

(No Model.)

E. BEACH.
ROLLER SHADE HOLDER.

No. 411,775.

Patented Oct. 1, 1889.

Fig. 1.

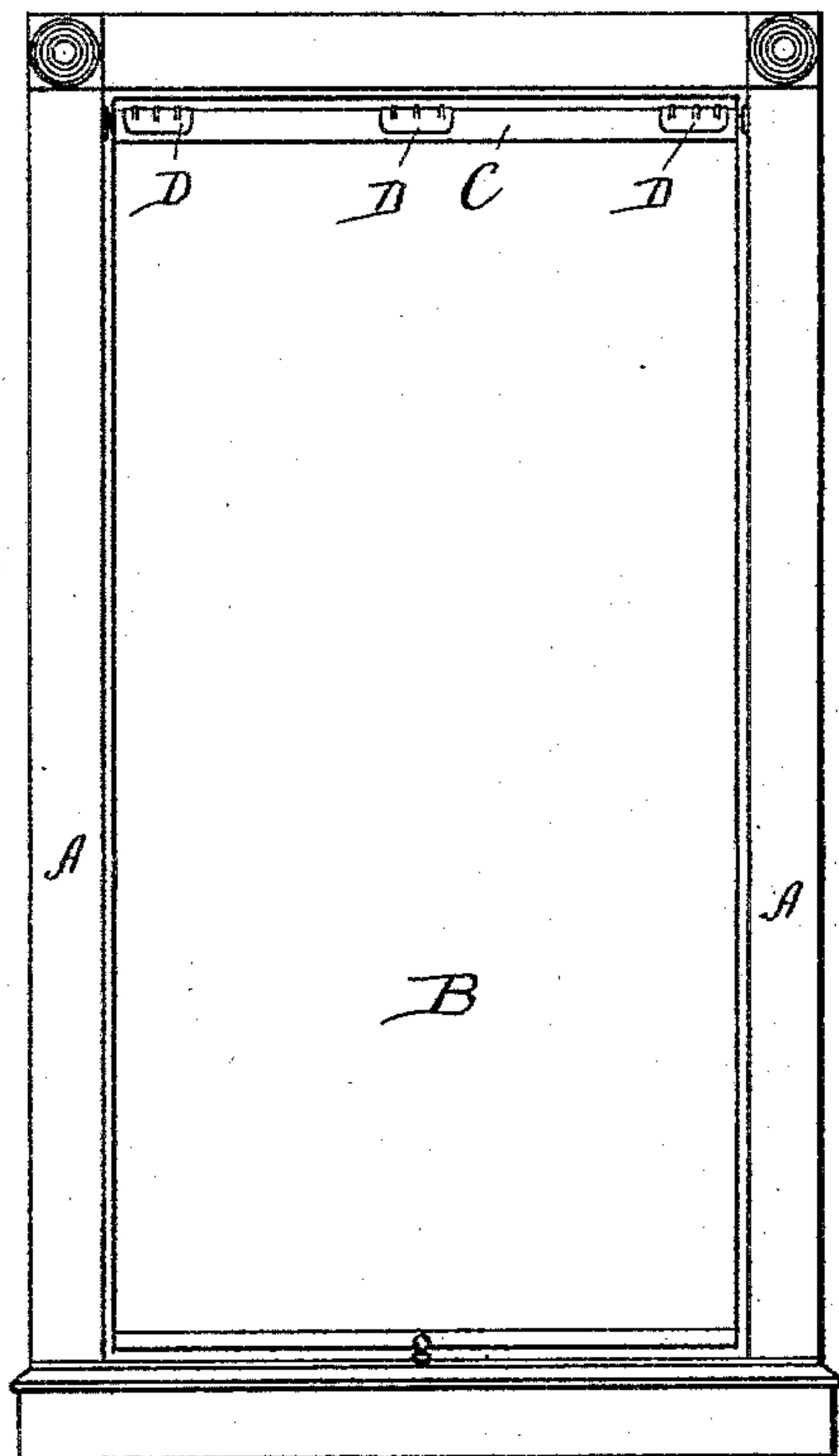


Fig. 2.

