

(Model.)

J. B. DUNWODY, Jr.

SHUTTER BOWER.

No. 275,167.

Patented Apr. 3, 1883.

fig 1

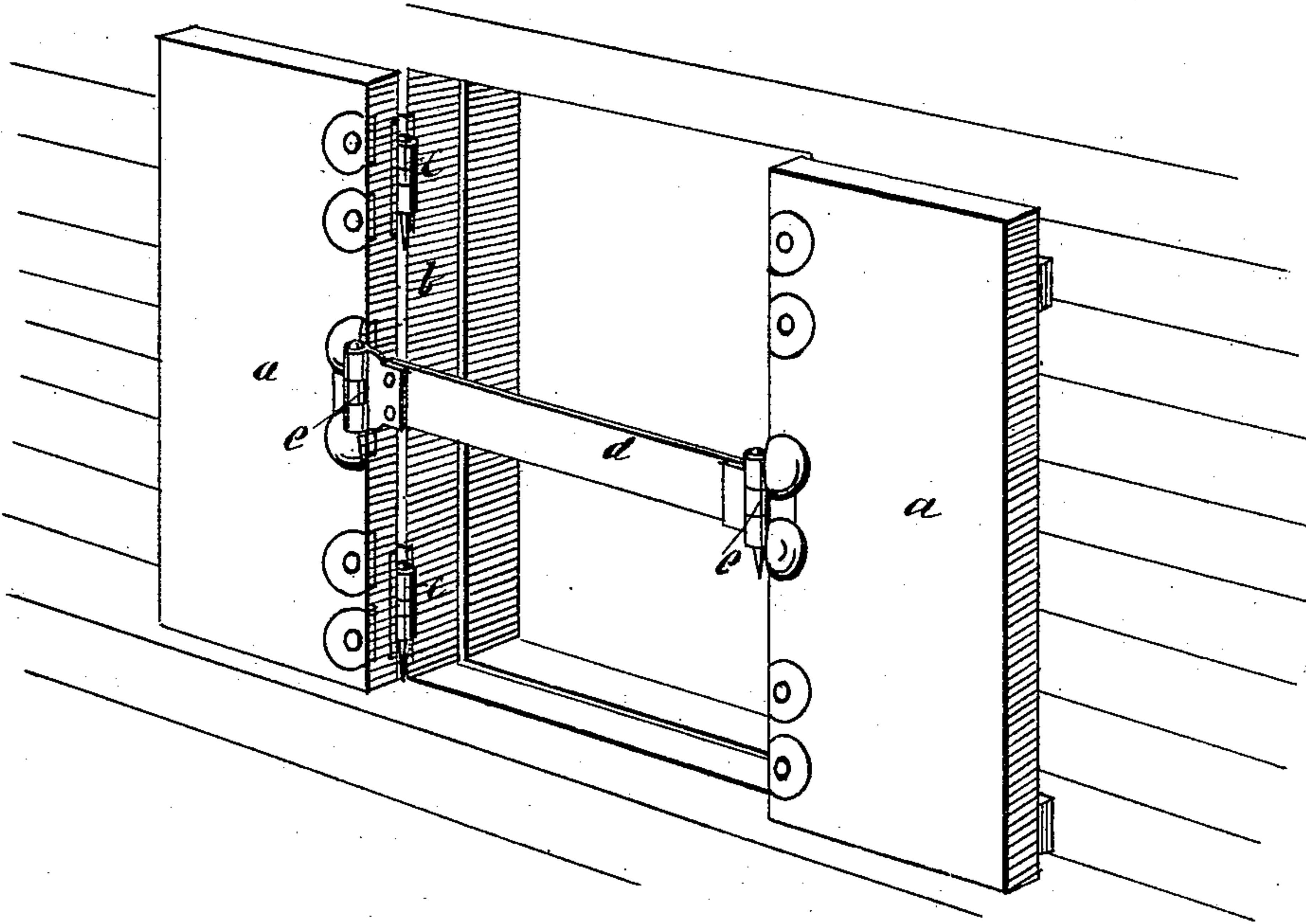


