

X.—*Note on a peculiar form of Quartz Crystals from Australia.*

BY THE REV. J. M. MELLO, F.G.S.

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THIS quartz, the precise locality of which is unknown, is different to any that I remember having previously seen. It is apparently from a mineral vein, and consists of an assemblage of quartz pyramids, which differ from the usual form in having each angle apparently supplemented by a small prism, giving to the centre block a curious stellate appearance, fig. 8, Pl. V.

The interspaces are filled up with minute pyramidal crystals of quartz, as well as others of chalybite and pyrites.

The fractured under surface fig. 7 shows an infinity of concentric lines of growth, the interior being composed of transparent quartz, while the outer layers are milky and opaque.

A closer examination of these crystals shews that those edges of the "supplementary prisms" which bound the interspaces are rough, in other words it appears as if these interspaces were due to deficiency of material and not to a peculiar made formation as the words "supplementary prisms" would imply. That the interspaces are not caused by corrosion is clearly shewn by the cross-section in fig. 7 in which the concentric "lines of growth" are seen to follow the present irregularity of the exterior surface.

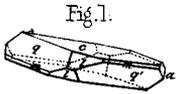


Fig. 1.

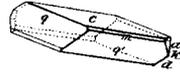


Fig. 2.

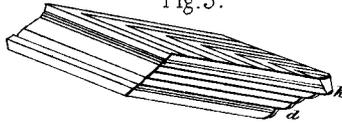


Fig. 3.

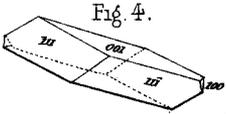


Fig. 4.



Fig. 5.



Fig. 7.

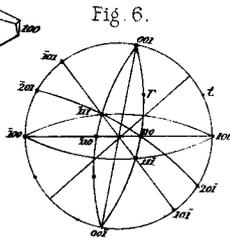


Fig. 6.

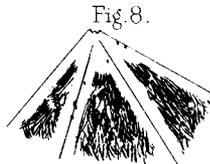


Fig. 8.

Fig. 9.

