

No. 630,791.

Patented Aug. 8, 1899.

W. AMOS.

VENTILATING DEFLECTOR FOR WINDOWS.

(Application filed Apr. 9, 1896.)

(No Model.)

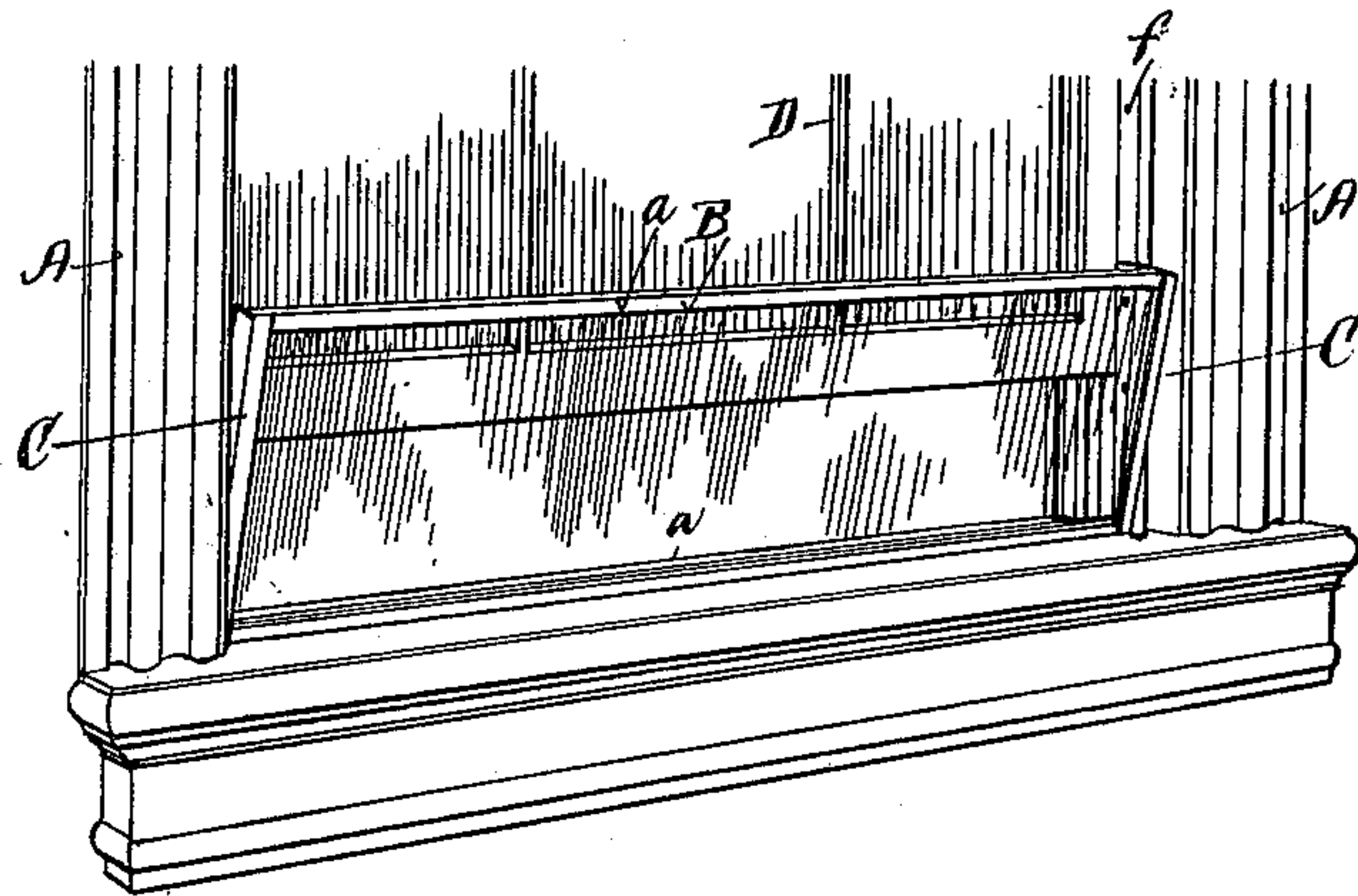


FIG. 1.

