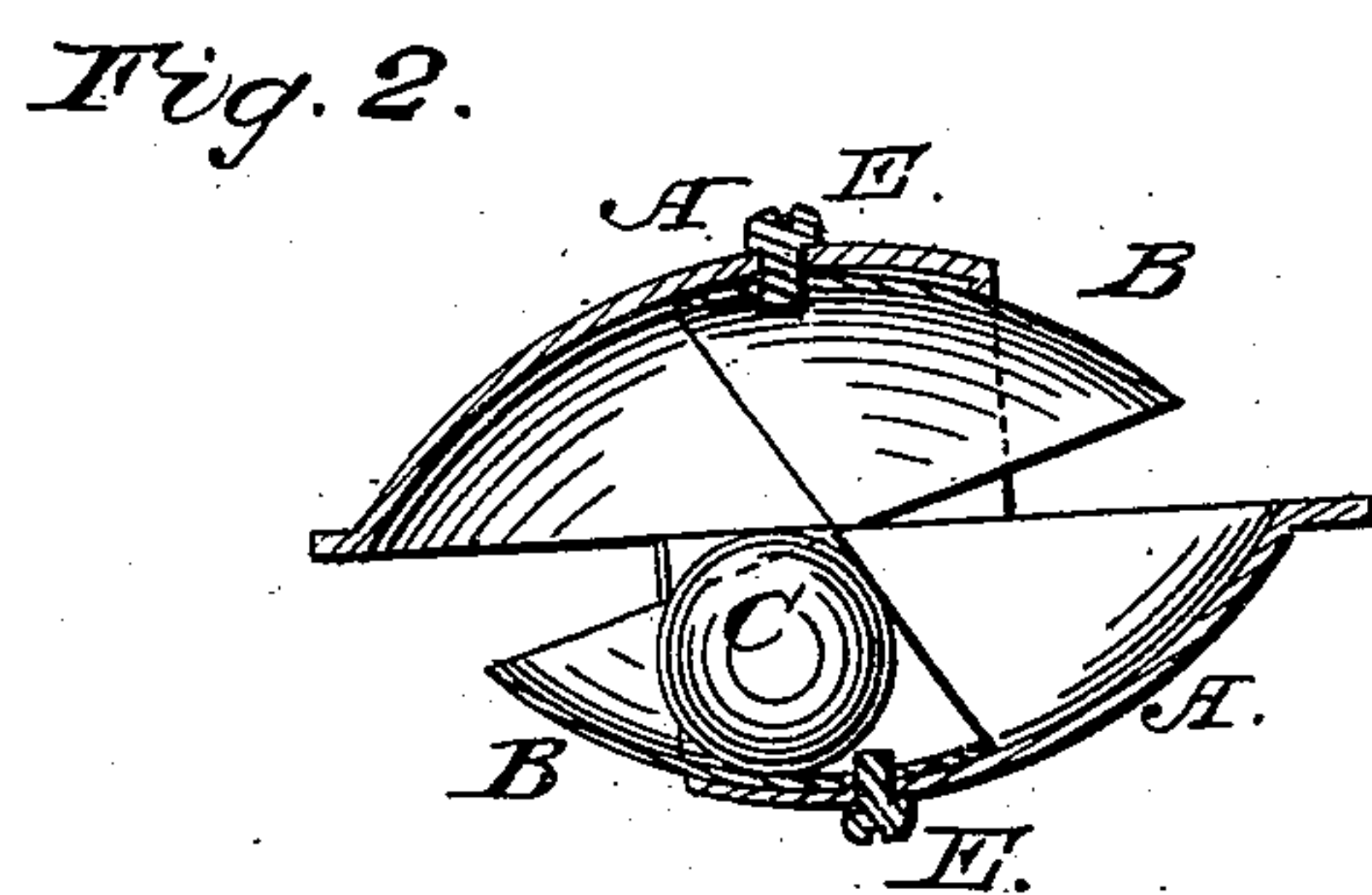
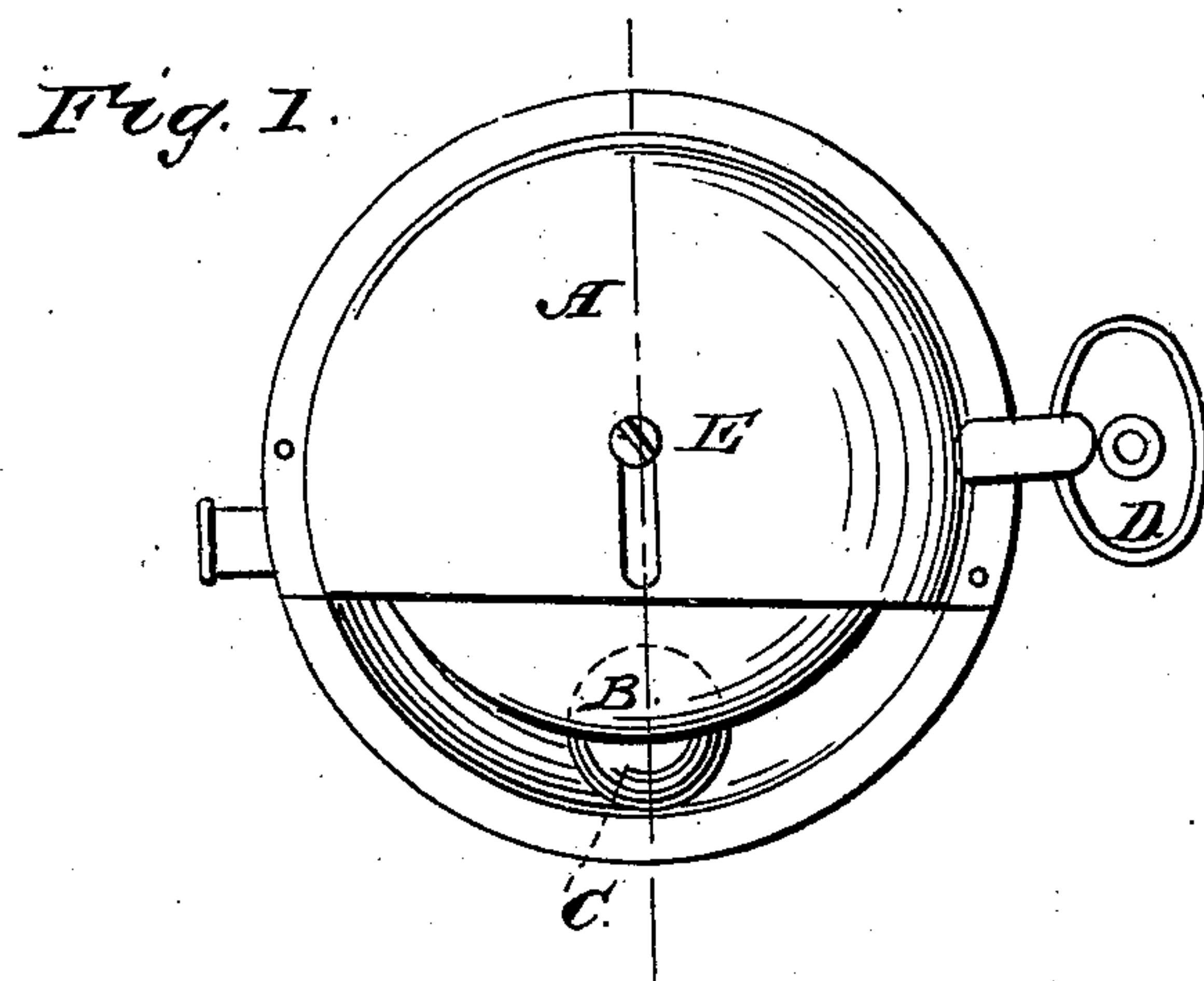


