

J. E. WOOD.  
Fire-Place Grates.

No. 145,141.

Patented Dec. 2, 1873.

Fig. 1.

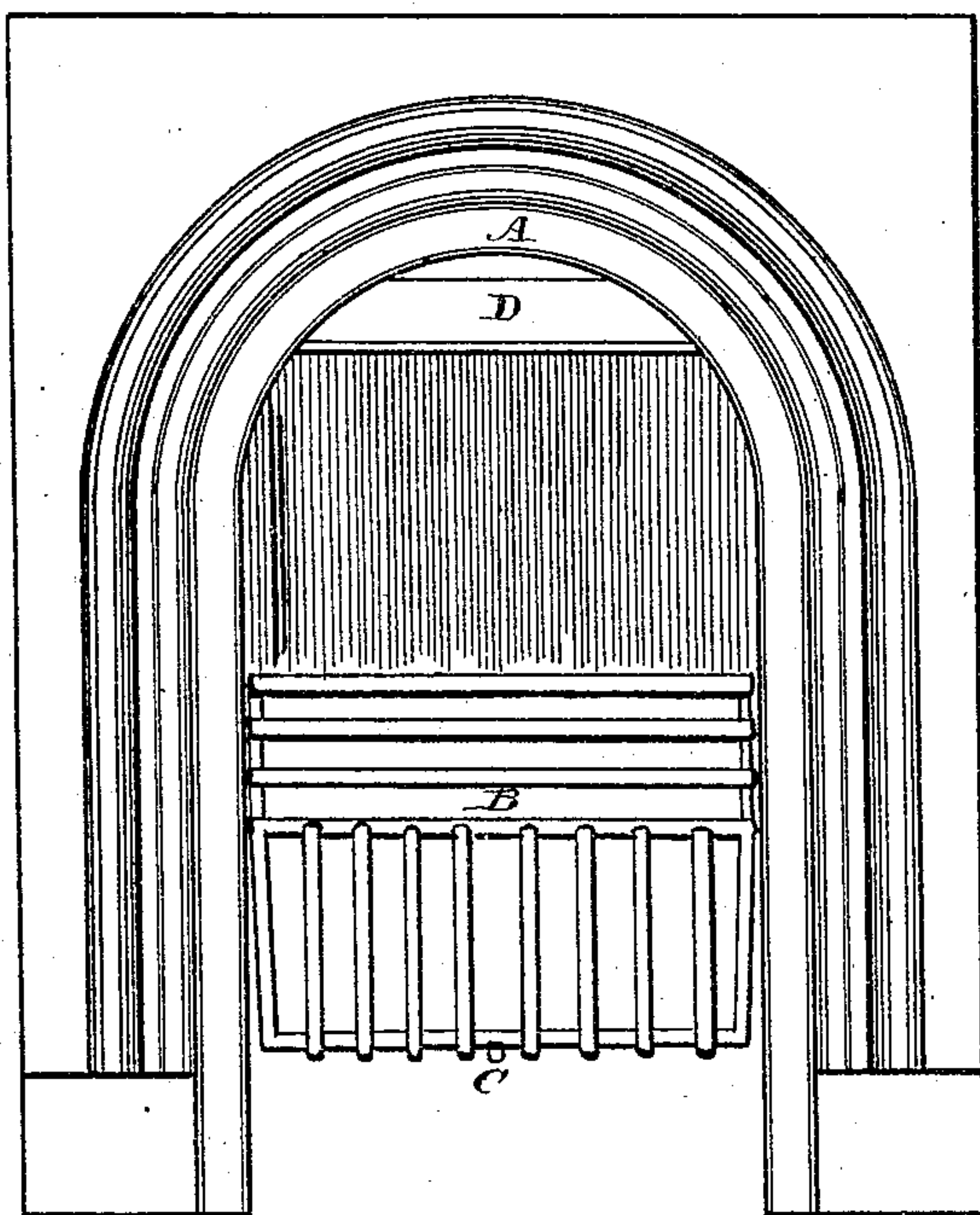
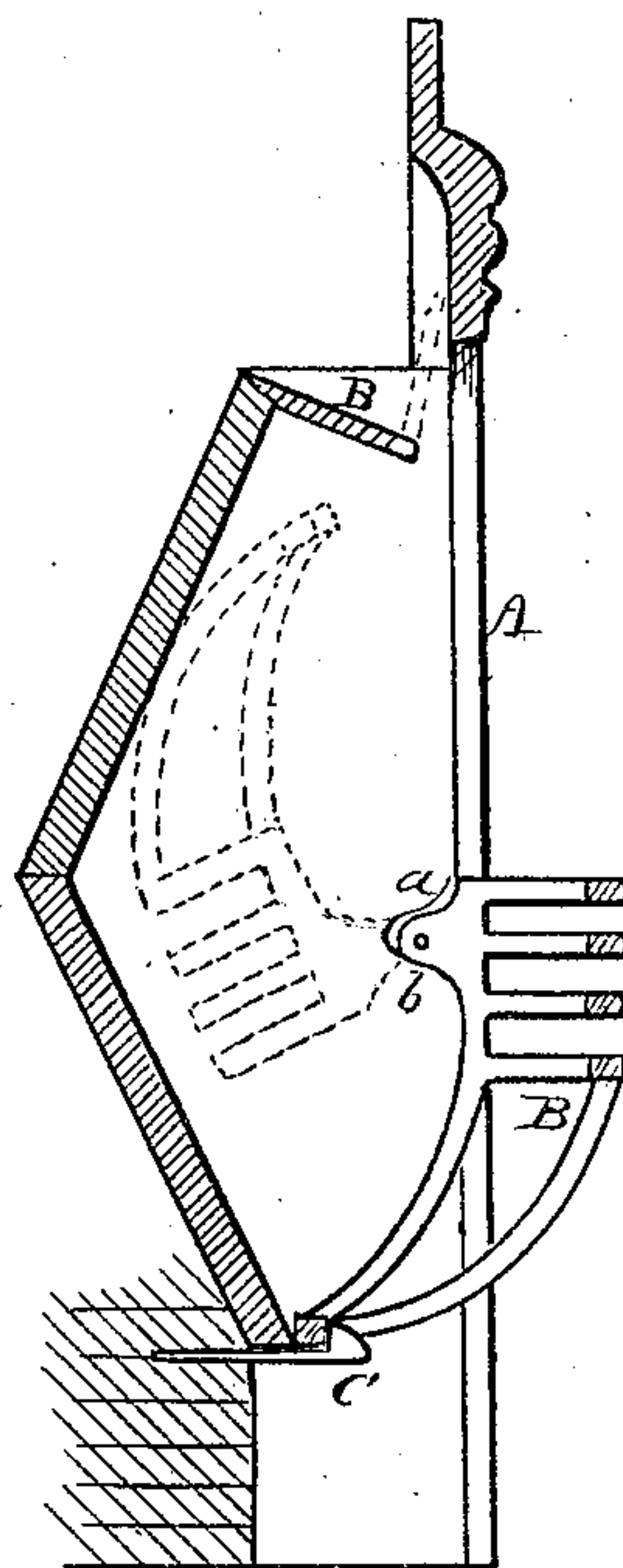


