

L. C. WHITE.
FASTENING FOR LAMP CHIMNEYS.

No. 37,119.

Patented Dec. 9, 1862.

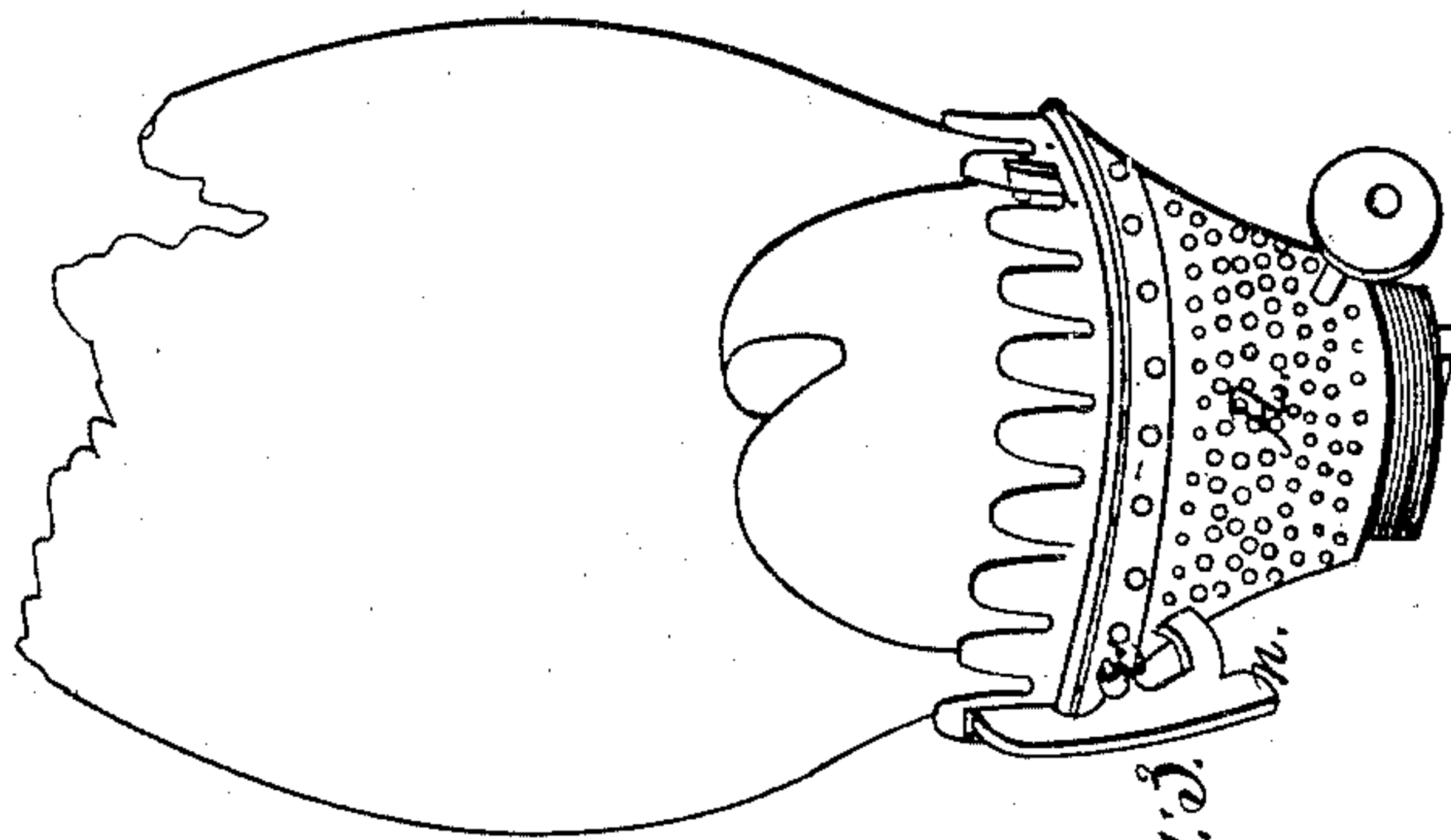


Fig. 1.