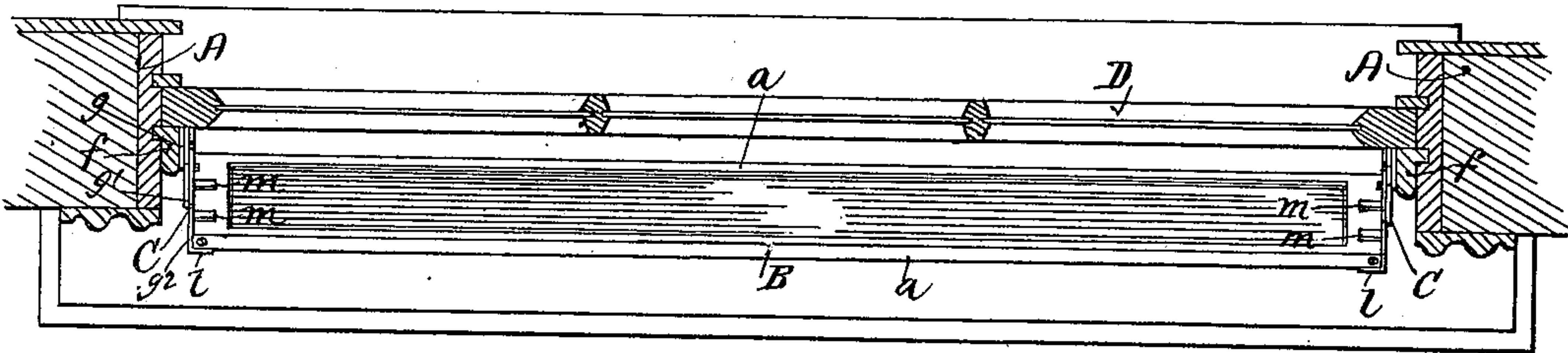


FIG. 2.

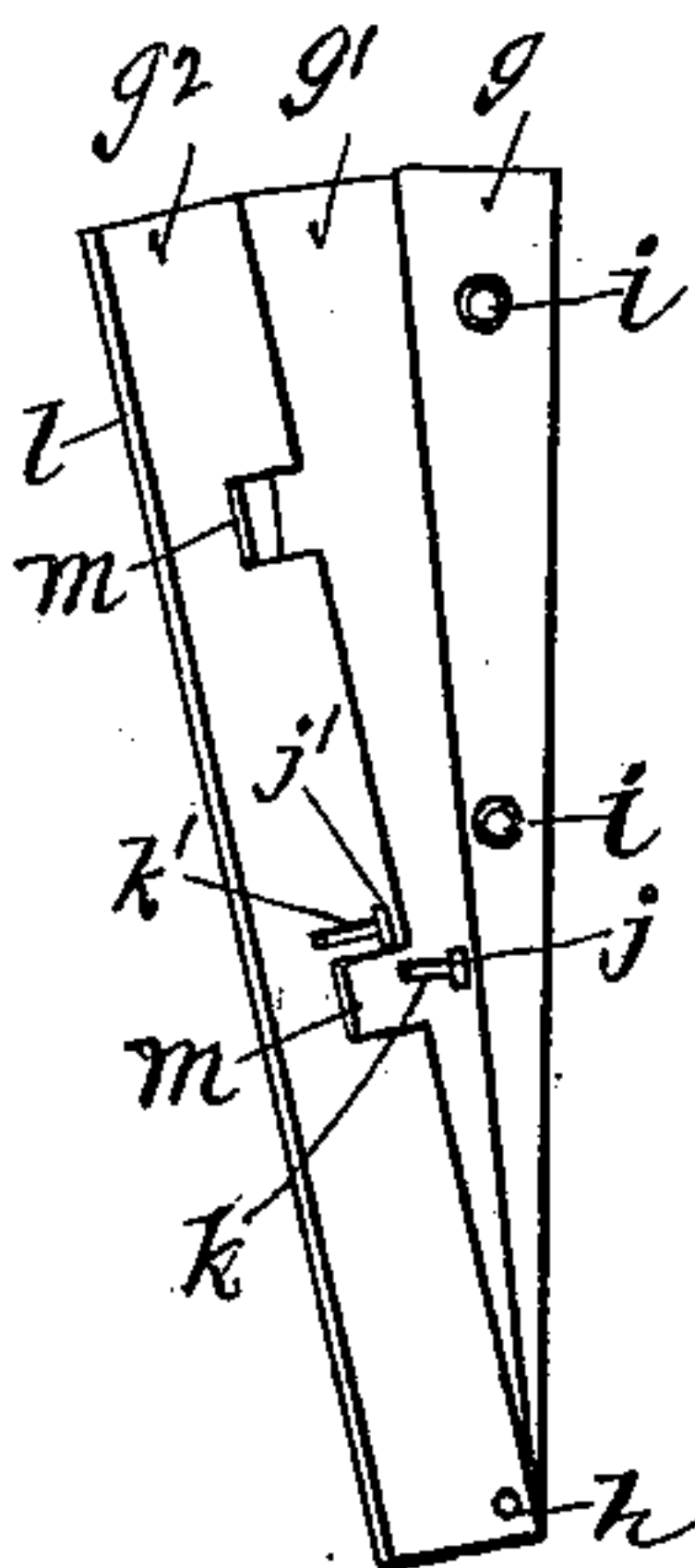


FIG. 3.

