

\$72 24—equal, at present rates, in currency, to about \$180. Pure galena contains 86.6 per cent. of lead. Supposing this to yield 80 per cent., the value of the lead in 2,240 lbs. at 15 cts. per lb., (its present value,) is \$280; making the total present value of the metal in one ton of this galena \$450. Making the same calculations with regard to the other samples, and reducing the metallic lead upon which the assay was made, in the case of the Orchard Vein, back to the form of galena, we have the following table:

IN ONE TON OF GALENA FROM	Ounces of Silver.	Ounces of Gold.	Value of Silver in Coin.	Value of Gold in Coin.	Tot'l Value of Metals in Coin.	Tot'l Value of Metals in Currency
West Lode, dark.....	55.877		\$72 24		\$180 00	\$450 00
" " light.....	35.716		46 18		154 00	385 00
Mean of W. Lode.....	45.798		59 21		167 00	417 50
Orchard Vein.....	51.027	0.9014	65 98	\$18 63	192 50	481 00
Mean of the three.....	47.54		61 43		175 50	438 75

The most interesting result here is, that, notwithstanding the important quantity of gold in the Orchard galena, the superior richness in silver of the dark galenas, from the hanging wall side of the west lode, brings the value of the metals in the latter very nearly up to that of the Orchard Vein.

The discovery of gold, for the first time, in this part of New Hampshire, and in such important quantity, is of great interest, and encourages further examinations of the rocks and minerals upon your property for this metal.

The suggestion to assay these galenas for gold as well as silver, was made by me in consequence of the striking resemblance of this belt of talcose schists and its included veins to certain belts of the same rock, and their included veins, in the gold regions of North