

No. 736,242.

PATENTED AUG. 11, 1903.

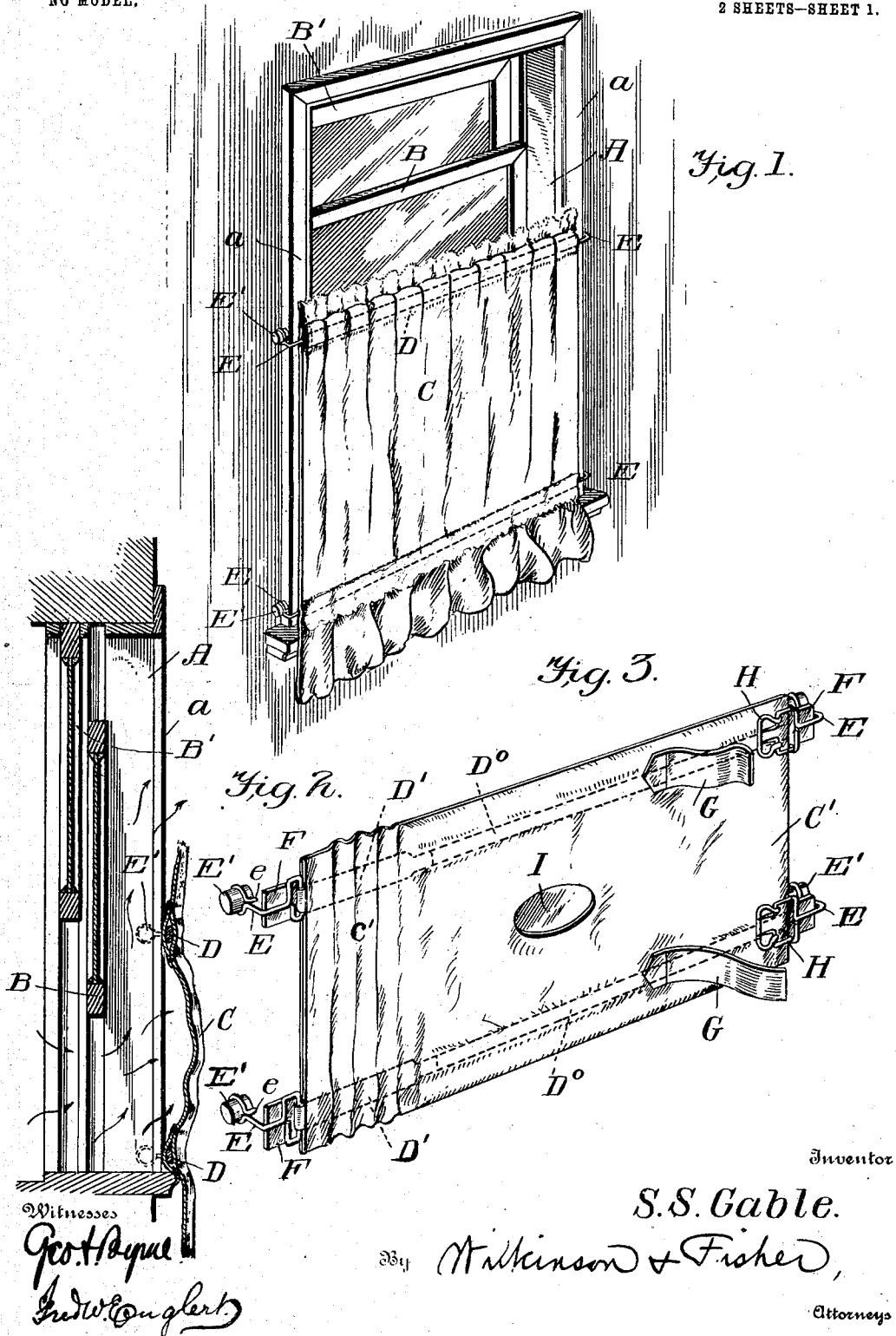
S. S. GABLE.

COMBINATION WINDOW SHADE AND VENTILATOR.

APPLICATION FILED FEB. 19, 1903.

NO MODEL.

2 SHEETS--SHEET 1.



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2 SHEETS—SHEET 2.

Fig. 4.

