(No Model.)

H. F. BAKER.

FIRE PLACE BLOWER.

No. 354,173. Patented Dec. 14, 1886.

Fig. 1.

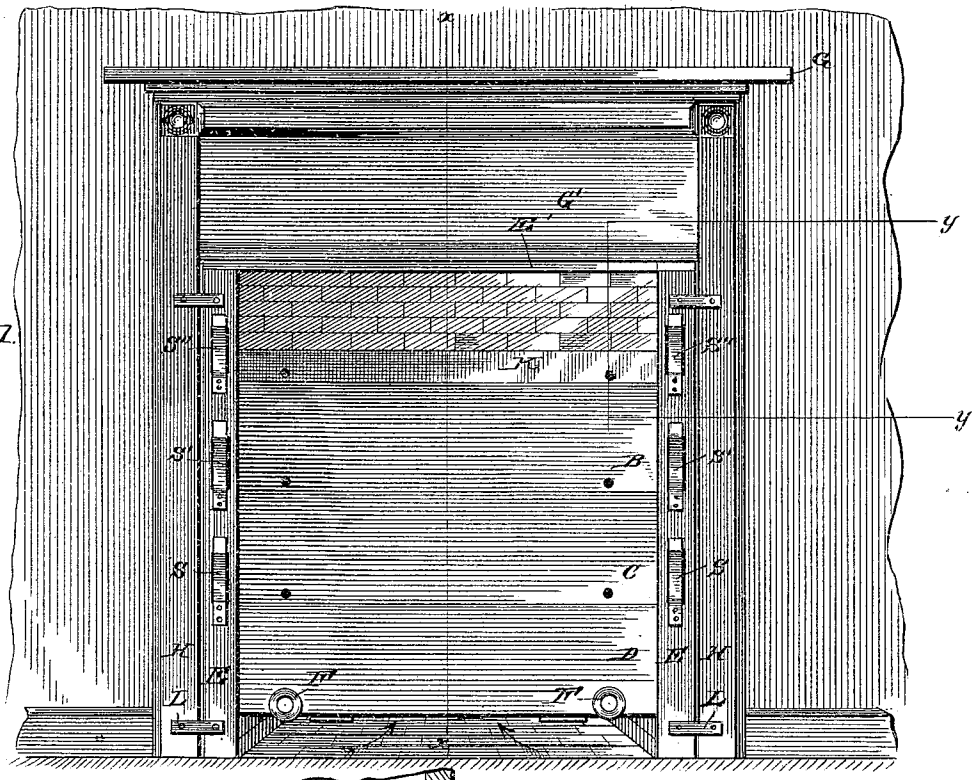


Fig. 2.

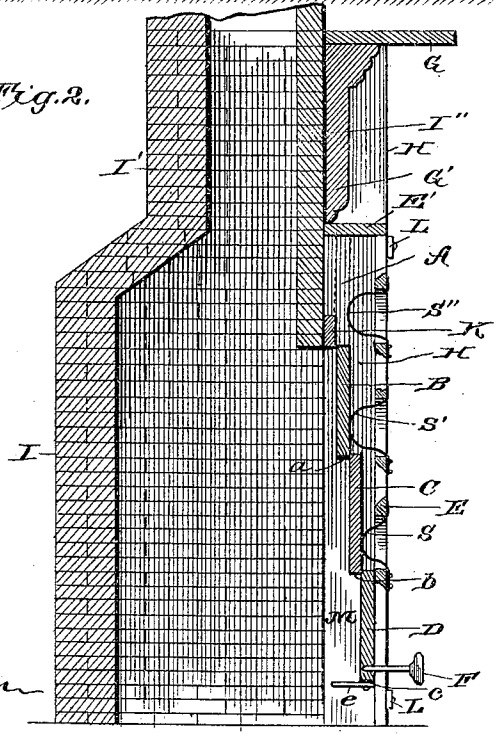
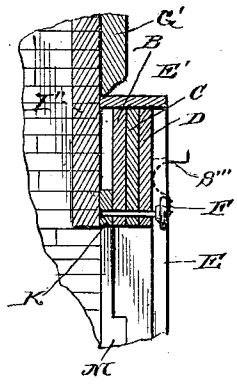


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

HENRY F. BAKER, OF JOSHUA, TEXAS.

FIRE-PLACE BLOWER.

SPECIFICATION forming part of Letters Patent No. 354,173, dated December 14, 1886.

Application filed April 19, 1886. Serial No. 199,308. (No model.)

