

(No Model.)

J. M. McMEEN.

FOLDING FIRE BLOWER.

No. 388,571.

Patented Aug. 28, 1888.

Fig. 1.

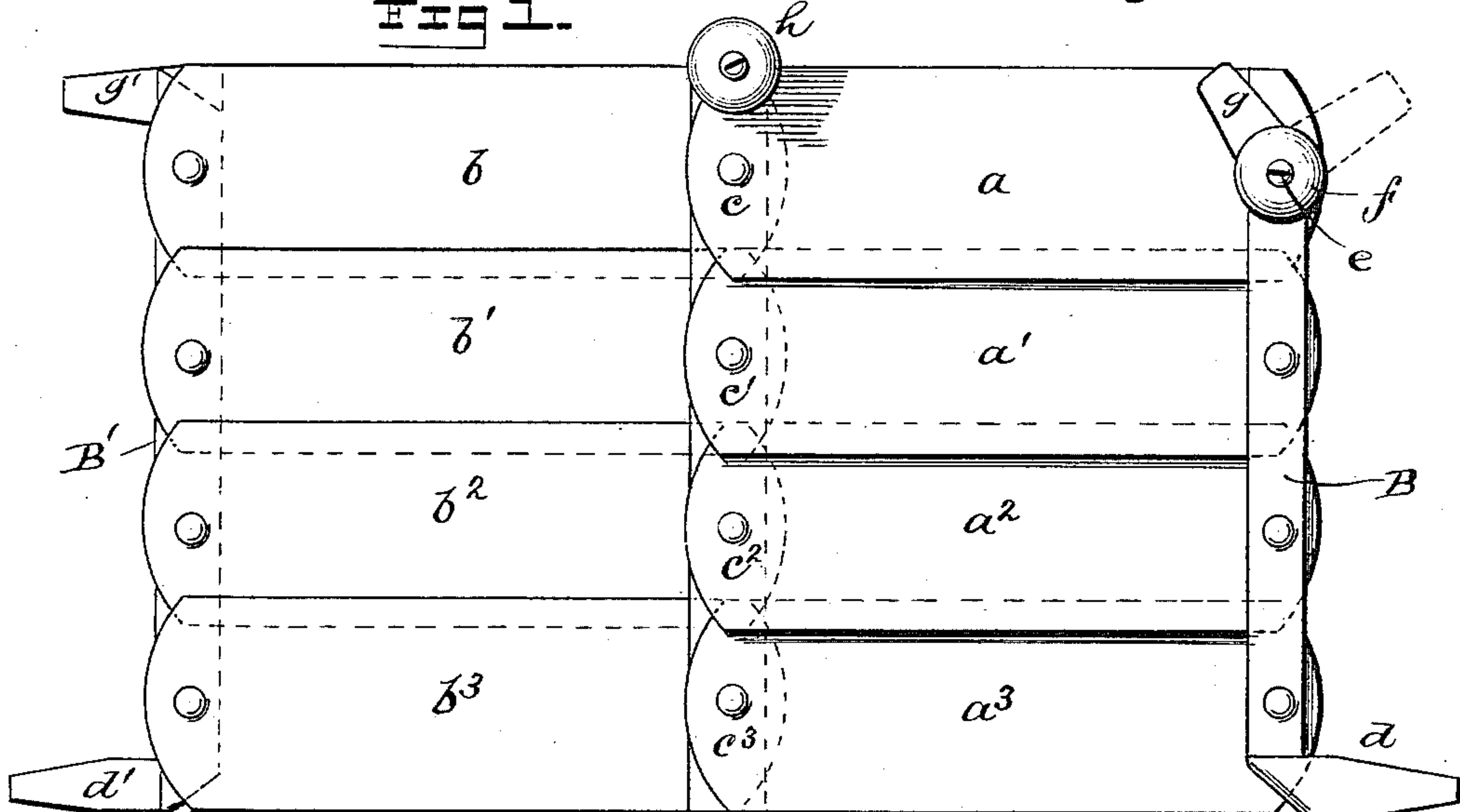


Fig. 2.

