

THE WAR EAGLE MINE.

Almost the entire production of the War Eagle Mine has been derived from its "Main Vein" and from a single ore shoot in this vein. This shoot has a dimension of 300 to 450 feet along the vein, and has now been exposed to the sixth level, a depth of 755 feet measured on the vein. It is so located that its median line roughly coincides with the line of the main shaft. As usual, the vein area included within the shoot limits carries pay ore in irregular patches or masses, interspersed with barren material or ore too low in grade for profit. The different pay ore bodies vary in grade from thirty (\$30.00) dollars or forty (\$40.00) dollars down to the pay limit. The structure is somewhat complicated by numerous dykes and faults and by branching of the vein. Moreover, its width in places and the irregular distribution of the pay bodies increases the proportion of development work necessary.

About 640 feet east of the shaft the "main vein" is crossed at an angle of 55 degrees by a smaller vein. In it an excellent ore body, apparently another ore shoot, has recently been discovered. It has a dimension along the vein of 120 feet, an average width of 11.1 feet and has been stoped to the surface 50 feet above. This stope has yielded 5,966 tons, averaging \$23.38 per ton, smelter's gross assay value. A winze has been sunk 60 feet in ore, but the work has not yet gone far enough to prove the limits or continuity of the ore body.

THE MAIN ORE SHOOT.

The proportion of pay ground within the main ore shoot is approximately shown by the following table:

**TABLE SHOWING WIDTH OF STOPES AND PERCENTAGE OF
PAY AREA IN MAIN ORE SHOOT**

December 31st, 1899.

PORTION OF ORE SHOOT.	Area of Stopes. Square Feet.	Stoped Area in percentage of Shoot Area. Approximate.	Average Width of Stopes. Feet.
Block above Level, No. 1 . . .	37,850	78%	5.2
" " " " 2 . . .	45,000	66%	8.1
" " " " 3 . . .	38,480	56%	8.3
" " " " 4 . . .	17,500	42%	8.9
" " " " 5 . . .	12,270	37%	13.2
" " " " 6 . . .	9,280	19%	10.0

NOTE.—On Levels 5 and 6 the Stopes are still being extended. The first four Levels are about worked out, so that the percentages given show the total pay area.