To all whom it may concern:

Be it known that I, HENRY F. BAKER, a citizen of the United States, residing at Joshua, in the county of Johnson and State of Texas, have invented certain new and useful Improvements in Fire-Place Blowers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in blowers or draft-boards for fire-places, and is fully described and explained in the following specification and shown in the accompanying drawings, in which—

Figure 1 is a front elevation of a fire place provided with my improved blower. Fig. 2 is a vertical section thereof through the line *x x*, Fig. 1. Fig. 3 is a vertical section through the line *y y*, Fig. 1, the sections of the blower being raised to the top of the frame.

In these views, I is the rear wall of an ordinary fire-place, and I′ I″ are the rear and front walls of the smoke-flue leading therefrom. G is the mantel, and G′ the frieze below the same, and H H are the usual ornamental columns or pilasters placed at opposite sides of the fire-place and supporting or appearing to support the mantel.

Within the rectangular space bounded by the frieze G′ and the pilasters H H is placed a frame consisting of a top board, E′, and two sides, each of which is made up of a vertical front piece, E, and a back piece, M, the front pieces, E E, being fastened to the pilasters by ties or straps L L, and the back pieces, M M, being nailed or screwed to the front pieces, E E, and the top board, E′. The rear edge of each of the back pieces, M, is a straight line, resting against the front face of the brick-work; but the front edge of each of said pieces is formed into a series of steps, *a b c*, the steps *c* being near the lower end of the back piece and the steps *b a* being placed at equal intervals above the steps *c*, while a distance equal to double the space between the steps *b a* separates the step *a* from the top board, E′. A cross-piece, K, is preferably placed between the two back pieces, M M, and extends across the brick-work at such a height that its lower edge is midway between the step *a* and the top board, E′.

The blower proper consists of three sections, B C D, which, when in use, rest on the steps *a b c*, respectively, and are of such width that the upper edge of each of the sections C D is in contact with the lower edge of the section above it, and the upper edge of the section B is in contact with the lower edge of the cross-piece K. The three sections, when in place on the steps *a b c*, thus form a continuous screen, extending from the lower edge of the brick-work I″ to a point a short distance above the hearth, and so cut off any supply of air to the fire-place, except at the bottom thereof. When so in place, the lower section, D, fits in the space between the front piece, E, and the back piece, M, and the sections B C are held back to their places by springs S′ S, attached to the front pieces. The lower section is provided with two headed pins or set-screws, F, which extend through it, and by means of which it may be lifted, and the sections B C and cross-piece K are preferably pierced by holes so placed as to register with the pins F when the sections are raised. The lower section, D, is also provided with catches *e* preferably at the bottom, as shown, and so formed and attached as to catch the sections above the section D when the latter is raised sufficiently. It is evident that if the lower section, D, be moved upward the catches *e* will strike first the lower edge of the section C, then that of the section B, and finally the lower edge of the cross-piece K, and that when the sections are all fully raised, as shown in Fig. 3, the pins F may be pressed into the holes in the sections and cross-piece, and will then sustain the sections in such raised position. The section D may be secured in position equally well if it be raised only until the catches *e* strike the section C, leaving only a single space open at the bottom; or, if it be desired to open the top space, the section B may be moved upward and fastened by passing the pins F through it and through the cross-piece K; or any one or more of the sections may be removed wholly from the frame, if desired. The draft of the fire-place may thus be thoroughly regulated, as well as the space from which the heat of the fire radiates, since any desired part of the fire-place may be left open or kept closed.

The device above described may be readily attached to any fire-place or detached there-

from without marring the finish or trimmings thereof, and it is of such simple construction that any mechanic can make it and put it in place.

I am aware that I am not the first to produce a fire-place blower or draft-board; hence I do not claim such a device, broadly; but

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

1. The combination, with the jambs of a fire-place, of a frame consisting of front pieces, E E, detachably fastened to the jambs, back pieces, M M, fastened to the respective front pieces and formed with steps *a b c*, and a top board, E′, connecting the sides of the frame, together with sections B C D, resting on the steps *a b c* and forming a fire-screen and blower, substantially as and for the purpose set forth.

2. The combination of the front pieces, E, the springs S, attached thereto, the back pieces, M, having steps *a b c*, and the sections B C D, resting on said steps and held in place by said springs, respectively.

In testimony whereof I have affixed my signature in presence of two witnesses.

HENRY F. BAKER.

Witnesses:
J. H. BOWMAN,
W. S. JOHNSON.