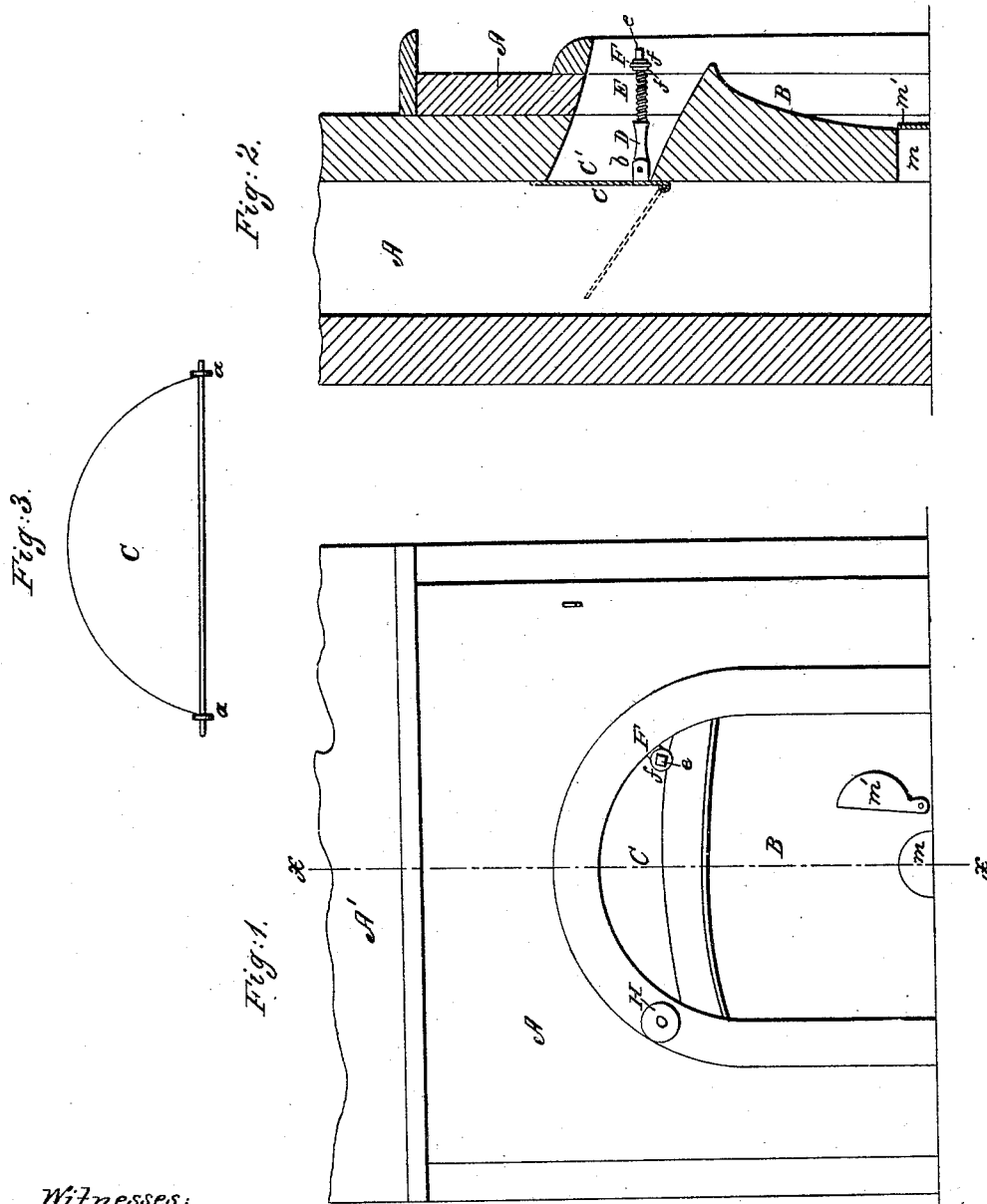


J. G. JENNINGS.

Damper.

No. 45,045.

Patented Nov. 15, 1864.



Witnesses:

W. H. Burnidge
C. C. Morgan

Inventor

Jno G. Jennings

UNITED STATES PATENT OFFICE.

J. G. JENNINGS, OF CLEVELAND, OHIO.

IMPROVED DAMPER.

Specification forming part of Letters Patent No. 45,045, dated November 15, 1864.

To all whom it may concern :

Be it known that I, J. G. JENNINGS, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented an Improved Combined Chimney-Damper and Shut-Off for Fire-Places; and I do hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a front view of the mantel-piece, chimney, and fire-place, of which Fig. 2 is a vertical section in the direction of the line *xx* in Fig. 1; and Fig. 3, a detached view showing the damper as hung inside of the chimney.

Like letters of reference denote like parts in the views.

The nature of my improvement relates to arranging a damper in a chimney that can be opened or closed more or less, shutting off the draft, to prevent heat produced from the grate from passing up into the chimney that otherwise would, and also by closing the same to prevent soot and dirt from the chimney from falling or being blown down into the room, which is so often the case, thereby soiling and injuring the carpets and furniture.

In the drawings, A represents the mantel-piece, A' the chimney, B the fire-place for the grate, and C the damper or door arranged to close over the flue C', leading from the fire-place into the chimney, being hinged at the lower side to the inside of the chimney at each end, as shown at *a* in Figs. 2 and 3. The damper, when closed, covers the entire opening, but it can readily be opened more or less,

increasing or decreasing the draft, as may be desired.

The arrangement of devices for adjusting the damper consists of a screw, E, passing through the arm F, secured to the jambs of the fire-place and extending to the arm, the thread of the screw being in the end of the arm D, which is hinged to the lugs *b*, secured to the damper, by means of which the screw is adjusted to the position of the damper. This screw can be turned, opening or closing the damper, by means of a handle placed on the end *e*, a washer, *f*, being on the screw each side of the arm F, preventing the screw from slipping either way, thereby causing the damper to open or close up the throat, as may be required; or, in place of a handle for turning the screw, a thumb-screw may be used, as shown at H, Fig. 1.

There is an opening, *m*, through the back part of the fire-place into the chimney, as represented, to remove the soot and ashes that may collect there, a door or gate, *m'*, covering the opening. Without an opening for this purpose the chimney would get filled up after a while, and the damper could not be operated.

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

The hinged damper or door C, screw E, and arm D, jointed to the lug *b* of the damper, in combination with the fire-place chimney, when arranged as and for the purpose described.

JNO. G. JENNINGS.

Witnesses:

W. H. BURRIDGE,
C. C. MORGAN.