fig 2

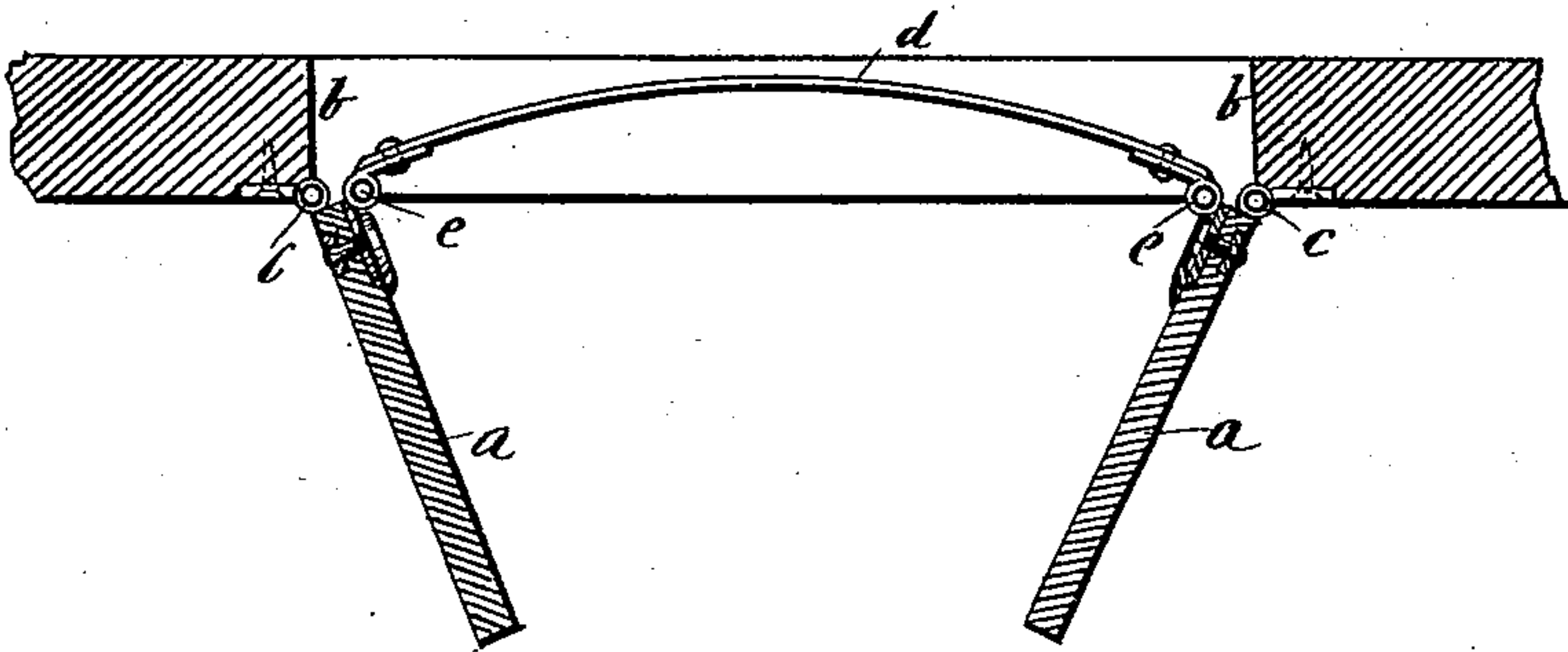
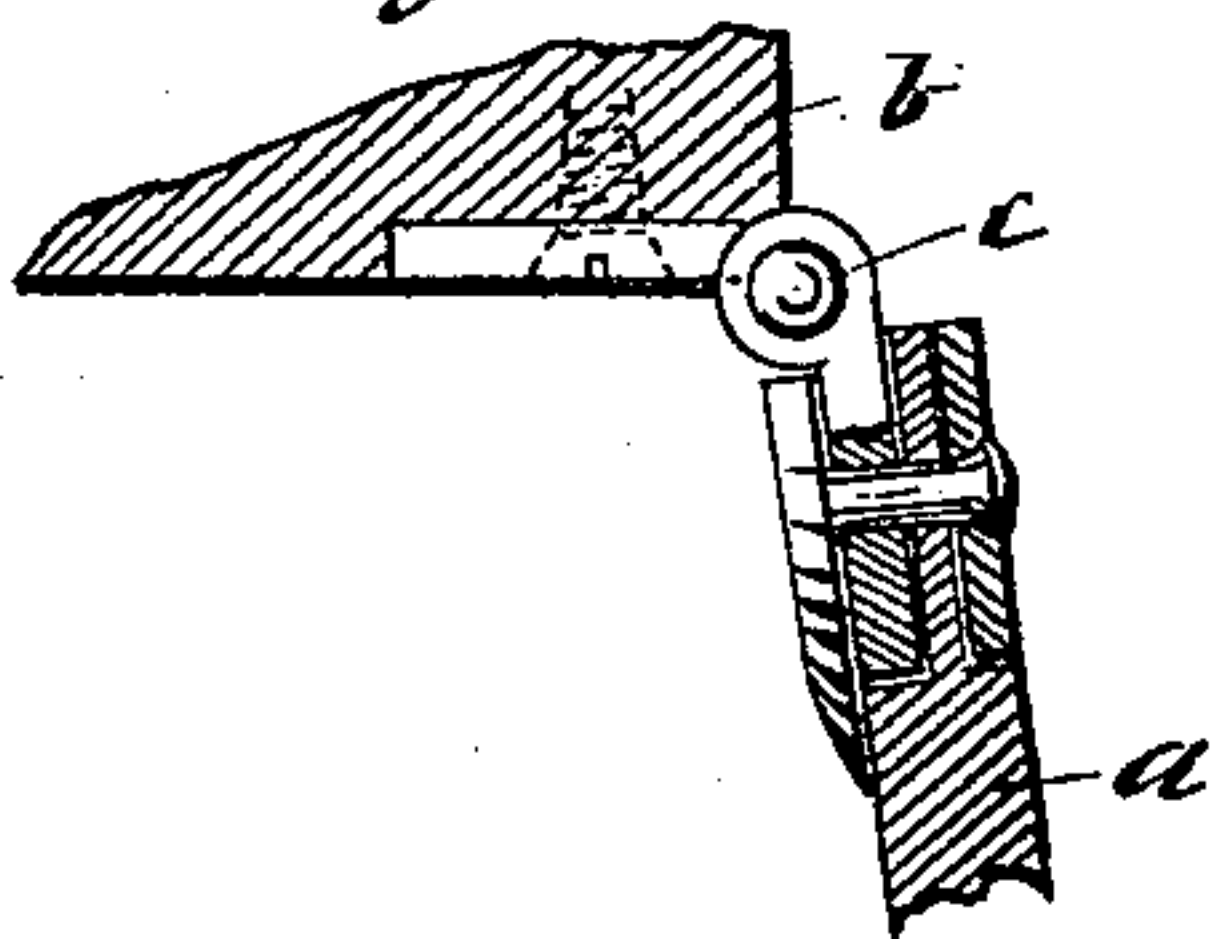


