

No. 875,897.

PATENTED JAN. 7, 1908.

J. W. COUNCILOR.
STORM WINDOW HINGE.
APPLICATION FILED JAN. 26, 1906.

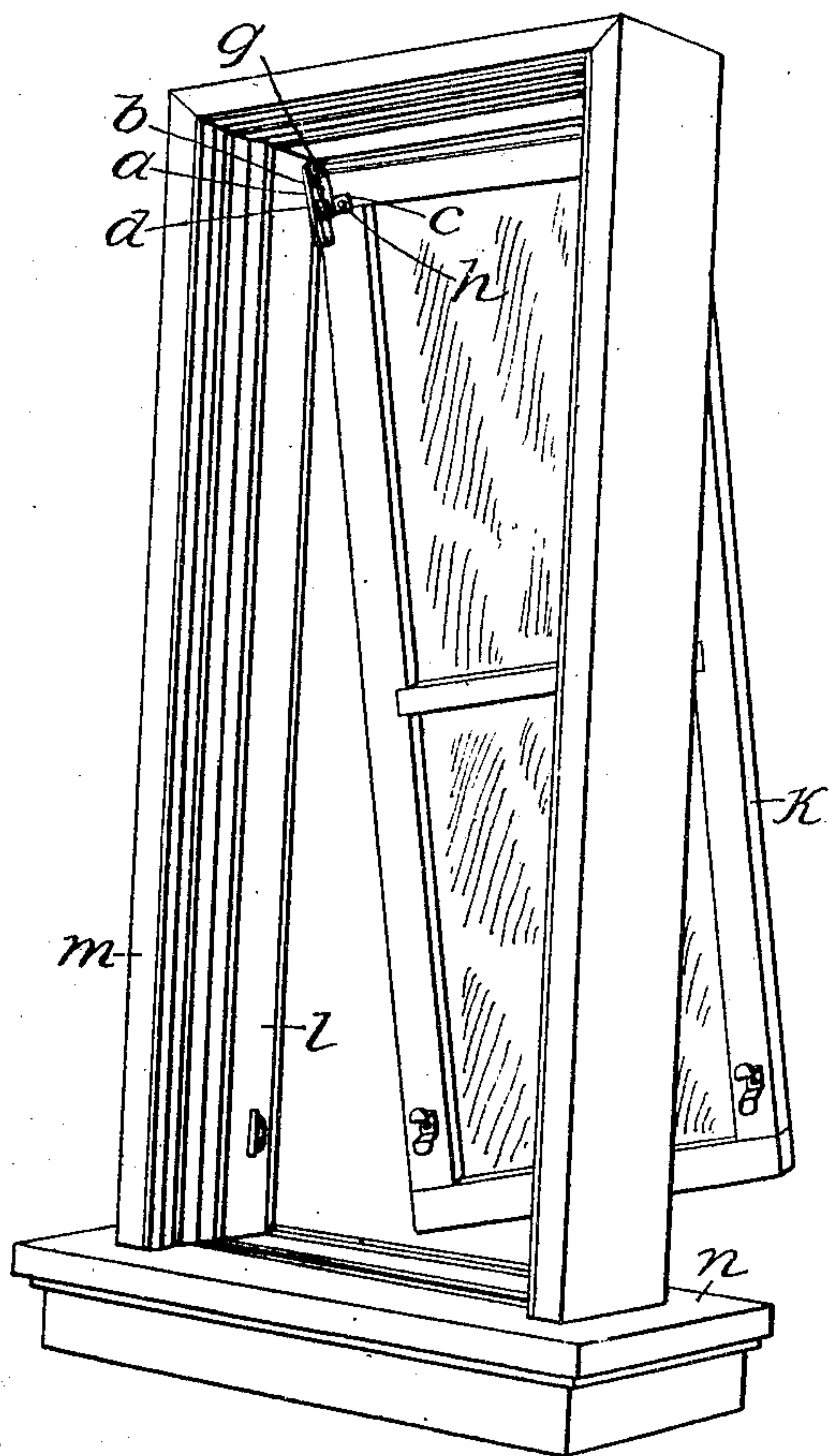


Fig. 4.

Fig. 1.

