

C. E. GOSHERT.  
Millstone-Balance.

No. 160,317

Patented March 2, 1875.

Fig. 1.

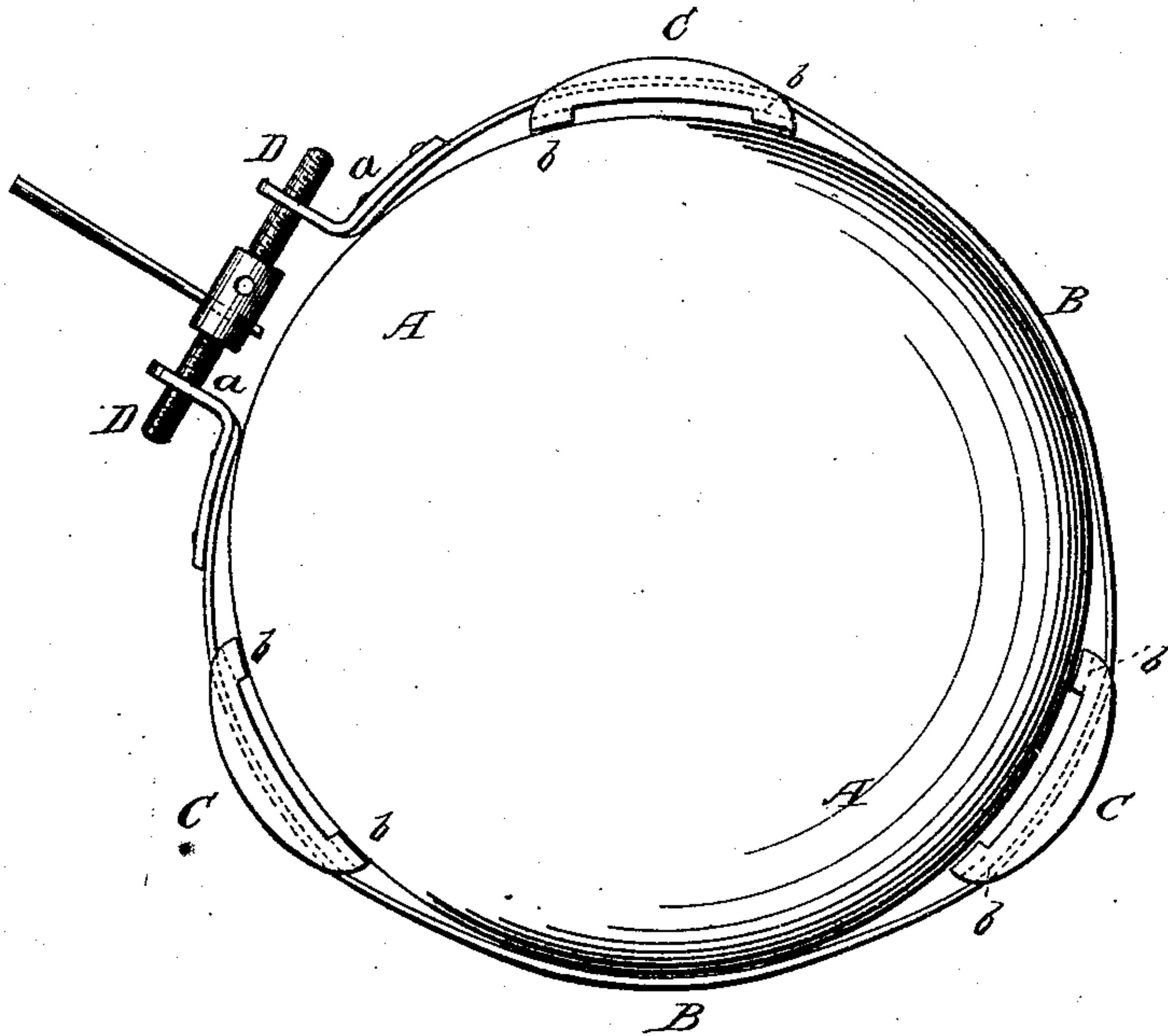


Fig. 2.

