No. 671,851. Patented Apr. 9, 1901.

# W. AMOS.

## ADJUSTABLE VENTILATING DEFLECTOR.

(Application filed Dec. 23, 1898.)

(No Model.)

FIG. 1.

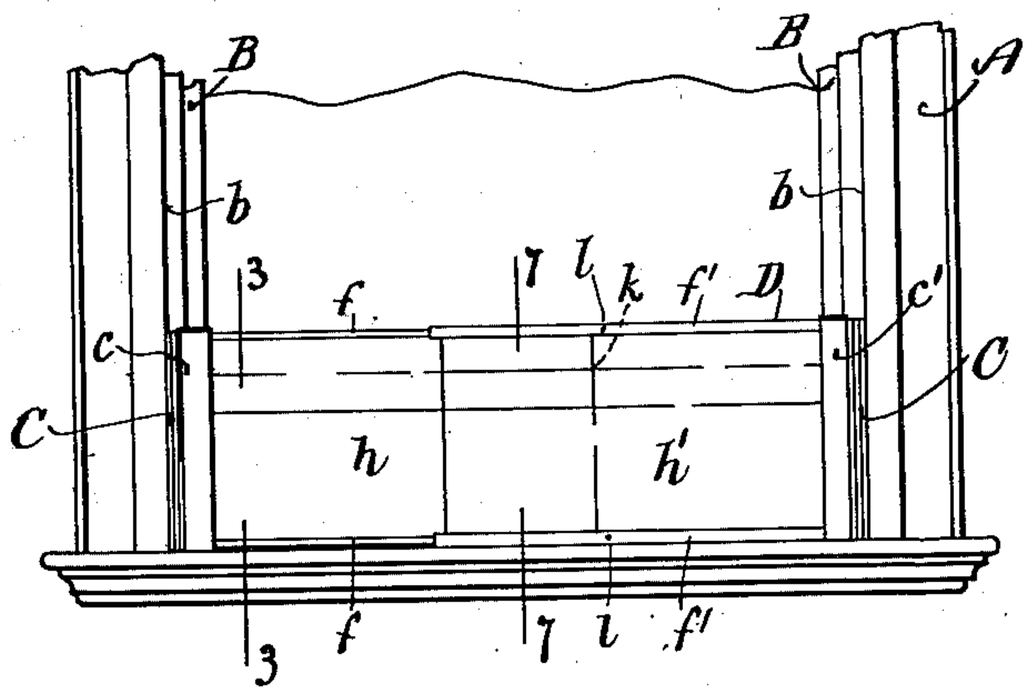
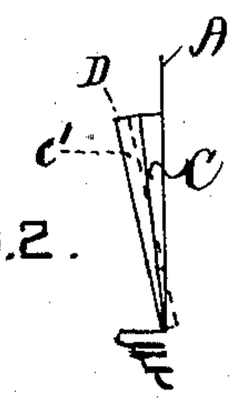



FIG. 2.



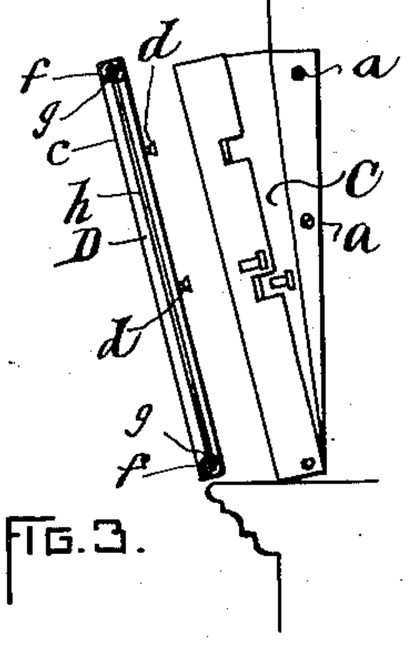




FIG. 3.

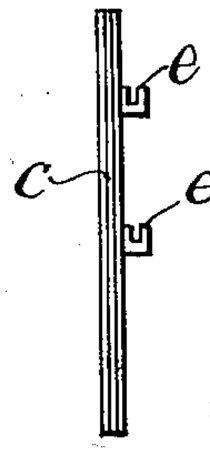



FIG. 4.

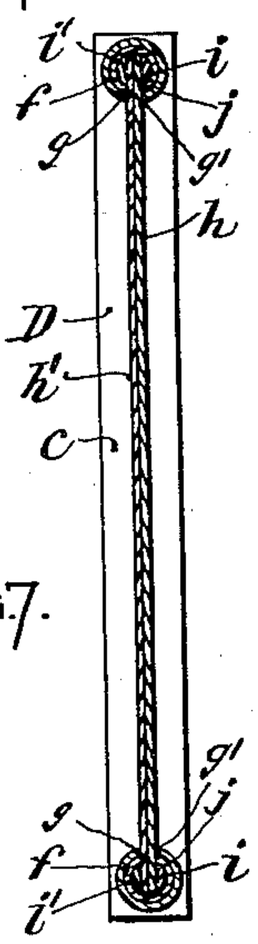



FIG. 5.

