

No. 617,386.

Patented Jan. 10, 1899.

G. A. ZEISER.
WINDOW SLIDE PROTECTOR.

(Application filed Jan. 13, 1898.)

(No Model.)

Fig. 1.

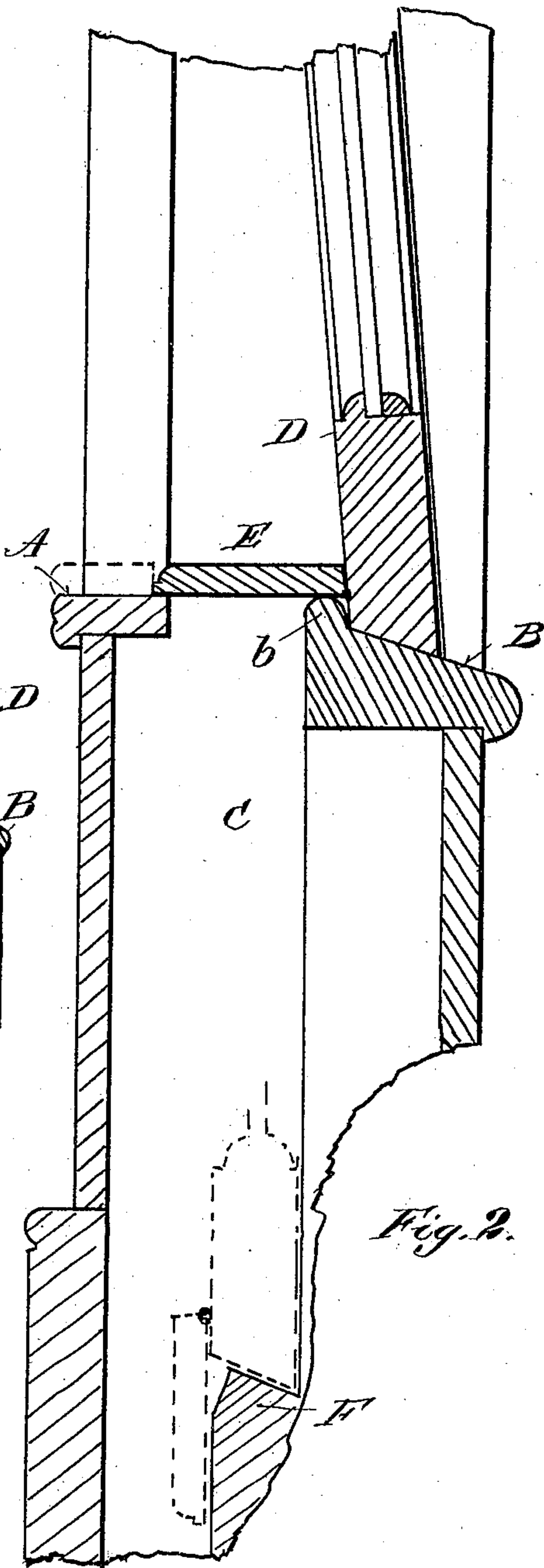
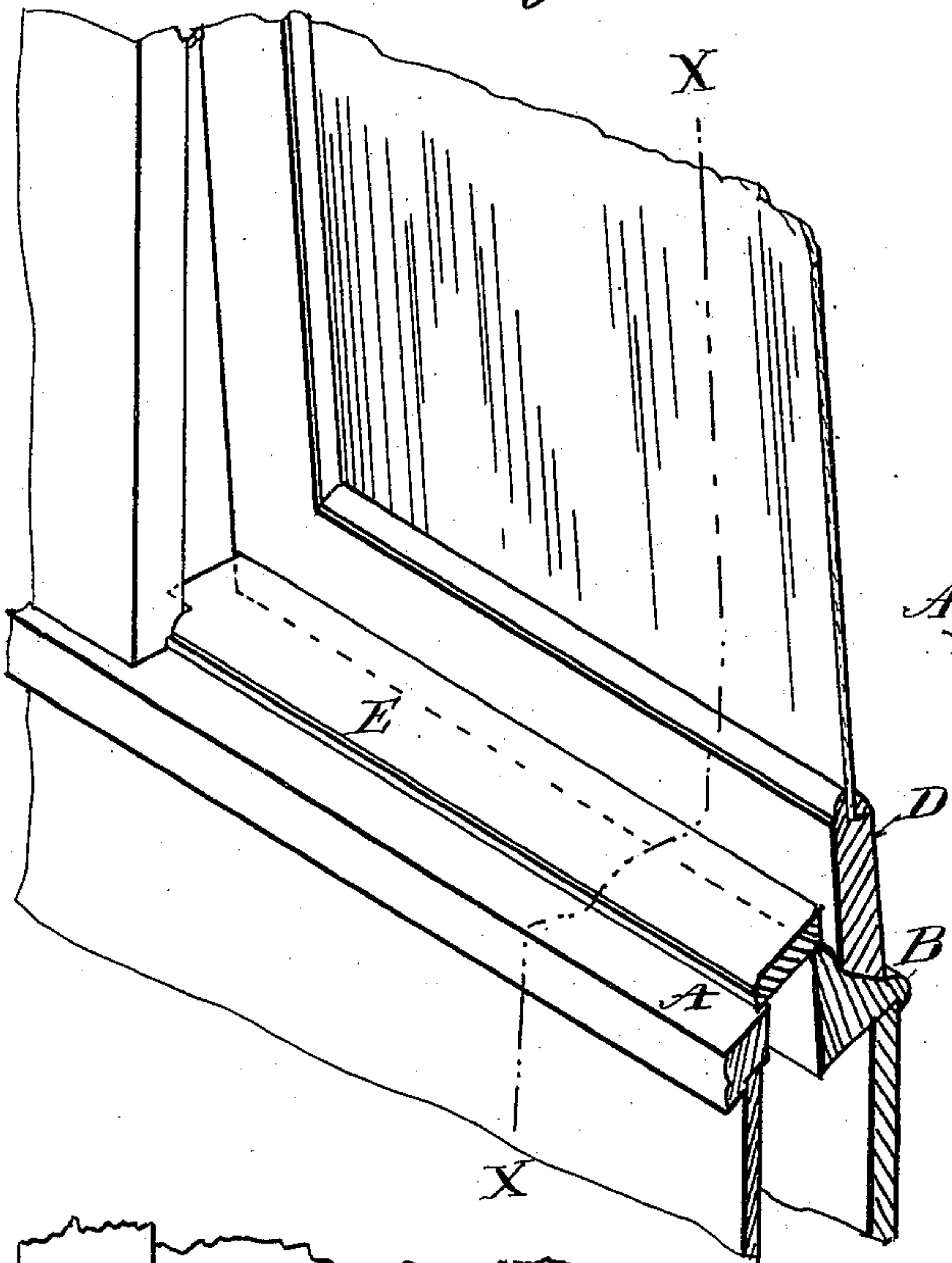