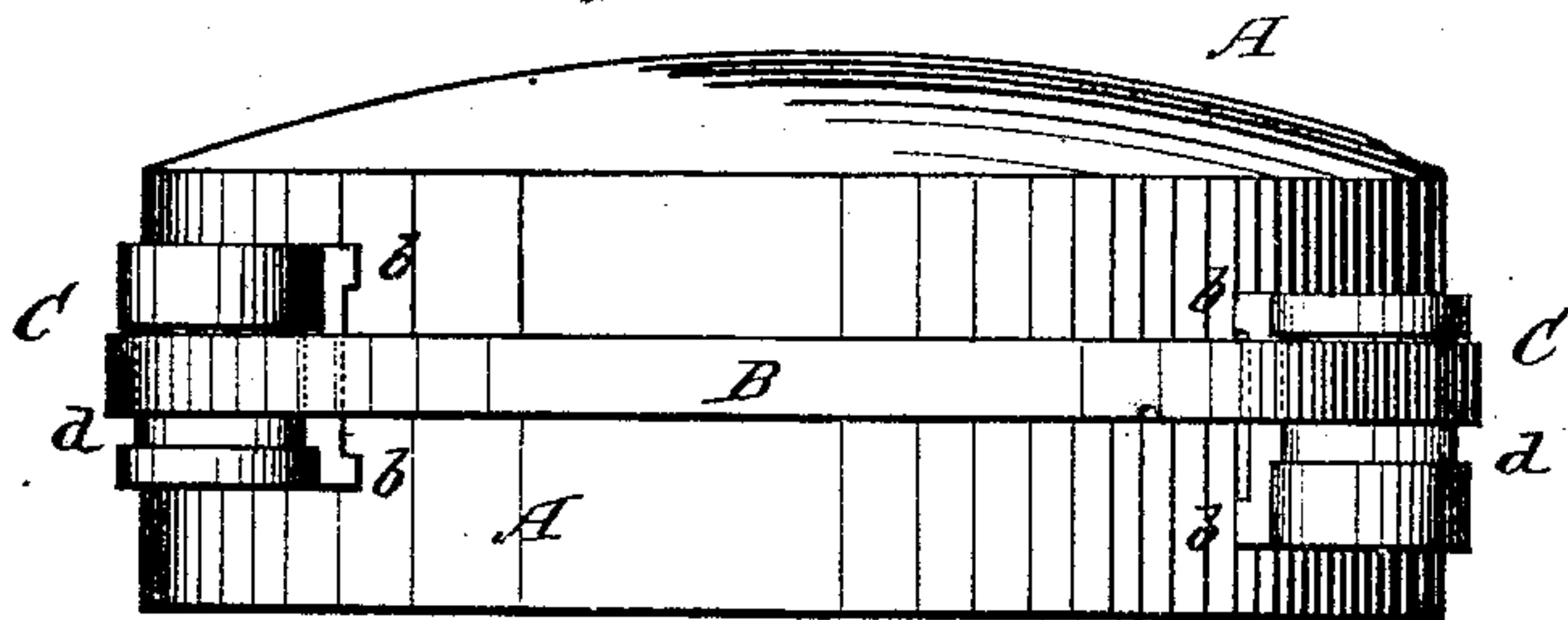


Fig. 3.

