

L. A. BRIGHT.
VENTILATING DEVICE.
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984,262.

Patented Feb. 14, 1911.

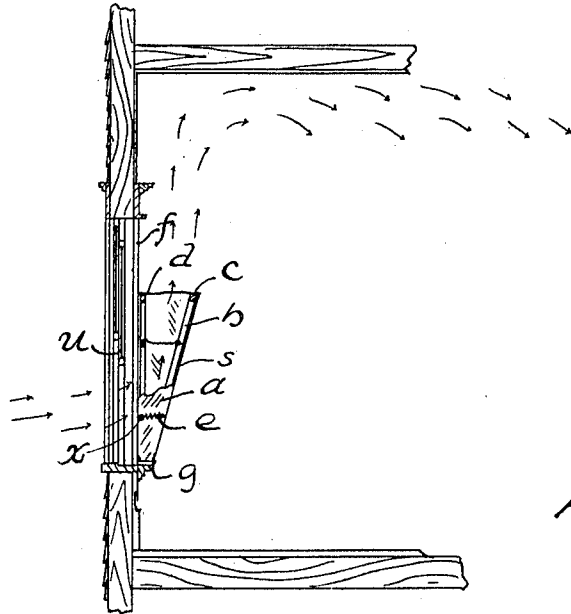


Fig. 1.

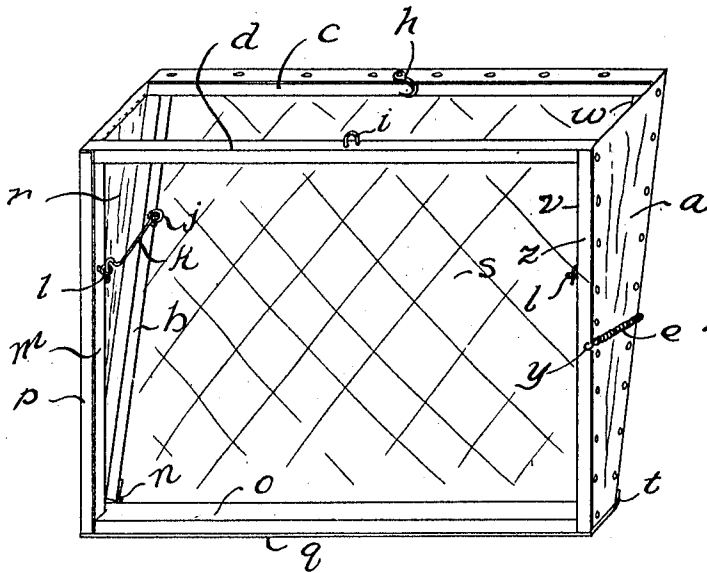


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

LENA A. BRIGHT, OF BUCHANAN COUNTY, IOWA.

VENTILATING DEVICE.

984,262.

Specification of Letters Patent.

Patented Feb. 14, 1911.

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To all whom it may concern:

Be it known that I, LENA A. BRIGHT, a citizen of the United States of America, and a resident of Buchanan county, Iowa, have invented certain new and useful Improvements in Ventilating Devices, of which the following is a specification.

My invention relates to improvements in ventilating devices, and the object of my improvements is to provide a suitable device for application to an opened window, whereby an entering draft of air may be deflected upwardly, for more equable distribution throughout a room, and direct drafts upon the inmates avoided. This object I have accomplished by the means which are hereinafter described and claimed, and which are illustrated in the accompanying drawings, in which:

Figure 1 is a diagrammatic view of a portion of a room provided with an opened window, with my improved deflecting device mounted in said window-casing, partly in section, and in use for changing the direction of an entering current of air. Fig. 2 is an enlarged perspective view of my said deflecting-device, showing it spread open to its operative position.

My draft deflecting-device is formed of two square frames, one being open and constructed of the pieces *d*, *m*, *v* and *o*, while the other is closed by a covering of cloth *s* or other material of a suitable nature, and made of the three pieces *c*, *b* and *w*, the lower ends of the side-pieces *b* and *w* being connected to the broad lower piece *o* of the first-mentioned frame by means of hinges *n* and *t*. The openings between the said frames at the sides are closed by means of cloth coverings *a* and *r*. A staple *i* on the bar *d* of the open frame is adapted to receive the hook *h* on the top bar *c* of the closed frame, when said frames are closed together. When the frames are separated and spread apart for use, they are held in this position by hooks *k* hung on eyelets *j* on the inside faces of the side bars of the closed frame, said hooks engaging detachably the eyelets *l* on the inside faces of the side bars of the said open frame. The open box thus formed is made of a proper size to fit snugly within the lower part of a window-casing covering at least the major por-

tion of the lower sash, with the open top between the top bars *c* and *d*, projecting into the room.

In order to insure a close fit between the bottom and side pieces of the device with the window sill and casing, I place a strip of felt or other suitable material *q* along the under side of the lower bar *o*, and similar pieces *p* and *z* along the bars *m* and *v* where they will contact with the casing-strips. These strips prevent leakage of air between said bars and the casing, the whole draft passing through the opening of the said open frame into the device, where it is deflected upwardly by the covering *s*.

To secure the device to the casing, small eyelets *x* are inserted in the window framing, and are detachably engaged by the hooks *y* on the tension-springs *e*, whose other ends are secured to the side bars of the said closed frame. It is obvious, however, that other fastening-means for the parts of the device than those specifically described may be adopted without departing from the principles of my invention.

As shown in the diagrammatic view, a draft of air passing under a raised lower sash *u* enters the deflecting-device which is mounted in the opening between the sill *g* and casings *f*, and is deflected upwardly in a direction indicated by the arrows. The air-current moves toward the ceiling, where it is again deflected and mingles gradually and evenly with the air of the room, no part of the draft being permitted to impinge upon an occupant of the room. In this way a room is successfully ventilated, without danger to the occupants. When not in use the device may be easily detached from the casing, folded, and laid away, being light and not bulky.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is:

A ventilating device, comprising a base-piece fitted to the lower sill of a window-casing detachably, an open rectangular frame supported on said base-piece within said casing and adapted to overlie an opening between said sill and the window in said casing, another rectangular frame hinged to said base-piece and extending into the room, collapsible coverings uniting the side up-

rights of both said frames, a covering for the second-mentioned rectangular frame, detachable means for holding said frames apart, tensional connections secured detachably between said device and said casing, pads mounted on the lower surface of said base-piece and on the outer sides of the up-
rights of the first-mentioned rectangular frame and adapted to contact with said sill

and casing sides to seal the interstices between the same and said device. 10

Signed at Independence, Iowa, this 17th day of March, 1910.

LENA A. BRIGHT.

Witnesses:

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