tions these minerals, even the refractory quartz, have undoubtedly crystallized out of molten solutions.

In inclusions of a truly vitreous nature, traces of devitrification may not infrequently be seen. In particular, microscopic crystallites (p. 205) make their appearance, like those in the ground-mass of the rock. Sometimes the inclusions, like the general ground-mass, have an entirely stony character (Fig. 11, C). This may be well observed in those which have not been entirely separated from the surrounding ground-mass, but are connected with it by a narrow neck at the periphery of the inclosing crystal. In some granites and in elvans, the quartz by irregular contraction, while still in a plastic state, appears to have drawn into its substance portions of the surrounding already lithoid base; but this appearance may sometimes be due to irregular corrosion of the crystals by the magma. o

d. Crystals and crystalline bodies .- Many com-

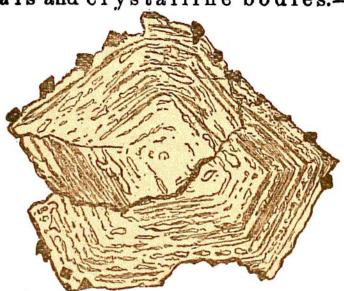


Fig. 12.—Section of a fractured and corroded Augite crystal from a dike, Crawfordjohn, Lanarkshire (magnified), showing lines of growth with vesicles and magnetite crystals.

ponent minerals of rocks contain other minerals (Fig. 12). These occur sometimes as perfect crystals, more usually

J. A. Phillips, Q. J. Geol. Soc. xxxi. p. 338.
Fouqué and Michel-Lévy, "Min. Micrograph."