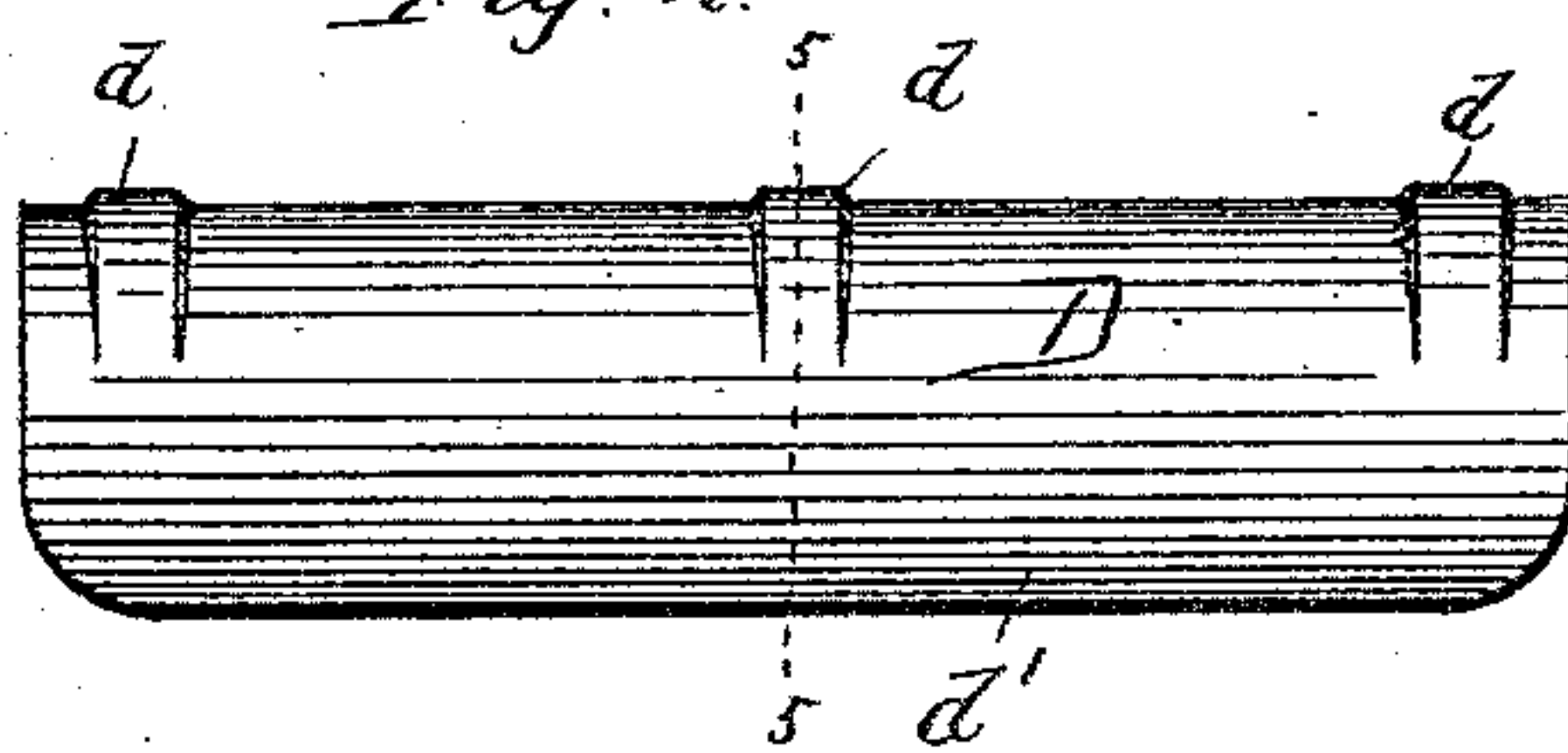


Fig. 3.