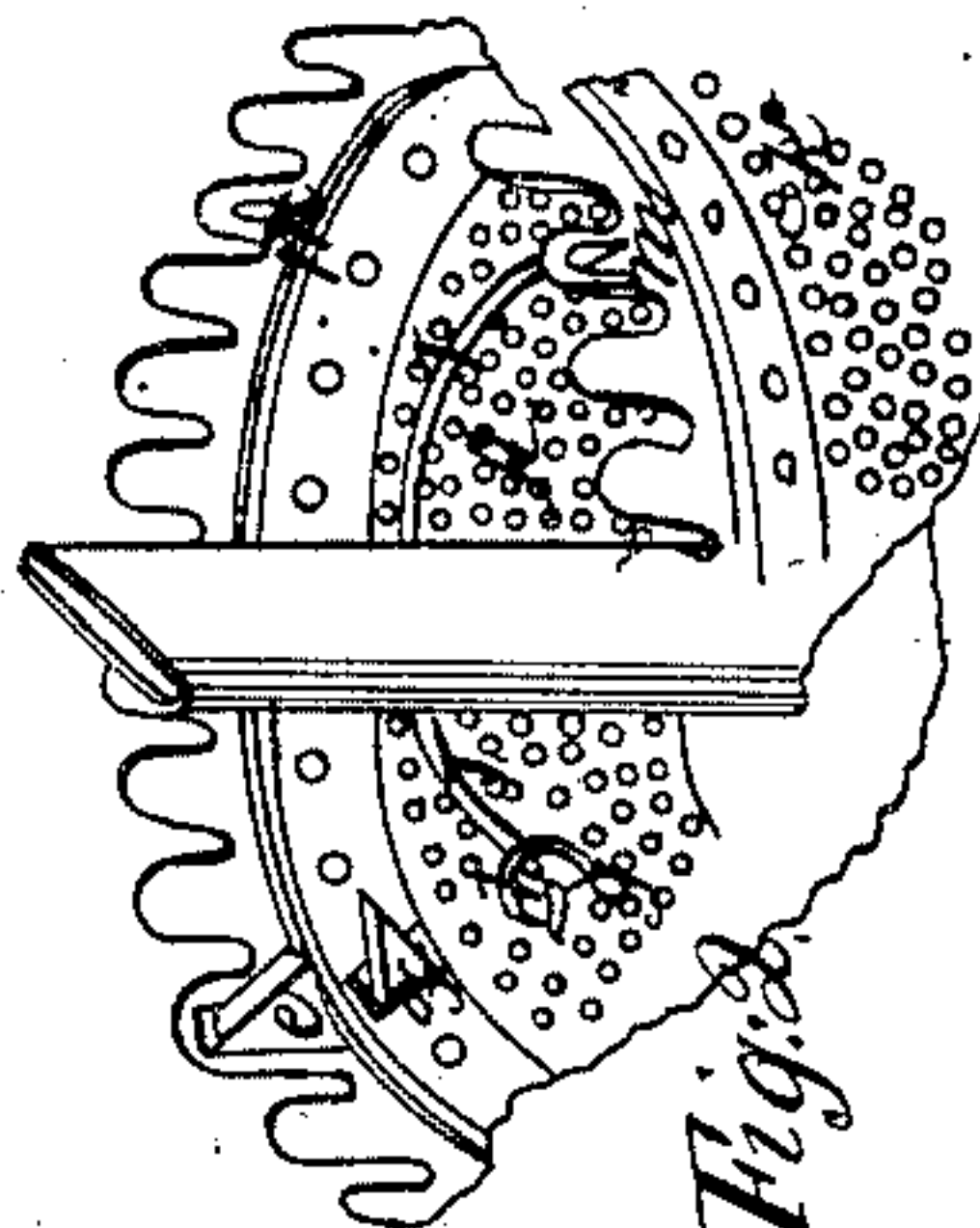


Fig. 2.

