(No Model.)

G. H. TUTTLE.

FIREPLACE BLOWER.

No. 477,582. Patented June 21, 1892.

Fig. 1.

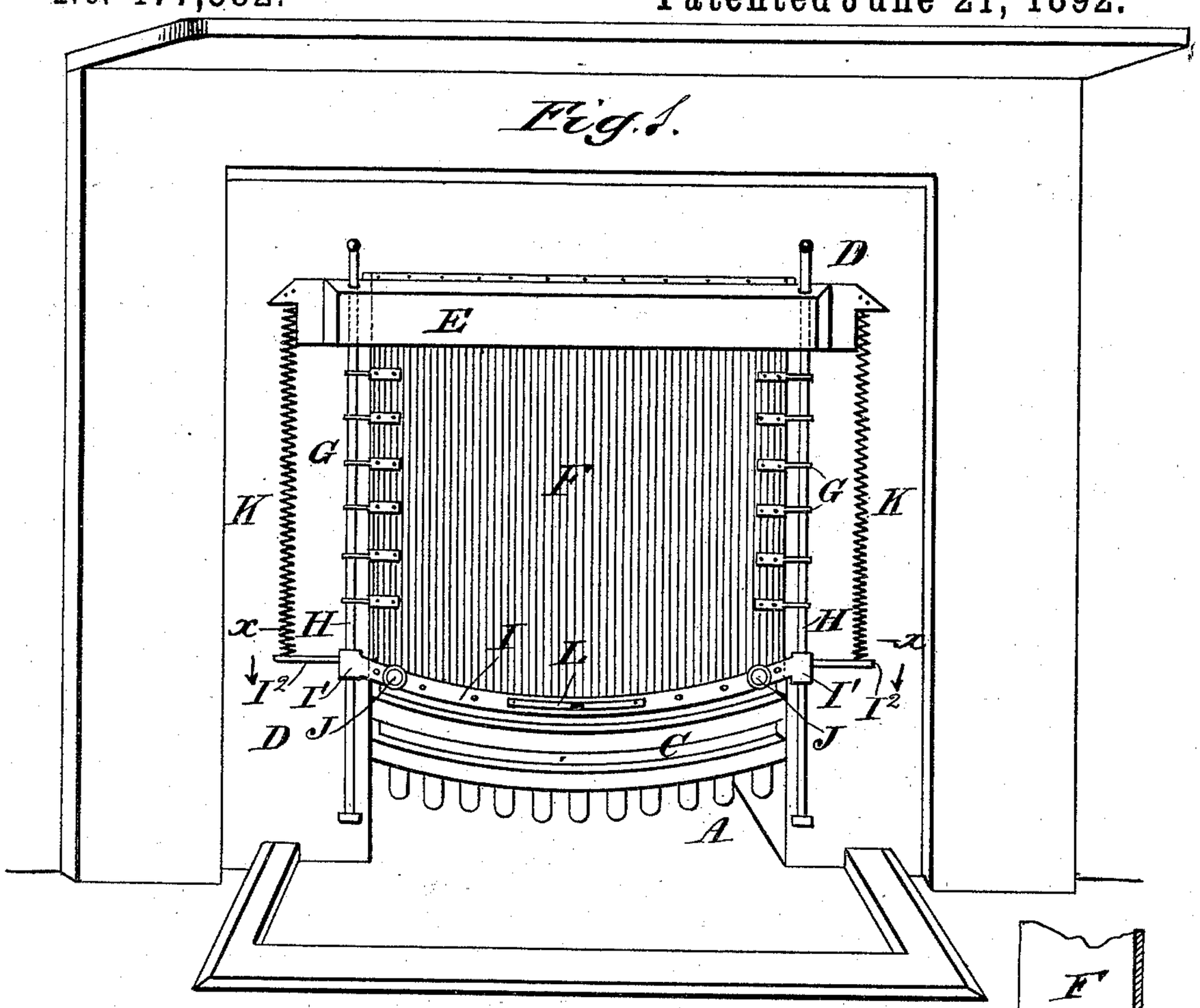


Fig. 2.