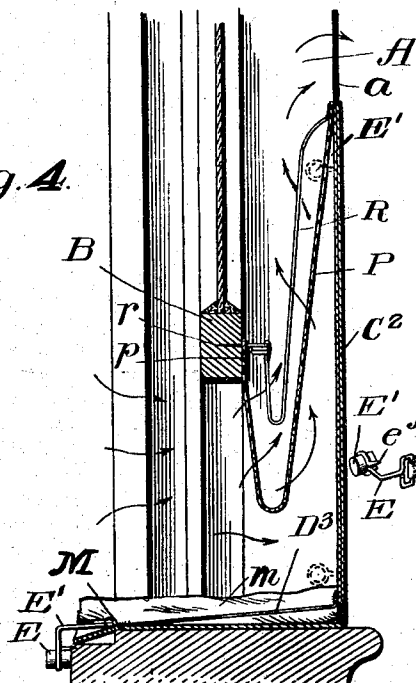


Fig. 6.

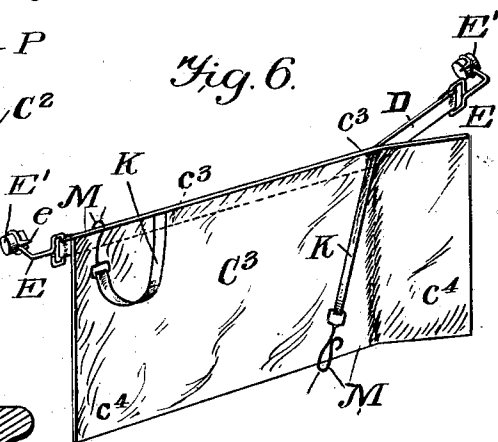


Fig. 5.

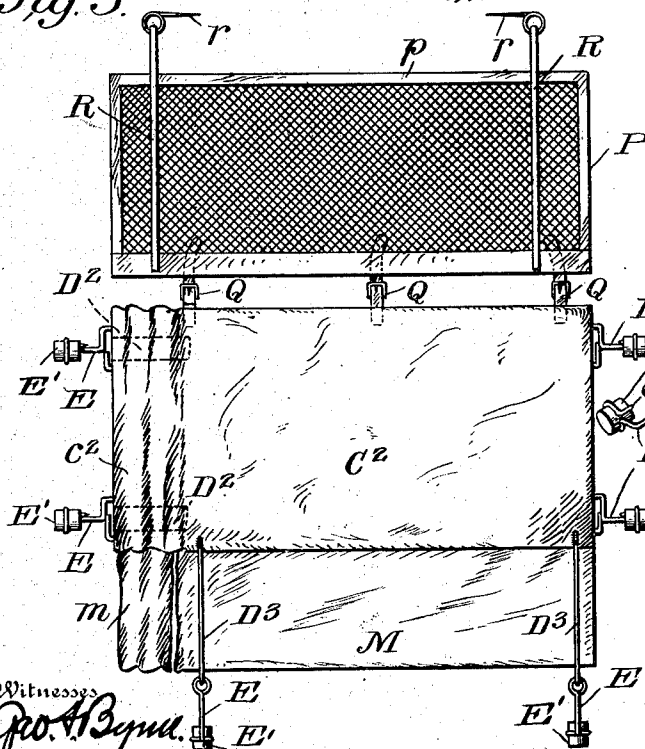
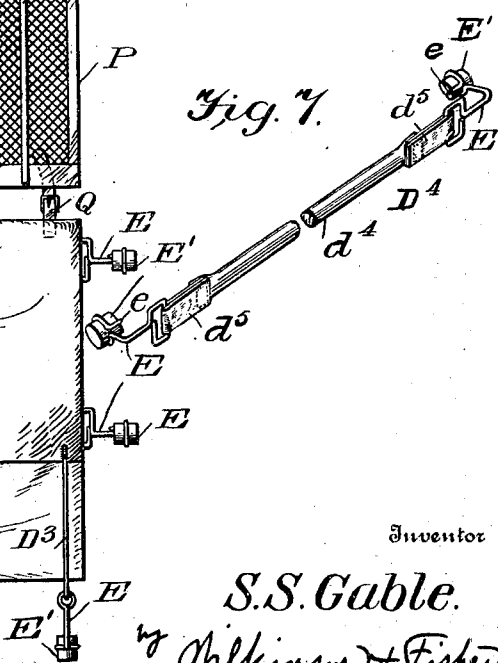


Fig. 7.



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UNITED STATES PATENT OFFICE.

SAMUEL S. GABLE, OF YORK, PENNSYLVANIA.

COMBINATION WINDOW SHADE AND VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 736,242, dated August 11, 1903.

Application filed February 19, 1903. Serial No. 144,103. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL S. GABLE, a citizen of the United States, residing at York, in the county of York and State of Pennsylvania, have invented certain new and useful Improvements in Combination Window Shades and Ventilators; 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 a combined ventilator, blind, and curtain for windows, and also the combination therewith of either a fly-screen or a water-shield, or both.

