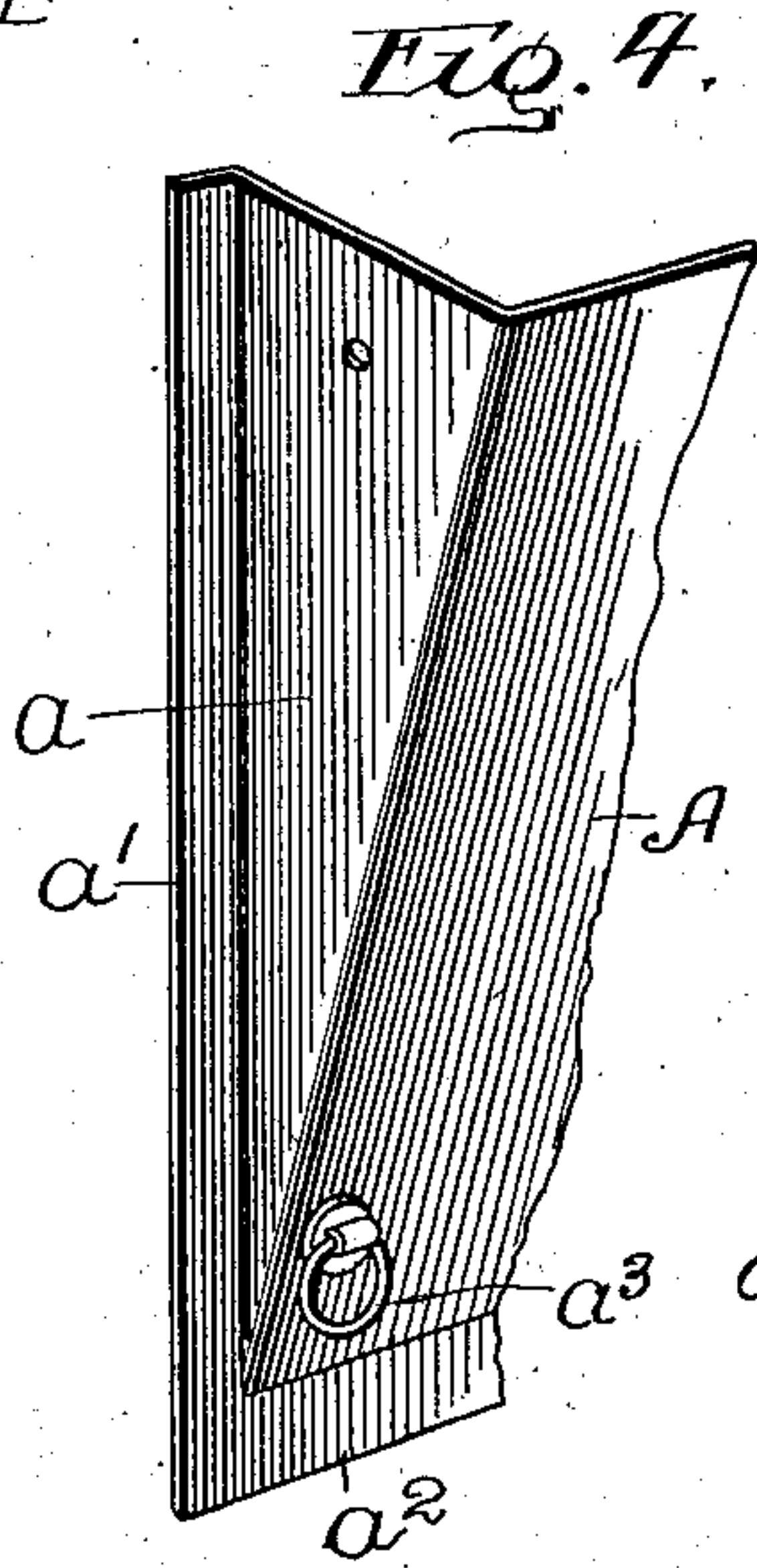
