

J. JOHNSON.
Stove Damper.

No. 79,836.

Patented July 14, 1868.

Fig. 1.

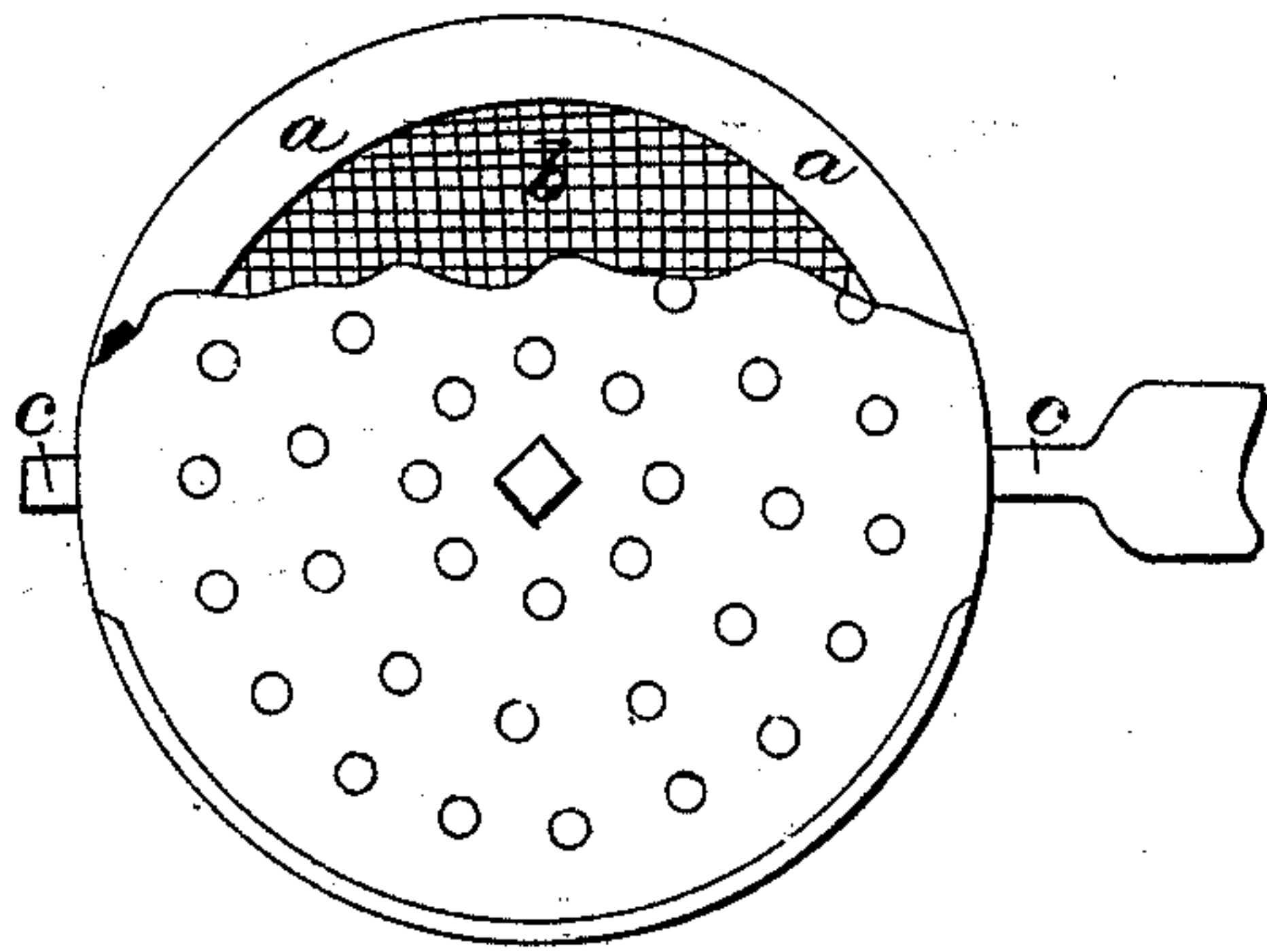
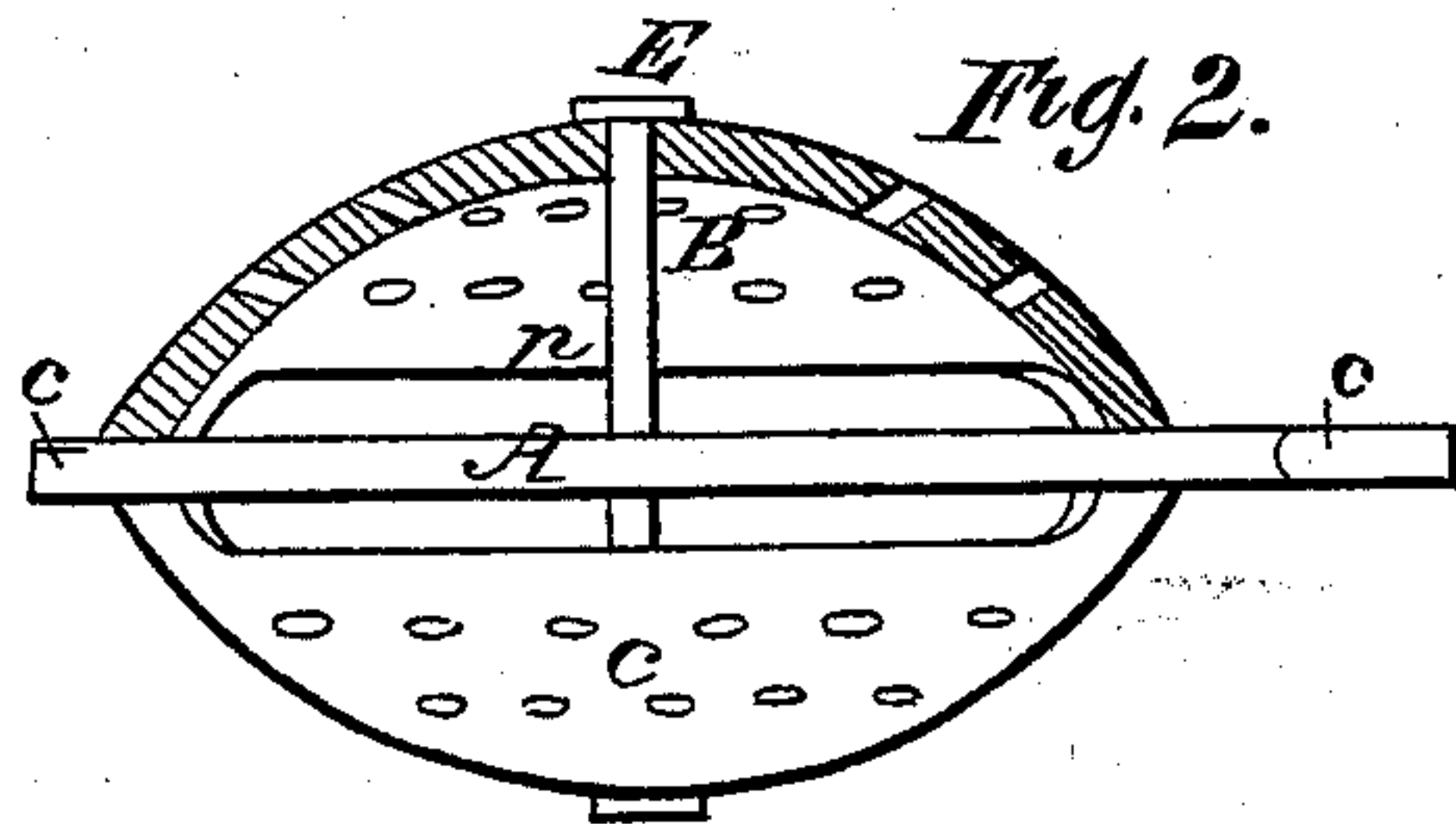