My invention will be understood by reference to the accompanying drawings, in which the same parts are indicated by the same characters throughout the several views.

Figure 1 is a perspective view showing a window fitted with the adjustable curtain, which also constitutes a blind and ventilator. Fig. 2 represents a central vertical section of the device shown in Fig. 1. Fig. 3 is a detail showing a modified form of the adjustable curtain. Fig. 4 is a section similar to that shown in Fig. 2, but illustrates the use of the curtain in combination with a fly-screen and a water-shield. Fig. 5 is a detail showing the adjustable curtain, fly-screen, and water-shield detached from the window. Fig. 6 shows another form of the adjustable curtain. Fig. 7 is a detail showing one of the elastic holding-straps adapted to be used in any of the curtains aforesaid or in the ordinary well-known sash-curtains.

Referring first to Figs. 1 and 2, A represents the window-frame, which projects from the face of the wall, as at *a*, in the usual way. B represents one of the window-sashes; B', the other. C represents a curtain in which elastic straps D, adapted to span the window, are inserted. These straps carry hooks E at their ends, which are preferably provided with corks or similar buffers E'. These hooks are preferably provided with pointed tips *e*, projecting beyond the edge of the cork, as shown in Fig. 2, which points bite into the edge of the window-frame and prevent the hooks from slipping.

It will be seen that if the curtain be stretched taut vertically between the straps,

as shown in Fig. 1, little or no air would pass in at the side of the curtain, but that if the sash B be lifted, as indicated in Figs. 1 and 2, there will be an air-passage between the top of said curtain and said sash. On the other hand, if the curtain be left loose between the two straps, as shown in Fig. 2, there will be air-passages not only over the top of the curtain, but also between the curtain and the window-frame, as indicated by the arrows in Fig. 2. Furthermore, when the curtain is allowed to sag, as shown in Fig. 2, the windward side of the curtain may be pinned or otherwise secured to the sash, leaving the leeward side bent outward, as shown in Fig. 2, whereby air will be sucked out of the room, as indicated by the arrows in Fig. 2.

By having the curtain looped vertically, as indicated in Fig. 1, the straps D, and with them the curtain, may be stretched to cover various widths of window. A still further range of adjustment is shown in Fig. 3, where the elastic straps D' are passed through the folds *c'* of the curtain C'. These straps are secured to non-elastic straps D⁰. (Shown in dotted lines.) The other end of the curtain may be taken up or let out by means of the straps G and buckles H. To prevent scarring the window-frame, pads F, of felt or similar material, may be used.

To adapt the device shown in Fig. 3 for office or other windows where it is desired to look out without peering over the top of the curtain, a plate of glass I may be let in, as is common in carriage-curtains.

The form of device shown in Fig. 3 is preferably made of or is at least lined with waterproof material, so that it may be permanently left in place. In the form of device shown in Figs. 4 and 5 the curtain C² is generally similar to that shown in Fig. 3, but carries at its bottom an apron M, preferably made of waterproof material, which may be held down to the window-sill by means of elastic straps D³ and hooks E similar to those already described. The curtain C² may be of stout material, having the elastic straps D², secured near one end thereof, passing through folds *c*² of the curtain, thus allowing the latter to stretch with the straps. In the same way a loose flap *m* is provided on the apron M, which assists in keeping out water. To the top of

the curtain C² are secured by straps and buckles 2 or in any other convenient way a fly-screen P. This screen is preferably provided with a stout edging *p* and also may be provided with pins *r*, fast to the cords R, so that the screen may be pinned to the window-sash, as shown in Fig. 4. By having these pins suspended outside of the screen they may be inserted from the outside from under the corresponding portion of the screen from the inside, and thus the screen may be allowed to sag, permitting the sash B to be raised or lowered, as may be desired. In summer-time these screens would ordinarily be desirable; but in winter they may be detached from the curtain.

In the form of device shown in Fig. 6 the curtain C³ is attached along the central portion of the top, as at c³, to the elastic strap D, thus leaving flaps at the ends, as indicated at c⁴ to the right of Fig. 6. These flaps may be pinned to the strap D at the desired position by means of spring-clips *k*, fast to the straps K, and thus this form of curtain may be adjusted to various widths of window-frame.

