

has been prepared by Oscar Guttman. There are few operations in mining where a workman can display a higher degree of skill and effect larger economies than in

blasting and also a general loss distributed among many items in the operation of the mine, if the output per miner falls below the estimated average, for the handling of which preparations have been made.

For the most part efficient work in blasting is a matter of experience and good judgment. This cannot be taught in books, but there are some general rules which are fundamental, and in proportion as these are understood and appreciated the work of mining will be conducted with greater system and economy. Unsystematic effort is always wasteful and costly, and system implies the recognition of some definite principles according to which the work is laid out and prosecuted.

(To be continued next week).

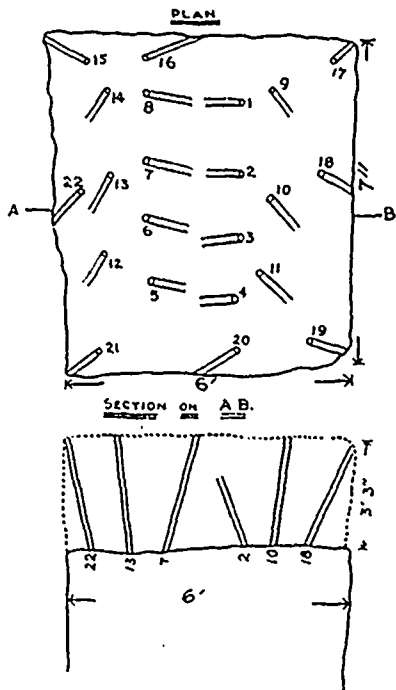


FIG. 6.

the proper placing of bore-holes, and in the proper adjustment of his charges to the work to be done. Against every hole fired is charged a number of expenses, to wit, labor, power (steam or air) where machine drills are used, wear and tear on plant, ex-

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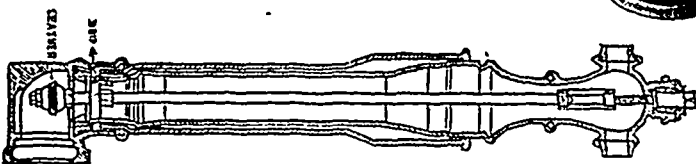
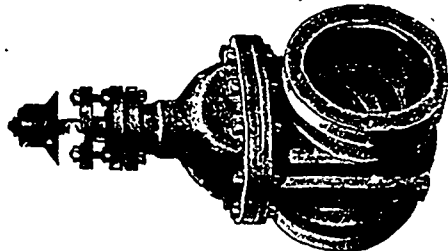
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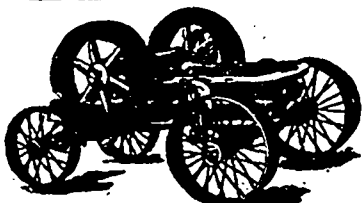
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