

(No Model.)

J. W. WOLFE.

FIRE PLACE.

No. 336,682.

Patented Feb. 23, 1886.

Fig. 1.

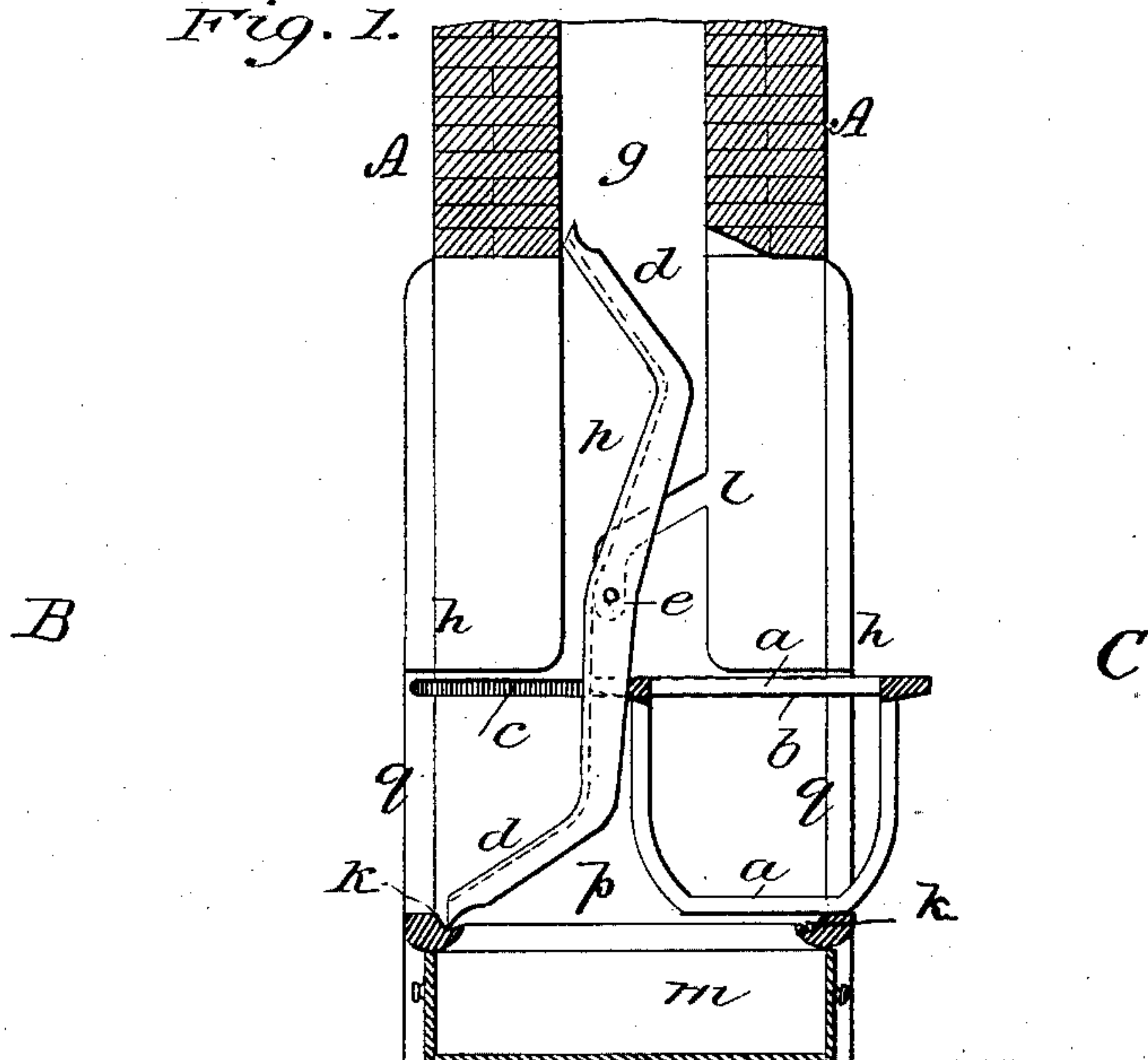


Fig. 2.