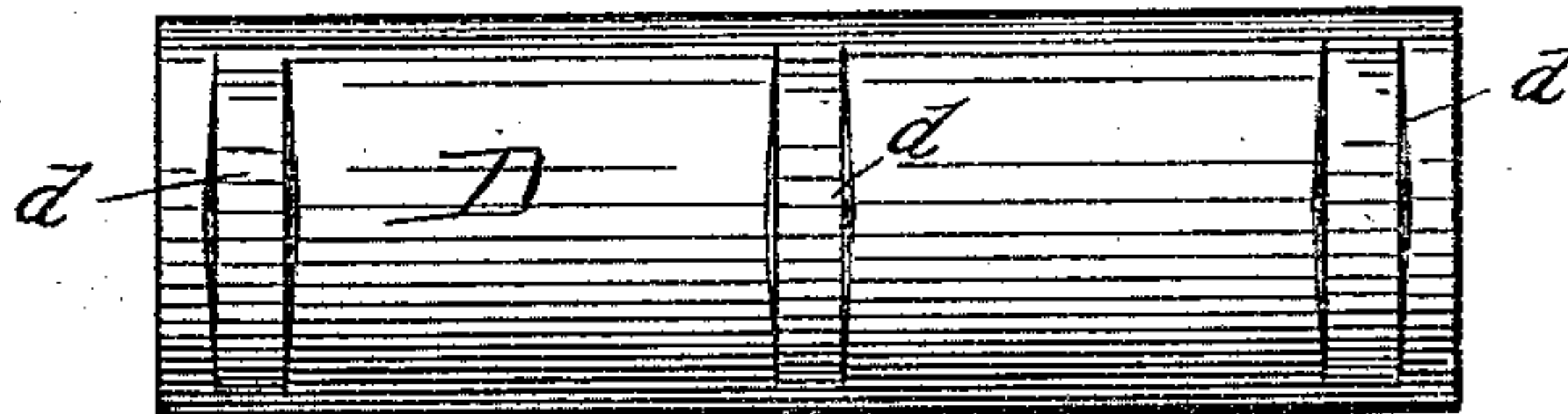


Fig. 4.

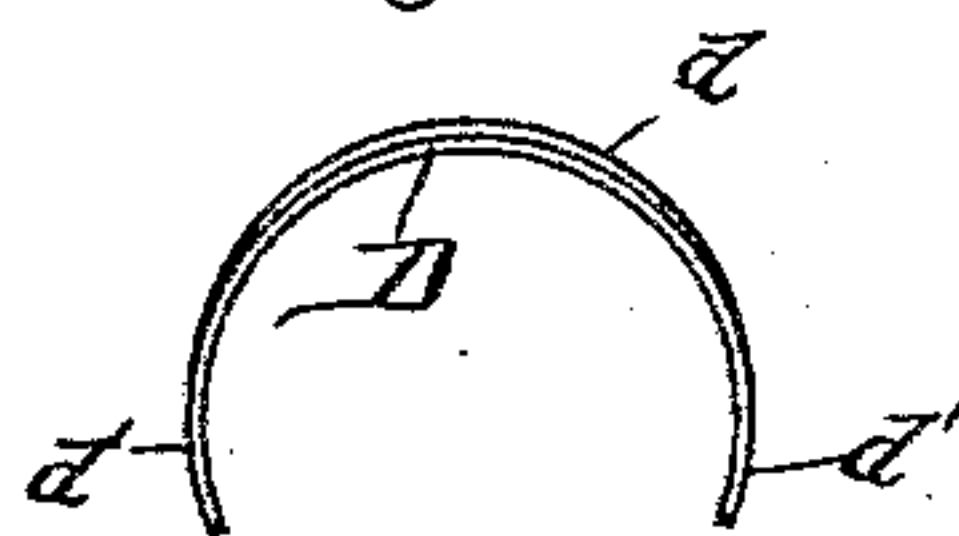
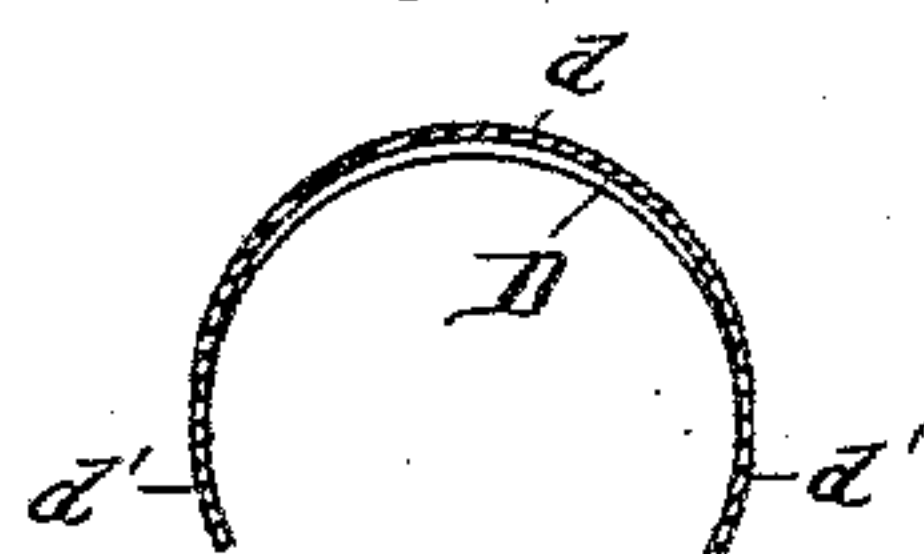