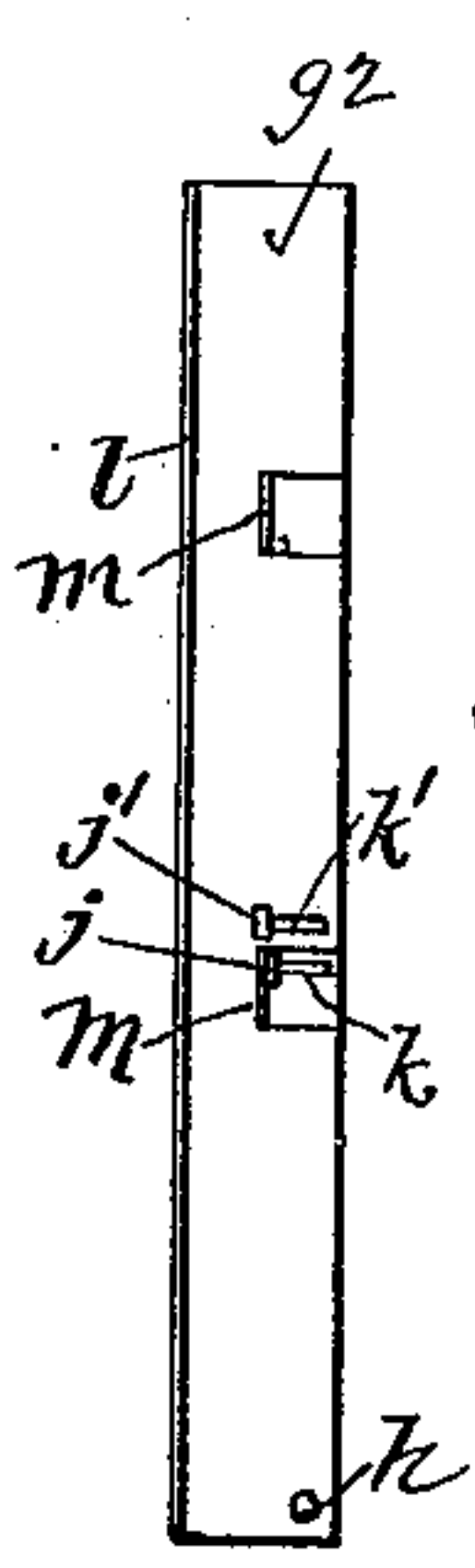


FIG. 4.

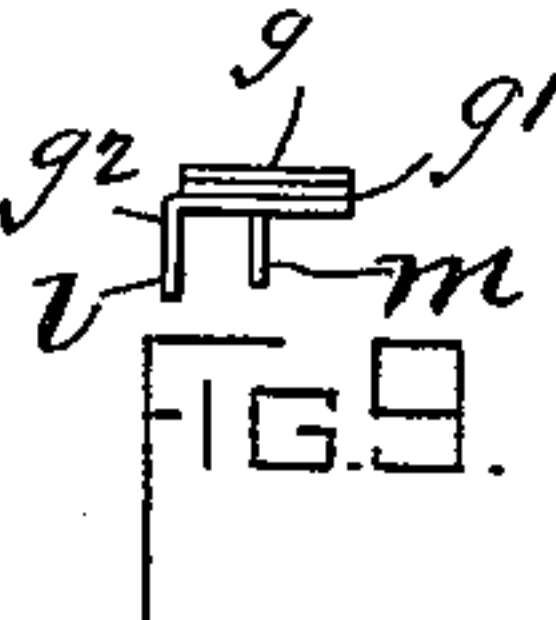


FIG. 5.