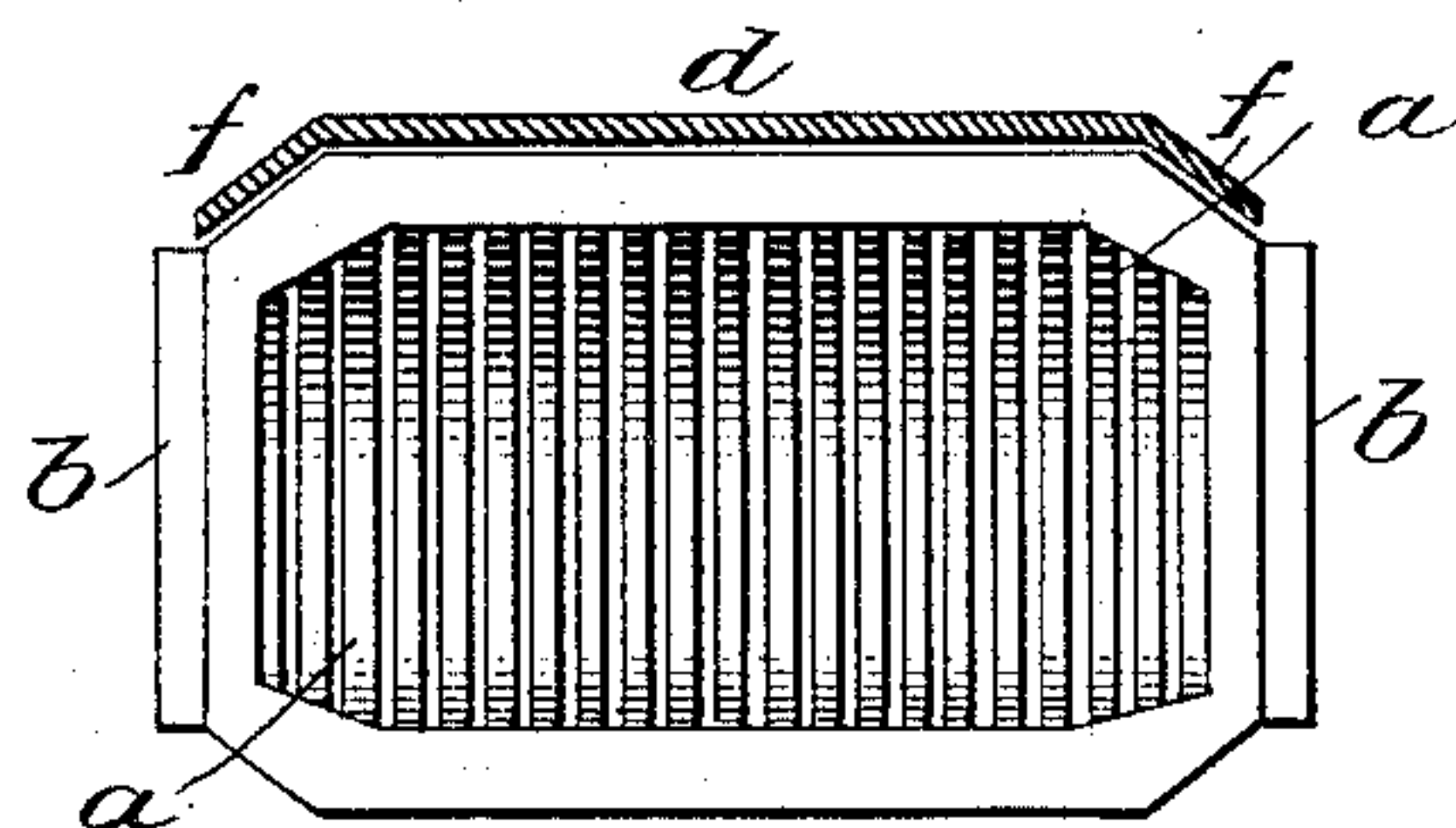
