

(No Model.)

A. ORELUP.

DAMPER AND BLOWER FOR OPEN GRATES.

No. 370,279.

Patented Sept. 20, 1887.

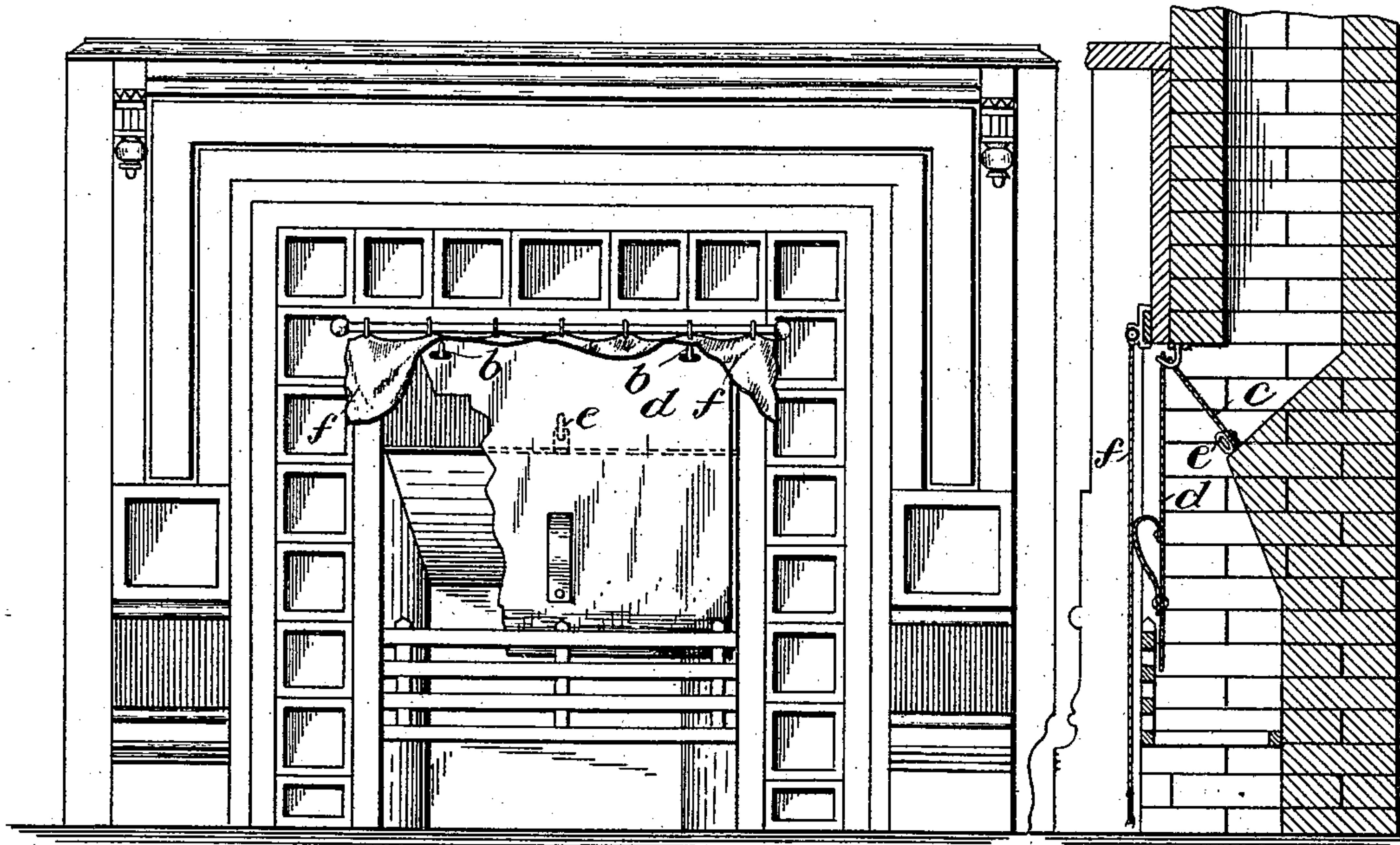


Fig. 1.