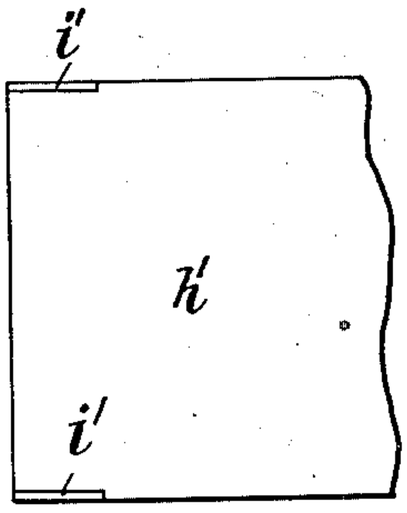




FIG. 6.

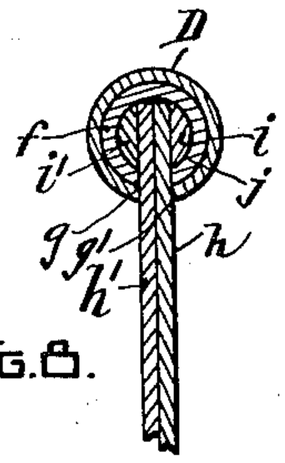



FIG. 8.

FIG. 7.

WITNESSES:

Harry J. Gaucan

Andrew J. Pitcher

INVENTOR:

William Amos,

By S. Scholfield —

ATTY.

# UNITED STATES PATENT OFFICE.

WILLIAM AMOS, OF PROVIDENCE, RHODE ISLAND.

## ADJUSTABLE VENTILATING-DEFLECTOR.

SPECIFICATION forming part of Letters Patent No. 671,851, dated April 9, 1901.

Application filed December 23, 1898. Serial No. 700,170. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM AMOS, a citizen of the United States, residing at Providence, in the State of Rhode Island, have invented a new and useful Improvement in Adjustable Ventilating-Deflectors, of which the following is a specification.

The nature of my invention consists in the improved construction of the frame of the deflector and its connection with the lapped panes of glass, as hereinafter fully set forth.

In the accompanying drawings, Figure 1 represents a detail view of a window provided with my improved ventilating-deflector. Fig. 2 represents an end view of the deflector as connected to the window-frame. Fig. 3 represents an enlarged section taken in the line 3 3 of Fig. 1. Fig. 4 represents an edge view of the folding bracket shown in Fig. 3. Fig. 5 represents an inner view of one of the panes of glass, showing the means employed for preventing the spreading of the meeting ends of the opposite telescoping tubes of the frame from the edges of the panes of glass. Fig. 6 represents a detail side view of the same. Fig. 7 represents an enlarged section taken in the line 7 7 of Fig. 1. Fig. 8 represents a still further enlarged detail section, as in the line 7 7 of Fig. 1.

In the drawings, A represents the window-frame, B the window-sash, and C C the folding brackets employed to hold the deflecting-sash D, the said brackets being secured, by means of the screws *a a*, to the inner side *b b* of the window-frame. The end pieces *c c'* of the deflecting-sash D are provided with the studs *d d*, which engage with the notches *e e* of the brackets and serve to hold the sash D in removable connection therewith, the said notches *e e* being made in the ears *m m*, which are formed by turning a portion of the sheet metal of the bracket outwardly at right angles to its surface The end piece *c* of one of the sliding members of the deflecting-sash is provided with the parallel tubes *f f*, one of which constitutes an upper and the other a lower telescoping bar of the frame of the deflector, the said tubes being provided at their contiguous sides with the longitudinal slots *g g*, in which is placed the pane of glass *h*, the said pane of glass being secured to the end piece *c* and provided at its outer end with the splines *i i*, attached to one side of the glass and adapted to loosely fit the cavity *j* of the tube *f* at one side of the glass *h*, as shown in Fig. 8. The end of the glass *h* is indicated by the broken line *k* in Fig. 1, and the tubes *f* preferably extend for a short distance beyond the end of the glass *h*, as indicated by the dots 1 1. The end piece *c'* of the opposite sliding member of the deflecting-sash D is provided with the parallel tubes *f' f'*, one of which constitutes an upper and the other a lower telescoping bar of the frame of the deflector, the said tubes being made of such diameter as to slide readily over the corresponding tubes *f f* of the opposite sliding member and also provided with the longitudinal slots *g' g'*, in which is placed the pane of glass *h'*, which is adapted to slide by the side of the opposite pane of glass *h*, as indicated in Fig. 7. The glass *h'* may also be provided with the attached splines *i' i'*, which are adapted to slide loosely in the cavity *j* of the inner tube *f* and also serve to prevent the spreading of the inner ends of the tubes away from the edges of the glass.

My improved ventilating-deflector is adapted for extension to fit any size of window-frame and constitutes a desirable article of manufacture.

I claim as my invention—

In an adjustable ventilating-deflector, the combination of the end piece *c*, the parallel tubes *f f* connected therewith, and provided with the longitudinal slots *g*, *g*, the pane of glass *h* provided at its outer end with the splines *i*, *i*, attached to one side of the glass, and adapted to fit the cavities of the tubes, at one side of the glass, with the end piece *c'*, and the parallel tubes *f' f'*, arranged to slide over the tubes *f f*, and provided with the slots *g'*, *g'*, and the pane of glass *h'*, held in the said slots, and adapted to slide by the side of the opposite pane of glass *h*, substantially as described.

WILLIAM AMOS.

Witnesses:
SOCRATES SCHOLFIELD,
ANDREW J. PITCHER.