

M. S. MARSHALL.
Stovepipe Damper.

No. 62,655.

Patented March 5, 1867.

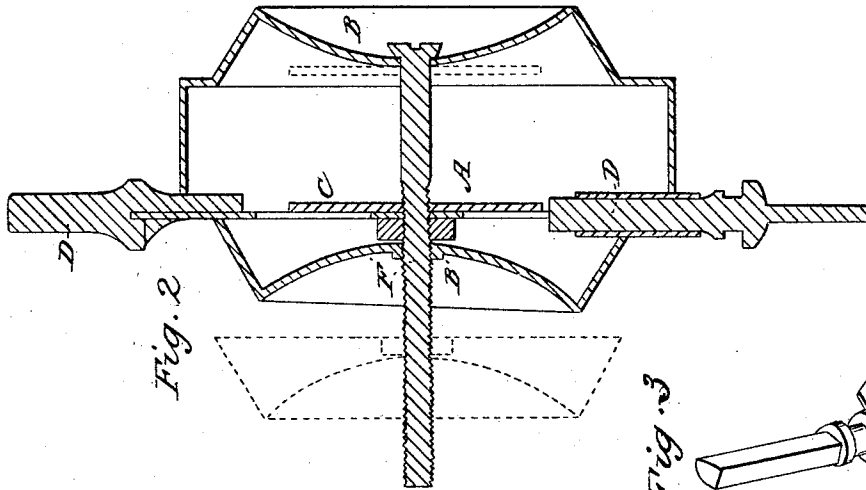


Fig. 2

Fig. 3

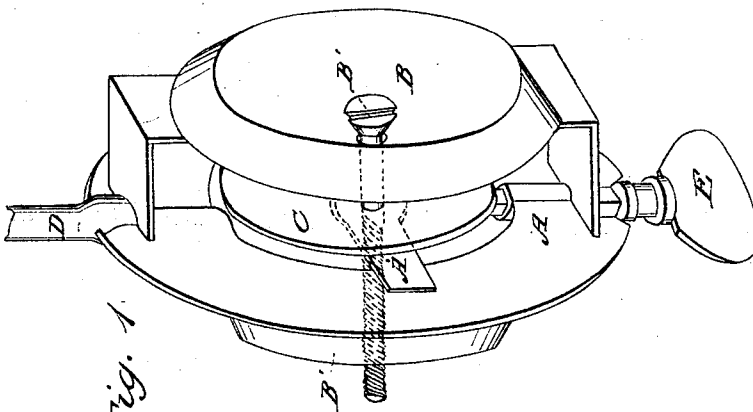
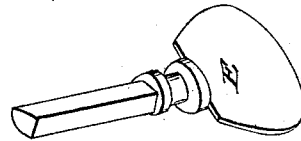


Fig. 1

Witnesses:

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MOSES S. MARSHALL, OF MELROSE, MASSACHUSETTS, ASSIGNOR TO HIMSELF
AND R. WENDELL, OF SALEM, MASSACHUSETTS.

Letters Patent No. 62,655, dated March 5, 1867.

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, MOSES S. MARSHALL, of Melrose, in the county of Middlesex, and State of Massachusetts, have invented a new and useful improvement in Dampers for Stoves; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is a section.

Figure 3 is a perspective view of the key for operating the damper.

In the several figures the same letters are employed in indicating the same parts.

A is a central circular plate of metal fitting the diameter of the pipe. It has in its centre a circular opening, with a cross-piece, A', bridging the space. On each side of the central piece A' are two cups, B B', of less diameter than the ring A, and having their ends furnished with a concave surface. These are placed a sufficient distance from the plate A to allow a free circulation of smoke between their edges and the plate A. The bolt E' passes through the two cups and the bridge A', holding them respectively in place. The circular plate C moves freely on the bolt E', which passes through its centre. It is a little less in diameter than the circular opening in the centre of the central plate A. The plate A is suspended upon a central axis, D, across the pipe in which the damper is intended to act. At one end it is turned by and upon the key E, the stem of which I form with two flat and one circular sides, so as to indicate on the key the side of the damper that is turned up. The plate C regulates the draught; when it is desirable to diminish the same the damper is turned so that this plate shall fall upon the bridge A', thus nearly or partially closing the draught. By turning the damper over, the plate falls upon the cup B, and leaves the draught open.

I am aware that stove dampers have been constructed with three plates, the central one being annular and closed by a sliding valve, and others closed by a butterfly valve. I do not claim this feature. What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination in a damper of the concave cups B B', central annular plate A, and circular plate C, substantially as and for the purpose set forth.
2. The combination of the damper, spindle, and key, when said parts are respectively constructed, and the whole arranged as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MOSES S. MARSHALL.

Witnesses:

C. P. JUDD,
JOHN TULLEY.