Fig. 2.

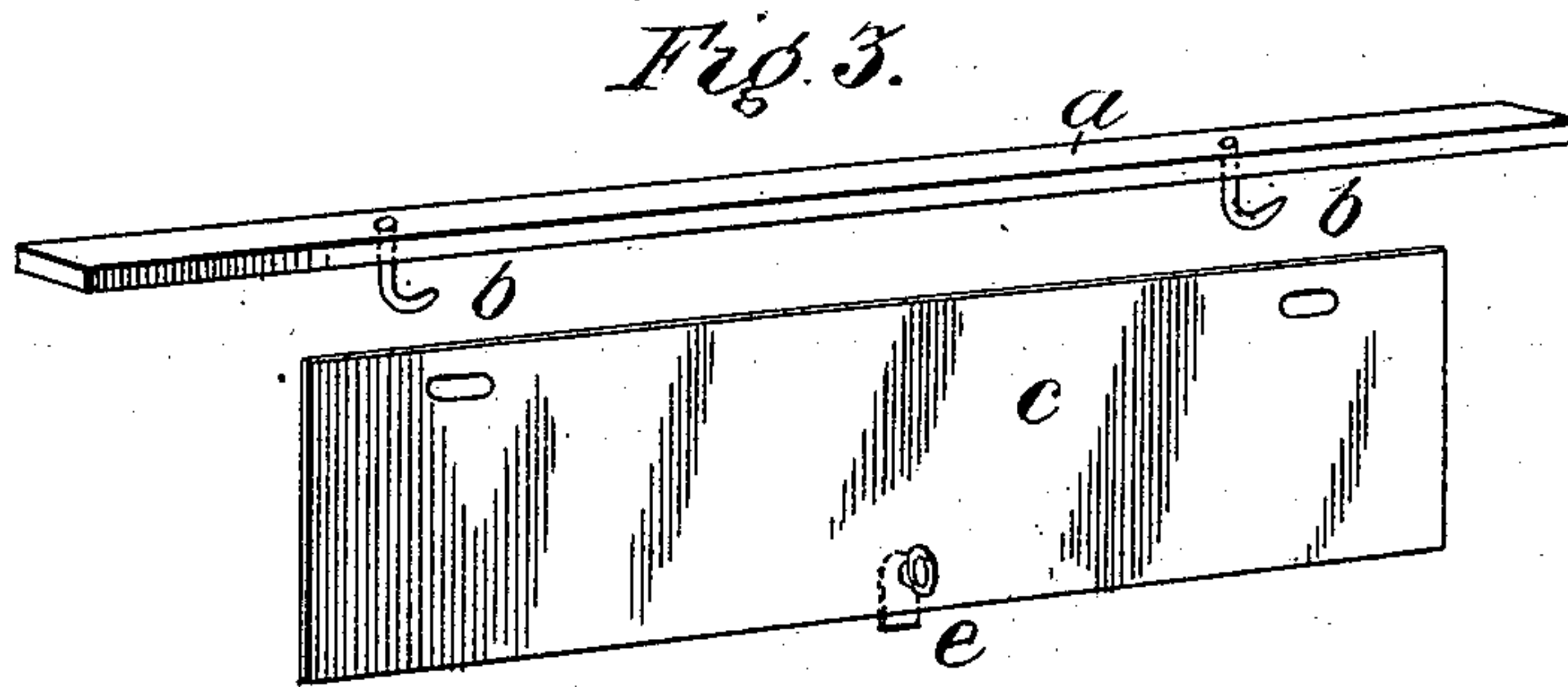


Fig. 3.