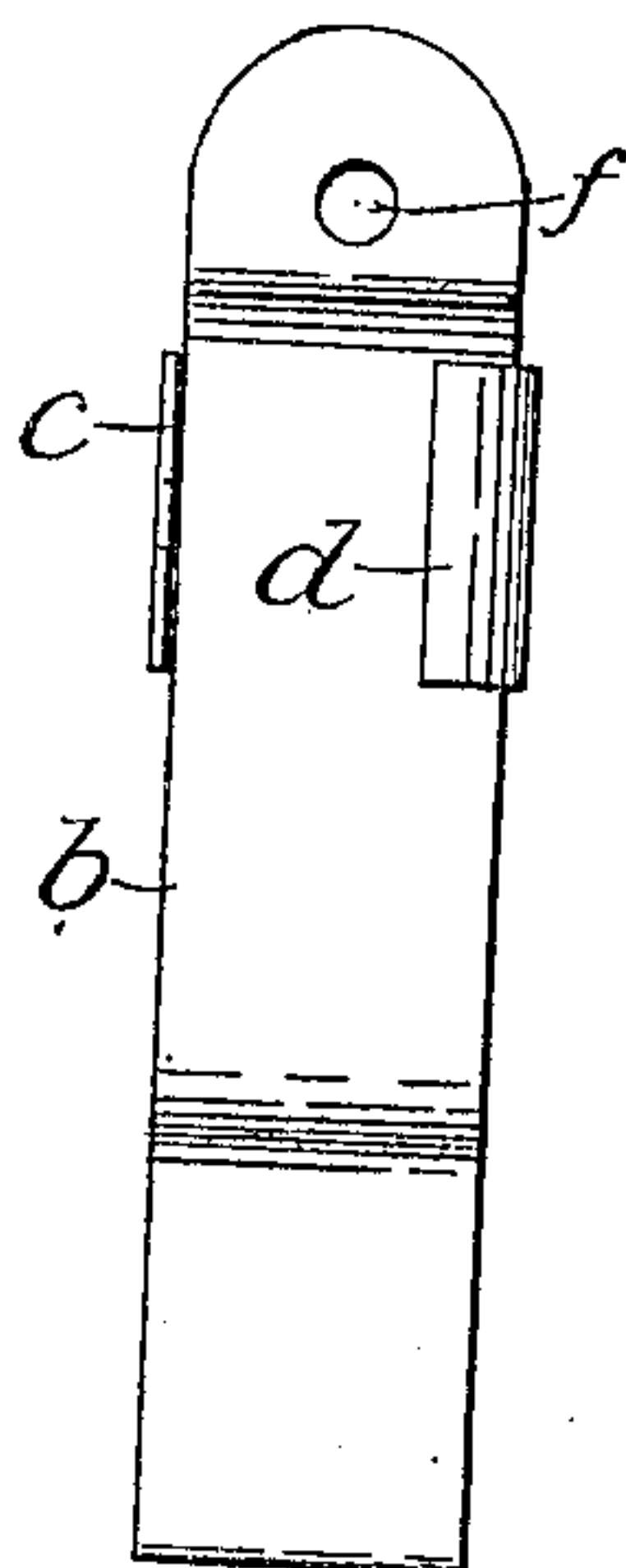


Fig. 2.

