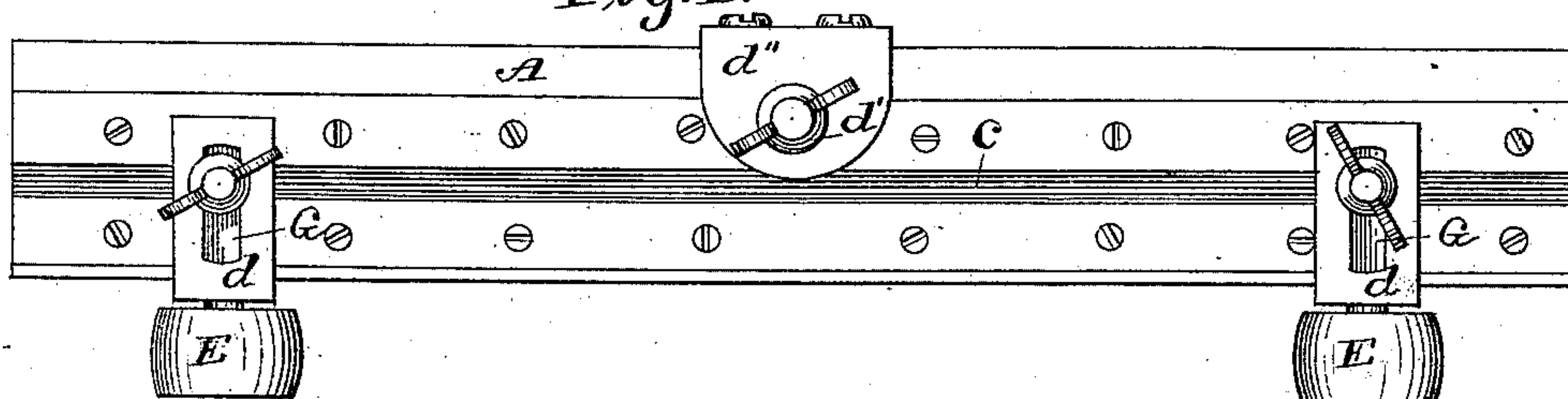


W. LEHMANN.  
Millstone Paint-Staff.

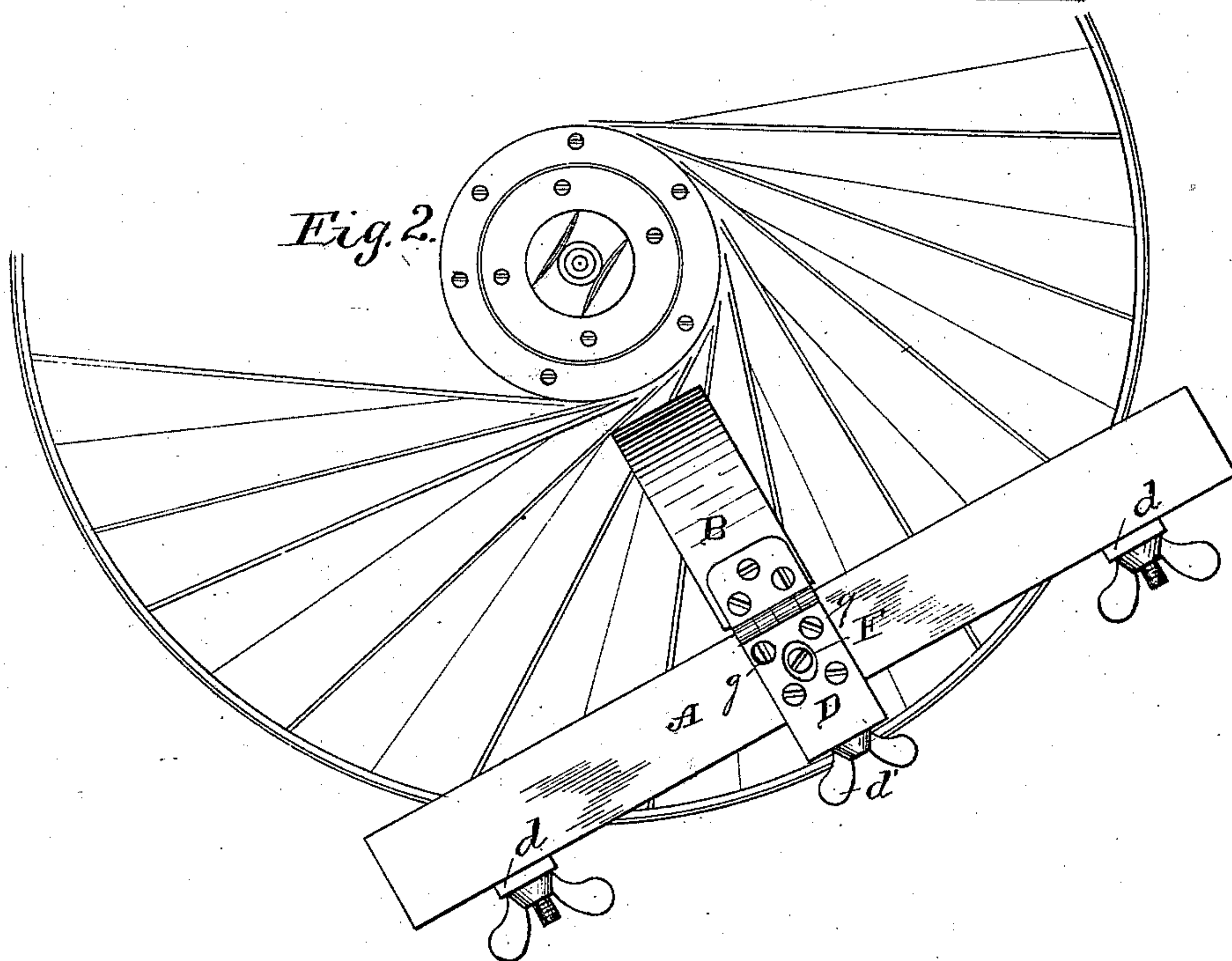
No. 223,853.

