

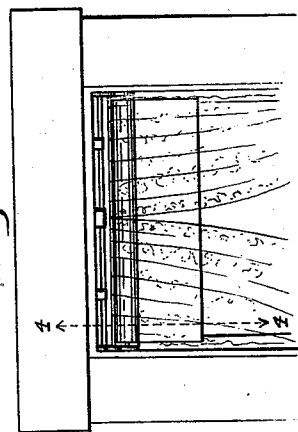
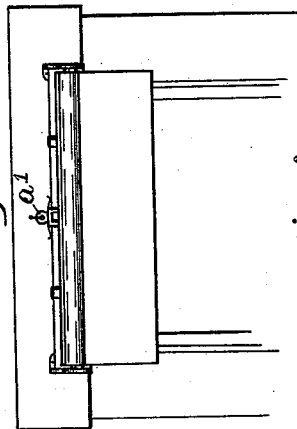
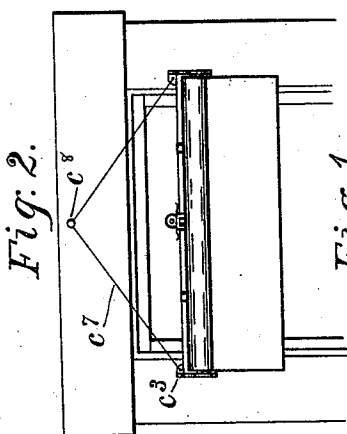
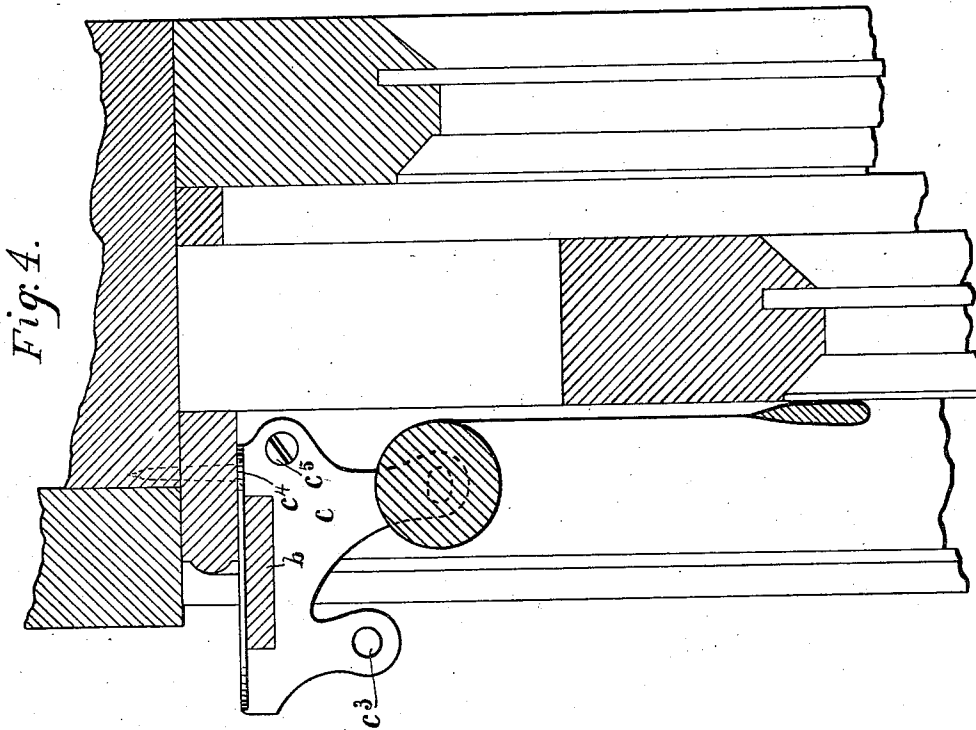
(No Model.)

2 Sheets—Sheet 1.

D. W. DEARDORFF.
ADJUSTABLE HANGER FOR WINDOW SHADE ROLLERS.

No. 549,844.

Patented Nov. 12, 1895.



Witnesses.

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W. F. Crawford

Inventor.

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Atty.

(No Model.)

