

## 21st Species.

Staurolite, or cross stone of St. Andreasberg, in the Hartz \*. Kreutz Crystal of the Germans. Hyacinth Blanche of 2 Romé, p. 299.

Of this stone there are two varieties. The second is very scarce, having occurred but once.

The colour of the first is milk white; of the second, brownish grey.

Their shape is that of two quadrangular tables, or flat quadrangular prisms, bevelled at the edges, and intersecting each other at right angles. Some difference may take place as to the form of the edges, and the angle of intersection.

The crystals of the 2d variety are most commonly fulcated.

The lustre, both external and internal, is variable. Of the first generally 2; and of the waxy kind, that of the second pearly; and somewhat stronger than that of the first.

Transparency, 1.2.3. The fracture of both is foliated. Fragments, 3.

Hardness, 9; brittle. Sp. gr. of the first, 2,355; of the second, 2,361.

Gradually heated, both decrepitate and lose 0,15 or 0,16 of their weight, and as some say, slightly intumescence †, and then fall in powder. This powder is infusible at 150°, but by pure air is converted into a white enamel.

Mineral alkali fluxes both varieties into a frothy enamel; that of the first is white, that of the

\* 2 Bergbau. p. 23.

† 2 Lempe Mag. p. 59.