

H. D. COLEMAN.

REVERSIBLE MILL-STONE AND SPINDLE.

No. 172,847.

Patented Feb. 1, 1876.

Fig. 1

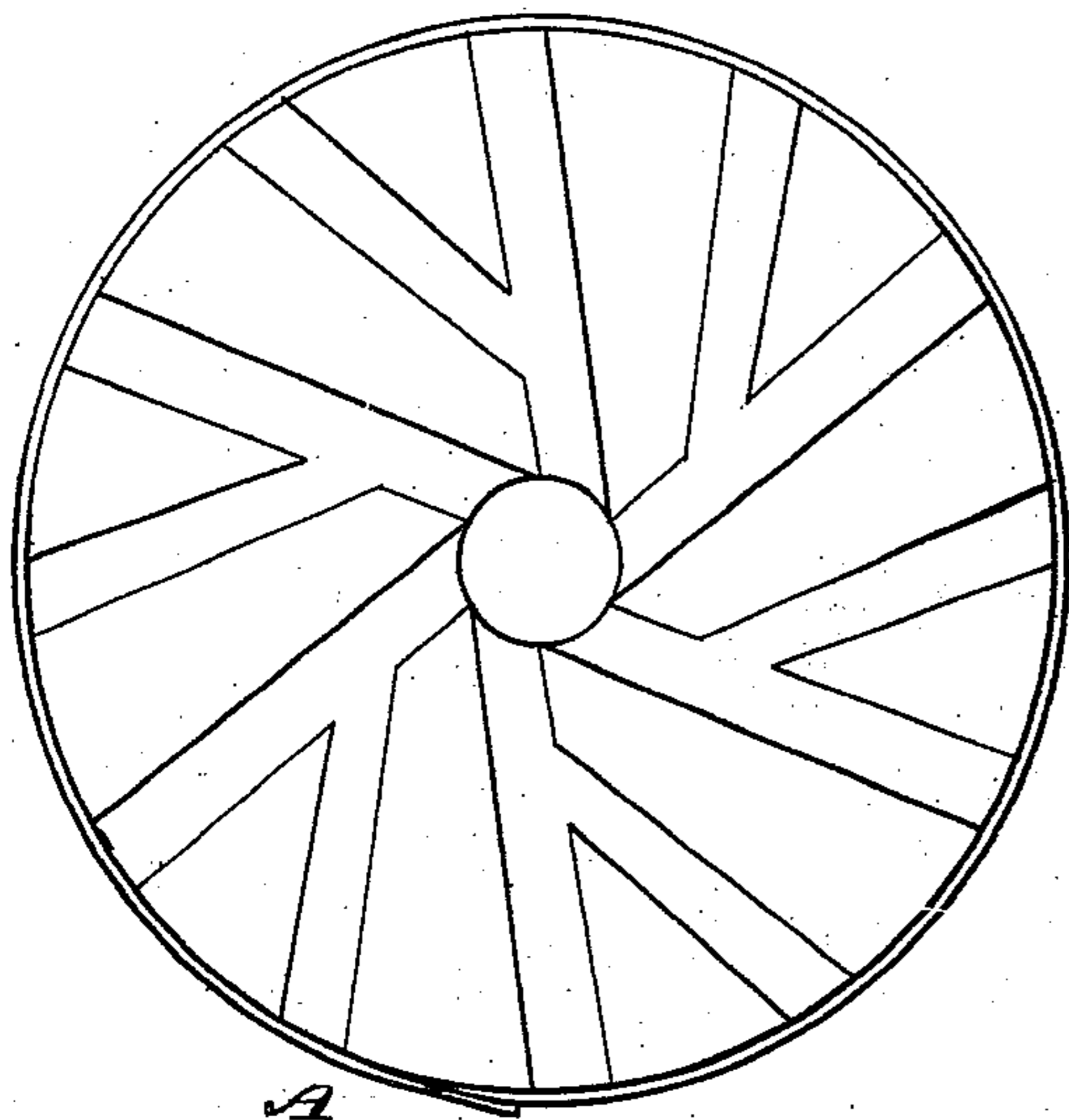


Fig. 2.