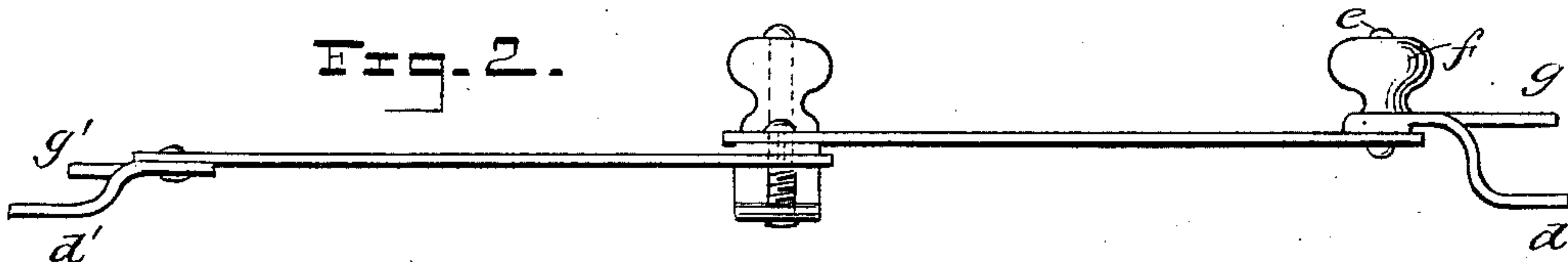


Fig. 3.

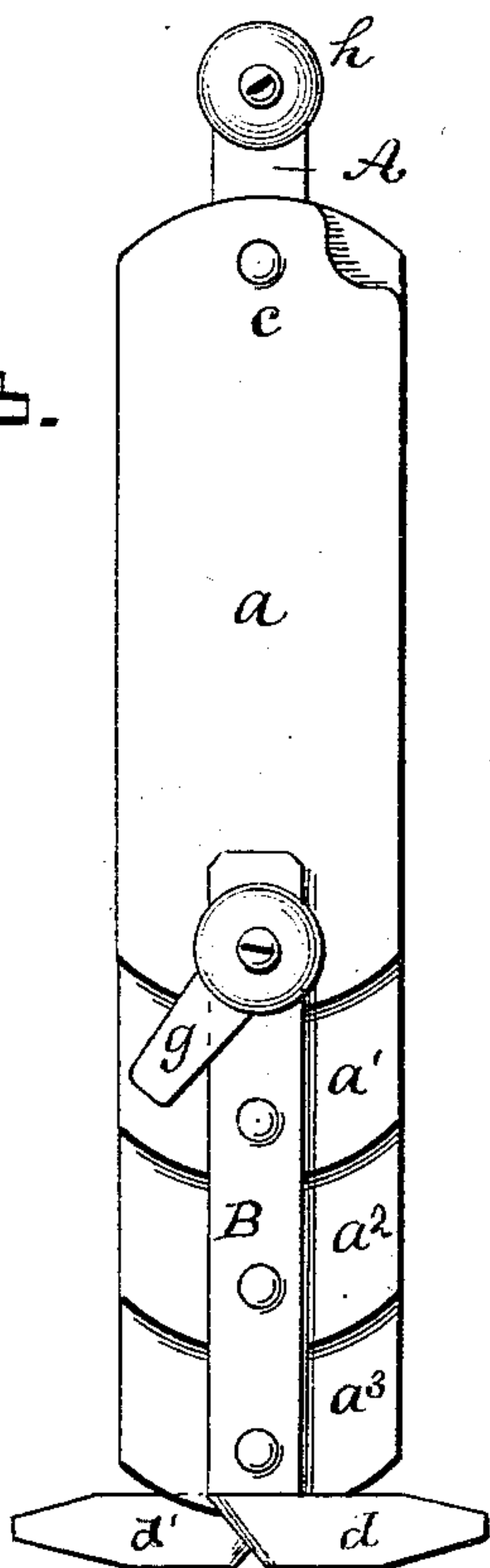
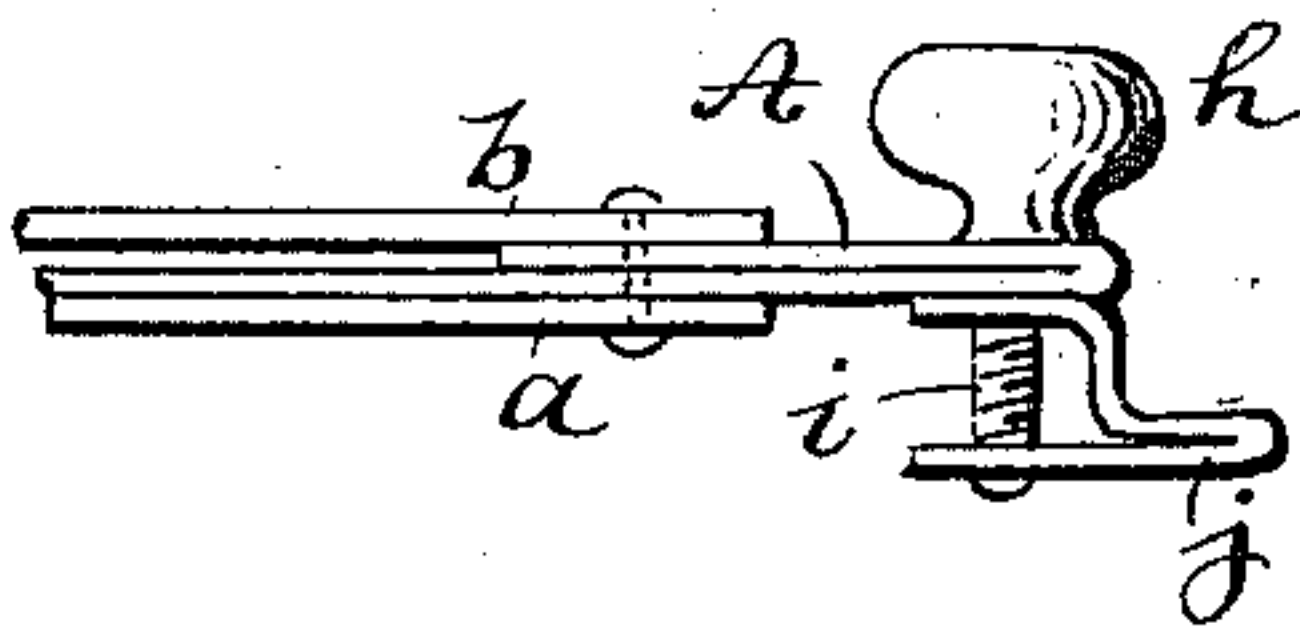