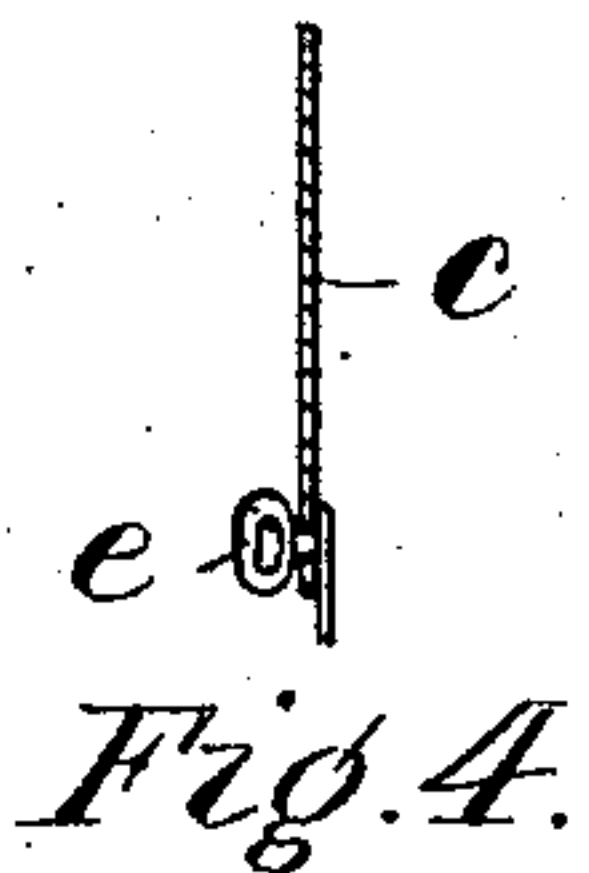
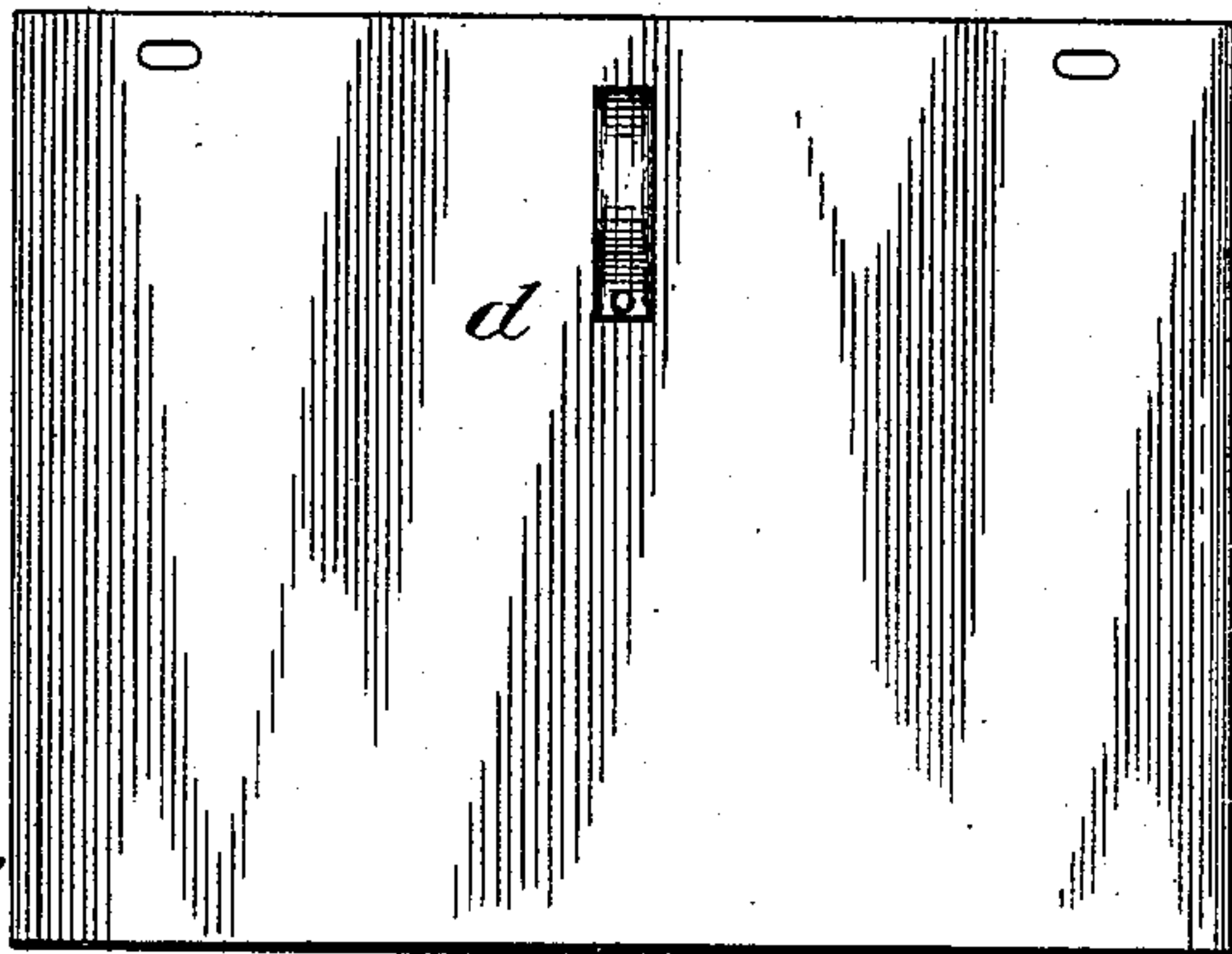