Fig. 2.

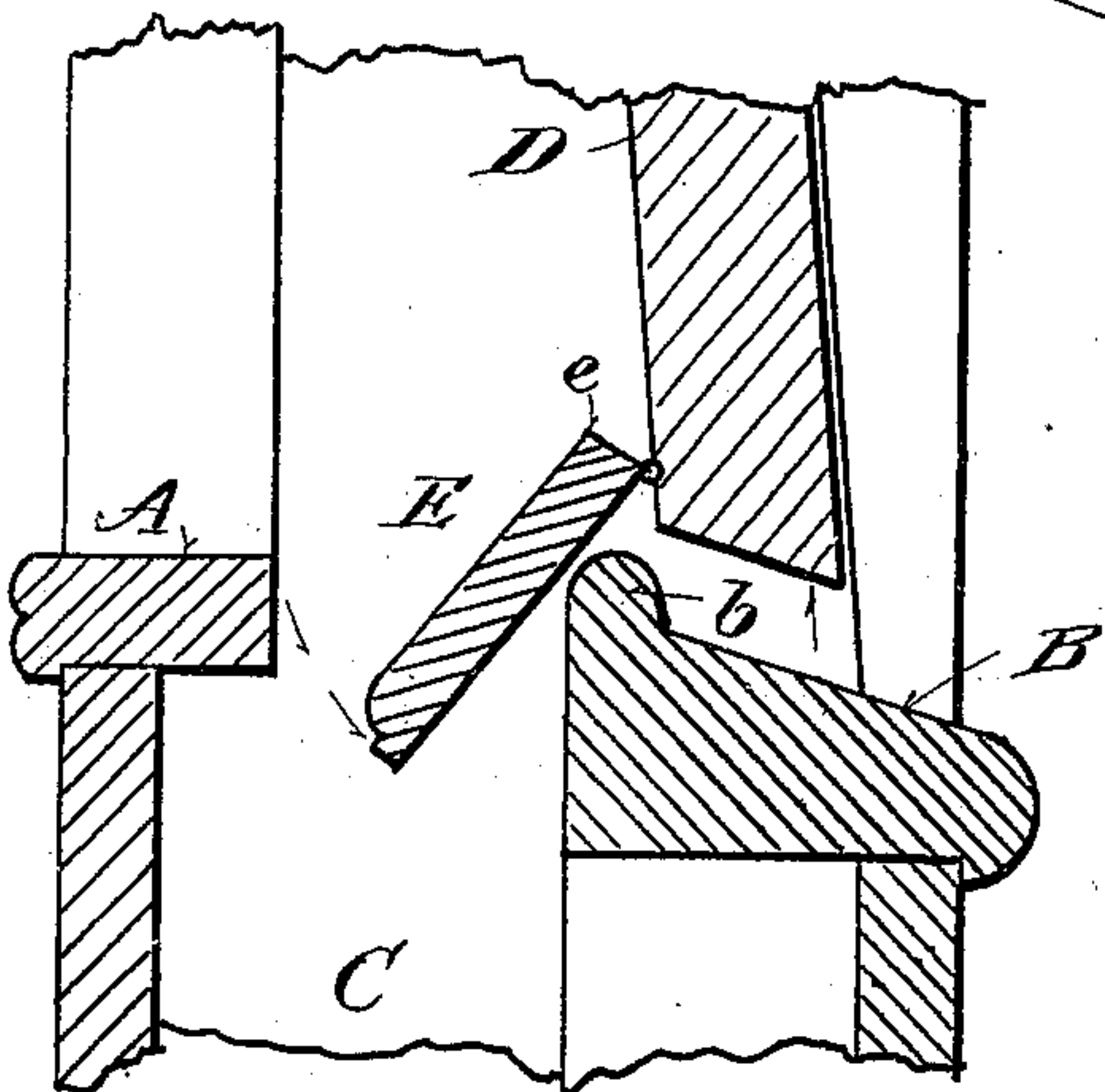


Fig. 3.

WITNESSES:

B. M. Clifton.

J. Forrester.

INVENTOR

Gustav A. Zeiser.

BY

H. M. Plaisance.

ATTORNEY.

UNITED STATES PATENT OFFICE.

GUSTAV A. ZEISER, OF ST. LOUIS, MISSOURI.

WINDOW-SLIDE PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 617,386, dated January 10, 1899.

Application filed January 13, 1898. Serial No. 666,497. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV A. ZEISER, a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Window-Slide Protectors, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in window-slide protectors.

The object of my invention is to provide a protector for the opening in the street-car or other window in which slides the window-sash and which is exposed to the deposit of paper, dirt, and other refuse when the window is raised and rests upon the outer sill. When in the latter position, my protector closes the opening and forms substantially a continuation of the inner sill and assumes its proper position automatically when the sash is raised or lowered.