In Fig. 7 is shown a strap D⁴, having a rounded central portion d⁴, with elastic ends d⁵, to which the hooks E are secured. This form of strap may be used with any of the curtains hereinbefore described, and it also may be used with the ordinary sash-curtains, whereby the said curtains may be adjusted to the desired height on the window-frame and may be raised up or down, if desired. I have shown the hooks E as provided with corks or buffers E' and points *e*; but other equivalent devices may be used instead of the corks and points, so as to attach the hooks to the window-frames by friction alone, and thus the window-frame may not be scarred.

In all of the devices it is seen that the elastic strap will hold the curtain firmly in place and will permit the same to be adjusted up or down and be readily applied or removed. Furthermore, the curtain with or without the various attachments herein described may be folded up in a small space and readily carried about, as in traveling.

The invention is believed to be especially adapted for travelers, who are obliged to stay in all sorts of rooms with all sorts of ventilation. Moreover, the removable curtain affords an excellent blind, may be adjusted to the desired height, and yet not materially interfere with the light of the room, which is particularly desirable in hotels, offices, and large buildings generally.

While I have described the invention as applied to window-frames, to which it is particularly suited, it will also be obvious that it may be used in connection with the frames of doors where it is desired to have a removable screen or blind which may be vertically adjusted to permit the passage of air to the doorway.

It will be obvious that various modifications might be made in the herein-described apparatus which could be used without departing from the spirit of my invention.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. The combination with a laterally-extensible curtain, of an elastic strap secured thereto, and frictional holders attached to the ends of said strap and adapted to abut against a window or door frame, substantially as described.

2. The combination with a laterally-extensible curtain, of elastic straps secured thereto near the top and bottom thereof, and frictional holders attached to the ends of said straps and adapted to abut against the frame of a window or door, substantially as described.

3. The combination with a laterally-extensible curtain, and means for adjustably connecting the same to the frame of a window, of a waterproof apron carried by said curtain and adapted to rest on the window-sill, with elastic straps binding said apron on the window-sill, substantially as described.

4. The combination with a laterally-extensible curtain, and means for adjustably connecting the same to the frame of a window, of a waterproof apron carried by said curtain and adapted to rest on the window-sill, and a fly-screen connected to the top of said curtain and to the window-sash, substantially as and for the purposes described.

5. The combination with a window-frame and the lower sash thereof, of a laterally-extensible curtain, and means for adjustably connecting the same to the window-frame, of a fly-screen connected to the top of said curtain, and to the lower sash of the window, substantially as described.

6. The combination with a laterally-extensible curtain, and means for adjustably connecting the same to the window-frame, of a fly-screen connected to the top of said curtain, and pins suspended outside of said screen and adapted to secure said screen to the bottom of the window-sash, substantially as and for the purposes described.

7. The combination with a curtain, of an elastic strap secured thereto, hooks attached to the ends of said strap and adapted to connect the same to a window or door frame, with buffers near the ends of said hooks, substantially as described.

8. The combination with a laterally-extensible curtain, of an elastic strap secured thereto, and hooks carried by the ends of said strap, whereby the said curtain may be adjustably connected to the frame of a window or door, with buffers inclosed in said hooks near the ends thereof, substantially as described.

9. The combination with a curtain, and means for adjustably connecting the same to the frame of a window, of a waterproof apron

carried by said curtain and adapted to rest on the window-sill, with elastic straps secured to said curtain near its bottom, and adapted to hook over the window-sill, substantially as described.

10. The combination with a curtain, and means for adjustably connecting the same to the frame of a window, of a waterproof apron carried by said curtain and adapted to rest on the window-sill, a fly-screen connected to the top of said curtain, with pins suspended from said screen for securing said screen to the window-sash, substantially as described.

11. The combination with a curtain, and means for adjustably connecting the same to the window-frame, of a fly-screen detachably connected to the top of said curtain, and means for connecting said fly-screen to the sash of the window, substantially as described.

12. The combination with a curtain, and means for adjustably connecting the same to the window-frame, of a fly-screen detachably

connected to the top of said curtain, and pins suspended from said screen and adapted to secure said screen to the bottom of the window-sash, substantially as and for the purposes described.

13. An adjustable curtain-support comprising an elastic strap adapted to be secured to the curtain, with holding-hooks at the ends thereof, and buffers held in said hooks and adapted to make frictional contact with the window-frame, substantially as described.

14. An adjustable curtain-support comprising an elastic strap adapted to be secured to the curtain, with hooks inclosing buffers near the ends thereof attached to the ends of said straps, and adapted to engage the door or window frame, substantially as described.

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

SAMUEL S. GABLE.

Witnesses:

C. S. GABLE,
H. C. HILES.