

one of the varieties of felsite, quartz-porphry, elvanite, aplite or eurite.²⁷

It is in the metamorphosed belt, already (p. 946) described as encircling an intrusive boss of granite, that eruptive veins are typically developed and most readily studied. In Cornwall, for example, the slates around the granite bosses are abundantly traversed by veins or dikes of granite and of quartz-porphry (*elvans*), which are most numerous near the granite (Fig. 291). They vary in width from

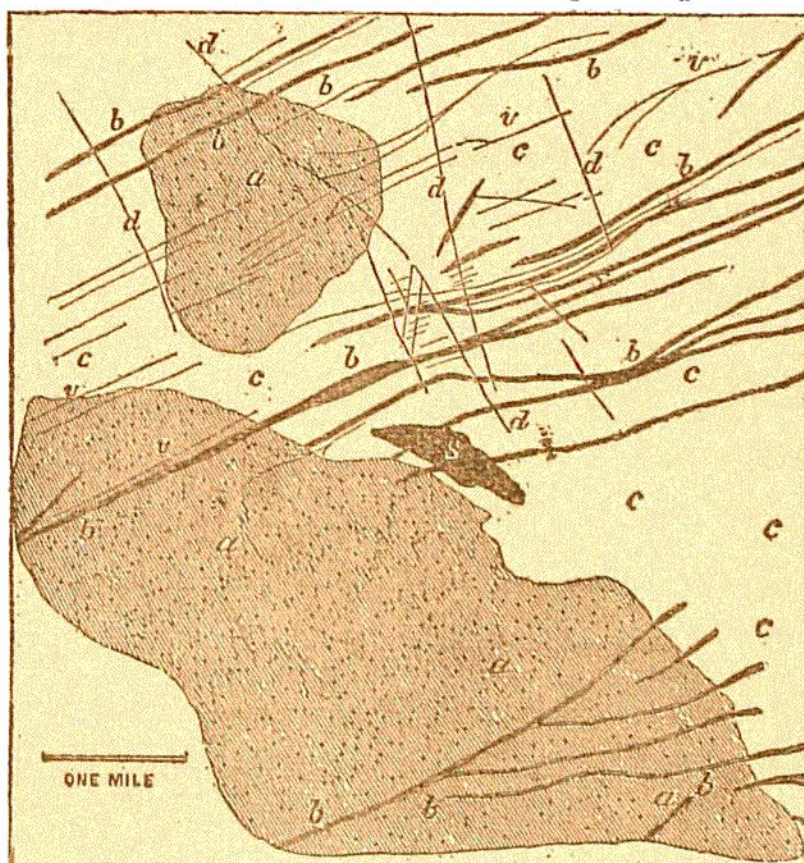


Fig. 291.—Map of part of the Mining District of Gwennap, Cornwall (B).
a a, Granite; *c c*, Schistose rocks; *b b*, Elvan dikes; *s*, "Greenstone"; *v v*, *d d*,
 two intersecting series of mineral-veins.

a few inches or feet to 50 fathoms, their central portions being commonly more crystalline than the sides. They frequently inclose angular fragments of slate (p. 940). In the great granite region of Leinster, Jukes traced some of the elvans for several miles running in parallel bands, each only a few feet thick, with intervals of 200 or 300 yards between them. Around some of the granite bosses of the south of Scotland similar veins of felsite and porphyry

²⁷ See a reference to the Bodegang, ante, p. 277; also Hawes, Amer. Journ. Sci. xx. 1881, p. 244.