

R. T. JENNINGS, Sr.

MILL-BUSH.

No. 190,048.

Patented April 24, 1877.

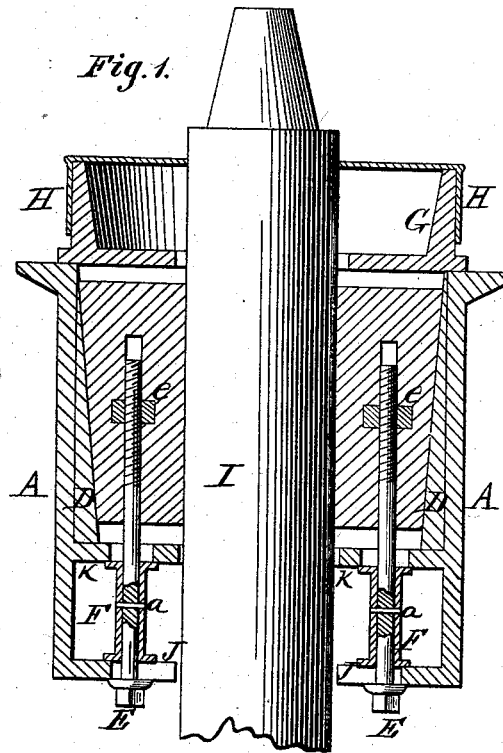
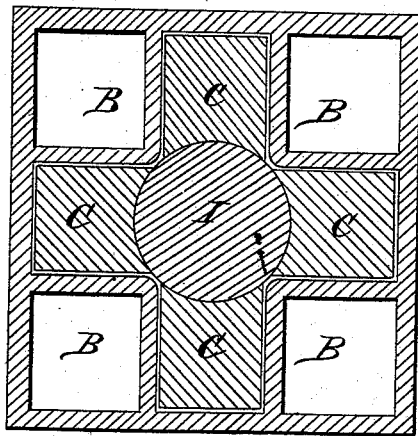


Fig. 2.



WITNESSES

Henry N. Miller
C. L. Evert By

INVENTOR

R. T. Jennings, Sr.
Alexander Massey
Attorneys

UNITED STATES PATENT OFFICE.

REUBEN T. JENNINGS, SR., OF RICHMOND, VIRGINIA, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN B. CRENSHAW.

IMPROVEMENT IN MILL-BUSHES.

Specification forming part of Letters Patent No. 190,048, dated April 24, 1877; application filed March 26, 1877.

To all whom it may concern:

Be it known that I, REUBEN THOMAS JENNINGS, Sr., of Richmond, in the county of Henrico, and in the State of Virginia, have invented certain new and useful Improvements in Mill-Bush; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction of a frame for holding mill-bushing, and the means of moving said bushing, the peculiarities of which will be hereinafter more fully described.

In the accompanying drawings, making part of this specification, Figure 1 represents a vertical section, and Fig. 2 a cross section, of my invention.

In the figures, A represents a square metallic case, which surrounds the bushing. In the four corners of this case are four square boxes, B B. These may be made solid, but are made in box form, thus making the case less expensive and lighter. Between the boxes B B are placed the wooden bushing-blocks C C, which have their faces concave, to fit the shape of the spindle I. The case immediately back of the blocks C C is either made wedge-shaped or is provided with stationary wedges, as seen at D D. *ee* represent nuts, which are inserted in the blocks C C. E E are screw-bolts, which pass through flanges J J of the case, then through the bottom of the case, and then into the nuts *ee* in the blocks. F F represent sleeves, which sur-

round the bolts E E between the bottom K and the flanges J J, being secured by pins *a a* to said bolts. G represents a large grease or oil box upon the top of the frame, and H represents a close cover to the same. I is the spindle, which stands between the blocks C C.

The object of the screw-bolts is to keep the blocks in proper position, and to draw them down as they wear, so that they will fit snugly against the spindle. The blocks may be made slightly tapering on their backs, to fit the taper of the wedges D.

By this arrangement the blocks can be raised or lowered by means of the bolts, and the spindle bushed and regulated while the mill is in operation. Sufficient grease may be placed in the chamber G to last for a long while.

Having thus fully described my invention, what I claim is—

1. The bolts E E, and sleeves F F secured to same, in combination with the blocks C C and their nuts *ee*, as and for the purpose set forth.

2. The combination of the case A, wedges D D, bush-blocks C C, bolts E E, the flanged sleeves F F, secured to the bolts by the pins *a*, and the nuts *ee*, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of January, 1876.

REUBEN T. JENNINGS, SR.

Witnesses:

W. B. HERSMAN,
JNO. H. HAMPTON.