

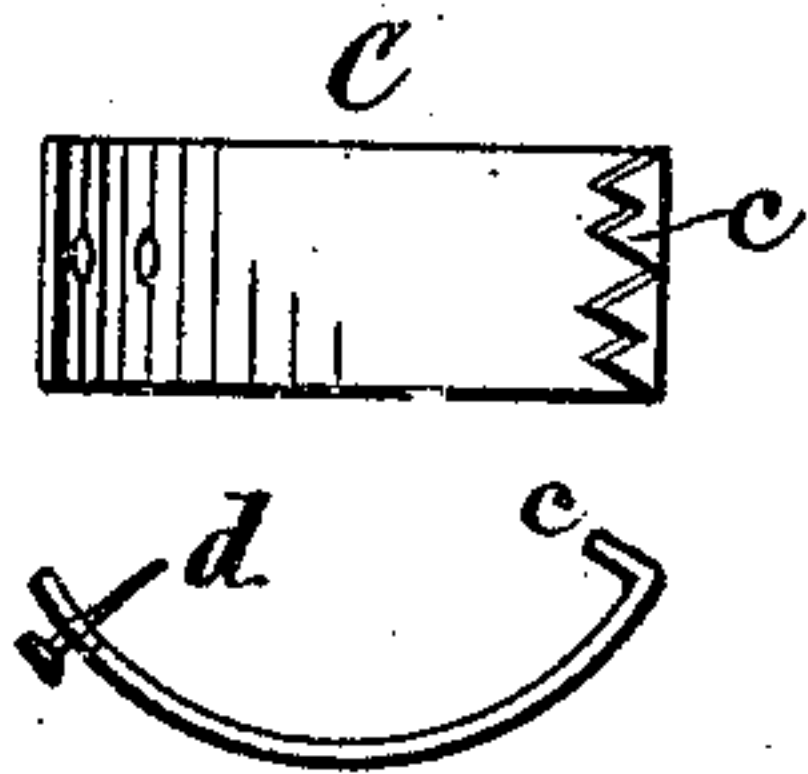
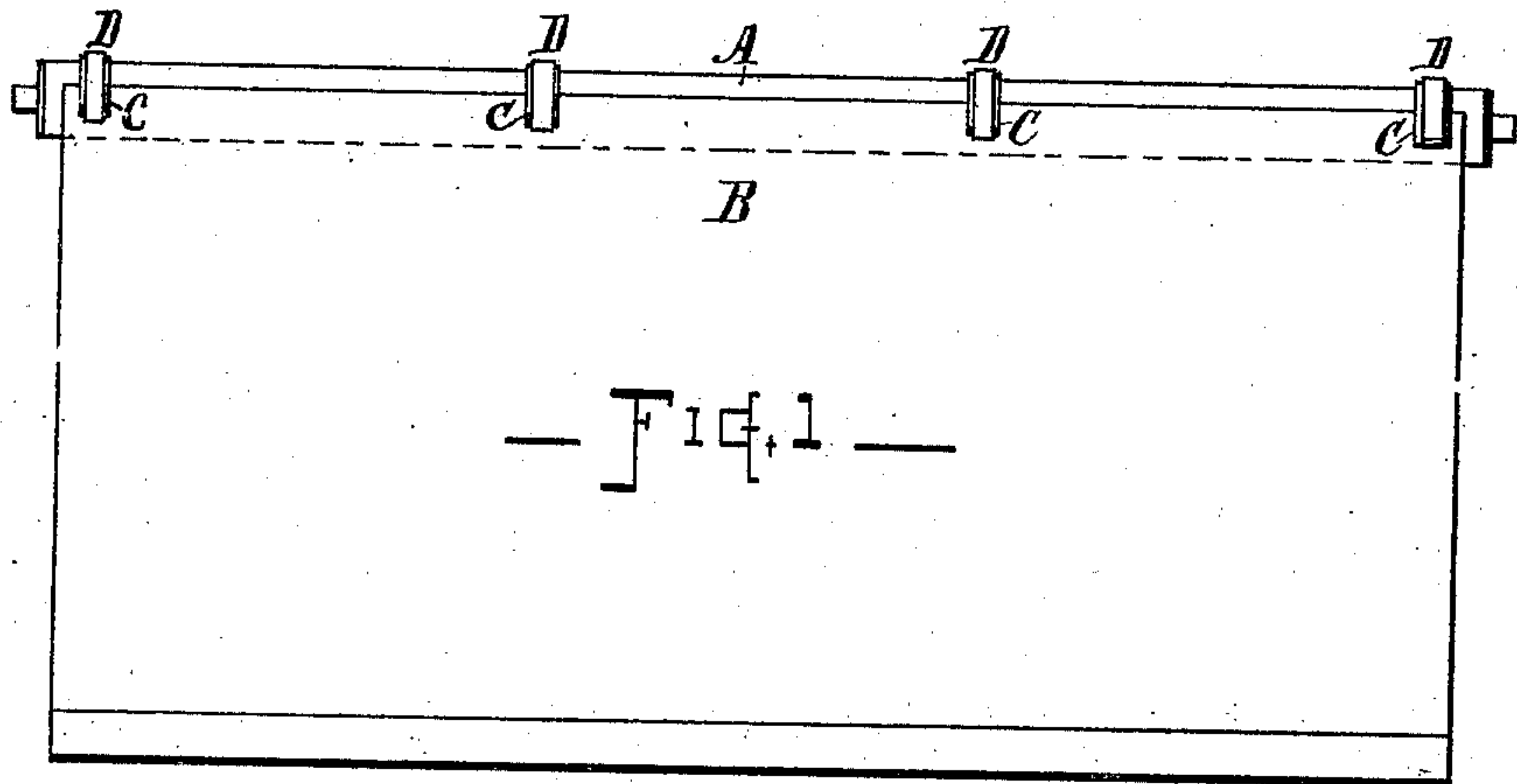
(No Model.)