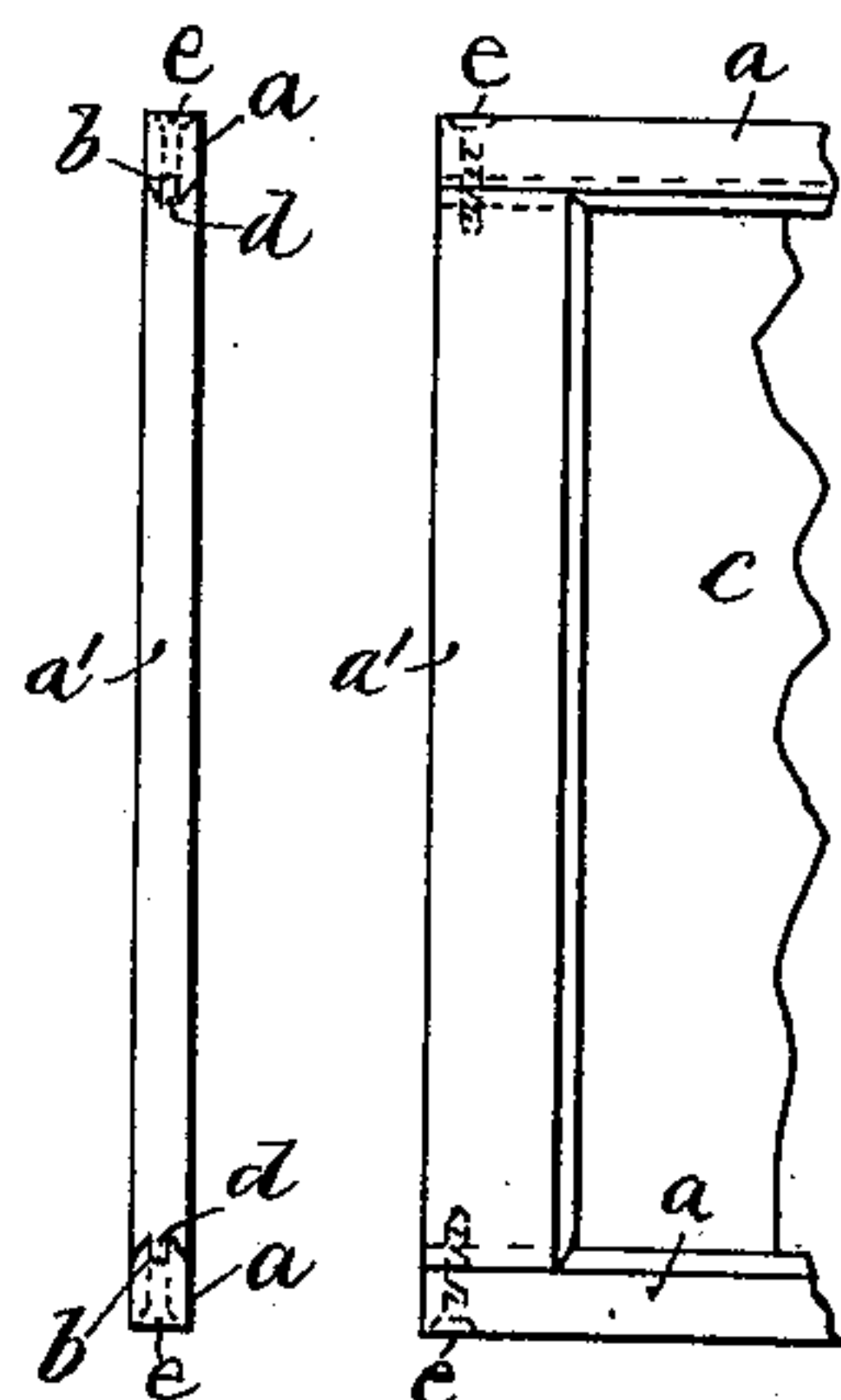


FIG. 6.

