

D. B. RITTER.
Millstone Driver.

No. 94,650.

Patented Sept. 7, 1869.

Fig. 1.

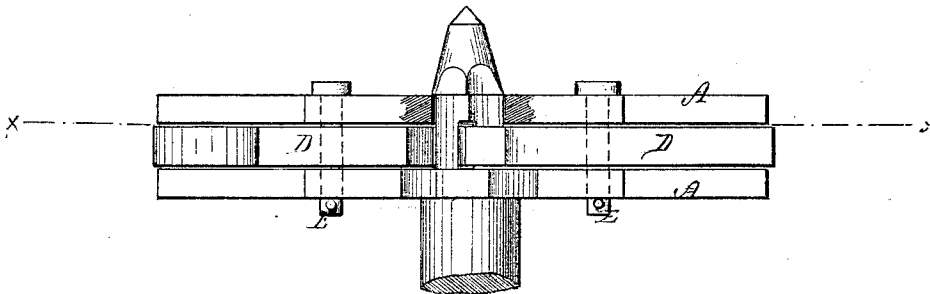
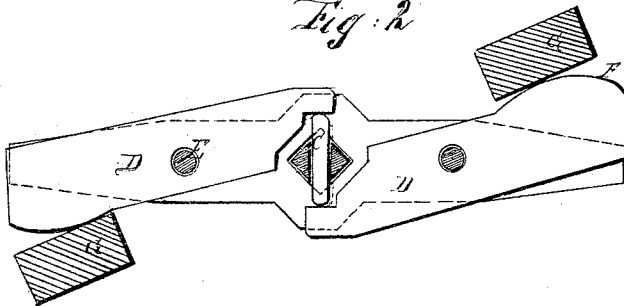


Fig. 2.



Witnesses:

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D. B. RITTER, OF GLASGOW, KENTUCKY.

Letters Patent No. 94,650, dated September 7, 1869.

IMPROVEMENT IN MILLSTONE-DRIVERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, D. B. RITTER, of Glasgow, in the county of Barren, and State of Kentucky, have invented a new and useful Improvement in Millstone-Drivers; and I hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The object of this invention is to provide improvements in the drivers used on the millstone-spindles for imparting rotary motion, whereby they are adapted for applying the power more evenly on both sides of the spindle than can be done by the drivers as now arranged.

Figure 1 represents a side elevation of my improved driver, partly broken out; and

Figure 2 represents a horizontal section of the same, taken on the line *x x* of fig. 1.

Similar letters of reference indicate corresponding parts.

A represents a pair of drivers, similar in shape and construction, except as to thickness, to those now in use.

They are placed on the spindle B, one above the other, so as to leave a space between them, and so as to impart the impelling force of the spindle.

Between these drivers, and at right angles thereto, a mortise passes through the spindle, wherein is placed

a short block, C, capable of sliding freely in the said mortise.

D represents arms, pivoted at E by pins to the said drivers A, in the spaces between them, and so arranged that the outer ends F will project in advance of the ends of the drivers A, so as to bear on the walls of the notches or boxes in the running stone, for driving it, and the rear ends bear against the ends of the blocks Q.

G represents the part of the running stone against which the said pivoted arms bear when in position.

By this arrangement it will be readily seen that the force of the spindle will be applied exactly equal at both ends of the driver, and, thereby, any tendency of the stone to swing, or lateral resistance on the spindle-boxes, will be avoided, for the block C balances the resistance of the outer ends of the arms equally upon the inner ends, sliding one way or the other, as required, to allow both outer ends of the arms D to bear fair upon the stone to be driven.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The combination with the rigid drivers A, and the spindle of the pivoted arms D and sliding block C, substantially as specified.

Witnesses:

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