J. W. MARSH.

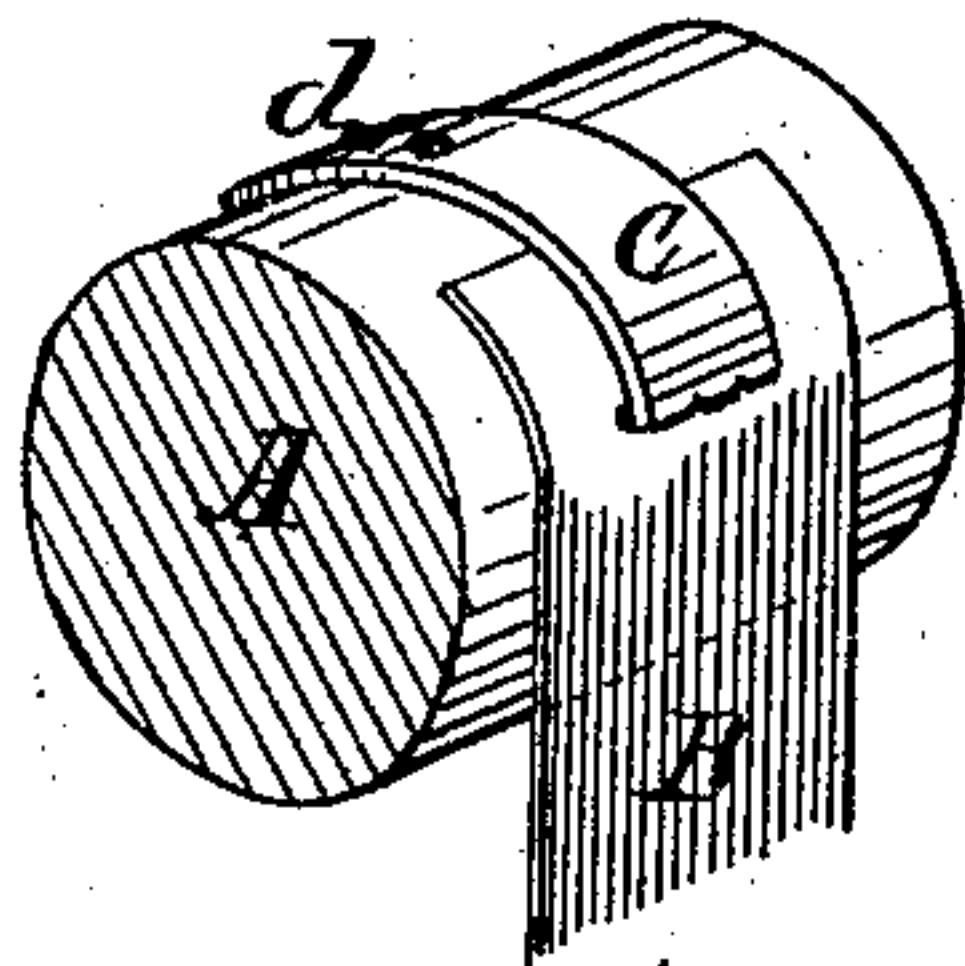
ATTACHING WINDOW SHADES TO ROLLERS.