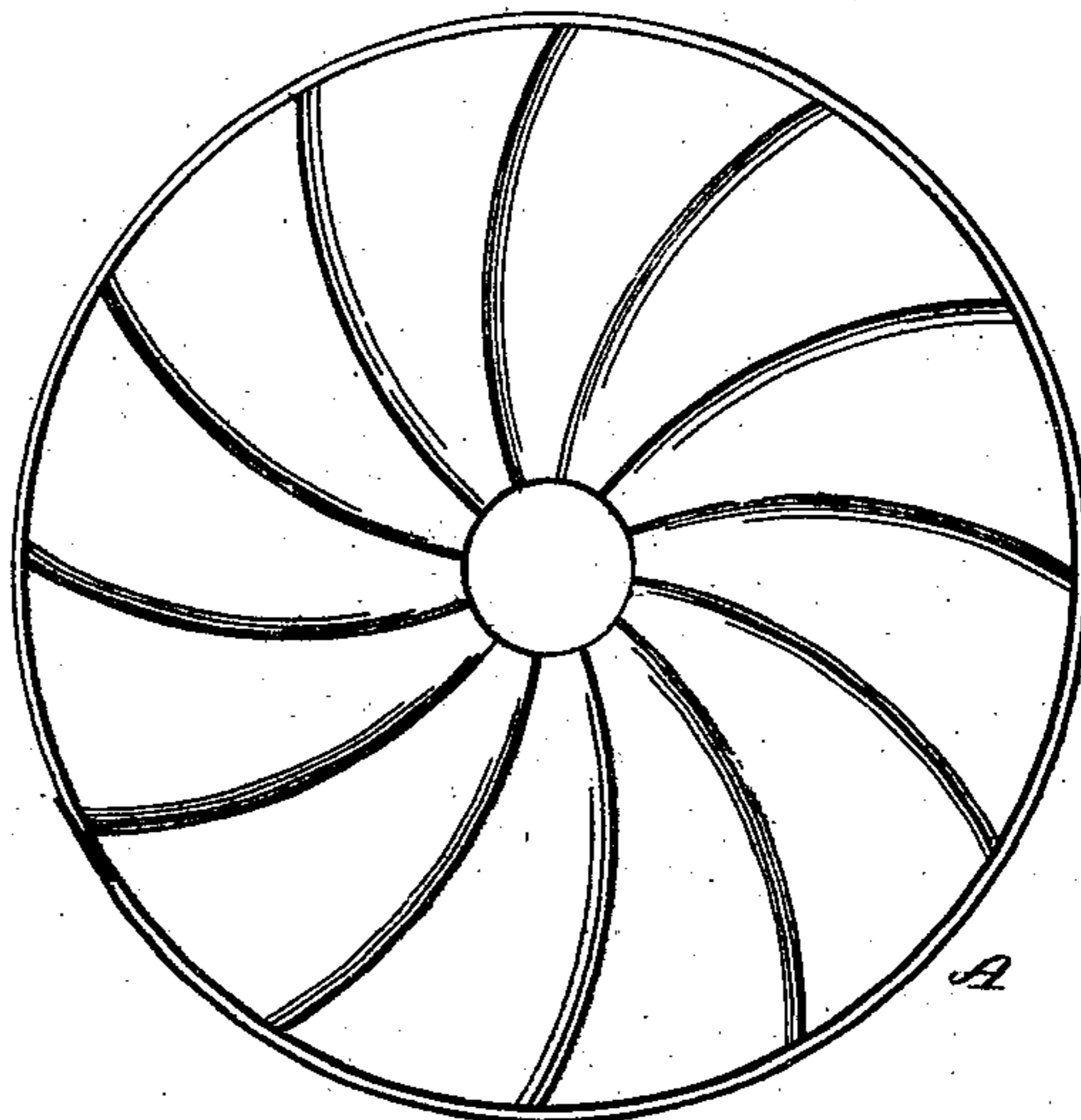
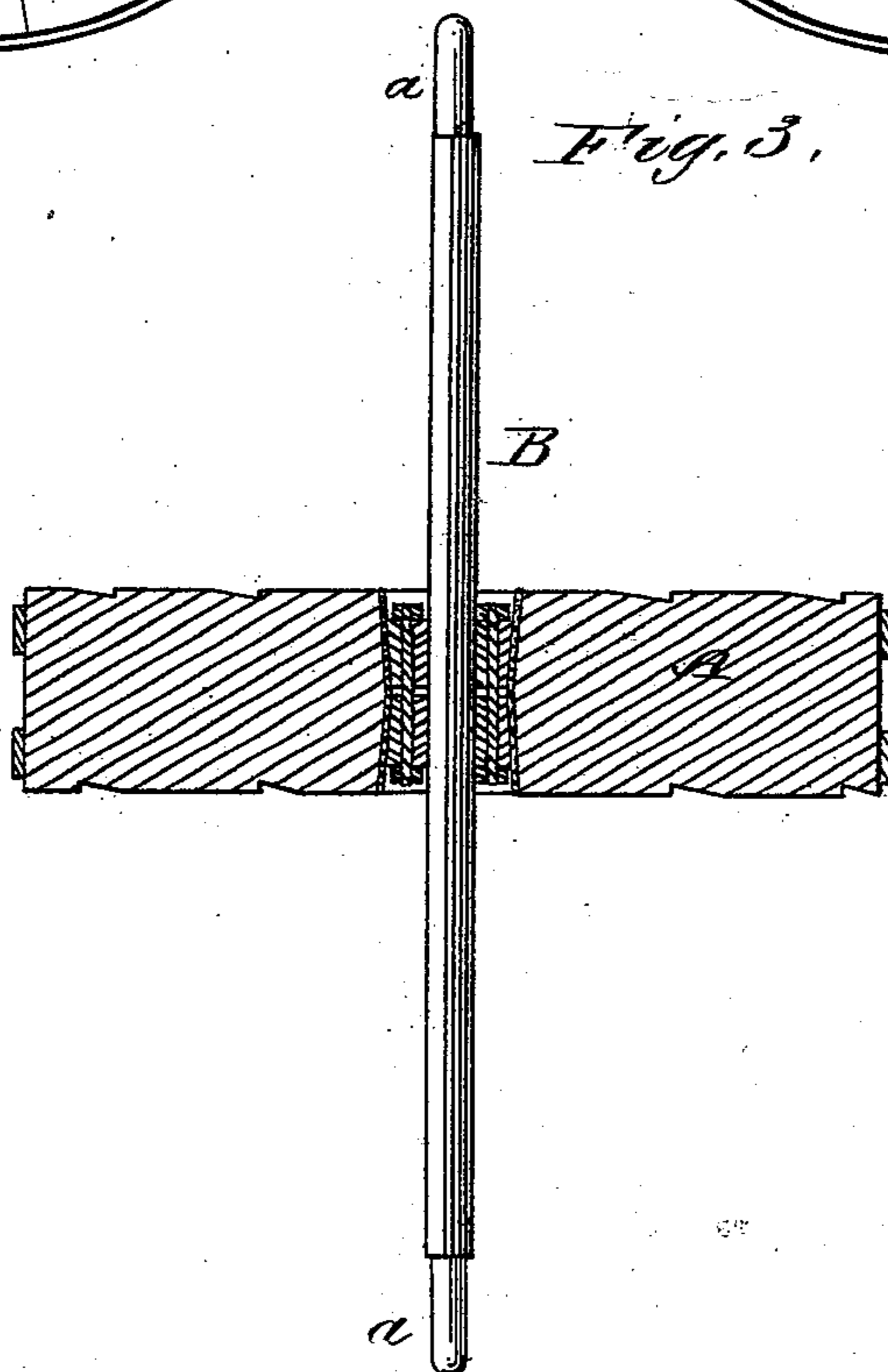


