

G. W. WILSON.
Millstone Balances.

No. 135,740.

Patented Feb. 11, 1873.

Fig. 1.

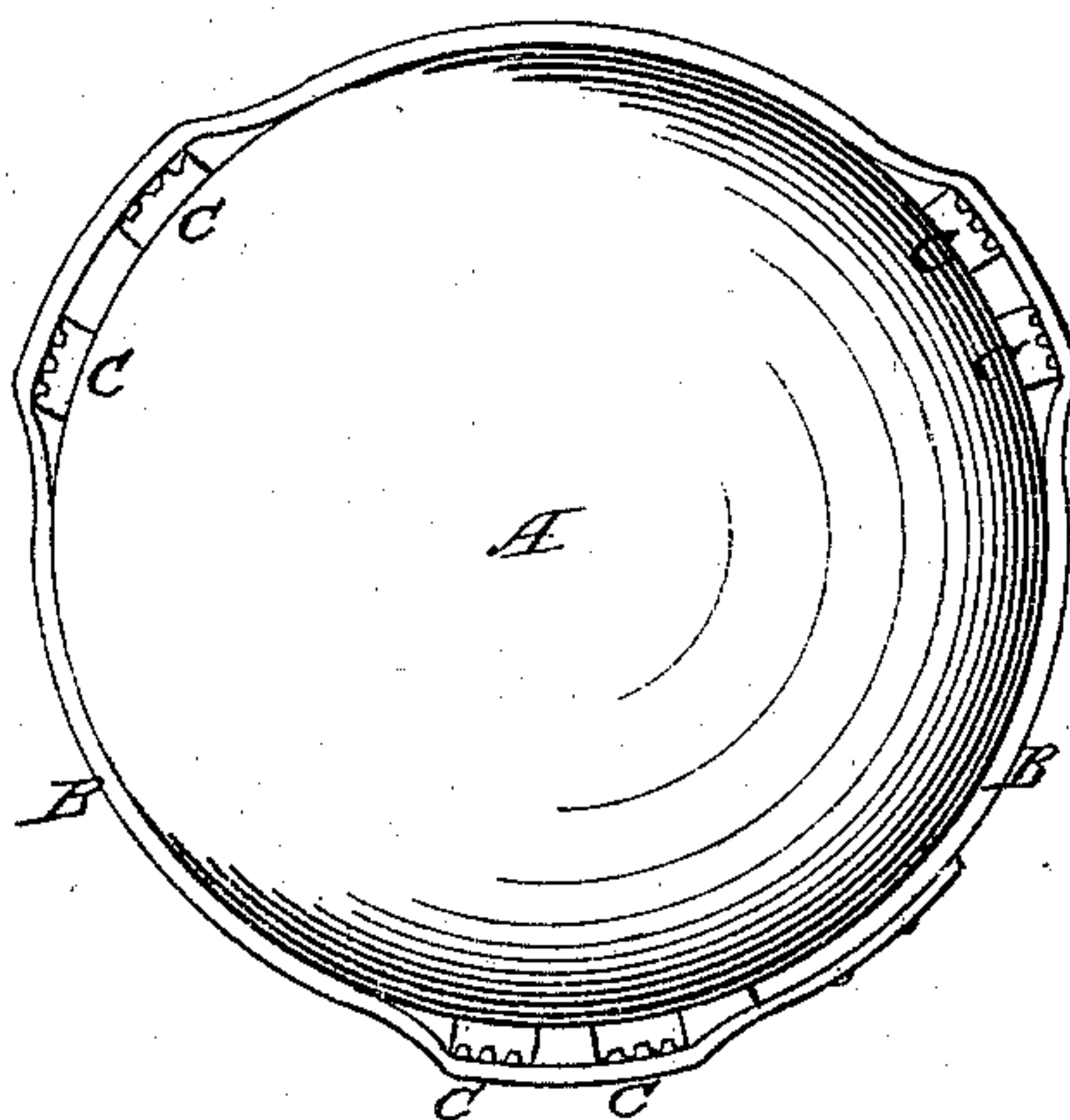


Fig. 2.

