe:—

Silver	33.2
Iron	36.0
Sulphur	30.0

In attached crystals, in fan-shaped and globular aggregations, and columnar masses. Is found in veins with pyrargyrite and argentite at Joachimsthal in Bohemia; Schneeberg and Johann-Georgenstadt in Saxony.

The flexible silver of Phillips is, as the angles demonstrate, a distorted figure of argentite. It was purchased by Mr. Brooke at a public sale as Bournon's mineral, and handed over as such to Mr. Phillips, and measured and described without reference to Bournon's Catalogue. The specimen of sternbergite now in Mr. Brooke's collection is in very perfect crystals, and was formerly in the possession of Count Bournon.

68. BORNITE.—Purple copper; Phillips. Cuivre pyriteux hepatique; Hany. Oktaedrischer Kupfer-Kies; Mohs. Buntkupfererz; Hausmann. Bornit; Haidinger.