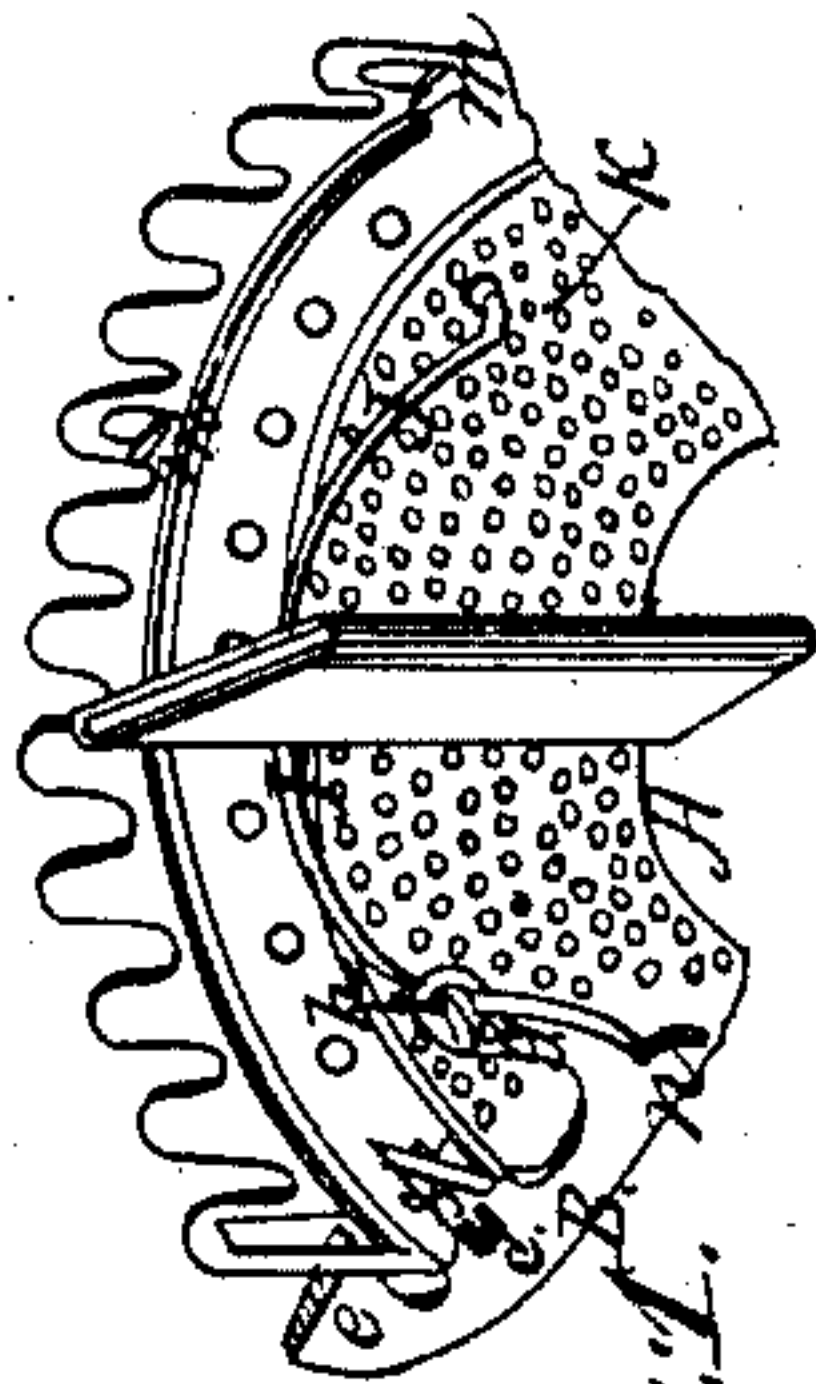


Fig. 3.

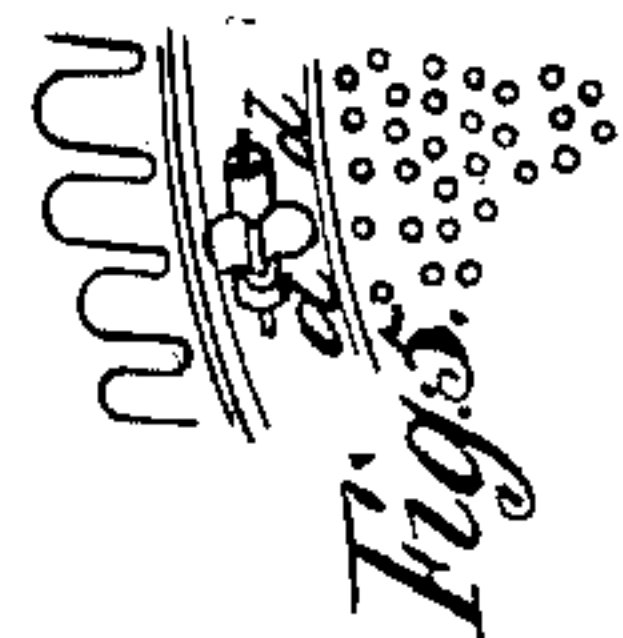


Fig. 4.

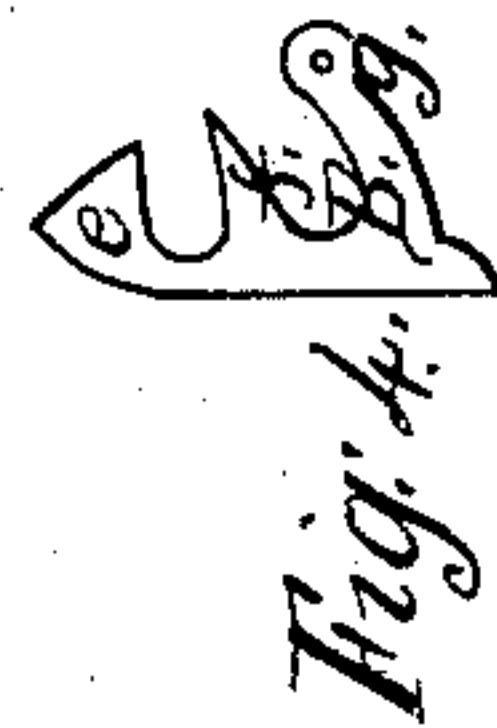


Fig. 5.

