

F. McCARTHY.

Shade and Draft Blowers for Grates.

No. 134,556.

Patented Jan. 7, 1873.

FIG. I.

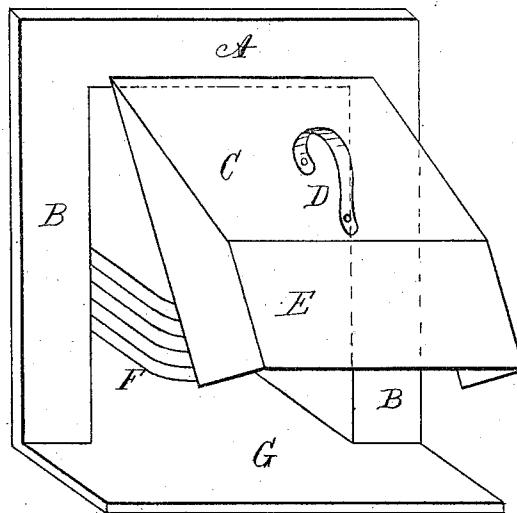
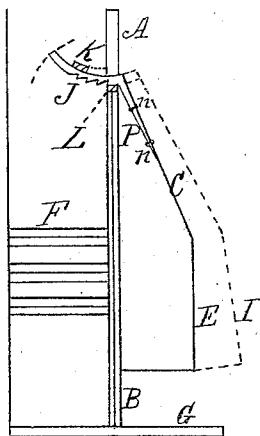


FIG. II.



WITNESSES

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UNITED STATES PATENT OFFICE.

FLORENCE McCARTHY, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN SHADES AND DRAFT-BLOWERS FOR GRATES

Specification forming part of Letters Patent No. 134,556, dated January 7, 1873.

To all whom it may concern:

Be it known that I, FLORENCE McCARTHY, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Shades and Draft-Blowers for Grates, of which the following is a specification:

This invention consists of a suitable draft-blower or shade provided with a curved bar at its upper end as a hanging support, whereby, by drawing the bar out of its socket or bearings in the grate-frame, the shade will be suspended at any angle desired, as hereinafter fully described and shown.

In the drawing, Figure 1 is a perspective representation of a grate-frame to which is suspended my improved draft-blower and shade; Fig. 2, a vertical central section of the device, showing the curved bar and the means for suspending it.

A B represent the face-frame of an ordinary grate, F, and G the hearth. C E represent an ordinary draft-blower, which I adjust to exclude light and heat by the following means: A curved bar, J, is fastened to the part C of the blower by means of an extended strap, P, and rivets *n n*. This segment or strap is provided with a series of serrations or notches on its under side, so that when the blower is adjusted outwardly from the frame B A the notches will catch on a bearing, L, Fig. 2, fastened to the lower edge of the frame-piece A, and hold the blower or shade in a fixed posi-

tion. To provide an upper support, that the bar J may be held in leverage, a bearing, K, is fastened to the back side of the frame-piece A, so that said bar passes between the bearings K L. Grate-frames are constructed in different forms, and some have round tops and molded faces; therefore the same bearings will not answer; but separate lugs can be cast, attaching the bearings K L, and fastened to the under edge of the part A by screws in a substantial manner. The shade will cover the lug so that the appearance of the grate-frame will not be marred, or the face A may have a slot in it, as at Fig. 2.

The operation is very simple, requiring only that the handle D be grasped with the hand and drawn a little upward when being drawn outward. This operation will bring the shade C E from the position shown in Fig. 2 to the position shown by dotted lines I; and, as will be seen, it can be adjusted in any other desired position to secure a proper draft and shut off the light or heat.

I claim and desire to secure by Letters Patent—

The adjustable draft-blower and shade C E, consisting of the parts C E, curved bar J, and suitable bearings K L, substantially as and for the purpose set forth.

FLORENCE McCARTHY.

Witnesses:

G. L. CHAPIN,
ORIN BUCK.