

93. KOBELLITE.—Kobellite; Dufrenoy. Kobellit; Hausmann, Haidinger.

Opaque. Lustre metallic. Dark lead-grey. Streak black. $G = 6.29 \dots 6.32$.

In the open tube yields sulphurous acid and oxide of antimony. Before the blowpipe melts with ebullition, deposits a white and a yellow sublimate upon the charcoal, and leaves a white metallic bead. Soluble in concentrated hydrochloric acid with disengagement of hydrosulphuric acid.

Analysis by Setterberg:—

Lead	40.12
Bismuth	27.05
Iron	2.96
Copper	0.80
Antimony	9.25
Sulphur	17.86
Earthy matter	1.45

In radiating, columnar and fibrous masses.

Is found in the cobalt mine of Hvena in the province of Nerike in Sweden with cobaltine, mispickel, towanite.

94. TENNANTITE.—Tennantite; Phillips. Cuivre gris (in part); Haüy. Dodekaedrischer Dystom-Glanz; Mohs. Tennantit; Hausmann, Haidinger.

Cubic.

a 100, o 111, d 011, n 211, z 322. o , n , z are hemihedral with inclined faces.

aa'	90°	o'	dd'	60°	o'	na	35°	$16'$
oo'	70	32	da'	45	0	nd'	30	0
oo''	109	28	do	35	16	zo	11	39
oa	54	44	no	19	28			

FIG. 203.

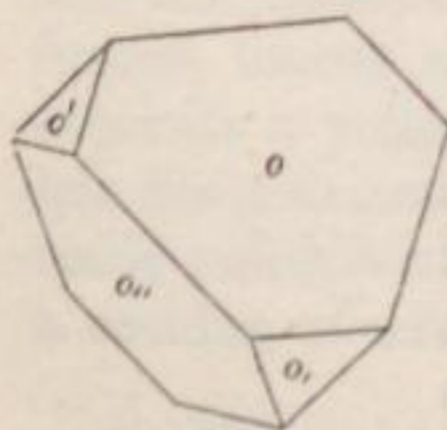


FIG. 204.

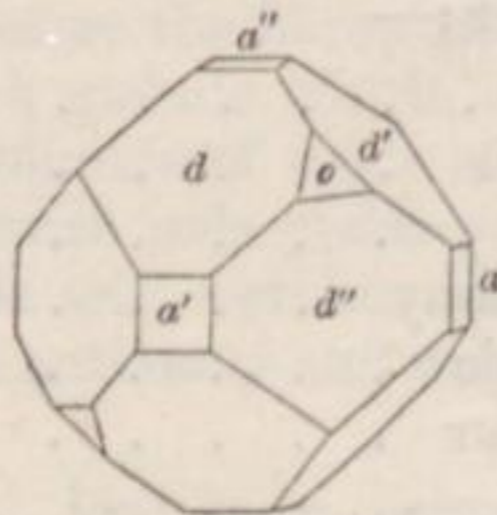
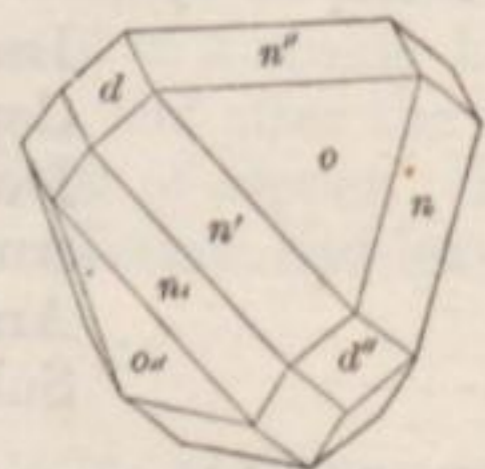


FIG. 205.



Combinations. $o'o'$, ado' , $do'n'$. Twins. Twin-face o . Cleavage. d , imperfect. Fracture uneven. d striated parallel to the