Witnesses.

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IMPROVED FASTENINGS FOR LAMP-CHIMNEYS.

Specification forming part of Letters Patent No. 37,119, dated December 9, 1862.

To all whom it may concern:

Be it known that I, LUTHER C. WHITE, of Waterbury, in New Haven county, in the State of Connecticut, have invented a new and Improved Mode of Fastening Lamp Chimneys and Shades on Burners; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is an interior sectional view of a coal-oil burner with my invention applied to it and pressed backward in order to show the action of the wire lever. Fig. 2 is also an interior sectional view of a coal-oil burner with my invention applied to it and pressed forward in order to show the action of the wire lever. Fig. 3 is an exterior view of a coal-oil burner with my invention applied to it in connection with a chimney. Fig. 4 is a detached view of a part of my invention, showing its shape, it being somewhat like a hawk's bill. Fig. 5 is an external view of a section of a coal-oil burner, showing the bolt on which the hawk's bill works and the way in which it is attached to the burner.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to an improvement in fastenings for lamp chimneys and shades.

The object of the invention is to adapt a self-acting fastening, which will hold the chimney firmly to its place. This object is attained by using a piece of metal of peculiar shape, it having three projections or teeth to it, which is fastened to the burner by means of a bolt placed a little ways below the ornamental rim or gallery. A piece of brass wire, curved with the burner, is placed in the interior of the same, one end of which works in the lower projection, and the other end in one of the small perforations in the burner, so that the wire acts as a lever-prop when the projections are brought either backward or forward in order to adjust the chimney.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents an ordinary coal-oil burner, in the side of which a piece of metal, shaped somewhat like a hawk's bill, as shown at B

in Figs. 1 and 4, is fastened by means of a bolt, as shown at *c* in Figs. 1 and 3. There are places formed in the burner for the ends of this bolt to rest in, no solder being used, as shown at *d* in Fig. 5. To the hawk's bill B are three projections, as seen at *e*, *f*, and *g* in Figs. 1, 2, and 4, places being cut out in the burner for their entrance. In the lower projection a hole is made, in which the end of a piece of brass wire enters, as shown at *h* in Figs. 1 and 2, which is bent round with the burner, as shown at *J* in Figs. 1 and 2, the other end entering one of the small perforations in the burner, as shown at *k* in Figs. 1 and 2. When the hawk's bill B is brought backward, as shown in Fig. 1, or forward, as shown in Fig. 2, this wire acts as a lever, keeping the hawk's bill in either position by means of one end turning in perforation *h* and the other end turning in perforation *k*. When desirable to adjust the chimney, the flange is placed under teeth *m* in Figs. 1 and 2, and then pressed down upon projection *e*, when it suddenly causes the hawk's bill to move backward and then forward again as quickly, thus holding the chimney firmly to its place by means of the wire lever *J*. The chimney can likewise be as readily adjusted when the hawk's bill B is already backward, as in Fig. 1, by placing the flange in a similar manner as before under teeth *m*, and pressing it down upon projection *f*, when the hawk's bill B will quickly move forward against the chimney and hold it tightly to its place. When requisite to remove the chimney, the thumb is pressed upon point *n* of hawk's bill B, as shown in Fig. 3, when it is quickly brought backward, as shown in Fig. 1, so that the chimney can easily be lifted out.

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

1. The peculiar construction of hawk's bill B, or its equivalent, as shown in Figs. 1, 2, 3, and 4, and the mode of throwing it either backward or forward, and holding it in either position by means of the wire lever *J*, or its equivalent, the ends of said lever being loose in perforations *h* and *k*.

2. The middle projection or tooth, *f*, or its equivalent, as shown in Figs. 1, 2, and 4, which throws the hawk's bill forward by gently pressing the base of the chimney upon it in—

dependently of the upper projection, *e*, which secures the chimney to the burner.

3. The position and the peculiar construction of the lever *J*, or its equivalent, as shown in Figs. 1 and 2, which throws the hawk's bill either backward or forward.

4. The hawk's bill *B*, or its equivalent, in combination with the mode of attaching it to the burner without solder, by means of the

bolt-supports *d*, formed in the shell of the burner, as shown in Fig. 5, the whole being arranged substantially as and for the purpose herein described.

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Witnesses:

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