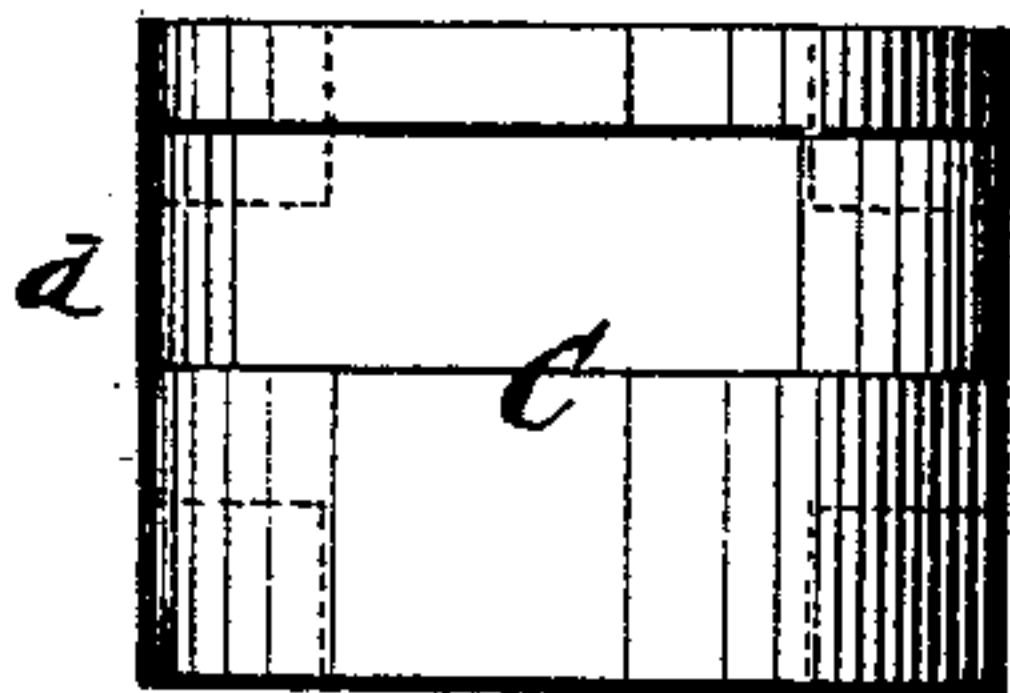


Fig. 4.

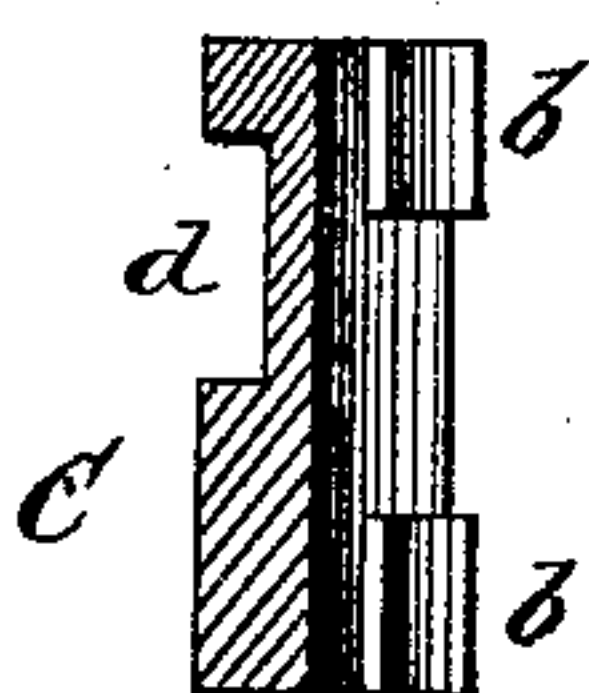
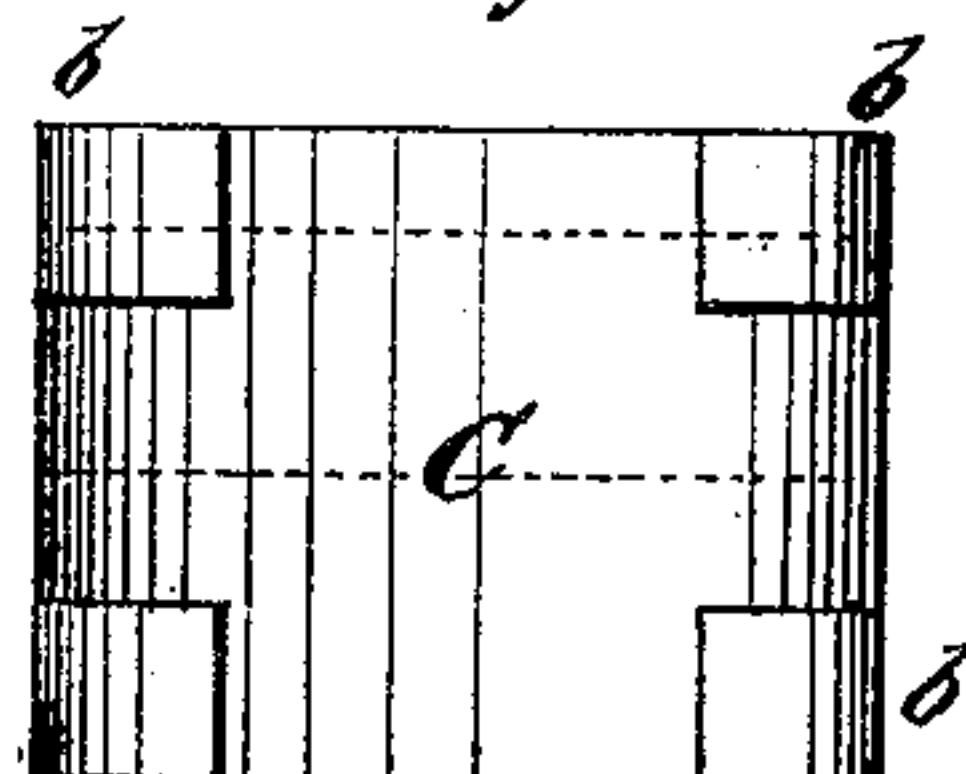