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

ELIAS BEACH, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE WYANT MANUFACTURING COMPANY, OF SAME PLACE.

ROLLER-SHADE HOLDER.

SPECIFICATION forming part of Letters Patent No. 411,775, dated October 1, 1889.

Application filed April 12, 1889. Serial No. 306,948. (No model.)

To all whom it may concern:

Be it known that I, ELIAS BEACH, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have
5 invented a new and useful Improvement in Roller-Shade Holders, of which the following is a specification.

My invention relates to improvements in roller-shade holders or devices by which the
10 paper or other shade is secured to the revolving roller upon which it is carried and around which it is wound.

It is the object of my invention or improvement to provide a construction of sheet-metal
15 roller-shade holders which will increase their efficiency and durability, whereby the cost of the holders may be diminished, and which at the same time will not interfere in any way with the rolling or winding of the shade
20 smoothly on the roller.

I have discovered, and herein my invention consists, that by providing the back or central portion of the curved sheet-metal holder
25 with one or more (preferably three) raised ribs or beads stamped in the sheet metal substantially as shown in the accompanying drawings, the holder may be made of much lighter and cheaper stock without in any way detracting from the efficiency of the holder.

30 In the accompanying drawings, which form a part of this specification, and in which similar letters of reference indicate like parts, Figure 1 is a front elevation showing a shade and roller with my improved holder applied.
35 Fig. 2 is a side elevation of the holder; Fig. 3, a back view; Fig. 4, an end view, and Fig. 5 a section on line 5 5 of Fig. 2.

In the drawings, A represents a window-casing; B, the shade; C, the roller, and D the
40 curved sheet-metal holder by which the upper end of the shade is secured to the roller.

The holder D is made from a blank of sheet metal curved into somewhat more than semicircular form, as clearly indicated in Figs. 4
45 and 5, so as to properly clamp over the roller

C, and it is provided with transverse raised ribs or beads *d*, preferably three in number, located on the back or central portion of the holder and extending, preferably, about half-way from the middle line, on each side thereof, 50 of the holder to its two free edges *d'*, as is clearly indicated in Figs. 2, 3, and 5. These beads should be about one-quarter of an inch in width and taper at their ends into the curved surface of the holder, as is shown in 55 Figs. 4 and 5. This tapering of the beads at their ends aids in giving the proper spring action to the free edges *d' d'* of the holder. The beads or ribs *d* are formed by stamping the blank, and are raised, preferably, to the thickness of the tin or sheet metal, as is indicated in Figs. 2, 4, and 5. In practice the holders furnished with these ribs are made about three inches in length.

The ribs or beads *d* stiffen and give greater 65 clamping-power to the central or body portion of the holder without destroying the resilience of the longitudinal edges.

I am aware of the construction of holders shown in patents to Mosher, No. 248,494, Oc- 70 tober 18, 1881, and to Rosch, No. 320,290, June 16, 1885, and disclaim the same.

I claim—

1. The sheet-metal roller-shade holder made semicircular, so as to conform to the surface of 75 the roller, and provided at its central portion with stiffening-indentations, substantially as specified.

2. The sheet-metal clamp for roller-shades, made semicircular, so as to conform to the 80 surface of the roller, and provided with central transverse indentations, whereby the longitudinal center of the clamp is rendered stiffer than the edges thereof, substantially as specified.

ELIAS BEACH.

Witnesses:

H. M. MUNDAY,
EDMUND ADCOCK.