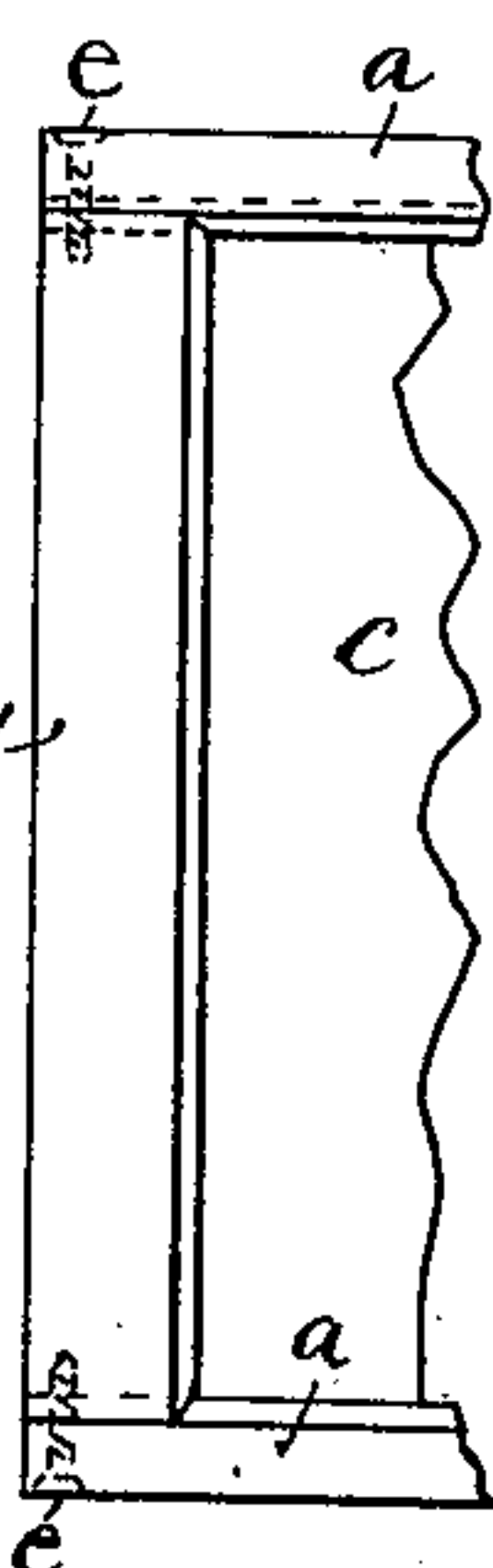


FIG. 7.

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FIG. 8.

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UNITED STATES PATENT OFFICE.

WILLIAM AMOS, OF PROVIDENCE, RHODE ISLAND.

VENTILATING-DEFLECTOR FOR WINDOWS.

SPECIFICATION forming part of Letters Patent No. 630,791, dated August 8, 1899.

Application filed April 9, 1896. Serial No. 586,874. (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 Ventilating-Deflectors for Windows, of which the following is a specification.

The nature of my invention consists in the improved construction of the removable sash of the deflector, whereby it is adapted for change in length to suit the varying widths of the windows to which the deflector is to be applied, in the employment of the deflector for the purpose of a sign, and in the folding construction of the brackets which serve to hold the deflector and prevent the incoming air from escaping around the ends of the same.

In the accompanying drawings, Figure 1 represents a perspective view of the lower portion of a window provided with my improved ventilating-deflector and folding brackets. Fig. 2 represents an enlarged sectional view showing a top view of the ventilating-deflector and the brackets. Fig. 3 represents an enlarged side view of one of the folding brackets in its opened condition. Fig. 4 represents the same in its closed condition. Fig. 5 represents an end view of the same. Figs. 6, 7, and 9 are detail views showing the construction of the deflecting-sash. Fig. 8 represents the deflecting-sash adapted for a sign.

In the drawings, A represents the window-frame, and B the deflecting-sash, the upper and lower rails a a of which are provided with a groove b , adapted to receive the edge of the glass c , and the end bars a' a' of the sash are provided with the tenons d d , which are adapted to enter the groove b and to be fastened at any required position therein by means of the screws e e , whereby if the sash is too long for the window the upper and lower rails and the glass can be cut off to the proper length and the bar a' moved inward without requiring the cutting of a mortise in the rails, as in ordinary sash, the tenon d extending only to the bottom of the groove b .

The folding bracket C is attached to the stop-bead f of the window-frame and is formed of the plates g g' g^2 , which are pivoted to each other at the point h and adapted for angular opening movement, as shown in Fig. 3. The plate g is provided with the screw-hole i i for attachment to the stop-bead f of the window-frame and with the stop-stud j , which passes through the slot k , made in the plate g' , the said plate g' being provided with the stop-stud j' , which passes through the slot k' of the plate g^2 , thus limiting the opening movement of the bracket. The plate g^2 is provided with the turned edge l and with the turned-up studs m m , which serve to form the inner bearing for the end bar of the sash, the outer bearing being formed by the turned edge l , the sash B being loosely held between them, so as to be readily removed from the bracket.

The inclined position of the ventilating-deflector when in use is shown in Fig. 1, and when not in use the deflector may be folded up to a position parallel with the window-sash D, so as not to project into the room.

The deflector when in use being set at an angle with the window-sash causes a distinct reflection of light, and is therefore well adapted for the purpose of a sign, such as shown in Fig. 8, the letters being formed of gold or metallic leaf or otherwise, as desired, a transparent sign in a ventilator of this character being very attractive.

I claim as my invention—

In a ventilating-deflector, the sash B, having the upper and lower rails a , a , provided with a groove b , adapted to receive the edge of the glass c , and the end bars a' , a' , provided with the tenons d , d , extending only to the depth of the grooves for the glass, and secured by screws e , substantially as and for the purpose specified.

WILLIAM AMOS.

Witnesses:

SOCRATES SCHOLFIELD,
HARRY J. GARCEAU.