D. SANDERS.  
Stovepipe Damper.

No. 86,943.

Patented Feb. 16, 1869.



Witnesses  
H. S. Look  
J. B. Smith

Inventor.  
David Sanders



DAVID SANDERS, OF MILWAUKEE, WISCONSIN, ASSIGNOR TO H. MALLORY, OF SAME PLACE.

*Letters Patent No. 86,943, dated February 16, 1869.*

**STOVE-PIPE DAMPER.**

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, DAVID SANDERS, of the city and county of Milwaukee, and State of Wisconsin, have invented a new and useful Improvement in Dampers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a flat view of my invention.

Figure 2, a cross-sectional view in the direction of the red line, fig. 1.

Similar letters of reference in each of the figures indicate corresponding parts.

The object of my invention is to provide an adjustable damper, and one that the soot will be cleaned from by its own action.

A is the main shell of the damper.

B, adjustable leaves.

C, the cleaning-ball.

D, the handle of the damper.

E, the adjustable screws.

*Operation.*

Put the damper in the stove-pipe, the same as any other damper.

Then adjust the side leaves, so as to let any amount of smoke pass through it, by leaving the leaves open more or less, according to the draught of the chimney.

When open just right, set up the screws E, which will hold the leaves firmly in place.

As the damper is closed or opened, the ball will roll from side to side, and clean out the soot that will accumulate.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A damper, when constructed with an outer shell, A, leaves B, and screws E, substantially as described

2. A hollow damper, with ball C inside to clean it substantially as described.

DAVID SANDERS.

Witnesses:

H. S. LOOK,

J. B. SMITH.