Patented Jan. 27, 1880.

*Fig. 1.*



*Fig. 2.*



Witnesses:

Edwin L. Asmus.  
C. Peck

Inventor:

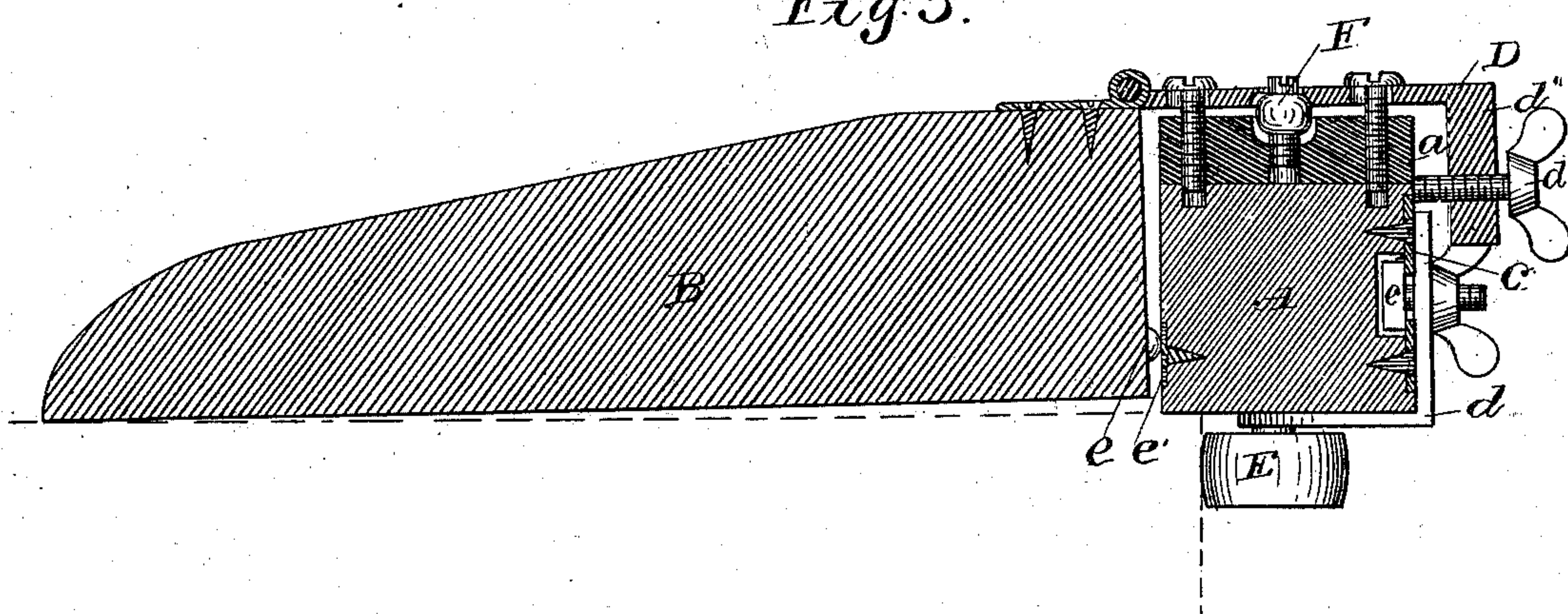
Wm. Lehmann  
per E. H. Bottom & S. S. Stout  
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Fig 3.



