

No. 646,096.

Patented Mar. 27, 1900.

V. D. MUZZY.

FLY ESCAPE.

(Application filed Oct. 11, 1898.)

(No Model.)

Fig. 1.

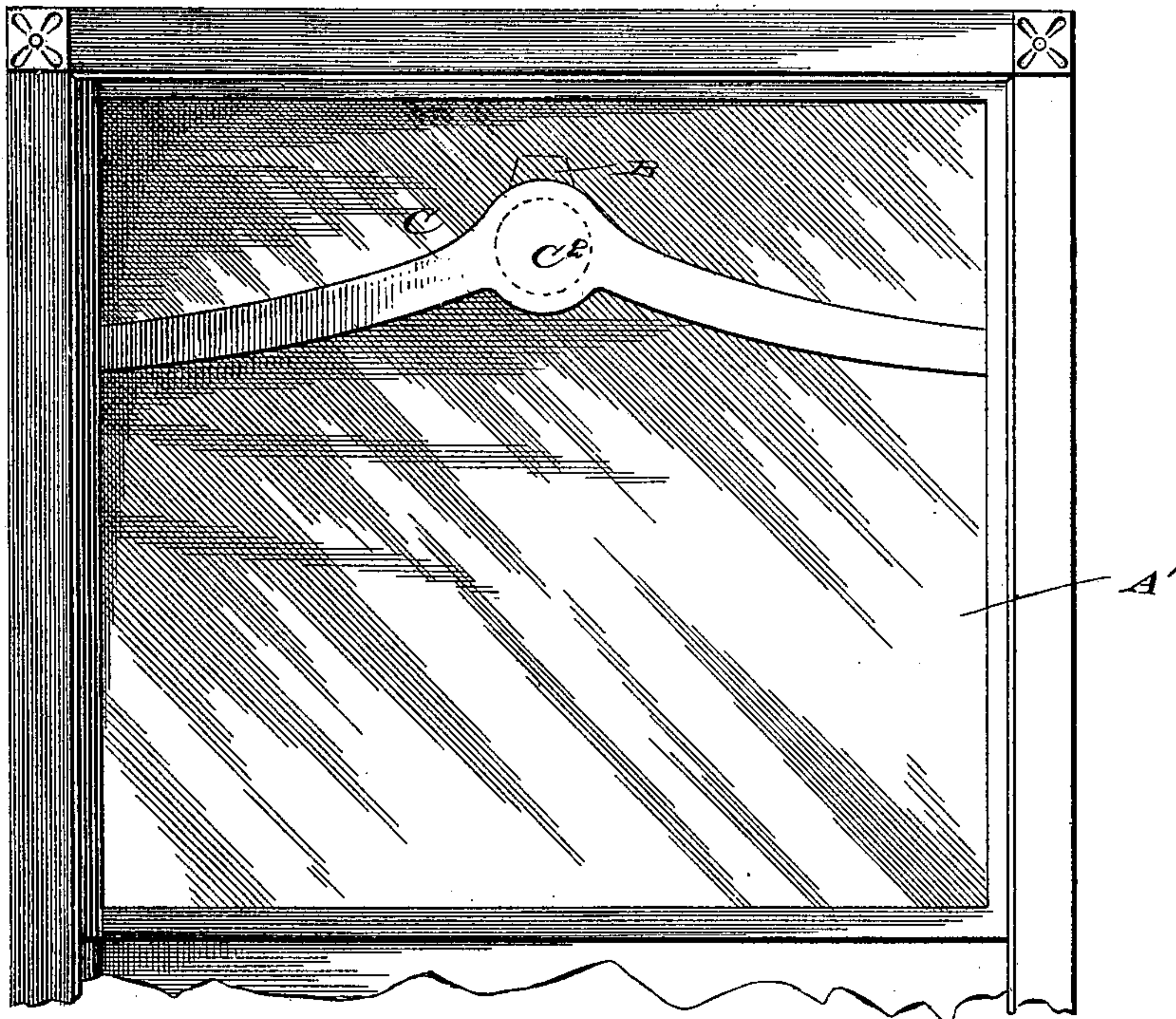


Fig. 2.

