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DISCUSSION OF MINE MAPS.

BY R. S. WEITZEL.

Owing to lack of time I have failed to prepare an article on mine surveying for this meeting, as I wrote the President, some time since, I hoped or expected to do—a fact that I very much regretted until I noticed your very excellent programme announced in the *Ohio State Journal*, a day or two since, without my name, which very much relieved me; but as you seem to have me billed, I will, in lieu of the article I expected to prepare, exhibit a couple of maps of mines in the Hocking Valley region, with a few remarks explaining them.

The maps are not exhibited because of the artistic skill displayed in their execution, but for the purpose of showing what a map properly constructed and the workings put on periodically, as monthly, can be made to show, on the one hand, and what is too generally the case with our maps on the other.

The mine of the Nelsonville Coal and Coke Co., the map of which is here exhibited, has been measured up monthly since it was opened in the summer of '82, and the map presents right on its face the working for each particular month since it was begun; and although much of it is now fallen in, so that it is utterly impossible to get into it, yet we have here a faithful representation of its exact workings, showing every entry, room, break-through, and pillar, as well as the levels through the entries, all from actual measurements taken when the mine was in safe condition, and presenting at a glance just how much of the coal has been mined out and just how much has been lost in pillars. In the other mine we have just the opposite; here a little over a hundred acres of territory has been mined over, or at least it so appears, and is nearly all so badly fallen in as to be absolutely impossible to get into it, and we were obliged to dot the map all over as you see

with, "Could not get in here, *supposed* to be all worked out," and there is no permanent record to show now how advantageously and economically, or otherwise, it has been mined; and just at this very time that information is *very* desirable, and some parties interested in this mine would give, I am satisfied, for a correct map of this mine, showing its actual condition, if it were possible to produce it, all it would cost to have kept the workings measured up monthly and put upon the map, as was done with the Nelsonville Coal and Coke Co.'s mine.