Fig. 2.



Witnesses.

Wm. H. H. H. H.
Leopold Bruch

Inventor.

John Johnson
per Alexander Mason
Atty.

United States Patent Office.

JOHN JOHNSON, OF ATKINSON, ILLINOIS.

Letters Patent No. 79,836, dated July 14, 1868.

IMPROVEMENT IN STOVE-PIPE DAMPERS.

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, JOHN JOHNSON, of Atkinson, in the county of Henry, and in the State of Illinois, have invented certain new and useful Improvements in Stove-Pipe Dampers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

In the annexed drawings, forming part of this specification—

Figure 1 is a plan view, and

Figure 2, a side view.

The nature of my invention consists in making a stove-damper of three pieces, bolted together through the centre, the centre-plate being flat, and having in its centre a fine wire sieve; the other two or outside pieces of the damper are perforated and of oval shape, the concave sides of them being turned towards the centre-plate.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the annexed drawings, A represents the middle piece or plate, which consists of an outside rim, *a*, of about three-quarters of an inch in width, and a fine wire sieve, *b*. There are two arms, *c c*, connected with this rim, which rest on the stove-pipe, that the damper may be turned as required.

B and C are the outside plates, which are made of oval shape and perforated with a number of holes. Their concave sides are turned inwards, and they are fastened together, one on each side of the centre-plate A, by means of a bolt, D, and screw E.

The object of the holes on the plates B and C is for ventilating when the damper is turned down, thus allowing the smoke to pass off without collecting soot and dirt, as is the case with other dampers; it also prevents fire and sparks from going up the stove-pipe when turned down; it lets all offensive gases escape, and will save at least twenty-five per cent. in fuel more than any other damper.

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

A stove-damper, consisting of one centre-plate, A, made of a circular rim, *a*, and fine wire sieve *b*, with arms *c c*, and two outside perforated plates B and C, of oval shape, arranged and fastened together as described, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 29th day of April, 1868.

JOHN JOHNSON.

Witnesses:

JOHN BROOKS,

L. EVERT.