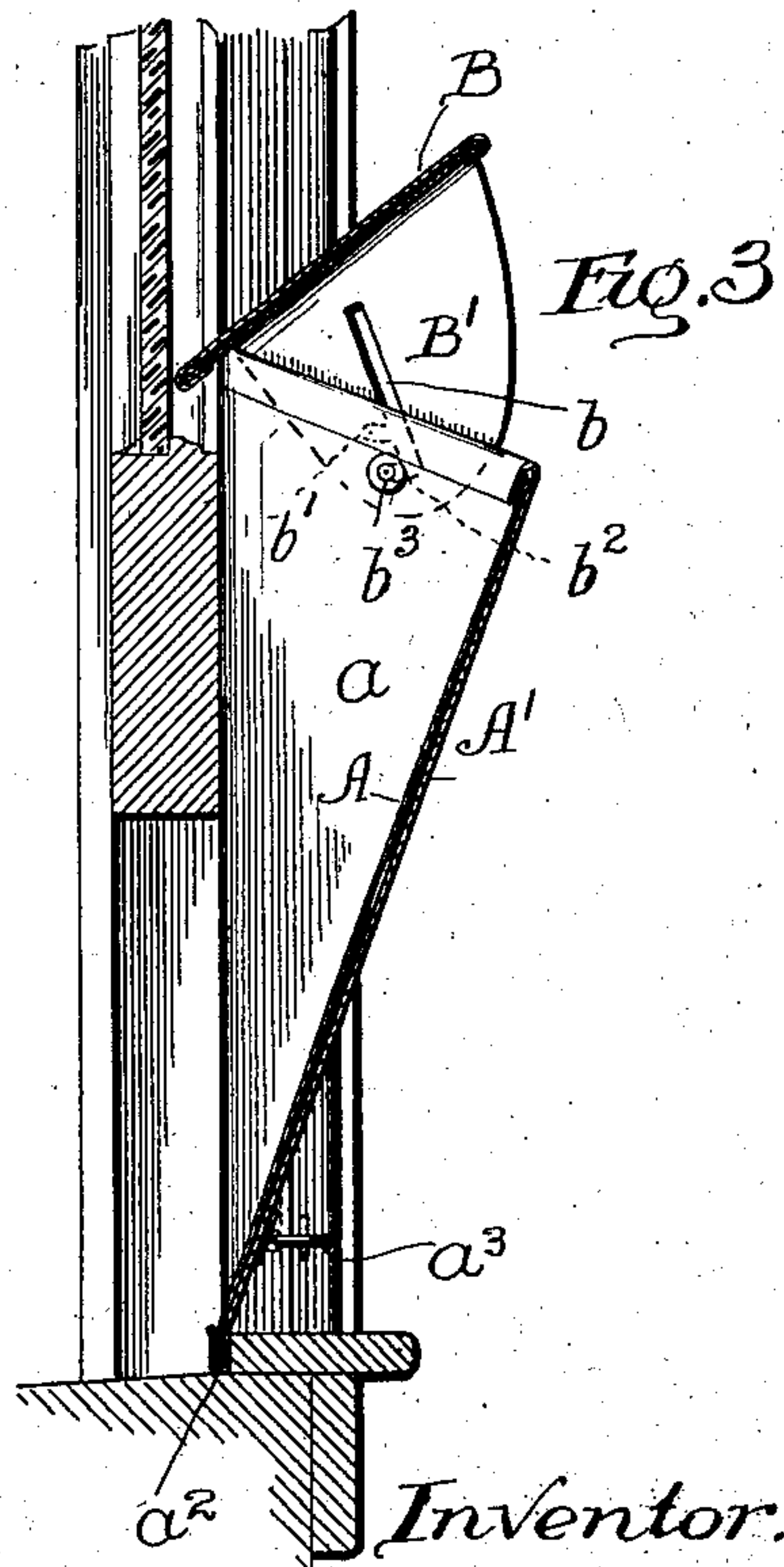