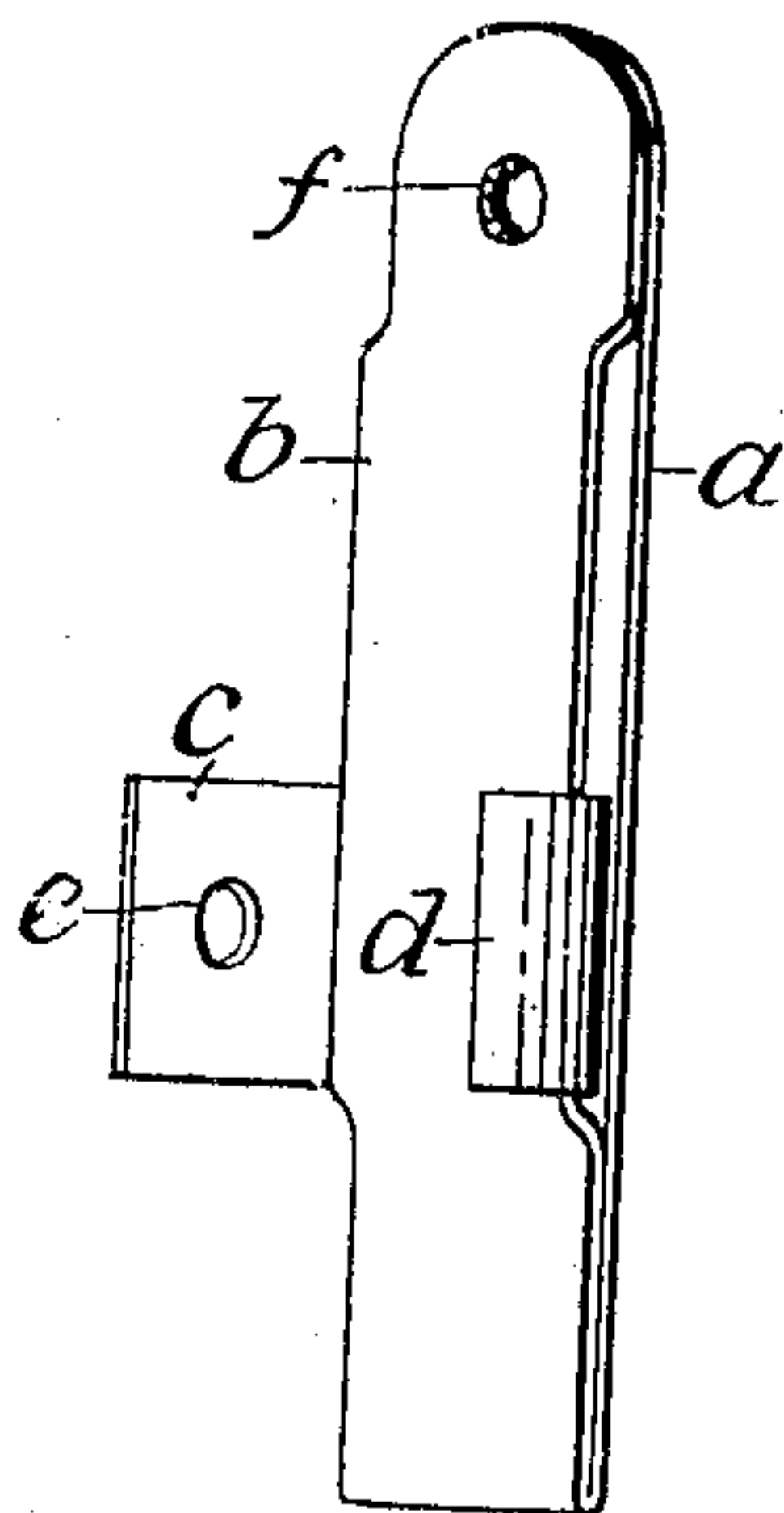
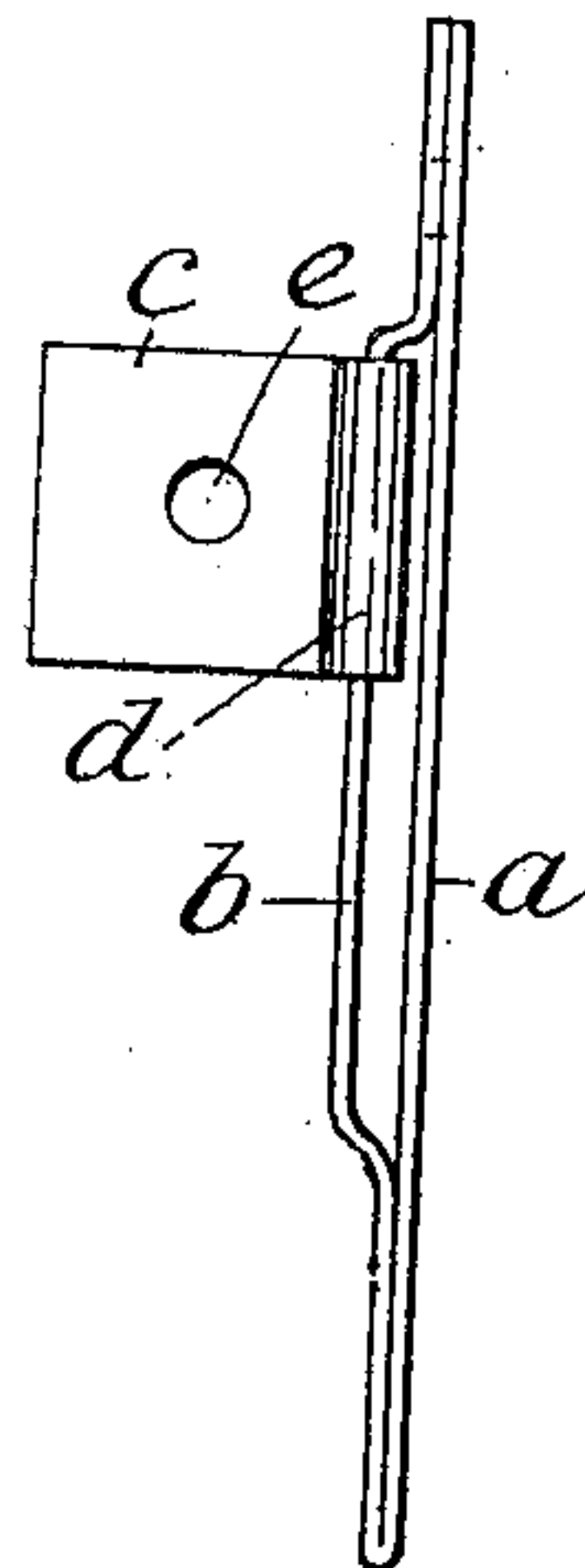