Fig. 5.



WITNESSES:

P. C. Dietrich.  
H. B. Scott.

INVENTOR:

Christian E. Goshert

per.  
C. H. Watson  
ATTORNEY

# UNITED STATES PATENT OFFICE.

CHRISTIAN E. GOSHERT, OF CHAMBERSBURG, PENNSYLVANIA.

## IMPROVEMENT IN MILLSTONE-BALANCES.

Specification forming part of Letters Patent No. **160,317**, dated March 2, 1875; application filed February 9, 1875.

*To all whom it may concern:*

Be it known that I, CHRISTIAN E. GOSHERT, of Chambersburg, in the county of Franklin and State of Pennsylvania, have invented certain new and useful Improvements in Millstone-Balance; and I do hereby declare that the following is a full, clear, and exact description thereof, 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.

My invention relates to that class of millstone-balances in which a series of weights are held to the outer periphery of the stone by means of a band of iron tightened by means of a right-and-left-hand screw passing through nuts formed in the ends of the band; and it consists in the construction of the weights, whereby the burrs may be more easily and permanently balanced, as will be hereinafter more fully set forth.

In the annexed drawing, Figure 1 represents a plan view of a device embodying my invention. Fig. 2 is a side elevation, and Figs. 3, 4, and 5 are details.

A represents an ordinary millstone. C C are the weights. B is the band, with nuts *a* formed at their ends; and D is the right-and-left-hand screw, by means of which the band B is tightened as required. The weights C C are, on their inner sides, provided with slightly-raised projections *b b*, one at each corner, so that nothing of the inner surface but these projections will touch or come in contact with the circumference of the stone. Curved weights made with a smooth even surface, to have them lie with their entire inner surface against the

stone, have been found objectionable, because the slightest imperfection in the stone, or the least grit or other substance getting in between the weight and stone, would prevent it from lying close. This objection is obviated by forming the corner projections *b*, as these will always be even on the stone. The weights can also be moved and adjusted much easier than when the whole surface is in contact with the stone. The outside of each weight is provided with a longitudinal groove, *d*, in which the band B lies, said groove being made nearer one side than the other, so as to make the weight the heaviest at the top, or at the bottom, as desired, by simply reversing the weight, thereby securing unequal equipoise in the running of the stone above or below the line of suspension, at the same time keeping the band in a horizontal line encircling the stone; but to this construction of the outside of the weight, making the same with flanges wider at one end than at the other, I make no claim; but

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The separate weights C, provided on the inside, at each corner, with projections *b*, furnishing rests for the weights against the stone, substantially as and for the purpose herein specified.

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

CHRISTIAN E. GOSHERT.

Witnesses:

HARRY C. SCOTT,  
C. H. WATSON.