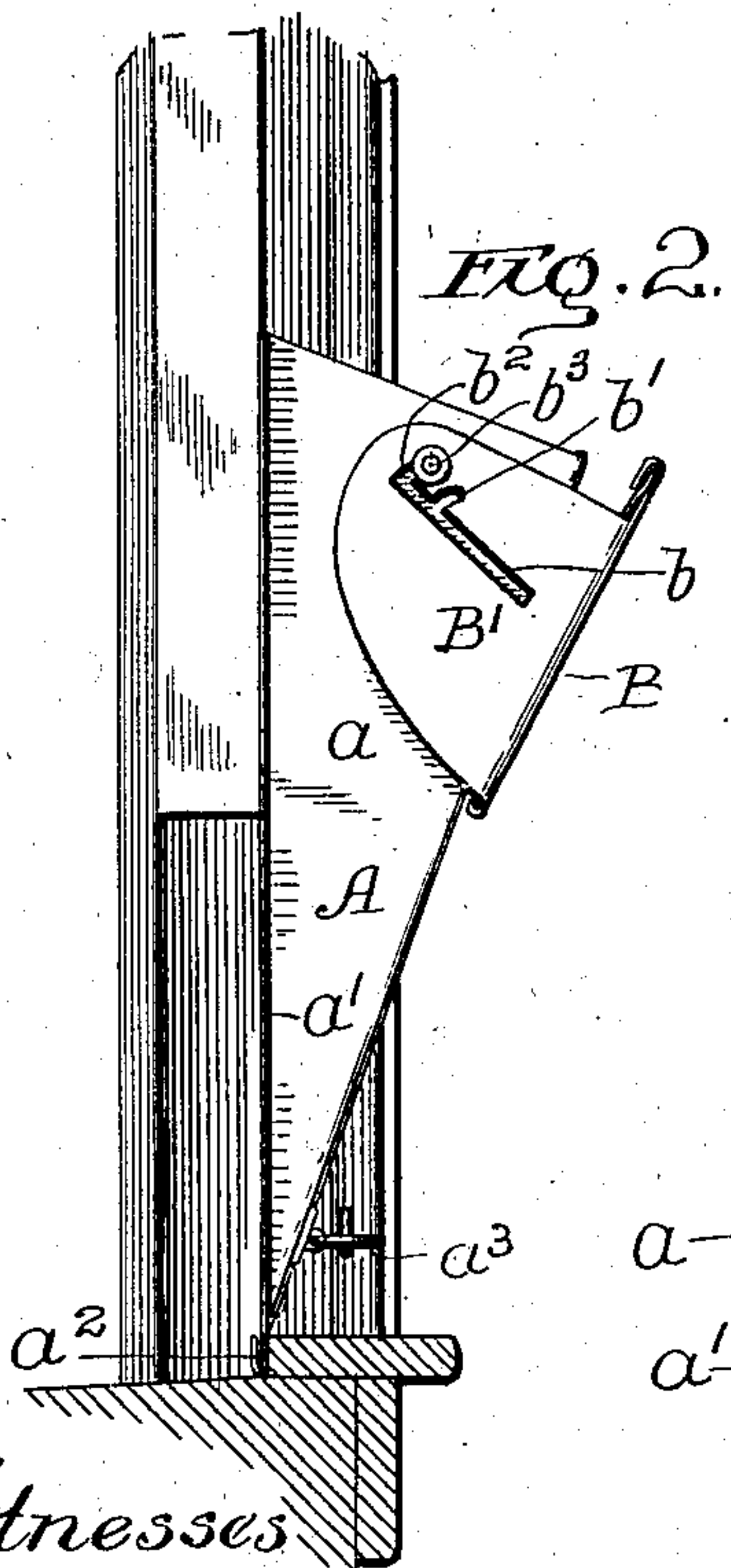