No. 265,688.

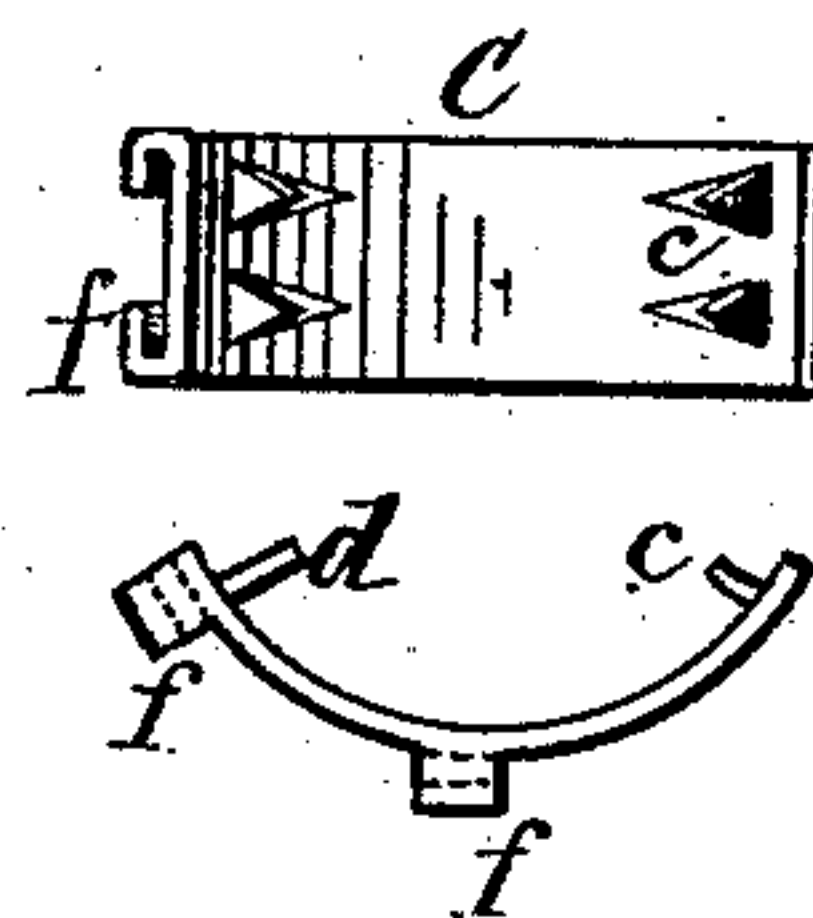
Patented Oct. 10, 1882.