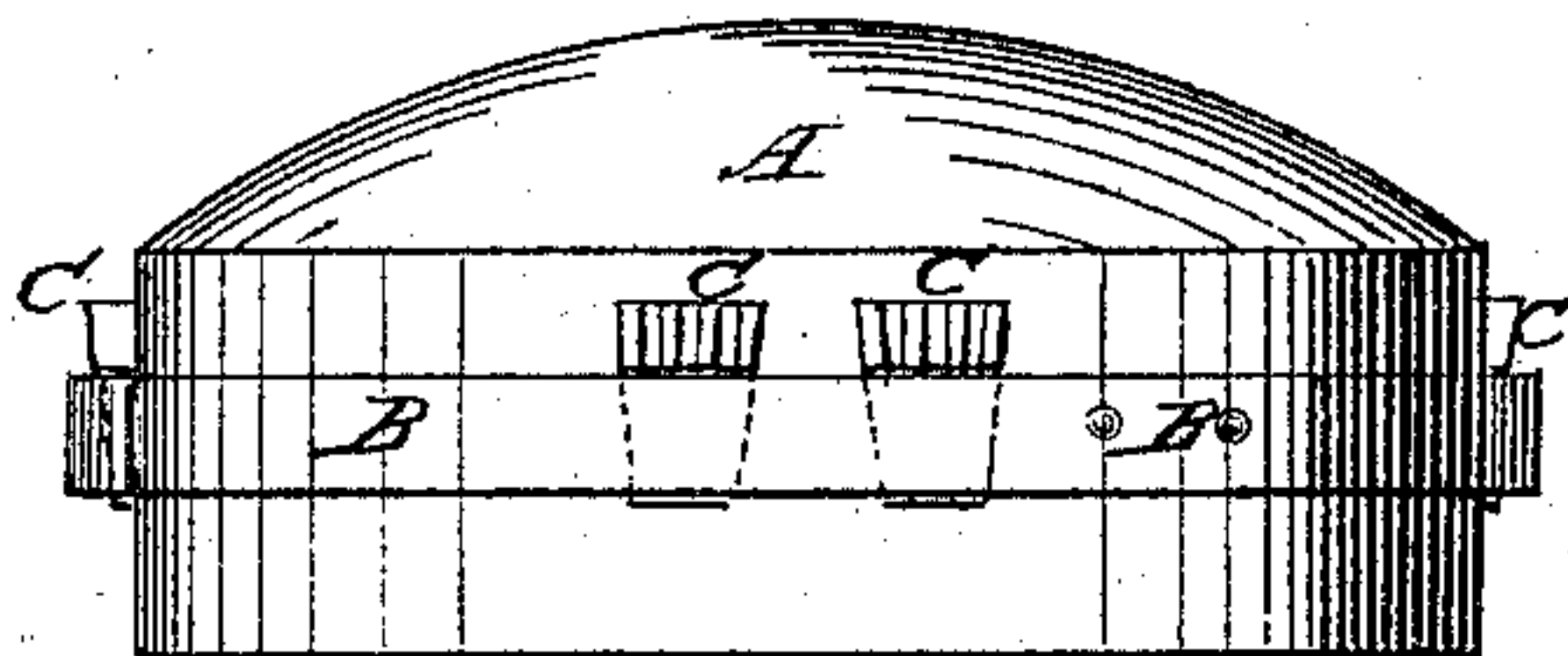
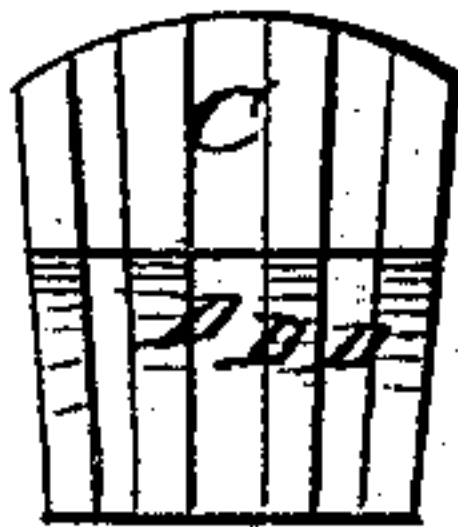


Fig. 3.



Witnesses:

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PER

UNITED STATES PATENT OFFICE.

GEORGE W. WILSON, OF CHEBANSE, ILLINOIS.

IMPROVEMENT IN MILLSTONE-BALANCES.

Specification forming part of Letters Patent No. 135,740, dated February 11, 1873.

To all whom it may concern:

Be it known that I, GEORGE W. WILSON, of Chebanse, in the county of Iroquois and State of Illinois, have invented a new and useful Improvement in Burr-Millstone Balance, of which the following is a specification:

The importance of having the running stone of a grinding-mill perfectly balanced is well understood. This has been accomplished in various ways, but frequently by imperfect means. In this invention I accomplish it by means of a metallic riveted band and a series of adjustable grooved or ribbed metallic weights, the construction and arrangement of which is hereinafter more fully set forth and described.

In the accompanying drawing, Figure 1 represents a top view of a burr-stone, showing my balancing-band and weights. Fig. 2 is a side view. Fig. 3 is a view of one of the weights detached.

Similar letters of reference indicate corresponding parts.

A is the stone. B represents the band. C represents the weights. The band is made by riveting together the ends of a piece of band metal (brass or iron.) It is made larger in diameter than the stone, so that the weights may be inserted, substantially as represented in the drawing. The band is tightened around

the stone by the weights. The weights are somewhat tapering in form, and are made circular on their outer and inner sides, so as to conform somewhat to the circle of the stone and the band. The outer or convex sides of the weights are grooved or ribbed, as seen in the drawing. D represents the grooves or ribs, which extend vertically from top to bottom of the weights.

By grooving the weights or forming ribs thereon, substantially as seen, they do not work out but keep their places.

It will be seen that these weights may be placed in any part of the band, as may be required, to balance the stone.

I do not confine myself to any particular number of weights or manner of adjusting them around the stone.

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

A balance for burr-millstones, consisting of the riveted band B, and the grooved or ribbed weights C, arranged substantially as herein shown and described.

GEORGE W. WILSON.

Witnesses:

J. T. H. TRESPOTT,
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