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

HAMILTON D. COLEMAN, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN REVERSIBLE MILLSTONES AND SPINDLES.

Specification forming part of Letters Patent No. **172,847**, dated February 1, 1876; application filed January 5, 1876.

To all whom it may concern:

Be it known that I, HAMILTON DUDLEY COLEMAN, of New Orleans, in the county of Orleans and State of Louisiana, have invented a new and valuable Improvement in Reversible Millstone and Shaft; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a top-plan view of my invention. Fig. 2 is a plan view of the under side. Fig. 3 is a longitudinal vertical section of a stone with my improved spindle attached.

This invention has relation to millstones and millstone-spindles; and consists in a millstone dressed upon both sides, instead of one side, as in the millstones heretofore used, the object being to render the same capable of accomplishing double the amount of work without the necessity of re-dressing the stone—an advantage which is considered of great importance where parties using a mill are not possessed of the facilities or having the experience required to properly dress a millstone.

My invention further consists of a reversible spindle capable of being used either with a millstone dressed upon one or both sides, the object being to increase the service of the spindle to double the service of those now in use having a single foot without the necessity of repairing them.

In the drawing, A is designed to represent a millstone, which may be of any suitable form and material, and is dressed upon both sides, either alike or differently, as may be desired, which, in the latter case, will admit of the stone

being employed in grinding different articles without injury to each other. The spindle, as represented at B, may be rigidly connected to the stone by any of the well-known methods, and may be of any suitable length and form, and having upon both ends a foot, *a*. As the lower end or foot of the spindle becomes worn, and the temper destroyed, it has proved very difficult to properly repair it, while by the employment of a reversible spindle twice the amount of service is rendered without the necessity of being repaired.

I do not wish to be understood as confining myself to any particular form of stone, or any particular form of dress; and it may be applied to both "bed-stones" and "runner-stones," or either of them independent of the other; and I further desire it to be understood that my invention is applicable to a "top-runner" mill as well as an "under-runner" mill, both as to the reversible stone and the reversible spindle.

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

1. A millstone dressed upon both sides, substantially as and for the purpose specified.
2. A reversible spindle for millstones, substantially as and for the purpose set forth.
3. The combination, with a reversible millstone dressed upon both sides, of a reversible spindle, substantially as and for the purpose described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HAMILTON DUDLEY COLEMAN.

Witnesses:

ANDREW HERO, Jr.,
P. A. CONANT.