W. JOHNSON.

MILLSTONE-DRIVER.

No. 190,439. Patented May 8, 1877.

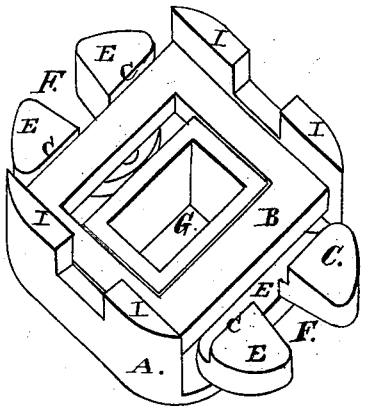

Fig. 1.

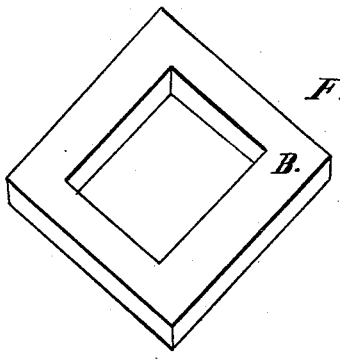

Fig. 2.

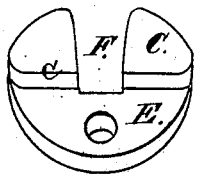

Fig. 3.

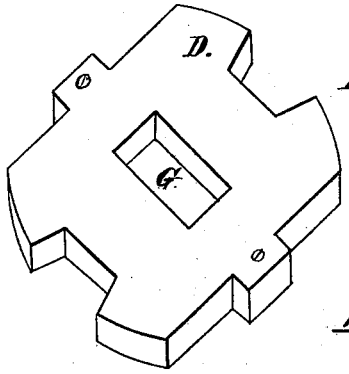

Fig. 4.

WITNESSES:

J. D. Smith

Geo. P. Sherman

INVENTOR:

William Johnson.

UNITED STATES PATENT OFFICE.

WILLIAM JOHNSON, OF MILWAUKEE, WISCONSIN, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN KELNER, OF SAME PLACE.

IMPROVEMENT IN MILLSTONE-DRIVERS.

Specification forming part of Letters Patent No. **190,439**, dated May 8, 1877; application filed December 26, 1876.

To all whom it may concern:

Be it known that I, WILLIAM JOHNSON, of Milwaukee, in the county of Milwaukee, in the State of Wisconsin, have invented certain Improvements in Millstone-Drivers, of which the following is a specification:

My invention has for its object the driving of millstones, and keeping them perfectly in balance. It is a driver so arranged that when one side of same catches against the side of the bail it adjusts itself so that the other side of the same catches also.

Figure 1 is a perspective of my invention with the top removed. Fig. 2 is a perspective of the link alone. Fig. 3 is a perspective of one of the driving-blocks. Fig. 4 is a perspective of the top.

A represents the frame of the driver, which has a suitable hole, G, through its center for passing down over the mill-spindle, and the flanges I on opposite sides, to hold the other parts in position. Pivoted upon the top of this frame, between the flanges I, and on opposite sides of the hole G, are the two blocks E, which have the openings F made in their outer projecting edges, so that the blocks will catch over the bail of the stone. These blocks, being pivoted upon projecting pins upon the top of the frame, and not being wide enough to fill the space between the flanges I, can oscillate from side to side. Upon the top of each block are formed the shoulders C, and the space between the shoulders on the blocks and the flanges I on the sides of the frame forms a recess, in which is placed the link B. Over the top of this link is placed the cover D, so as to keep all the parts in position, and which has a corresponding hole, G, through it, to let the spindle pass through.

The operation is as follows: The driver is placed upon the spindle, so as to turn with it; and as the driver turns, it turns the stone with it. As the block E strikes the bail on one side of the stone, the shoulders C of the block push the link B against the shoulders of the block on the other side of the driver, and this block strikes against the bail on that side. In this way both sides of the driver take up at once and turn the stone steadily, and keep it always nicely balanced.

I claim as new and as my invention—

1. In a millstone-driver, the combination of the frame A, having the flanges on two of its edges to hold the other parts in position, the pivoted blocks C, link B, and cap D, for holding the parts together, substantially as shown.

2. The pivoted blocks C, having the openings F, to catch over the bail, and shoulders, between which the link B lies, substantially as set forth.

WILLIAM JOHNSON.

Witnesses:

J. B. SMITH,

GEO. P. SHERMAN.