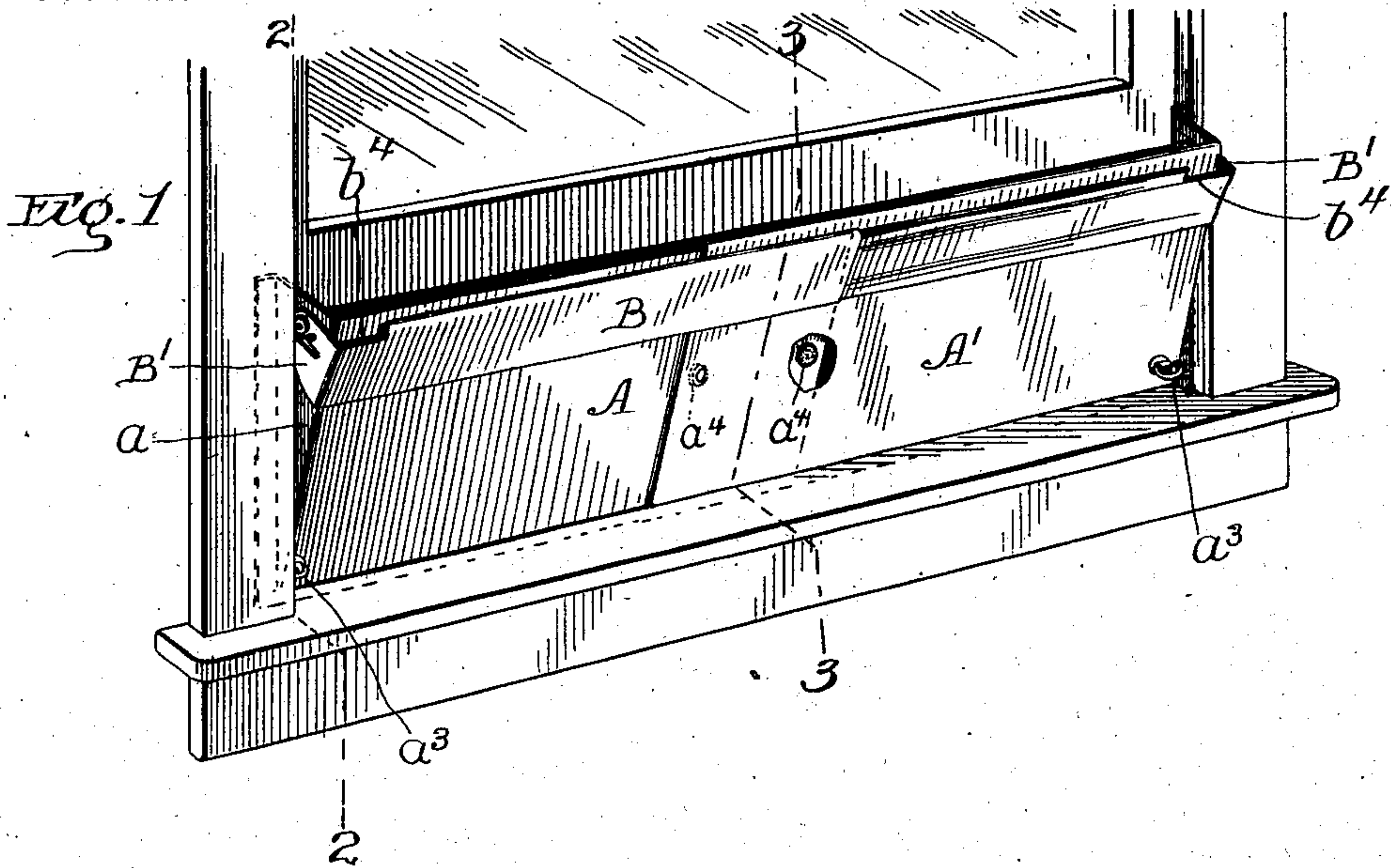


