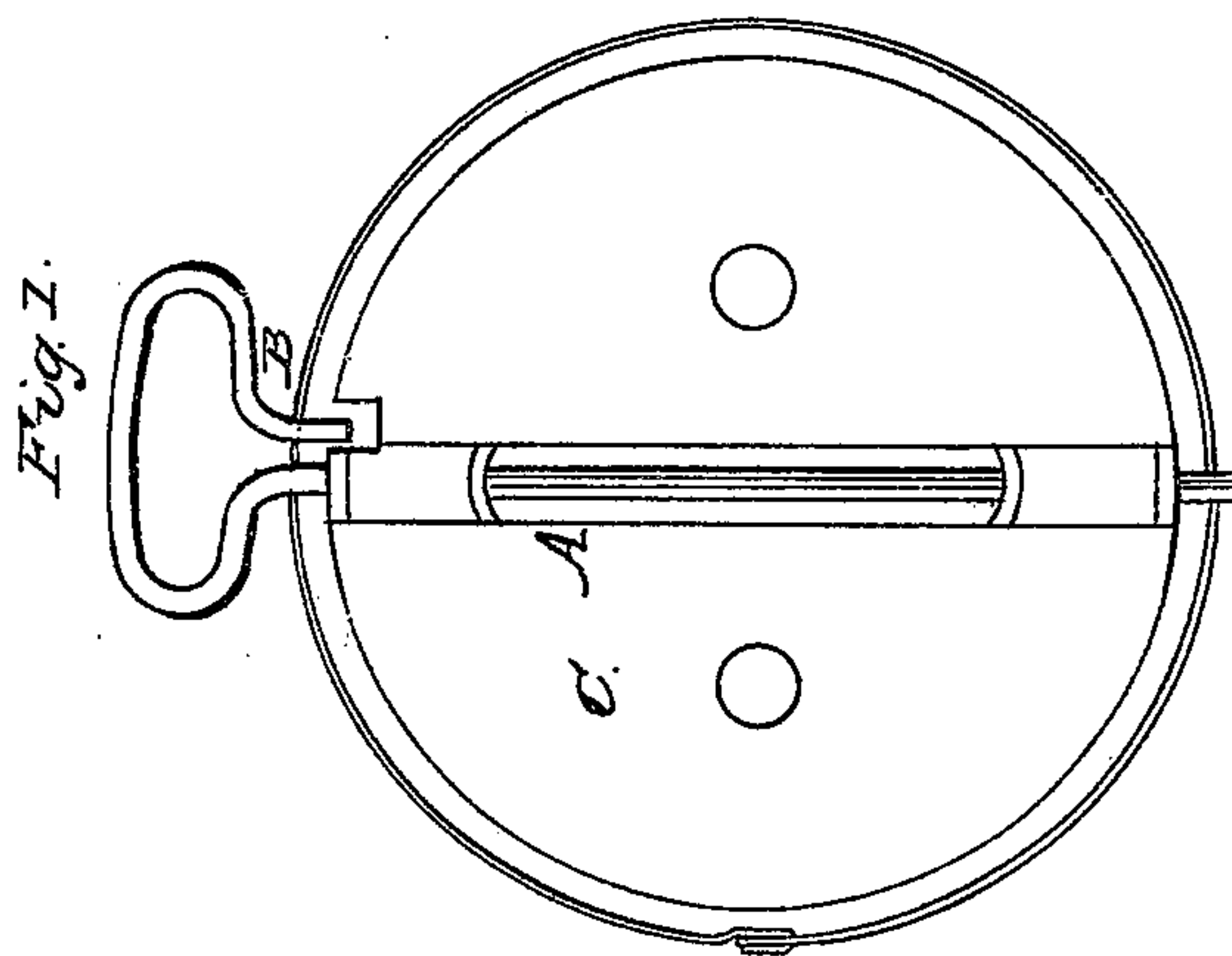


R. M. BRECKENRIDGE.

Stove Pipe Damper.

No. 56,891.

Patented Aug. 7, 1866.



Witnesses

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R. MOSS BRECKENRIDGE, OF WEST MERIDEN, CONNECTICUT.

IMPROVEMENT IN STOVE-PIPE DAMPERS.

Specification forming part of Letters Patent No. 56,891, dated August 7, 1866.

To all whom it may concern:

Be it known that I, R. MOSS BRECKENRIDGE, of West Meriden, county of New Haven, State of Connecticut, have invented a new and Improved Damper; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a sectional view of a stove-pipe, showing the damper-plate shut. Fig. 2 is a sectional view of the damper-plate, showing the manner in which the rod A passes through.

My improvements consist in the manner of attaching to the damper-plate the rod A, by which it is turned, and also in providing a spring, B, on the side of the damper-plate rod, arranged in such a manner as to hold the damper-plate in any situation by the friction of said spring on the side of the aperture in the pipe through which the rod passes. I form this spring in this case by bending the rod A at the top in the form of a ring, and passing the end down into the aperture in the pipe, so that it may, by its tendency to spring outward, press against the side of the aperture, and thus hold the damper-plate in position by its friction.

My other improvement consists in the manner of joining together the rod A and damper-plate by bending it so as to fit the depressions formed in the damper-plate, and the rod and plate are held tightly together by means of the elasticity of the rod, the curvatures of which are compressed when forced into the grooves. In this way, by a single wire rod and a plate, I obtain a simple and perfectly adjustable damper at a very small expense.

Now, having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The rod A, combined and arranged with the damper-plate C, substantially as and for the purposes herein set forth.

2. The spring-handle B, at the upper part of the rod A, combined with the rod A and damper-plate C, substantially in the manner and for the purpose herein shown and described.

R. MOSS BRECKENRIDGE.

Witnesses:

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