fig 3



WITNESSES:

Chas. T. Howell,
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES B. DUNWODY, JR., OF WALTERBOROUGH, SOUTH CAROLINA.

SHUTTER-BOWER.

SPECIFICATION forming part of Letters Patent No. 275,167, dated April 3, 1883.

Application filed September 7, 1882. (Model.)

To all whom it may concern:

Be it known that I, JAMES B. DUNWODY, JR., of Walterborough, in the county of Colleton and State of South Carolina, have invented a
5 new and Improved Window-Blind Operator and Fastener, of which the following is a full, clear, and exact description.

My invention consists of a spring-bar connecting the two blinds across the window at
10 the corners opposite to those by which the blinds are hinged to the buildings, so that it affords leverage by which to swing the blinds open or shut, and at the same time springs or bows in or out as the line between its joints
15 shortens by the swing of the hinges, and by its extension holds the blinds shut or open, according as they may be open or closed, all as hereinafter fully described.

Reference is to be had to the accompanying
20 drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a pair of window-blinds provided with my improved
25 operator and fastener. Fig. 2 is a horizontal section of the same when being closed by the spring; and Fig. 3 is a detail of the blind-hinge in section.

a represents the blinds, which are hinged to
30 the window-jambs *b* at *c* in the usual or any approved way.

d is the spring-bar, which I connect to the blinds across the window by hinge-joints *e*, said joints being located at the corners of the

blinds opposite hinges *c*, in order that the ex- 35
tension of the bar will be about the same whether the blinds are opened or closed. The bar is to be constructed in suitable length to reach between the hinge-joints *e* when the
40 blinds are open or shut, as in Fig. 1, and thus by its extension hold them in that position. It springs, as indicated in Fig. 2, to accommodate the shortening of the line between the joints *e* when the blinds are opened or closed.
45 The leverage between joints *e* and *c* enables the blinds to be opened or closed by the bar, according as it is pushed out or in.

The bar *d* may consist of a thin flat strip of spring metal, as here shown, or it may be constructed in any approved form or contrivance. 50

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

In a shutter-bower, the combination, with the shutters, of the spring-bar, pivot-jointed to 55
the shutters at the corners opposite the shutter-hinge pivots, and arranged to connect the shutters together at their inner edges and in a parallel plane to their inner sides, whereby it is adapted to be bowed inward to cause the 60
bowing of the shutters or straightened to lock the shutters open back against the outside of the house, as shown and described.

JAMES B. DUNWODY, JR.

Witnesses:

GEO. R. FRASER,
MELVIN CARTER.