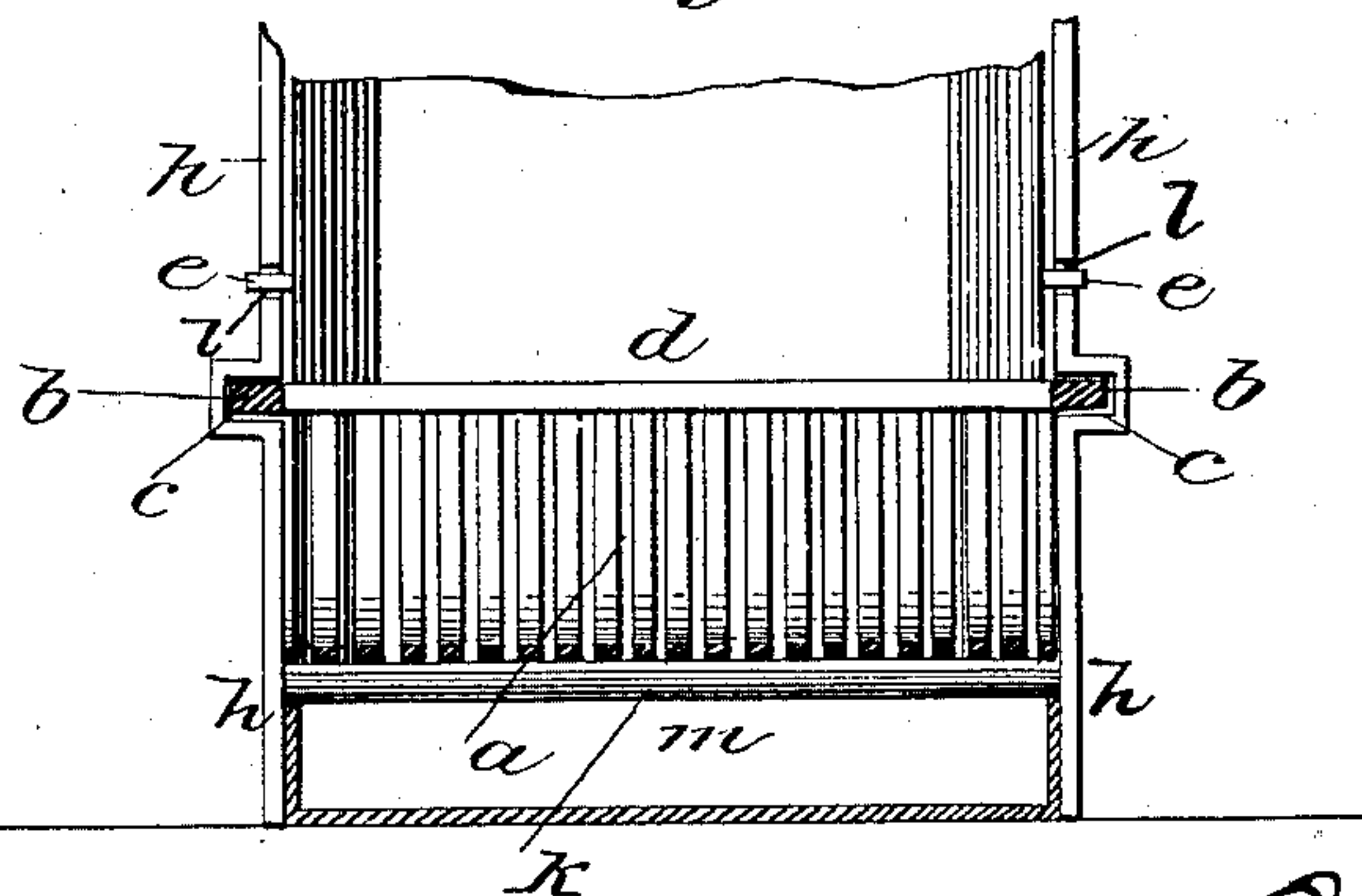