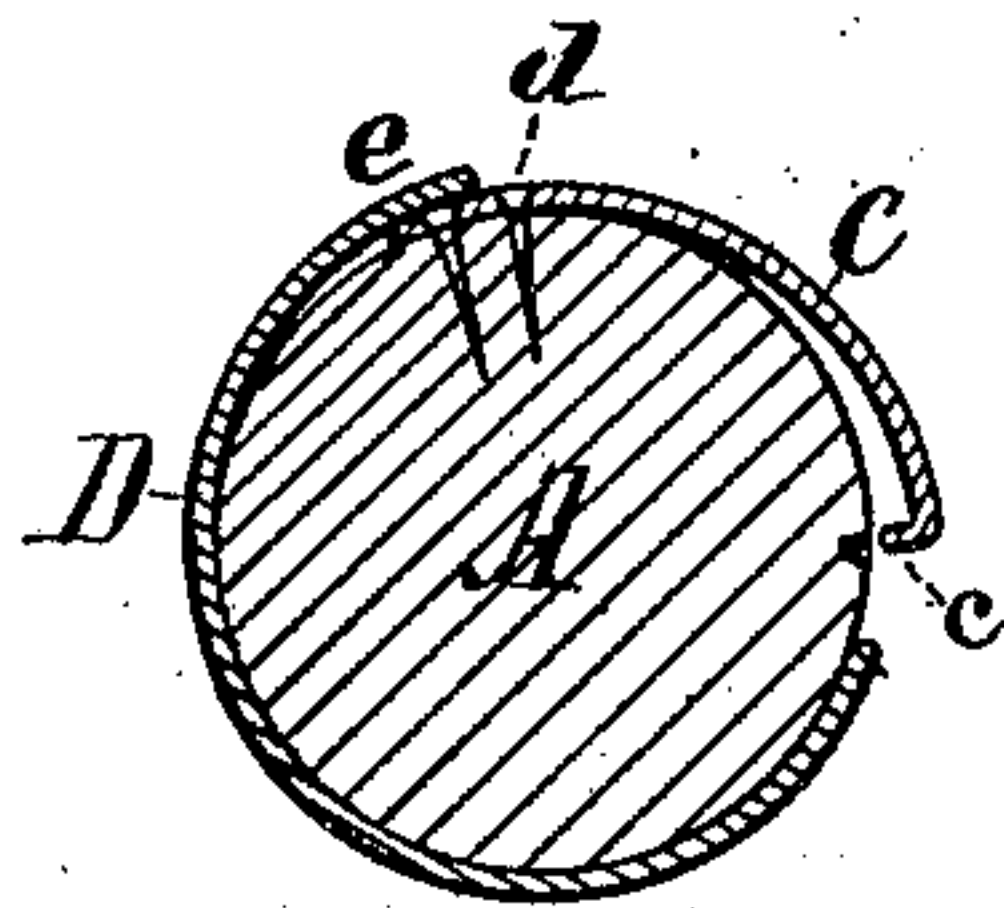
- Fig. 7 -



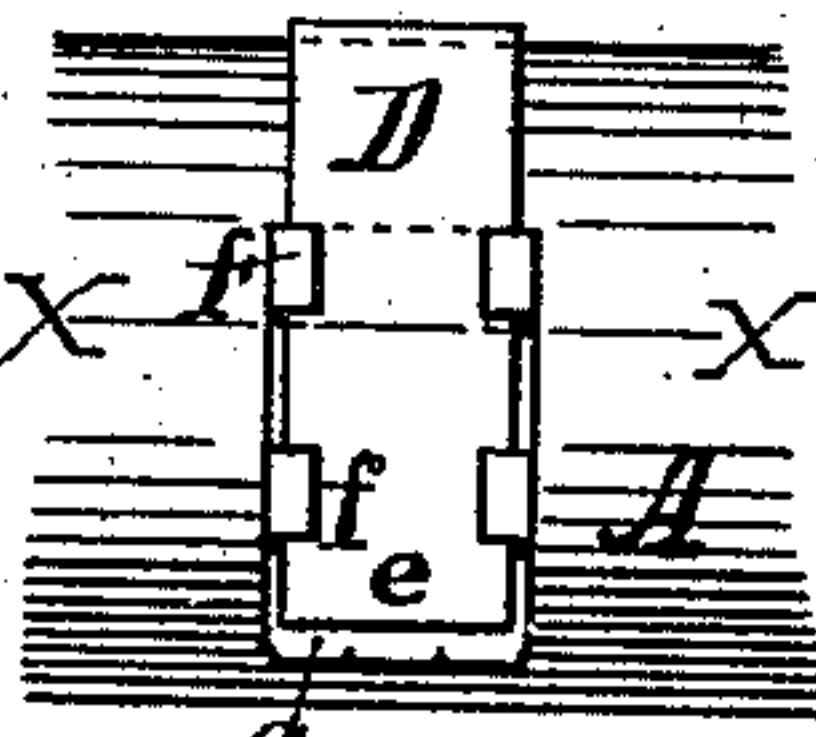
- Fig. 4 -



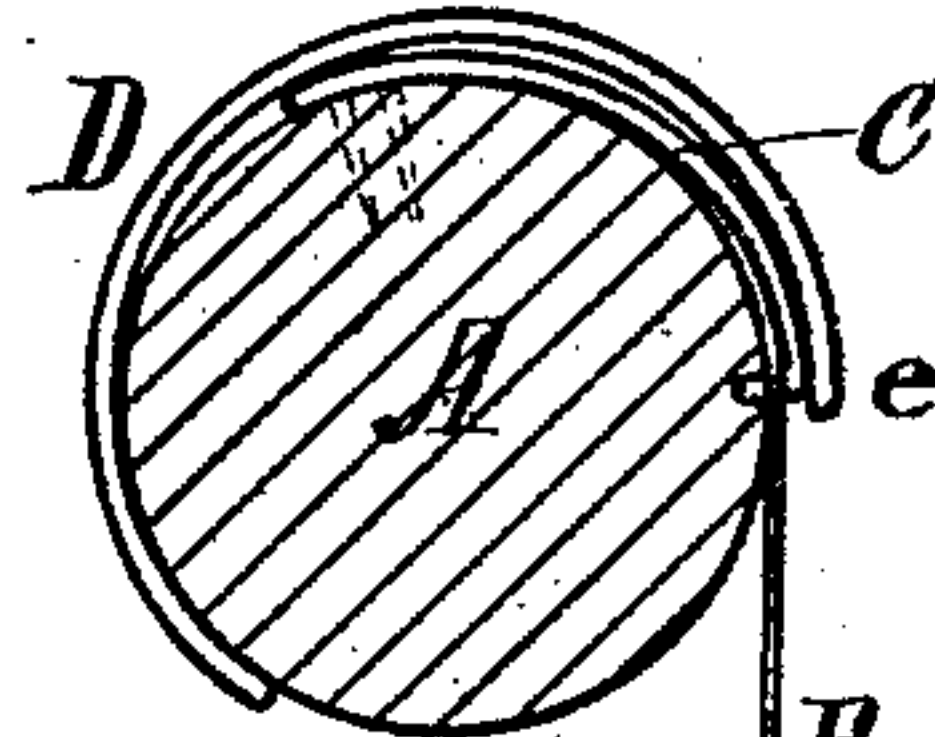
- Fig. 8 -



- Fig. 2 -



- Fig. 5 -



- Fig. 3 -



- Fig. 6 -

WITNESSES -

A. W. Matthews.
D. R. Patton

INVENTOR -

John W. Marsh
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Att'y.

UNITED STATES PATENT OFFICE.

JOHN W. MARSH, OF OXFORD, MASSACHUSETTS.

ATTACHING WINDOW-SHADES TO ROLLERS.

SPECIFICATION forming part of Letters Patent No. 265,688, dated October 10, 1882.

Application filed June 5, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. MARSH, of Oxford, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Devices for Attaching Window-Shades to Rollers; and I declare the following to be a description of my said invention sufficiently full, clear, and exact to enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

The object of my present invention is to provide a simple, convenient, and practical device for attaching window curtains or shades to their rolls by a secure and firm connection, and in such manner that the shade can be readily detached and adjusted as required.