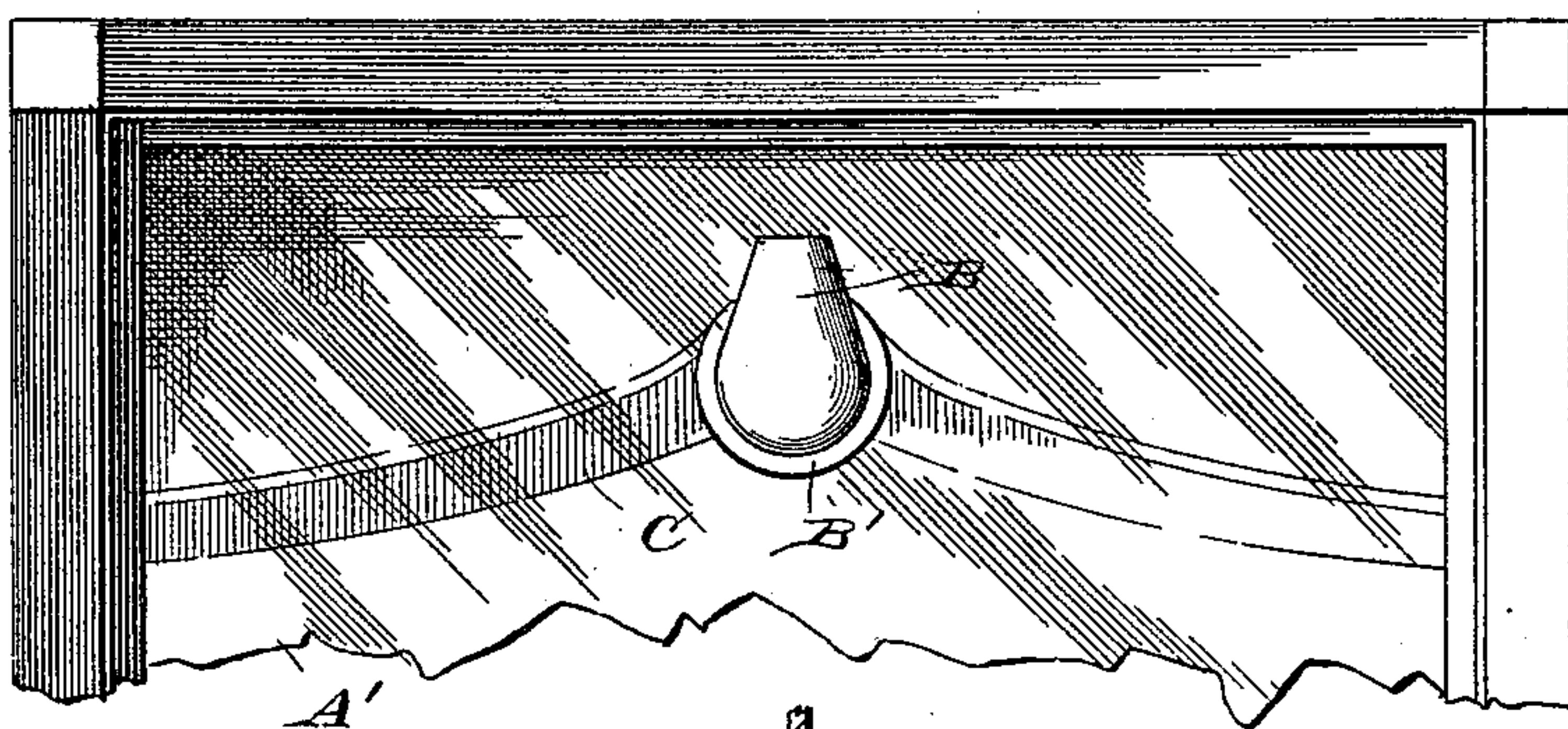
