

F. J. BURT & J. S. WHITNEY.

MILLSTONE DRIVER.

No. 190,414.

Patented May 8, 1877.

Fig 1.

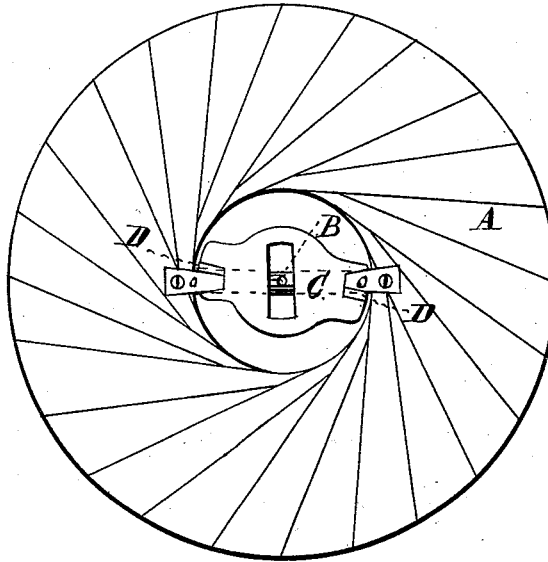


Fig 2



Witnesses.

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UNITED STATES PATENT OFFICE

FRANCIS J. BURT AND JOSHUA S. WHITNEY, OF ROCHESTER, MINNESOTA.

IMPROVEMENT IN MILLSTONE-DRIVERS.

Specification forming part of Letters Patent No. **190,414**, dated May 8, 1877; application filed December 27, 1876.

To all whom it may concern:

Be it known that we, FRANCIS J. BURT and JOSHUA S. WHITNEY, of Rochester, county of Olmstead, and State of Minnesota, have invented Improvements in the Construction of Millstone-Drivers.

The following description, taken in connection with the accompanying plate of drawings hereinafter referred to, forms a full and exact specification, wherein are set forth the nature and principles of the invention, by which the same may be distinguished from others of a similar class, together with such parts thereof as are claimed as new, and are desired to be secured by Letters Patent of the United States.

Our invention relates to grinding-mills; and the nature thereof consists in certain improvements in the construction of the cross-bar commonly known as the driver, by which the motion of the spindle is conveyed to the runner.

In the accompanying plate of drawings—in which corresponding parts are designated by the same letters—Figure 1 represents the under side of a runner having our improvements applied thereto. Fig. 2 is a detached view of the driver.

In said drawings, A designates the revolving upper millstone, usually known as the runner. B is the balance-rynd or iron bar stretching across the eye of the runner, by

which it is poised on top of the spindle. C is the driving-block which sets on the square of the spindle, and the lugs of which bear against the said balance-rynd. Rubber cushions or springs D are fitted in slots cut for their reception in said driving-block, between the said lugs and the balance-rynd, which enable the said runner to oscillate or swing in a manner highly advantageous. Various advantages are obtained by this construction, which will be readily understood by those skilled in the art to which the invention relates without further description.

Having thus described our invention, we claim and desire to secure by Letters Patent of the United States—

The combination of the balance-rynd B, the driving-block C, which sets on the square of the spindle, and the lugs of which bear against the balance-rynd, the rubber cushions D fitted in slots cut for their reception in the driving-block, and the runner A, as and for the purposes described.

In testimony that we claim the foregoing, we have hereunto set our hands this 13th day of December, 1876.

FRANCIS J. BURT.
JOSHUA S. WHITNEY.

Witnesses:

CHAS. M. START,
A. E. SAMUEL.