

H. D. PURSELL.
Grate-Front.

No. 225,074.

Patented Mar. 2, 1880.

Fig. 1.

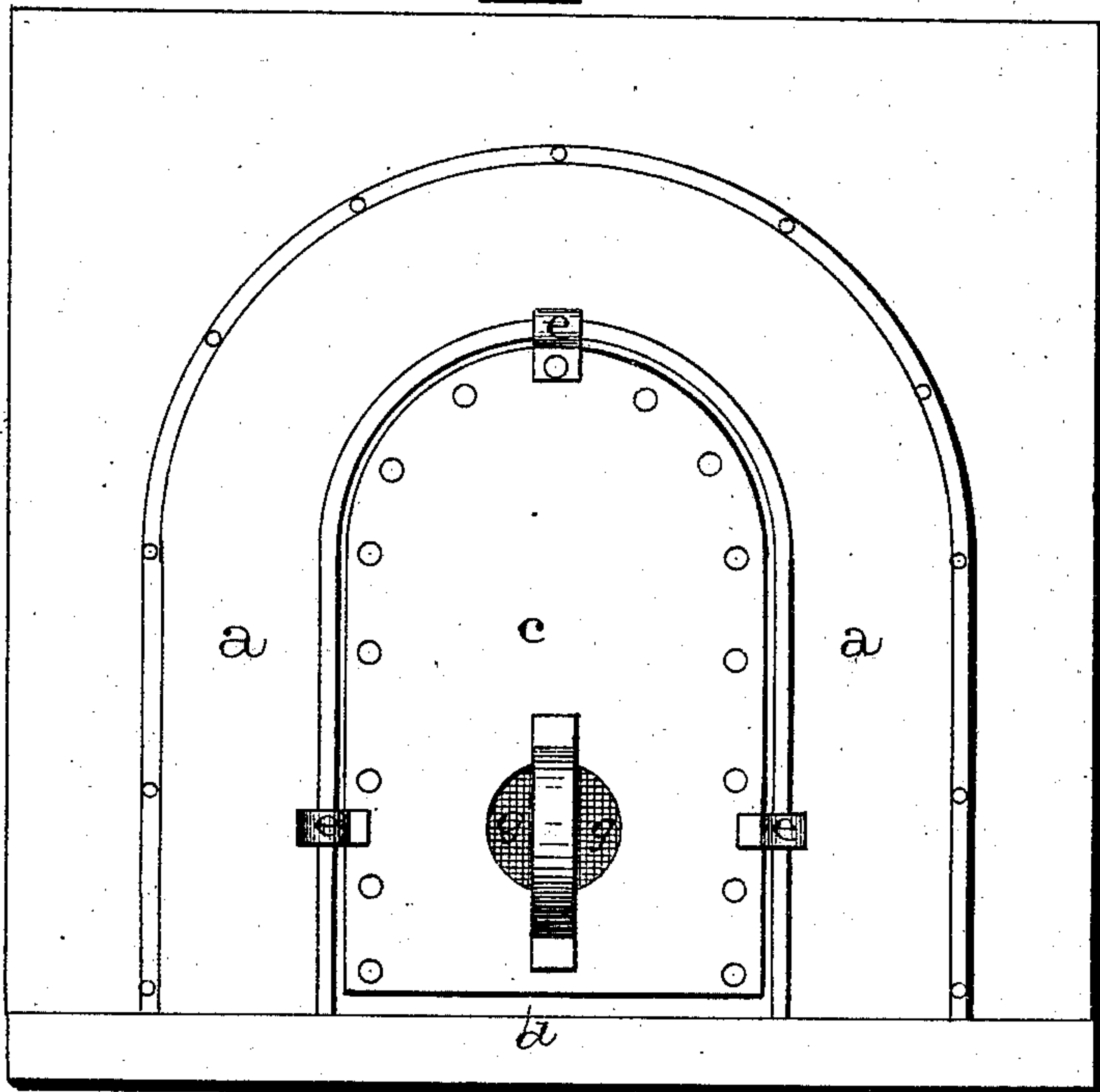
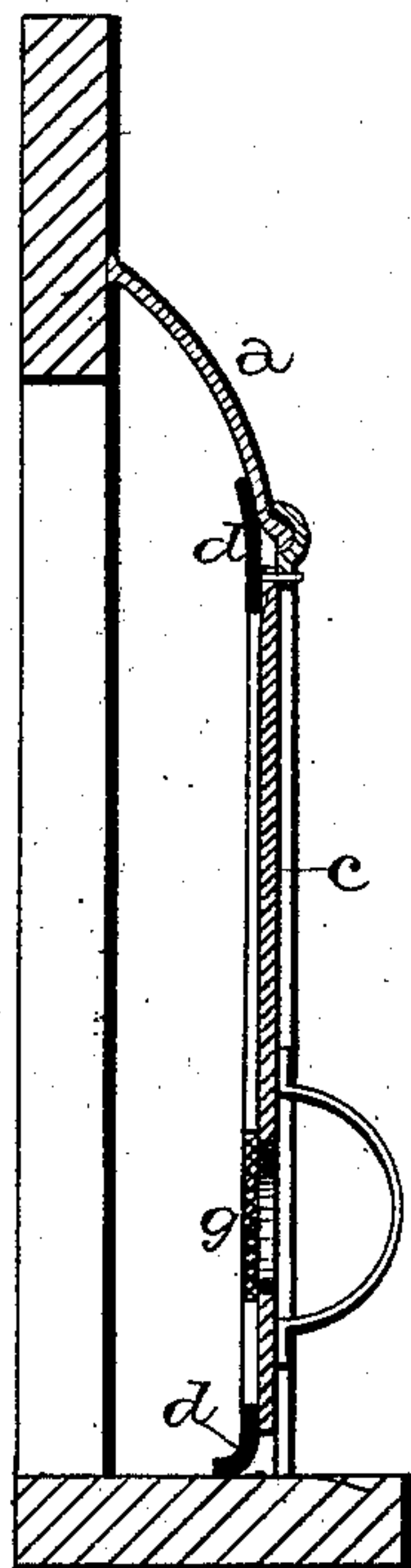