Fig. 2.



Witnesses,  
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# UNITED STATES PATENT OFFICE.

JONATHAN E. WOOD, OF HUNTINGTON, WEST VIRGINIA.

## IMPROVEMENT IN FIRE-PLACE GRATES.

Specification forming part of Letters Patent No. **145,141**, dated December 2, 1873; application filed March 19, 1873.

*To all whom it may concern:*

Be it known that I, JONATHAN E. WOOD, of Huntington, in the county of Cabell and State of West Virginia, have invented an Improvement in Fire-Grates, of which the following is a specification:

This invention relates to certain improvements in fire-grates, whereby the grate may be turned over backward to get it out of the way for putting in a summer front to the grate, the grate being suspended at the top corners by lugs playing in sockets in the sides of the grate-front.

In the drawings, Figure 1 is a front view. Fig. 2 is a vertical section of my improved grate.

A represents a grate-front of the usual pattern, to the sides of which are cast ears *a*. B is a grate-basket, also having lugs or ears *b* at the upper corners, which have pins or journals, resting in sockets in the ears *a*. The lower rear side of the grate-basket B rests against

the back part of the fire-place. A spring-catch, C, is set in the back wall, for latching the basket to prevent its being lifted or turned while poking when fire is in the grate. At the top of the fire-place, in the throat of the chimney, is a damper, D, pivoted at the front corners, which may be thrown up, as seen in the dotted lines, for opening the draft to the chimney. It does not entirely close the draft when down, but causes the smoke to come forward to enter the chimney, and also throws the heat outward.

I claim—

The combination and arrangement of the pivoted basket B, spring-catch C, and damper D with the grate-front A, as shown and described, and for the purpose set forth.

JONATHAN E. WOOD.

Witnesses:

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