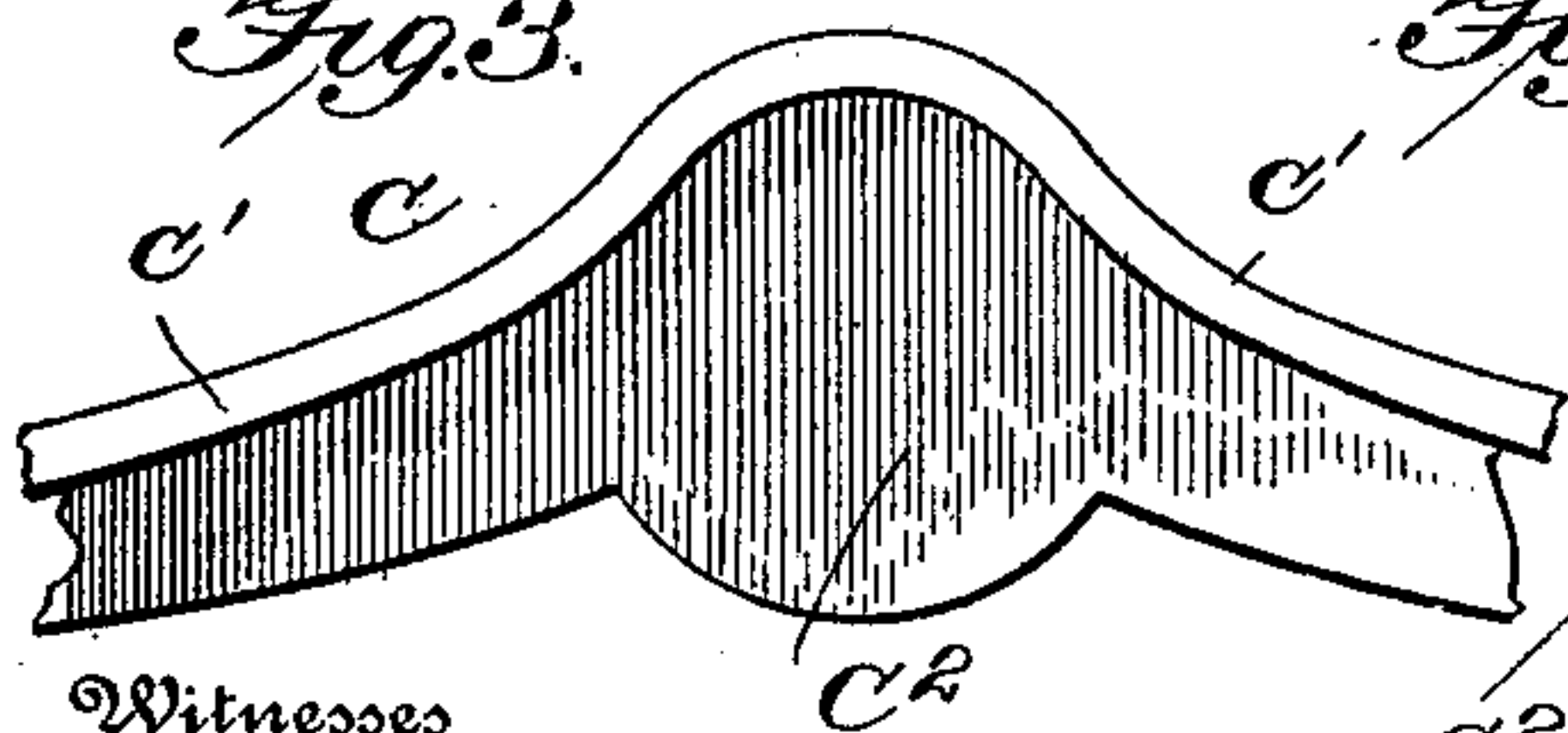