2 Sheets—Sheet 2.

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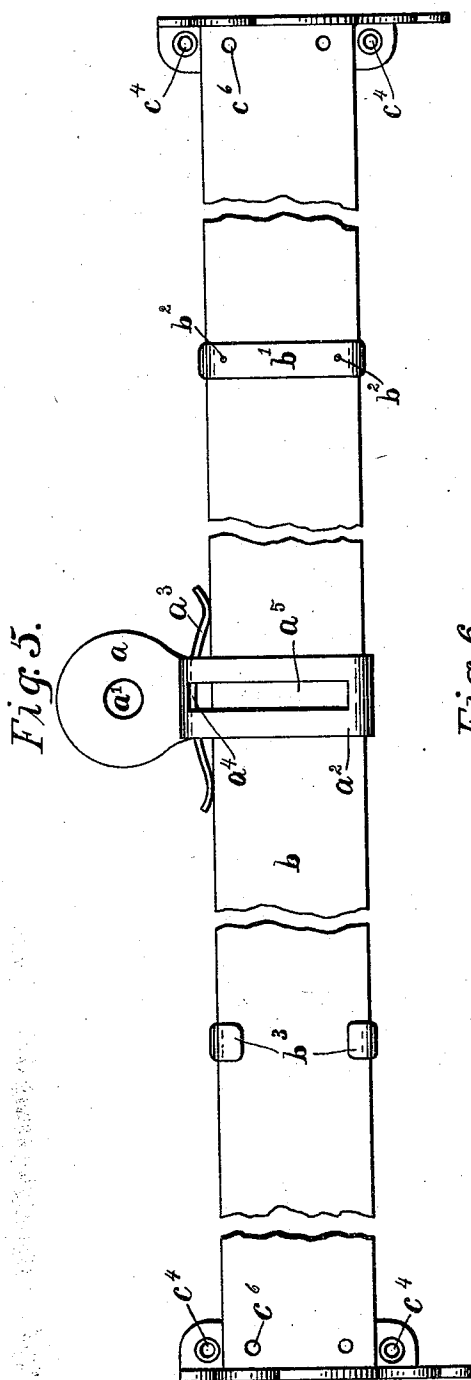


Fig. 5.

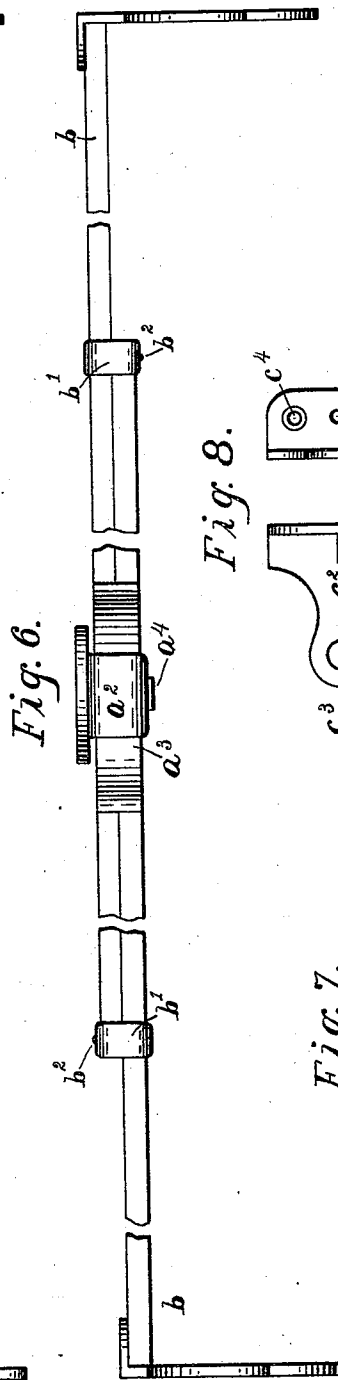


Fig. 6.

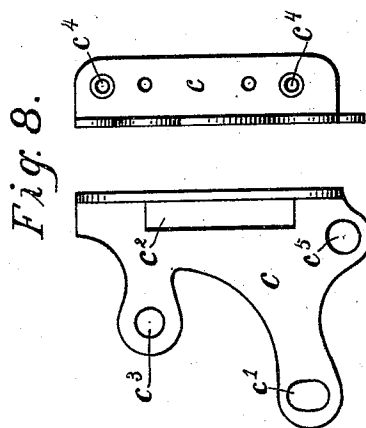


Fig. 8.

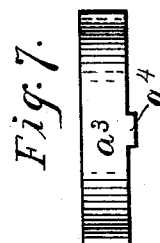


Fig. 7.

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UNITED STATES PATENT OFFICE.

DANIEL W. DEARDORFF, OF CINCINNATI, OHIO.

ADJUSTABLE HANGER FOR WINDOW-SHADE ROLLERS.

SPECIFICATION forming part of Letters Patent No. 549,844, dated November 12, 1895.

Application filed July 30, 1894. Serial No. 519,037. (No model.)

To all whom it may concern:

Be it known that I, DANIEL W. DEARDORFF, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented new and useful Improvements in Hangers for Window-Shade Rollers, of which the following is a specification.