Fig. 3.

Witness
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JOHN W. COUNCILOR, OF WATERLOO, IOWA.

STORM-WINDOW HINGE.

No. 875,897.

Specification of Letters Patent.

Patented Jan. 7, 1908.

Application filed January 26, 1906. Serial No. 298,017.

To all whom it may concern:

Be it known that I, JOHN W. COUNCILOR, a citizen of the United States of America, and a resident of Waterloo, Blackhawk county, Iowa, have invented certain new and useful Improvements in Storm-Window Hinges, of which the following is a specification.

My invention relates to improvements in storm window hinges, and the object of my improvement is to provide hinges which will not only permit a storm sash to be fitted to the window casing from the inside of the building, but will, when the same is in place, allow the sash to be easily swung outward, and slightly dropped from the top to aid in ventilation of the building. This object I have effected by the means which are hereinafter described and claimed, and which are illustrated in the accompanying drawings, in which—

Figure 1 is a full size front elevation of my improved hinge and Fig. 2 is a side elevation of the same, Fig. 3 is a perspective elevation of the same, and Fig. 4, is a perspective view of a window casing fitted with a storm window hung on my improved hinges, and representing said storm window as swung outward and slightly dropped, to facilitate ventilation.

Similar letters refer to similar parts throughout the several views.

My storm window hinge is composed of two parts, a hanger member and a slide member. The hanger member consists of a strip of thin metal *a*, bent over on itself to form a slideway *b*, closed at each end. A shorter strip of metal is bent at right angles to form the slide member *c*, one part of the angle projecting and having a perforation *e*, while the other part *d* is inserted within the slideway, between it and the back plate *a*, and has its end bent over to contact with the outer surface of *b*.

The upper end of the hanger member *a* has a perforation *f*. The hanger-members *a* are hung to the upper part of the inwardly projecting strips *l* of the casing *m*, the latter resting on the sill *n*, by screws *g*, while the slide-members *c* are secured to the inner side of each upper corner of the window *k* by screws *h*.

Any desired fastening means may be used to attach the lower part of the storm window to the casing shoulders.

It will be obvious that this window may be hung from the inside of the building, as the hangers and fastening means are on the inside of the casing. When it is desired to swing the storm window *k* open for purposes of ventilation or otherwise, the fastenings at the bottom of the window are released, and the lower end of the window pushed out, when the slide-arms *c* will drop from their upper position as shown in Fig. 1 to their lowermost position as shown in Fig. 3, permitting the window to release itself from contact with the casing contact strips *l*, and drop to the same distance as the slides *c*, leaving a space between the upper cross piece of the window sash and the upper part of the window casing. When the sash *k* is raised, each arm *c* will move up, and the sash drop back into its closed position within the casing.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In combination, a window-frame provided with stops, a sash adapted to be swung outwardly only away from said stops, hanger-members each shaped from a plate bent upon itself to form parallel members spaced apart having registering orifices through their open ends and means whereby said plates may be suspended from said window-frame, and angle-plates attached to said sash and having projecting portions adapted to slide within the slideways in said hanger-members.

2. In combination, a window-frame provided with casing-strips, a sash fitted in said frame outward of and in contact with said casing-strips, said sash prevented by said strips from swinging inwardly but being free to swing outwardly, hanger-members composed of plates each bent upon itself and spaced apart and closed together at the ends and pivotally suspended from said window-frame, and angle-plates secured to said sash having projections adapted to be received in and slidable within the medial spaces in said hanger-members.

Signed at Waterloo, Iowa, this 8th day of Jan. 1906.

JOHN W. COUNCILOR.

Witnesses:

D. W. JORDAN,
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