The peculiarities of construction will be hereinafter fully described and claimed.

In the accompanying drawings, on which like reference-letters indicate corresponding parts, Figure 1 represents a perspective view of the inside of a window, showing my improvement attached thereto; Fig. 2, a sectional view on the line X X of Fig. 1; and Fig. 3, a partial sectional view showing the sash partly raised to pass over the nosing of the outer sill, illustrating the operation of the protector.

The window-sashes of street-cars are raised from a slide within the partition between passages till the bottom edge is above the outer window-sill. The bottom is then pushed outward past the nosing and dropped a slight distance, about three-eighths of an inch. The slide thus left open presents a tempting place for the deposit of peanut-shells, paper, and is often used for tobacco-juice, to the detriment of the window-sill and the nuisance of the traveling public. I propose to protect this slide by an attachment, preferably to the window-sash, which will automatically close the opening when the sash is raised and thrown outward, and which will automatically drop within the opening when the sash is lowered for opening the window.

Referring to the drawings, the letter A des-

ignates the inner window-sill, and the letter B the outer window-sill, between which is the slide C for the window-sash D. (Shown in Figs. 1 and 2 as raised and resting on the outer sill.) Preferably secured to the sash is a strip E, of wood or other suitable material, preferably a little wider than the slide-opening, so that it may rest upon the inner window-sill when the sash is raised, as in Fig. 1. This protecting-strip is hinged or otherwise pivotally attached along its bottom face to the lower sash at a height depending upon the height of the nosing *b*. This nosing throws the inner edge of the strip E upward, so the strip is horizontal when the bottom edge of the sash is raised above the nosing *b* and pushed outward in closing the window. Other means for raising the strip E may be employed. The protector cannot be raised from the inside, as the shoulder *e* fits against the sash D. Access cannot be had, therefore, to the slide-opening for any purpose when thus protected. When the window is to be lowered, however, it is first raised about half an inch, so as to pass the nosing *b*. This action will lift the hinged edge of the strip and allow the free edge to drop past the inner window-sill or other support and enter the slide-opening, as shown in Fig. 3. It will then lie closely to the lower rail of the sash and pass down beside the stop F, which supports the sash at the bottom of the slide.

Any suitable form of hinge may be used to secure the strip to the window-sash, and in some cases it may be set flush with the inner window-sill, as indicated by dotted lines in Fig. 2. A narrow shoulder or other suitable means then supports it when in a horizontal position.

It will be observed that the strip is operated automatically in the raising and lowering of the sash, also that it forms a positive protection for the slide-opening along the full length of the slide. It also adds to the appearance of the car as well as preventing the nuisance above referred to.

I do not limit myself to the exact construction and arrangement herein shown, but lay broad claim to an automatic window-strip operating in conjunction with the window-sash to close the slide.

Having thus fully described my invention,

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

1. A window-sash, vertical guides therefor, forming an opening in which the sash slides, 5 allowing outward movement of the sash, an outer window-sill to receive the sash, a strip pivotally secured, and means to throw said strip upward to close the slide-opening when the sash is pushed outward.
- 10 2. A window comprising a window-sill having a raised portion at its inner edge, an inner window-sill, and a slide-opening between them, a sash vertically slidable in said opening, and adapted to rest on the outer window-sill beyond the raised portion when the win- 15 dow is closed, a protecting-strip pivoted at its bottom face to the inside of the window and adapted to be thrown upward to close the slide-opening when the sash-rail is passed out-

ward beyond the raised portion in closing the 20 window.

3. A window comprising an outer sill having a raised nosing on its inner edge, an inner sill and a slide between them, a window-sash operating vertically in said slide, and a 25 protecting-strip hinged by its lower outer edge to the sash-rail and wider than the slide-opening, and adapted to be thrown upward horizontally to rest on the inner window-sill by engagement with the said nosing on closing the 30 window.

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

GUSTAV A. ZEISER.

Witnesses:

ALFRED A. MATHEY.
H. M. PLAISTED.