

P. PLAMONDON.
Millstone Bearing.

No. 106,283.

Patented Aug. 9, 1870.

Fig. 1.

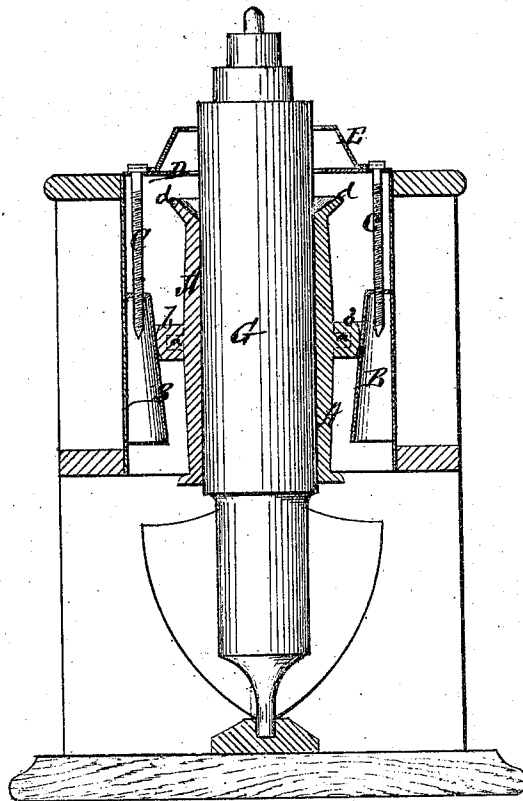
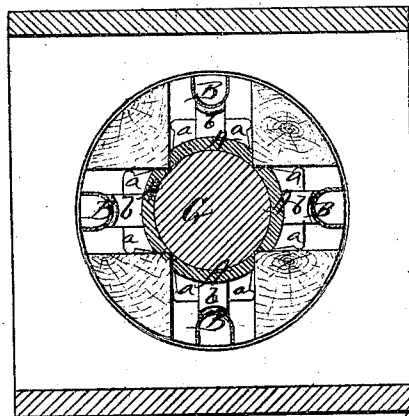


Fig. 2.



Witnesses:

C. L. Ewert
W. H. Harris

Inventor:

P. Plamondon
per Alexander Mason
Atty.

United States Patent Office.

PETER PLAMONDON, OF ATCHISON, KANSAS.

Letters Patent No. 106,283, dated August 9, 1870.

IMPROVEMENT IN MILLSTONE-BEARINGS.

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, PETER PLAMONDON, of Atchison, in the county of Atchison and in the State of Kansas, have invented certain new and useful Improvements in Millstone-spindle Bearings; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a universal and self-adjusting bearing for millstone spindles, upright shafting, and other purposes.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a vertical section, and

Figure 2 is a horizontal section of my invention.

My device consists of four metal followers, A A, key B B, bolts C C, and two covers, D E.

The followers A A have lugs, *a*, on each side, and a proper clearance in bush, and a back center, *b*, bearing on the keys B B in a concavo-convex form.

The keys B B are of a proper taper and half-round, and adjustable by means of the bolts C C from the top.

These keys, bearing on the back center *b* of the followers, allow them to adjust themselves to the spindle, and form a perfect bearing at any point the spindle may be placed or trained, as may be required.

The followers having their outer bearing against the keys, the spindle G can be moved by adjusting two keys from one side of the bush to the other, and still have a perfect bearing, which cannot be done with any followers now in use, and which is the great

advantage I claim in my universal self-adjusting followers.

At the upper ends of the followers B B are flanges *d*, which form an oil-cup around the spindle, to assist in lubricating.

The lower cover or ring D, to support the bolts C C and cover the oil-cup in the bush, also prevents the followers from rising while being adjusted by the keys or at work.

The top cover, E, is for tallow, and also made to fit the bolt-heads, preventing them from turning while the spindle is at work.

This device may be used on all upright shafting, &c.

Having thus fully described my invention,

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

1. The followers A A, provided with flanges *d* and back center bearings of concavo-convex form, to make them universal and self-adjusting, substantially as and for the purposes herein set forth.

2. The tapering half-round keys B B, operated by means of the bolts C C, substantially as and for the purposes herein set forth.

3. The universal and self-adjusting followers A A, in combination with the keys B B, bolts C C, and covers D E, all constructed and arranged to operate substantially in the manner and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 1st day of March, 1870.

PETER PLAMONDON.

Witnesses:

WM. BOWMAN,
SAML. BRAUND.