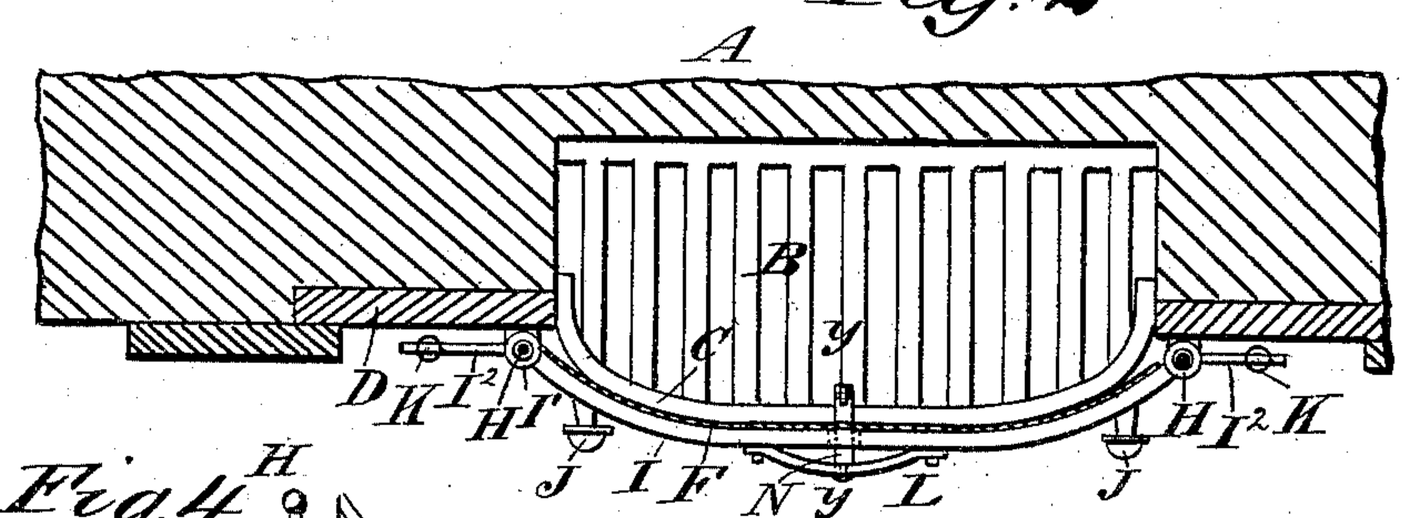
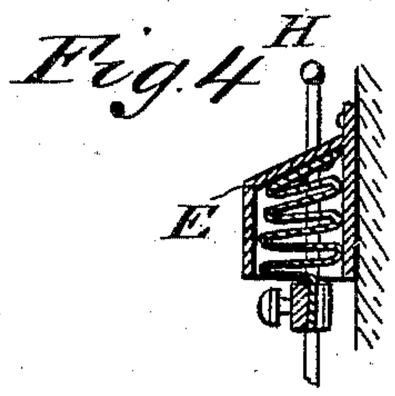


Fig. 4.



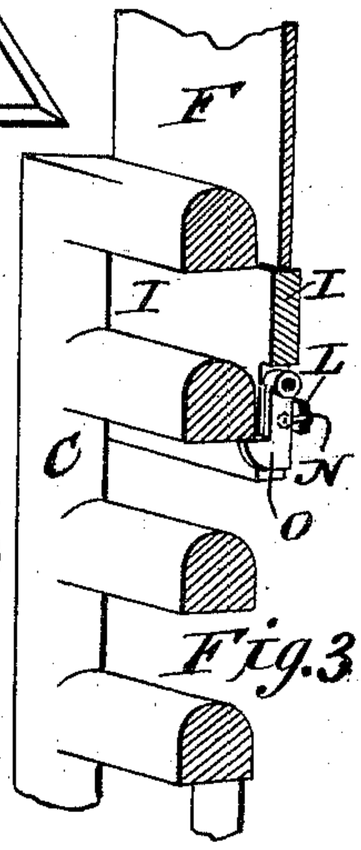


Fig. 3.

WITNESSES:

F. McArdle.

C. Sedgwick

INVENTOR:

G. H. Tuttle

BY Munn & Co.

ATTORNEYS

UNITED STATES PATENT OFFICE.

GUTIE H. TUTTLE, OF SHORTER'S DEPOT, ALABAMA.

FIREPLACE-BLOWER.

SPECIFICATION forming part of Letters Patent No. 477,582, dated June 21, 1892.

Application filed March 20, 1891. Serial No. 385,793. (No model.)

To all whom it may concern:

Be it known that I, GUTIE H. TUTTLE, of Shorter's Depot, in the county of Macon and State of Alabama, have invented a new and Improved Fireplace-Blower, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved fireplace-blower which is simple and durable in construction, can be readily lowered or raised to increase or diminish the draft of the chimney, is very ornamental in appearance, can be used as a screen in summer time, and is made of a fire-proof material to withstand the heat radiating from the burning fuel in the fireplace.

The invention consists of certain parts and details and combinations of the same, as will be hereinafter fully described, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front view of the improvement as applied. Fig. 2 is a sectional plan view of the same on the line *x x* of Fig. 1. Fig. 3 is a cross-section of the blower and basket, illustrating the principle of hooking the blower down over the fireplace. Fig. 4 is a transverse section of the cap, showing the apron folded therein.