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Odwinn G. Asmus.  
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per E. H. Bottom and J. J. Smith  
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# UNITED STATES PATENT OFFICE.

WILLIAM LEHMANN, OF MILWAUKEE, WISCONSIN.

## MILLSTONE PAINT-STAFF.

SPECIFICATION forming part of Letters Patent No. 223,853, dated January 27, 1880.

Application filed October 20, 1879.

*To all whom it may concern:*

Be it known that I, WILLIAM LEHMANN, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Millstone Paint-Staffs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to devices for gaging the bosom of millstones as they are being dressed; and it consists in the bosom-staff hereinafter fully described.

In the drawings, Figure 1 represents a side view of the long member of my bosom-staff; Fig. 2, a top view of my staff in position for operation; Fig. 3, a cross-section of the long member and longitudinal section of the short member.

A is the long, and B the short, member. C is a groove, faced with metal, to receive and hold the heads of a couple of T-bolts, *c c*, by which the roller-brackets are held in place upon the long member. This member A has attached to its upperside and longitudinal center a plate, *a*, having a threaded perforation in its center to accommodate the screw F, and has a like perforation at each corner to receive screws *g g*.

The member B has a plate, D, hinged to the upper side of its rear end, for attaching it to the member A. This plate D has perforations to correspond with those on the plate *a*, and has a flange, *d''*, perforated to receive a set-screw, *d'*.

The central perforation in the plate D is oblong or oval, and is countersunk on its under side to receive the head of the screw F. The other holes in the plate D are larger by a third than the screws which pass through them, to permit of the necessary adjustment after the plates *a* and D have been attached to each other by the screws *g g*.

The short member has metallic projections *e* on the lower part of its hinged end, to bear upon a plate, *e'*, attached to the long member.

To gage the bosom of a stone, the amount

of bosom having been decided upon, the short member B is given the required dip by loosening the screws *g g*, elevating the plate D by means of the screw F, and operating the set-screw *d'*, to allow the weight of the member B to draw the plate D forward, so that its free end may drop the proper distance, the projections *e* acting as a fulcrum.

When the proper adjustment has been obtained and sufficient of the under side of the member B has been covered with fresh paint, the instrument is ready for use as follows: It is placed upon a millstone-blank and the roller-brackets *d d* adjusted with relation to each other so as to carry the point of the member B sufficiently near to the center of the stone. Now, if it be revolved around with the stone, the bracket-wheels bearing upon the periphery, that portion of the member coming in contact with the face of the stone will leave paint-stains upon it, and at all such points the material is to be dressed away until the stains are obliterated. This is to be repeated until a revolution of the staff will fail to leave any paint on the stone.

The amount of bosom necessary in millstones is very slight, and therefore it is only necessary that the screws *g g* should pass through the plate D very loosely to give the proper adjustment, though of course they could be made oblong instead of round.

By this means I am enabled to accurately gage the amount of bosom in dressing a millstone and make it uniform.

What I claim is—

1. The combination, in a bosom-staff for dressing millstones, of the members A and B, hinged to and adjusted with relation to each other as set forth.

2. The combination of member A and plate *a* with member B and plate D, as set forth.

3. The plate D, hinged to member B and attached adjustably to member A, in combination with the described adjusting mechanism, as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WILLIAM LEHMANN.

Witnesses:

E. H. BOTTUM,  
I. N. DANA.