To this end my invention consists in a fastening device constructed and operating as hereinafter described, and the combination thereof with the roller and window-shade, as hereinafter described.

In the drawings, Figure 1 represents a front view of a window-shade connected to its roll by my improved attaching devices. Fig. 2 is a transverse section of the roll and attaching device, the latter being opened ready to receive the edge of the shade. Fig. 3 is a transverse section of the roll, showing the fastener locked onto and supporting the shade. Fig. 4 is a perspective view, showing a portion of a roller and shade and the grip-piece holding the shade attached to the roller. Fig. 5 is a plan view of the attaching device made with side ears for retaining the ring in place thereon. Fig. 6 is a transverse section of the same at lines *x x*, and Figs. 7 and 8 show detail views of the gripping-piece formed in two styles or modifications.

In reference to the drawings, A denotes the roller, and B the shade or curtain, which may be any ordinary style of rolling shades, with tin or wood roller.

The attaching device is composed of a grip-piece, C, connected to the roller, and a locking-ring, D, adapted to slip over said grip-piece for locking it in position. Said pieces C and D are made substantially in the form illustrated, of steel or brass ribbon or thin plates properly swaged or bent to fit the curvature of

the roll. The grip-piece C is provided with projections, points, or teeth *c* at one end, suitable for retaining the fabric of the shade B, while its other end is fitted for connection to the roll A by tacks or studs *d*, or in other suitable manner, so that the loose end can be sprung away from the roll-surface for the insertion of the shade B beneath it. The ring D is open at one side, and is arranged to slide over the piece C, as illustrated in Fig. 3, for holding the end of said grip-piece down upon the shade, or to slide back, as in Fig. 2, for releasing the grip-piece. Said ring D may be made plain or ornamented, and may be made smooth or roughened on the exterior, as preferred. The grip-piece can, if desired, be made with ears *f*, as in Figs. 5, 6, and 8, for retaining the ring D laterally upon said piece. The teeth may be formed by bending down the notched end of the plate, as in Fig. 7, or by punching them through the plate, as in Fig. 8, or in other suitable manner. By making the teeth to incline inward the weight of the shade tends to draw the grip-piece down snug against the roller, and thus increase the grip as the weight increases.

To attach the shade or curtain the ring D is first slipped back to the position indicated in Fig. 2. The edge of the shade is then inserted beneath the grip-piece C, the end of said piece pressed down, causing its teeth to engage or penetrate the fabric of the shade, and the ring D is then slipped forward to the position indicated in Fig. 3, so that its end *e* presses upon and holds down the grip-piece, thereby firmly retaining the edge of the shade beneath it.

As many of these attaching devices as required can be used for each shade, four or five being ordinarily sufficient for common shades.

The device constructed as herein shown and described retains the curtain with a sure and firm grip, permits of adjustment of the shade on the roller, and allows of the shade being readily and conveniently detached and replaced as desired.

The device consisting of the ring and grip-piece can be made and sold as a separate article of manufacture and applied to the rollers by the purchaser; or the rollers can be fitted with the devices and sold together, as desired.

I am aware that open rings have heretofore

been employed for retaining shades to rollers, and I do not therefore herein claim such rings alone or as heretofore used.

What I claim as of my invention, and desire
5 to secure by Letters Patent, is—

1. As an improved article of manufacture,
the within-described device for attaching win-
dow-shades to rollers, consisting of a curved
metal gripping-piece, C, having projections or
10 teeth *c*, and adapted to be fixed to a curtain-
roller, and an elastic metal ring, D, open at
one side, and adapted for embracing the roller
and grip-piece for pressing down the end of

said grip-piece upon the edge of the shade, as
hereinbefore set forth.

2. The combination, with a roller, A, and
window-shade B, of the curved grip-piece C
and the movable supporting-ring D, substan-
tially as shown and described.

Witness my hand this 3d day of June, A. D. 20
1882.

JOHN W. MARSH.

Witnesses:

CHAS. H. BURLEIGH,
AUSTIN W. MATHEWS.