where it shows six feet of ore. The character of the ore and the structure of the saddle-vein is identical with that of the Richardson vein, but for some reason or other the work of sinking has been stopped. The property, however, has been acquired by a strong American Company, who contemplate important mining developments by means of a vertical shaft with up-to-date equipment, and alterations are already in progress. It is reported that the large cyanide plant is to be replaced by a new process of gold extraction and the 60 stamp mill improved and 20 more stamps added.

### Dolliver Mountain Mine.

At Dolliver Mountain, on the same anticline and one mile west of the Richardson mine, Mr. G. J. Partington has, during the last two years, developed in a very skilful manner a succession of large saddle-veins similar to the Richardson.

The exact position and direction of the anticline and the structure and value of three superimposed anticlinal saddle-veins outcropping at the surface were first ascertained by Mr. Partington. These were the Howard, Forge and Partington saddle-veins, measuring respectively 10, 30 and 33 feet vertically on the apex, the former pitching eastward 12° and the latter 16°.

#### *Vertical Shaft.*

A vertical shaft 17 ft. 6 in. by 5 ft. 3 in. in the clear, was then sunk on the anticline, on area 774, at a distance of 400 feet eastward of the cropping of the Partington belt, to intersect the three saddle-veins as well as others underlying at their apex. After going through 55 feet of quick sand, small veins were intersected at depths of 55, 92 and 102 feet, which, although not apparently of workable size, proved the shaft to be exactly on the apex of the fold. At the depth of 130 feet the Partington saddle-vein was intersected. It measures about 33 feet in thickness on the apex, is being developed on the north and south legs, and has yielded about 6000 tons of auriferous ore, highly mineralized, composed of rolls, bunches and stringers of quartz running through a belt of slate and resembling much that of the Richardson mine.

The shaft was on May 25th, 257 feet deep and the company is wisely continuing sinking without interruption, until 1000 feet has been reached. It will thus intersect successively the Forge and Howard veins and a great number of other new underlying saddle-veins, on the apex of the fold, where they are of greater size and value.