Fig. 2.



Witnesses:

Wm. H. Mortimer.
Otto Stein.

Inventor:

H. D. Pursell.

F. A. Lehmann, atty.

UNITED STATES PATENT OFFICE.

HARRY D. PURSELL, OF WASHINGTON COURT-HOUSE, OHIO.

GRATE-FRONT.

SPECIFICATION forming part of Letters Patent No. 225,074, dated March 2, 1880.

Application filed January 12, 1880.

To all whom it may concern:

Be it known that I, H. D. PURSELL, of Washington Court-House, in the county of Fayette and State of Ohio, have invented certain new and useful Improvements in Grate-Fronts; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in grate-fronts; and it consists in attaching a sheet of some flexible material around the edges of the front, so that when placed inside of the grate-frame a tight joint is formed, that prevents soot and dirt from being blown into the room.

It still further consists in the arrangement and combination of parts that will be more fully described hereinafter.

The accompanying drawings represent my invention, in which Figure 1 is a front view of the front, and Fig. 2 is a vertical section of the same.

a represents the frame of the grate, which may be of any shape or construction preferred, and *c* is the front, which may be made of sheet metal, wood, or any other material, and which corresponds in shape to the inside of the frame *a*. All around the edge of this front is secured

a sheet of rubber cloth, felt, or some other soft flexible material, which projects far enough to form a tight joint between the front and the frame. This packing *d* prevents soot and dirt from being blown out into the room, as is always the case where no tight joint is made.

Secured to the outer side of the front, around the edges, are the stops *e*, which prevent the front from being moved in too far, and which hold it in line with the front of the frame.

Through the front, at any convenient point, is made an opening, *g*, which is covered over with wire-gauze, and which serves as a ventilator for the room.

Having thus described my invention, I claim—

1. A grate-front, *c*, having a packing, *d*, secured around its edges, so as to form a tight joint with the inside of the frame *a*, substantially as shown.

2. A grate-front, *c*, provided with a packing, *d*, stops *e*, and ventilator *g*, in combination with a grate-frame, *a*, substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 2d day of January, 1880.

HARRY D. PURSELL. [L. S.]

Witnesses:

J. P. ROBINSON,
C. J. BELL.