

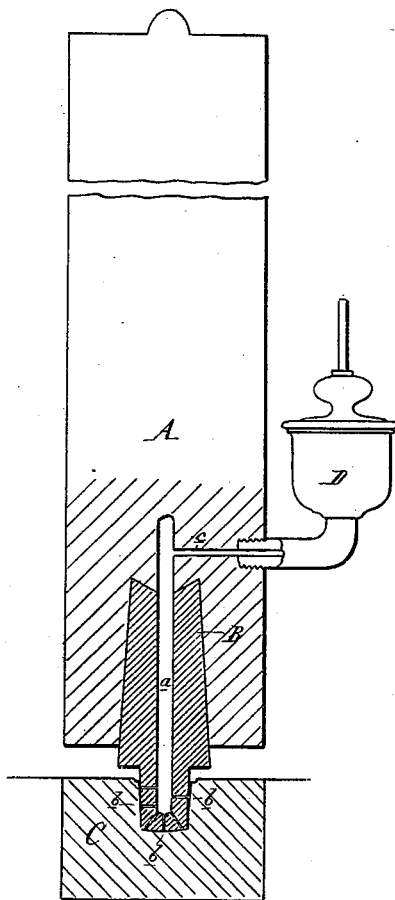
(No Model.)

H. T. MASON.

BEARING FOR MILL SPINDLES, &c.

No. 262,805.

Patented Aug. 15, 1882.



*Attest:*

*A. Barthel*

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# UNITED STATES PATENT OFFICE.

HENRY T. MASON, OF FOXBURG, PENNSYLVANIA.

## BEARING FOR MILL-SPINDLES, &c.

SPECIFICATION forming part of Letters Patent No. 262,805, dated August 15, 1882.

• Application filed April 26, 1882. (No model.)

### *To all whom it may concern:*

Be it known that I, HENRY T. MASON, of Foxburg, in the county of Clarion and State of Pennsylvania, have invented new and useful Improvements in Bearings for Mill-Spindles, &c.; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, which form a part of this specification.

10 The nature of this invention relates to certain new and useful improvements in the construction of devices employed for stepping mill-spindles or other upright shafts, and in providing means for lubricating the same; and  
15 the invention consists in the peculiar construction, arrangement, and combination of the various parts, all as more fully hereinafter set forth.

In the accompanying drawing, which shows  
20 my invention as attached to and supporting a mill-spindle in vertical section, A represents the mill-spindle, B my improved toe, which supports such spindle, and C the step. In the lower end of the spindle I drill a hole to receive  
25 the toe, as in the ordinary manner. This toe has a central longitudinal hole, *a*, drilled in it, which extends nearly to its lower end, as shown, and near the base of this hole I drill the radial holes *b* to the periphery of the bearing at that  
30 point. The hole in the spindle is continued

above the upper end of the toe, and is reduced to about the size of the hole *a* in the toe. From this extension I drill a hole, *c*, to the periphery of the spindle, and to and in which I secure a proper oil-cup, D, in any convenient manner. 35  
By this means I am enabled to keep the toe thoroughly lubricated without the necessity of stopping the machinery for that purpose, as the oil passes from the cup down to the base of the toe, and is applied directly to the bearing at a point where it is needed. 40

When it is desired to clean the bearing the oil-cup may be removed and a hose attached, by means of which water or steam may be introduced to thoroughly cleanse the parts. 45

While I have described my invention as applied to a mill-spindle, it is obvious that it can be advantageously applied to any shafting which runs vertically and has its lower end stepped. 50

What I claim as my invention is—

The combination, with the spindle A, the toe B thereof, having perforations *b*, and the channels *a* *c* in the toe and spindle, of the step C and an oiling device, substantially as described. 55

HENRY THOMAS MASON.

Witnesses:

WM. S. GREGORY,  
BENJ. B. NEWTON.