My invention relates to an adjustable hanger for window-shade rollers; and the objects are, first, to produce a hanger that is adjustable to different widths of windows; second, a hanger that may be suspended at the sides or at the center of the window, and, third, one that may be suspended by a cord at any height, and I attain these objects in the manner shown in the accompanying drawings, and described in the following specification.

Figure 1 is a front view of my device attached to the window-casing, as is customary with ordinary fixtures. Fig. 2 is a front view of my device suspended by a cord from a central point in the casing and at any desired point of height. Fig. 3 is a front view of the device adapted to be secured beneath the cap of the window, supporting the blind entirely within the sight of the window. Fig. 4 is a sectional view on line 4 4, Fig. 3, showing how brackets *c* may be secured to cap of window with a screw passing through hole *c*⁴ and another through hole *c*⁵, in which case a furring of about one-eighth inch thickness should be put back of bracket-plate before securing with screw at *c*⁵, so as to hold brackets sufficiently far from side of window to retain the journals or stems of roller. Fig. 5 is a front view of the extensible bracket-bar of my device. Fig. 6 is an edge view of the bars and clips holding them together. Fig. 7 is a detached view of spring *a*³. Fig. 8 is a front and edge view of the brackets supporting the ends of the shade-roller.

Similar letters of reference refer to similar parts throughout the several views.

a is a supporting-loop surrounding the extensible bars *b*, as seen at *a*², and is provided with a spring *a*³, having a projection *a*⁴, extending through slot *a*⁵.

b b are a pair of slats forming the main or adjustable bar to which the brackets supporting the roller are secured. Said adjustable bar is composed of the two members *b*, each being provided at its inner extremity with a

clip *b'*, being secured at *b*², each to said inner extremity, and embracing at *b*³ the other member in a movable manner, so that they can be adjusted lengthwise at any point desired, and are then held by pressure of ends of spring *a*³ bearing upon their edges.

c is the end bracket supporting the roller, one being at each end and having the flanges by which they are secured to bars *b* extending in opposite directions, as seen in Fig. 4, and one being provided with an elongated slot *c*², for the purpose of holding the spring-stem of a spring-roller when such is used.

Slot *c*² is adapted to receive end of bars *b*, which are secured to brackets by rivets *c*⁶. These brackets are also provided with holes *c*⁴ and *c*⁵, by which they may be secured to window-casings, as seen in Figs. 3 and 4. A projection is formed to said bracket in which is a hole *c*³, by which the hanger may be suspended by a cord *c*⁷, held by a central pin or nail *c*⁸ at any desired height, as seen in Fig. 2. The hanger can also be suspended centrally from the projection *a* by placing a nail or screw in window-cap at a central point as seen at Fig. 1.

When the hanger is secured, as seen in Figs. 3 and 4, the projection with hole *a*³ may be utilized in connection with projection *a* for the support of drapery, as seen in Fig. 3, by means of a transverse cord running from *c*³ to *a* and *c*³. The hanger being thus complete in its preparation for use, it will be ready for any width of window, only requiring adjustment, so that no carpenter or other mechanic will be necessary to hang it, as it may be adjusted at the sales-room. The tension of the spring of the shade-roller where spring-rollers are used may also be adjusted at the sales-room.

In the use of my device when suspended from a central point, as seen in Figs. 1 and 2, the shade can be operated by taking hold of it at any point and may be swayed back and forth laterally without rolling it off to one or the other side, as the roller will remain at right angles to the curtain always.

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

1. In a hanger for shade roller side brackets, an adjustable connecting bar, clips binding the members of said bar adjustably together

at their inner ends, a central loop embracing both members of said connecting bar, a slot a^5 in side of said loop at right angles with said connecting bar, a spring adapted to rest
5 in said loop and bearing on said connecting bar and a projection a^4 on edge of said spring adapted to engage with slot a^5 as set forth.

2. In a hanger for shade rollers, the combination with an extensible bar carrying the
10 roller-brackets, of a central loop provided with a slot, and a leaf spring fitted within the loop and bearing upon the members of said bar, said spring having a tongue which is
15 fitted in the slot of the loop to hold the spring against endwise displacement, substantially as described.

3. The shade hanger herein shown and described comprising a central slotted loop, an
20 extensible bar having its members fitted in the loop and with each member provided with

a shade-bracket, a leaf spring fitted within the loop to have its free ends bear upon the bar-members and provided with a tongue which fits in the slot of the loop, and clips b'
25 each fastened to one bar-member and slidably embracing the other bar-member, substantially as described.

4. In a shade hanger, the side brackets c each provided with a right-angled perforated flange, a slot c^2 , and the perforated ears, combined with a bar having its ends fitted in the
30 slots of the brackets, and fastening nails or screws which pass through the perforated flange and into the bar, substantially as and for the purposes described.

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Witnesses:

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