Fig. 3.



Witnesses

J. C. Shaw
Chas. B. Brock

Fig. 4.

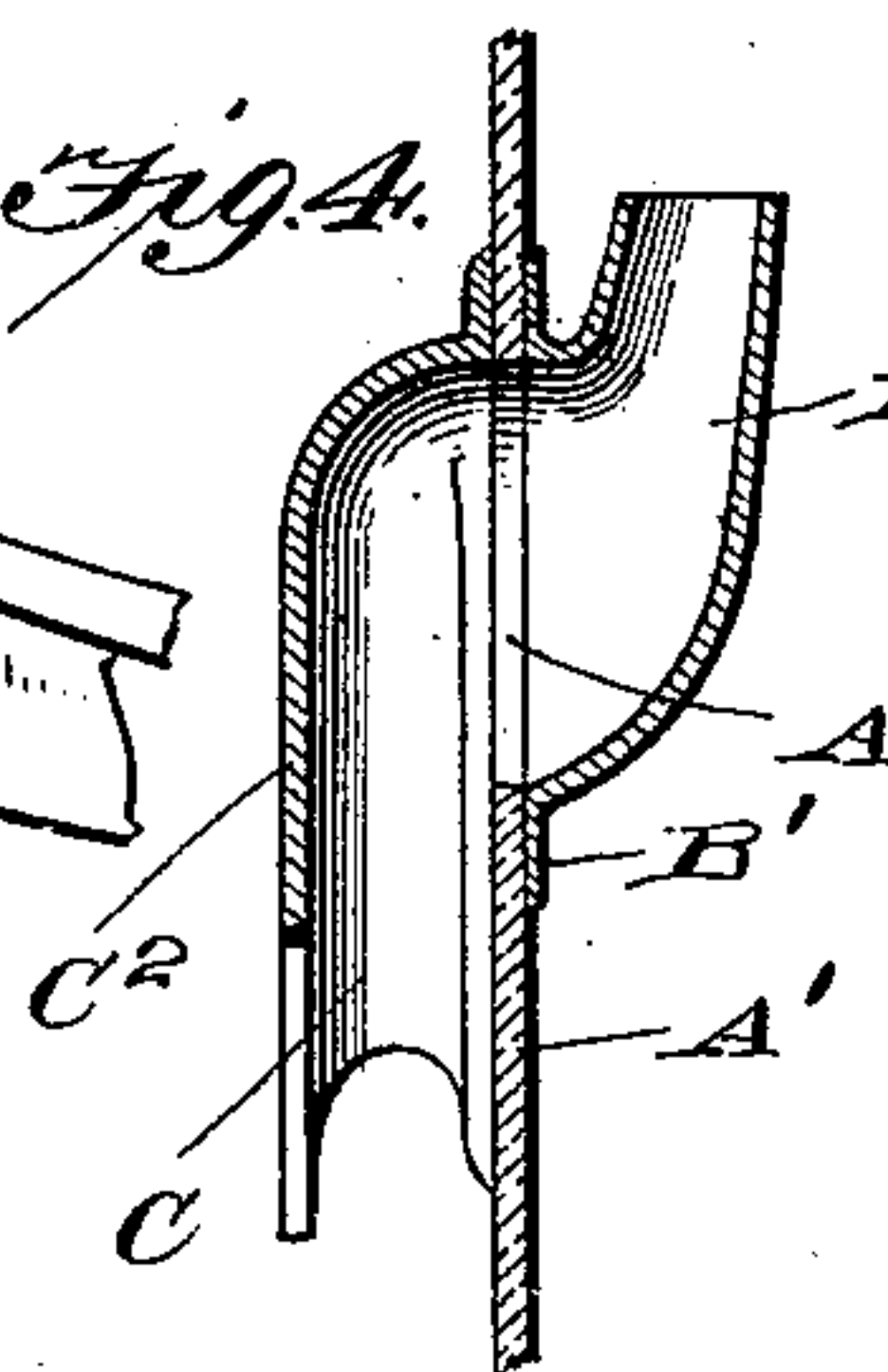
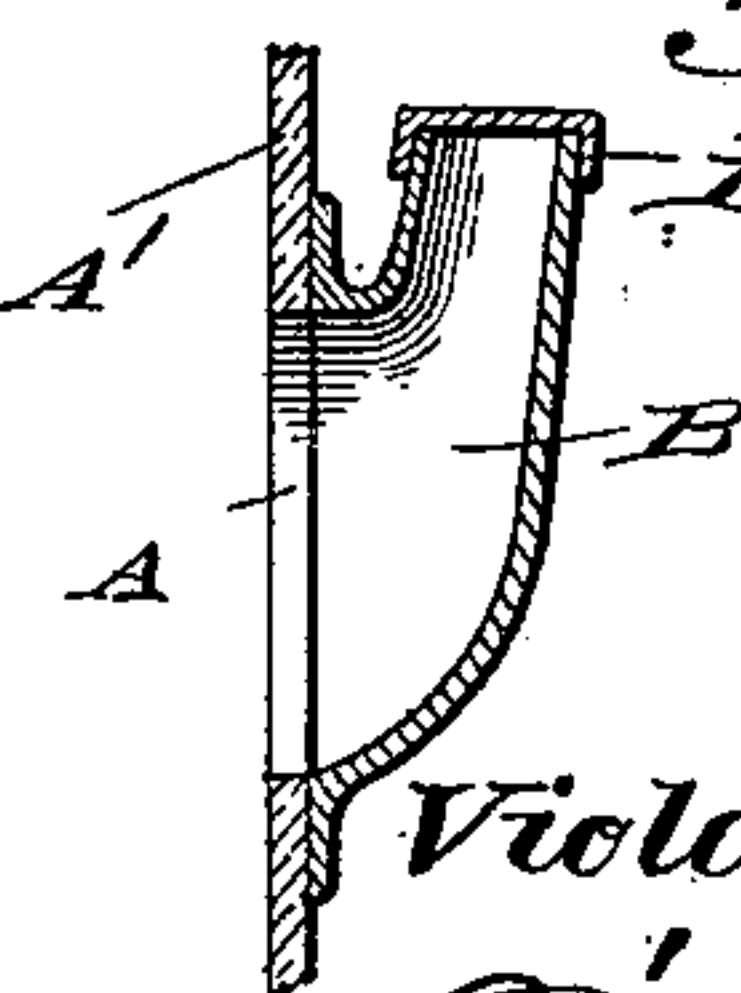