Fig. 3.



Witnesses:

W. W. Bailey,

H. A. Simpson

Inventor:

J. W. Wolfe

# UNITED STATES PATENT OFFICE.

JACOB WESLEY WOLFE, OF NASHVILLE, TENNESSEE, ASSIGNOR OF ONE-HALF TO ADELBERT L. RITCHEY, OF SAME PLACE.

## FIRE-PLACE.

SPECIFICATION forming part of Letters Patent No. 336,682, dated February 23, 1886.

Application filed February 2, 1885. Serial No. 154,756. (No model.)

*To all whom it may concern:*

Be it known that I, JACOB WESLEY WOLFE, a citizen of the United States, residing at Nashville, in the county of Davidson and State of Tennessee, have invented certain new and useful Improvements in Fire-Places and Grates Therefor; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 represents a central vertical sectional elevation of a fire-place, grate, and fire-back constructed according to my invention. Fig. 2 is a sectional plan view of the grate and fire-back, and Fig. 3 is a front elevation, partly in section, representing the grate and fire-back in position in the fire-place.

The object of my invention is to adapt a single fire-place grate for use upon opposite sides of the division-wall of a house, within which the fire-place is built, whereby a single grate may be used to heat two different rooms, thus effecting the saving of an additional heating stove or grate and two chimney-flues connected with each separate fire-place, to accomplish which a single flue is built in the chimney or wall, which terminates in a fire-place formed directly through said chimney or wall, and communicates equally with the rooms situated upon opposite sides thereof, within which flue an adjustable deflector or fire-back is arranged to properly conduct the products of combustion, &c., from the fire from either side of the fire-place into the flue; and within the fire-place is arranged a grate which is adapted to be moved to each extremity of said fire-place for use in either room desired.

Referring more particularly to the accompanying drawings for a better comprehension of the details of my invention, A represents a chimney or division-wall of a house, of the usual construction, having a single flue, *g*, formed through it, which flue terminates at its lower end in a large opening or space, *p*, which extends transversely entirely through said wall or chimney, and communicates through openings *q* with the rooms B and C, and thus forms these separate fire-places for said rooms. At each side of this opening, or, more properly speaking, fire-place *p q*, in the chimney are preferably

arranged metal plates *h*, which extend from the bottom of the ash-pit to the top of the deflector, as shown in Fig. 1, and form the side walls of the fire-place. About the center of these side walls, *h*, and transversely across the same, are formed therein slots *c*, which extend the entire depth of the fire-place, and above these slots are formed also, upon both the side walls of the fire-place, slots *l*, for the purposes as will hereinafter appear.

*a* is the grate or fire-pot, formed with slotted bottom and sides, and with flanges *b* along each of its ends, which flanges, when the grate is in position in the fire-place, are received into the slots *c* of the side walls, and thus form the means by which the grate is held in proper position.

*d* is the deflector or fire-back, having pivots *e* at its central portion upon each edge, which, when the said fire-back is in position in the fire-place, are received into the angular slots *l*, formed in the side walls of the fire-place, as before explained. This fire-back is somewhat of a W shape—that is, it has a central comparatively straight portion and two ends which are bent at an angle therewith, so that the top end of said deflector will rest against the side of the flue and the lower end will rest in a seat, *k*, formed for this purpose below the grate *a*, as shown in Fig. 1. The edges of this fire-back are also slightly bent at an angle to conform to the shape of the grate, as at *f*, Fig. 2.

Again, referring to Fig. 1, it will be seen that the slot *l* in the side walls of the fire-place is made of such length relatively to the length of the fire-back between its pivots and ends that when said fire-back is in position its said pivots will not be at the bottom of said slot, whereby the said fire-back is supported entirely upon its lower end in the notched seat *k*, formed for its reception, and not upon its pivot or journal bearings, whereby danger of the accidental tipping over of said fire-back is prevented.

*m* is the ash-pan, which is made of such size as to completely fill the entire space below the fire box or grate, and is adapted to be withdrawn from either side of the chimney within the rooms B or C.

Instead of providing the side walls, *h*, of



metal plates, as here shown, they may be dispensed with and the grate and fire-back mounted in slots formed directly in the walls of the fire-place; but the construction shown  
5 is preferred.

To change the position of the parts from that shown for use in the opposite room, the fire-back is first slightly lifted to clear the notch *k*, then tilted or turned over, which brings the  
10 opposite end down into the opposite seat, *k*. The grate is then shoved across to the opposite side of the fire-place, when the parts are in proper position for use in the room opposite to that in which it had last been used.

15 I am aware that grates adapted to slide back and forth within the fire-place are not new. This, therefore, I do not broadly claim; but

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

20 1. In a fire-place, the combination, with the wall or chimney A, formed with a single flue,

*g*, which terminates at its lower end in a fire-place, *p q*, opening equally into the rooms B and C, and formed with transverse slots *c* and angular slots *l* at each side thereof, of the fire-  
25 grate *a*, with end flanges *b*, and fire-back *h*, having pivots *e* and angular ends *d*, which rest upon seats *k*, substantially as described and shown, for the purposes specified.

2. The combination, in a fire-place, of the  
30 single flue *g*, fire-place *p*, with openings *q* to the opposite rooms, B and C, flanges *c* and *l*, formed upon each side of the side walls, grate *a*, with flanges *b*, fire-back *h*, with pivots *e* and angular ends *d*, rest *k*, and ash-pan *m*, extend-  
35 ing entirely across said fire-place and removable from either side thereof, as described.

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Witnesses:

W. W. BAILEY,  
W. S. SIMPSON.