The fireplace A, on which the improvement is applied, is provided with the usual grate B, the basket C, and the front or frame D. On the upper end of the latter is secured a cap E, open on the bottom and into which is adapted to fold an apron or curtain F, made of a fire-proof material, such as asbestus. The upper end of the apron or curtain F is secured by tacks or other devices to the inside of the cap E, as is plainly shown in Fig. 4. The apron is of a sufficient width to cover the opening in the front D down to the lower bar of the basket C. On the sides of the apron F are secured by suitable means eyes G, fitted to slide on vertically-arranged rods H, secured at their lower ends to the front D and at their upper ends in the cap E. The lower edge of the curtain or apron F is fastened to a curved bar I, provided at its ends with eyes I′, mounted to slide loosely on the rods H, previously mentioned.

On the front of the bar I are secured suitable handles J for conveniently raising and lowering the apron F, as is hereinafter more fully described. From the eyes I′ extend outwardly short arms I^2, each of which is connected with one end of a spring K, the upper end of which is attached to the sides of the cap E. The springs K serve to draw the apron F into the cap E and to hold it therein when not in use.

In order to hold the apron F in a lowermost position, a locking device is provided, preferably of the construction shown in the drawings. This locking device is provided with a spring-bar L, held at or near the middle of the bar I and carrying a rearwardly-extending rod N, pivoted to the hook O, which is pivoted in a slot of the said bar I, said hook being adapted to hook onto one of the bars of the basket C. (See Fig. 3.) When the hook O is disengaged from the basket C, the springs K in pulling on the arms I^2 cause the bar I to slide upward, thus folding the apron or curtain F into the cap E, as is plainly illustrated in Fig. 4. When the operator desires to close all of the fireplace-openings so as to increase the draft of the chimney, he takes hold of the handle J, presses the same downward, so as to force the bar I to slide downward on the rods H, thus drawing along the apron F, guided in its downward movement by the eyes G. The operator moves the bar I sufficiently downward to engage the hook O with one of the bars of the basket C, so that the said bar I and the apron F are locked in place in a lowermost position. By moving the bar I farther down onto one of the next lower bars of the basket C the draft may be still more increased, if desired.

It will be seen that the apron or the curtain F on account of being made of fire-proof material readily withstands the heat radiating from the burning fuel on the grate-bars B. The curtain can be painted with a fire-proof paint, so as to be very ornamental in appearance and serving as a screen in summer-time when the fireplace is not used for heating purposes.

In case the curtain F is drawn down and locked in place and the heat of the fireplace heats the basket C, bar I, and spring-bar L to a great extent, so that the several parts

mentioned expand, then the hook O becomes automatically disconnected from the basket C and the curtain is drawn up by its springs, thus reducing the draft.

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

1. In a fireplace-blower, the combination, with a cap fixed to the fireplace, of vertically-extending rods held on the front of the said fireplace and passing through the said cap, an apron or curtain made of a fire-proof material and secured at its upper end to the inside of the said cap, and eyes secured on the sides of the said curtain or apron and fitted to slide on the said rods, substantially as shown and described.

2. In a fireplace-blower, the combination, with a cap fixed to the fireplace, of vertically-extending rods held on the front of the said fireplace and passing through the said cap, an apron or curtain made of a fire-proof material and secured at its upper end to the inside of the said cap, eyes secured on the sides of the said curtain or apron and fitted to slide on the said rods, and a handled bar connected with the lower end of the said curtain or apron and also fitted to slide on the said rods, substantially as shown and described.

3. In a fireplace-blower, the combination, with a cap fixed to the fireplace, of vertically-extending rods held on the front of the said fireplace and passing through the said cap, an apron or curtain made of a fire-proof material and secured at its upper end to the inside of the said cap, eyes secured on the sides of the said curtain or apron and fitted to slide on the said rods, a handled bar connected with the lower end of the said curtain or apron and also fitted to slide on the said rods, and springs connected with the said bar, substantially as shown and described.

4. In a fireplace-blower, the combination, with a cap fixed to the fireplace, of vertically-extending rods held on the front of the said fireplace and passing through the said cap, an apron or curtain made of a fire-proof material and secured at its upper end to the inside of the said cap, eyes secured on the sides of the said curtain or apron and fitted to slide on the said rods, a handled bar connected with the lower end of the said curtain or apron and also fitted to slide on the said rods, and a locking device, substantially as described, for fastening the said bar to one of the bars of the basket, substantially as set forth.

GUTIE H. TUTTLE.

Witnesses:
A. G. TUTTLE,
L. A. LYON.