

*I am fully satisfied the Union vein is a true persistent and continuous lode, and will amply reward, with a rich return of metal, a judicious and systematic course of mining,* and the sooner such a system is resorted to the greater advantages will be derived by stockholders or owners. The cautious policy so commonly acted upon by adventurers in mining enterprises of insisting upon extensive surface explorations being made and shallow pits sunk to satisfy the doubts of some timid stockholder of the actual existence of a vein, involves ruinous expense that might have been avoided. And as regards lead mines, all are familiar with their history in Wisconsin and Iowa, and having heard that deposits in those states often are exhausted, fear it may prove so with others. They do not consider there is a difference between a vein of metallic ore, and a deposit or bed lying in a nest conformable with the strata of rocks in which it is found, and that a vein cuts through strata nearly at right angles with their planes. A bed or deposit, if worked, must necessarily become exhausted; a true vein never can be, or at least never has been. Engineers and inspectors, when called upon to examine mines, are also timid (even though satisfied from examination that the lode is rich) in recommending a course of working they would adopt for themselves. They dread the responsibility of recommending an outlay of money by owners that may render them impatient for returns. The Union mine is not such an one as should deter a practical miner from putting in such work as will serve for a long period of time for raising the ore. *I have no fears the vein*