Fig. 4.



WITNESSES:

O. D. Mott.  
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# UNITED STATES PATENT OFFICE.

JAMES M. McMEEN, OF DANVILLE, ILLINOIS.

## FOLDING FIRE-BLOWER.

SPECIFICATION forming part of Letters Patent No. 388,571, dated August 28, 1888.

Application filed February 24, 1888. Serial No. 265,171. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES M. McMEEN, of Danville, in the county of Vermilion and State of Illinois, have invented a new and Improved Folding Fire-Blower, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a front elevation of my improved fire-blower. Fig. 2 is a plan view. Fig. 3 is a side elevation showing the blower folded, and Fig. 4 is a detail side elevation of the fastener attached to the top of the blower.

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to construct a blower for open grates or fire-places, which may be readily folded, so as to occupy but little space when not in use, and easily unfolded and placed in position in the fire-place.

My invention consists in two series of plates pivoted to a central strip, and connected at their outer ends to side strips carrying fasteners for engaging the jambs of the fire-place.

To a central strip, A, are pivoted two series of plates,  $a a' a^2 a^3$  and  $b b' b^2 b^3$ , so that the plates  $a a' a^2 a^3$  overlap the plates  $b b' b^2 b^3$  upon the strip A, the plates  $a b$  being pivotally connected with the strip A by a rivet,  $c$ , and the other plates being pivotally connected with the strip  $a$  in a similar manner by rivets  $c' c^2 c^3$ . The outer ends of the plates  $a a' a^2 a^3$  are pivotally connected with a strip, B, which is parallel with the strip A, and the lower end of the strip B is bent laterally, forming a hook,  $d$ , for engaging the jamb of the fire-place. The upper pivot,  $e$ , connecting the plate  $a$  with the strip B, is prolonged to receive the wooden knob  $f$ , which carries a button,  $g$ , for engagement with the jamb of the fire-place. In a similar manner the plates  $b b' b^2 b^3$  are connected pivotally at their outer ends by a strip,

B', which is bent laterally at its upper and lower ends, forming hooks  $g' d'$  for engaging the jambs of the fire-place.

To the upper end of the strip A is pivoted a wooden knob,  $h$ , whose spindle  $i$  extends through the strip A and carries a button,  $j$ , for engagement with the top of the frame of the fire-place. Constructed in this way the two series of plates may be folded together upon each other, as shown in Fig. 3. The blower thus arranged occupies but little room and may be easily stored.

My improved blower is preferably made of iron. When in the position of use, a small amount of air is drawn through the joints between the plates, which aids combustion and prevents the undue heating of the blower. The wooden knobs of the fasteners admit of detaching the blower while hot from the fire-place.

By turning the two series of plates on the central pivots the blower may be expanded or contracted to adapt it to fire-places of varying width.

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

1. In a blower for fire-places, the combination of two series of plates arranged to overlap each other, a central strip pivoted to the overlapping ends of the plates, and strips pivotally connected with the outer ends of the series of plates, substantially as described.

2. In a fire-blower, the combination of the parallel plates  $a a' a^2 a^3$  and  $b b' b^2 b^3$ , the strip A, the pivotal rivets  $c c' c^2 c^3$ , connecting the plates with the strip A, and the strips B B', provided with lateral hooks and pivotally connected with the outer ends of the series of plates, substantially as described.

JAMES M. McMEEN.

Witnesses:

THOS. W. MCCOY,  
P. WILBER.