No. 728,447.

PATENTED MAY 19, 1903.

T. T. DOLL.
WINDOW VENTILATOR.
APPLICATION FILED FEB. 28, 1903.

NO MODEL.



Witnesses
Chas. S. Hervey
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Inventor:
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by A. B. Bittner
Att'y.

UNITED STATES PATENT OFFICE.

THEODORE T. DOLL, OF CHICAGO, ILLINOIS, ASSIGNOR TO DOLL & PORCH,
OF CHICAGO, ILLINOIS, A FIRM.

WINDOW-VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 728,447, dated May 19, 1903.

Application filed February 28, 1903. Serial No. 145,502. (No model.)

To all whom it may concern:

Be it known that I, THEODORE T. DOLL, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Window-Ventilators, of which the following is a specification.

My invention relates to certain new and useful improvements in window-ventilators; and its object is to provide a ventilator which can readily be attached to windows of various sizes, which shall be so constructed as to prevent rain from coming into the room, but shall permit air to enter, and which shall be readily adjustable to permit the draft entering through it to be regulated.

To these and certain minor ends which will appear in the course of this specification my invention consists in certain novel features of construction which are fully shown in the accompanying drawings and described in the specification.

In the aforesaid drawings, Figure 1 is a perspective of a window and sash provided with my improved ventilator. Fig. 2 is a section in line 2 2 of Fig. 1. Fig. 3 is a section in the line 3 3 of Fig. 1, and Fig. 4 is a perspective of one end of the deflector removed from its place in the sash.

Referring to the drawings, A A' are two telescoping parts of a deflector. Each part is provided with a triangular portion *a* at right angles to it, the edges of the said triangular portion being provided with flanges *a'*. The bottom edge of the portions A A' is likewise provided with a flange *a*² and in the same plane with and preferably integral with the flanges *a'*. Each of the portions A A', the adjacent triangular portion *a*, and the flanges is preferably formed of one piece of sheet metal stamped into shape; but of course this method of construction is by no means essential. The deflector is secured in place, as shown in Fig. 1, in a window-frame by placing the flanges *a'* outside the window-stops and elongating the telescoping deflector as far as possible, the flange *a*² extending down outside the window-sill. Two hooks are provided on the window-frame which engage with eyes or rings *a*³ on the deflector to hold the device in position. When this po-

sition is reached, the window is brought down, running over the flanges *a'* and wedging said flanges between itself and the window-stops.

The deflector, it will be seen from the above description and from the drawings, extends from the window-sill upward and inward into the room, providing a passage for air in an upward direction, so that air can enter the room without the possibility of rain coming in also.

The regulation of the amount of draft entering is effected by a cover B, composed of two telescoping sections, said cover having ears B' at its ends and at right angles to it. These ears are provided with slots *b*, each of said slots having two notches *b'* *b*². The cover is secured upon the deflector by bolts *b*³, which extend through the deflector and also through the slots *b*. It will be noted that the arrangement of the slots and notches is such that the cover can be secured in a plurality of positions, as may be desired. The cover may be swung beside the deflector, as shown in Fig. 1, so as to leave the entire space above the deflector open. It may be held in the position shown in Fig. 3, wherein the nut is in engagement with the notch *b*², when a large opening is presented for the entrance of air, and the cover turns the air directly into the room instead of upward. The cover may also be let down from the position shown in Fig. 3 either to a position where the nuts engage with the notches *b'*, in which case a smaller opening is afforded for the entrance of air, or it may be let down entirely to close the opening. Other positions in which the cover can be placed will also be apparent.

In Fig. 1 will be seen two washers *a*⁴, secured in place between the telescoping members A A' of the deflector. These washers are of felt, and their purpose is to prevent scratching of the two members when slid one upon the other to adjust the length of the ventilator for use in connection with windows of various sizes. To accomplish the same purpose in the cover, the two telescoping members are slightly curved with reference to each other, so that their surfaces do not come in contact. In practice the outer telescoping member is made flat and the inner member slightly concave, Fig. 3.

It is to be noted that the cover B is cut away at its ends to form notches $b^4 b^4$, so that when it is closed it will come substantially into contact with the glass of the window, the notches being provided for the two sides of the window-sash. The edge of the cover is wired, as shown in the drawings, to prevent the sash from being scratched and also to give the device a neat and finished appearance.

I realize that considerable variation can be made in the details of the device above described, and for that reason do not desire to limit myself to the specific construction shown and described.

I claim as new and desire to secure by Letters Patent—

1. The combination with a deflector, and means for securing the same to a window-frame, said deflector when in position, extending diagonally inward from the window-sill, of a cover provided with ears overlapping the sides of said deflector, slots in said

ears, bolts extending through the sides of said deflector and said slots, and means for engaging said bolts with different portions of said slots to secure the cover in a plurality of varying positions.

2. The combination with a deflector, and means for securing the same to a window-frame, said deflector when in position extending diagonally upward and inward from the window-sill, of a cover provided with ears extending over the sides of said deflector, notched slots in said ears, and bolts passing through the sides of said deflector and notched slots.

In witness whereof I have signed the above application for Letters Patent, at Chicago, in the county of Cook and State of Illinois, this 24th day of February, A. D. 1903.

THEODORE T. DOLL.

Witnesses:

NICHOLAUS SCHRAMM,
WILLIAM BAUMANN.