Fig. 5.



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UNITED STATES PATENT OFFICE.

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FLY-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 646,096, dated March 27, 1900.

Application filed October 11, 1898. Serial No. 693,213. (No model.)

To all whom it may concern:

Be it known that I, VIOLA D. MUZZY, a citizen of the United States, residing at East Branch, in the county of Warren and State of Pennsylvania, have invented a new and useful Fly-Escape, of which the following is a specification.

This invention relates generally to fly-escapes, and more particularly to an improvement upon Patent No. 598,531, granted to me February 8, 1898, the object of the present construction being to provide an escape which can be applied to window-screens or window-panes; and with this object in view the invention consists, essentially, in constructing an opening in the window pane or screen and arranging a guiding-barrier upon the inner face of the screen or pane, said barrier being arranged above the opening and adapted to guide the flies to the escape-opening.

The invention consists also in certain details of construction and novelties of combination, all of which will be fully described, and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a face view from the inside of a window-pane. Fig. 2 is a view from the outside. Fig. 3 is a detail view showing a portion of the guiding-barrier. Fig. 4 is a section through the pane of glass, barrier, and escape. Fig. 5 is a detail section showing the cap in place.

In carrying out my invention I cut a circular opening A in the window-pane A', and in practice I prefer the upper pane, though my invention can and is applied also to the lower one and likewise to a window-screen. An escape B, constructed substantially like a tubular spout, surrounds the opening upon the exterior of the pane or screen and projects upwardly, as shown, the upper or open end being slightly contracted. The lower end of the escape is formed within an exterior annular flange B', by means of which the spout-like escape is secured to the pane or screen through the medium of cement or other adhesive. The guiding-barrier C is arranged upon the inner side of the pane or screen in the form of an inverted V and comprises a plate in the form described having an overlapping flange upon the upper edge, designed to hold the plate a sufficient distance from the pane to allow the insects to enter the guiding-barrier from the lower side, which is open. C' is an upwardly-

projecting flange extending from the overlapping flange of the above-mentioned plate, whereby the barrier may be secured to the pane.

The escape, comprising the guiding-barrier and the spout-like escape proper, may be made of glass, metal, or other suitable composition. In winter the spout B is closed by means of a cap D, which prevents cold air, snow, or rain passing through into the room.

In use the guiding-barrier is placed upon the inner face of the pane or screen, near the top of the same, and the spouted escape upon the exterior. The natural instinct of flies is to crawl upward, and as the guide conveys to the opening A the flies will be guided to said opening and pass out through the spout-like escape. The chances of them returning through the escape is remote, as they seldom if ever crawl downward.

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

1. In a device of the kind described, a barrier arranged upon the face of a pane of glass comprising an inverted-V-shaped plate extending entirely across the pane and having an overlapping flange designed to be secured to the pane of glass and hold the plate a sufficient distance from the pane to permit the insects to enter the barrier from the under side thereof, an enlarged downwardly-projecting portion of the apex of said barrier, and a central opening in the pane at the apex of the barrier for the escape of the insects, substantially as described.

2. In a device of the kind described, the combination with a pane of glass having a central opening, of a barrier arranged upon the pane comprising an inverted-V-shaped plate, having an overlapping flange at its top edge and an upwardly-projecting flange extending from said overlapping flange designed to be secured to the pane and hold the plate a sufficient distance from the pane to permit the insects to enter the barrier from the lower edge of the barrier, said barrier being enlarged at its apex to form a covering portion for the opening in the pane, substantially as described.

VIOLA D. MUZZY.

Witnesses:

RAY L. BONSTEEL,
G. E. HEATH.