

POCKETS WHERE THE DIP CHANGES

It is not an uncommon thing to find an accumulation of ore, a pocket, or a bonanza, in a vein where the dip changes from a steep to a flatter indication. This is often found to be the case in pocket mines, in simple fissure veins, and elsewhere. The bonanzas of the Comstock lode, Nevada, mostly occurred under these peculiar conditions, notably those of the Consolidated Virginia and California.

In the development of most pocket mines it is found that the pockets occur with some regularity—that is, like causes appear to produce like effects, and in some mines this systematic occurrence of bonanzas, or pockets, has been studied and the mapping of these several occurrences has shown that the pockets appear in a zone or shoot within defined limits, and that search for pockets beyond these limits, is not fruitful of good results.

The size of bonanzas, or value of pockets, cannot be anticipated, but often their distribution in the vein or zone can, with a fair degree of certainty. This would indicate that the arrangement is not haphazard, but systematic. These conditions are particularly observable where pockets of gold occur along a fissure which at intervals is intersected by small fissures or veins crossing it in strike and dip.

In some instances a third fissure appears, having approximately the same strike as the main fissure, but a different dip, which results in an intersection of these veins, the bonanzas, or pockets of gold occurring where the three planes intersect each other.

Sometimes one of these planes, instead of being a fissure, is a particular band or stratum of rock (not a vein), as a layer or band of "mineralized" slate, that is, slate heavily impregnated with iron sulphide. In some instances it is a strip of talc schist, probably representing an altered dike.—Mining and Scientific Press.

ST. LOUIS MINE ON DEER CREEK WORKING

General Manager Anthony Mohr, of the Wisconsin Gold Mining company, this morning reopened the St. Louis mine, in the Minersville district, a short distance north of McEwen. The 500-foot adit level will be extended another 100 feet by contract. Supplies for a steady winter's work have been laid in.

Manager Mohr returned yesterday from the St. Louis. "We will rush work this winter to prepare for smelter shipments in the spring," he said.

The Wisconsin company is also successful operating the Nine Strike Extension, an Little Cracker Creek.

A 3500-foot aerial tramway at the Maxwell mine, on Rock Creek, has been completed and the new mill, to replace the one destroyed last spring by a snow slide, is in operation. A heavy force of men is keeping development ahead of the mill.

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