Bohemia, Neudorf, Wolfsthal and Andreasberg in the Harz, Arensberg in Westphalia, Auvergne and other places in France, Wolfach in Baden, Leogang near Salzburg, Schladming in Styria, Lavantthal in Carinthia, Gold Kronach in Baireuth, Schlangenberg in Siberia, Loretto in Tuscany, Padstow in Cornwall, Glendinning in Dumfriesshire, Spain, North and South America.

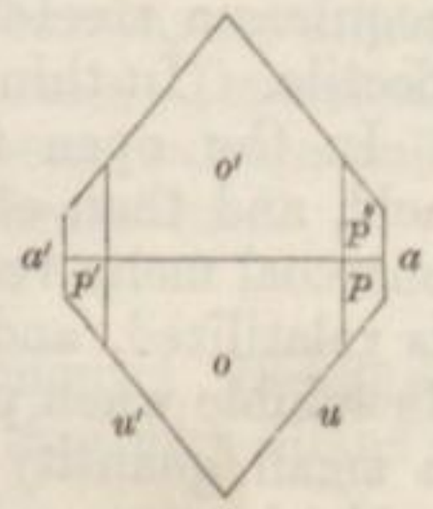
64. ORPIMENT.—Orpiment; Phillips. Arsenic sulfuré jaune; Hauy. Prismatoidischer Schwefel; Mohs. Rauschgelb; Hausmann. Operment; Haidinger.

Prismatic. 011,010=41° 45′; 101,001=33° 0′; 110,100=59° 54′·5.

a 100, *b* 010, *o* 011, *m* 110, *u* 210, *p* 111, *v* 211. *b* truncates the edge *uu′*, *m* truncates the edge *ub*, *v* truncates the edge *pa*.

FIG. 173.

ob	41°	45′	*mm′*	62°	11′
oo′	96	30	*va*	48	3
ua	39	40	*pa*	65	48
ma	58	55	*oa*	90	0
ba	90	0	*pb*	47	10
uu′	100	40	*pm*	37	27



Combinations. *pmu*, *opmu*, *opua*, *opvmub*, *abomu*. The faces *a* rough but even; *m*, *u* striated parallel to their intersections with *a*. Cleavage. *a*, very perfect; *b*, traces. Semi-transparent ...translucent on the edges. Lustre resinous; on the cleavage *a* pearly, inclining to metallic. Lemon-yellow, inclining to orange-yellow. Sectile. In thin leaves flexible. H = 1·5. G = 3·48.

In the matrass yields a dark yellow or red sublimate. In the open tube burns, yields sulphurous acid, and deposits a sublimate of arsenious acid. Fused with soda yields metallic arsenic. Soluble in nitromuriatic acid, caustic potash and ammonia.

AsS^3, arsenic 60·95, sulphur 39·05.

Analyses of orpiment by Klaproth and Laugier:—

Arsenic	62	61·86
Sulphur	38	38·14

In imbedded crystals; botryoidal, reniform, stalactitic, massive