Fig. 4.

Fig. 5.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

AMASA ORELUP, OF CHICAGO, ILLINOIS.

## DAMPER AND BLOWER FOR OPEN GRATES.

SPECIFICATION forming part of Letters Patent No. 370,279, dated September 20, 1887.

Application filed July 28, 1886. Serial No. 209,289. (No model.)

*To all whom it may concern:*

Be it known that I, AMASA ORELUP, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Dampers and Blowers for Open Grates, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to open fire-grates; and its object is to provide a swinging damper by means of which the chimney-flue may be opened and closed, as desired, said damper being fitted to the brick-work of the chimney, so that when freely suspended it may serve as a blower to increase the draft of the chimney.

My invention will be readily understood by reference to the accompanying drawings, in which—

Figure 1 is a front view of an open grate or fire-place provided with my invention, a portion of the blower being shown broken away. Fig. 2 is a transverse vertical section thereof. Fig. 3 is a view of the arch-bar, with hooks and the sheet-iron damper to be suspended thereon. Fig. 4 is a detailed view of the catch for fastening back the damper. Fig. 5 is a detailed front view of the blower.

Like parts are indicated by similar letters of reference in the different figures.

The arch-bar *a* is provided with two hooks or supports, *b*. These hooks project forward and are turned upward, so that the damper *c*, as well as the blower *d*, may be hung thereon. Slots or openings are provided in the upper portions of the damper and blower, respectively, as shown. I preferably make these

slots about half an inch wider than the hooks, so that there may be a little chance for adjusting the damper and blower to the right or left, as may be required, since it is difficult to set the bar carrying the hooks so that the hooks will come at precisely the same distance from the opposite sides of the grate, respectively.

The catch *e* upon the damper is designed to hold the damper back, as shown in Fig. 2, so as to close the flue.

The curtain *f* is suspended in the usual way upon a rod in front of the fire-place.

When the fire-place is closed, the lower portion of the blower is slipped inside the bars, as shown in Fig. 2.

By the use of my invention it will be seen that the blower may be suspended upon the hooks without liability of falling, and that the damper may be opened and closed, as desired, while both damper and blower may be readily removed or put in place.

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

The combination, with the hooks or supports provided upon the bar, of a damper suspended thereon, the slots or openings in said damper being somewhat wider than the hooks, said damper being fitted to the brick-work of the chimney, whereby the damper may be adjusted to the right or left and placed upon or removed from the hooks, as desired.

In witness whereof I hereunto subscribe my name this 24th day of July, A. D. 1886.

AMASA ORELUP.

Witnesses:

GEORGE P. BARTON,  
LEOPOLD STERN.