

(No Model.)

J. GAMBLE.
CURTAIN FIXTURE.

No. 336,851.

Patented Feb. 23, 1886.

Fig. 1.

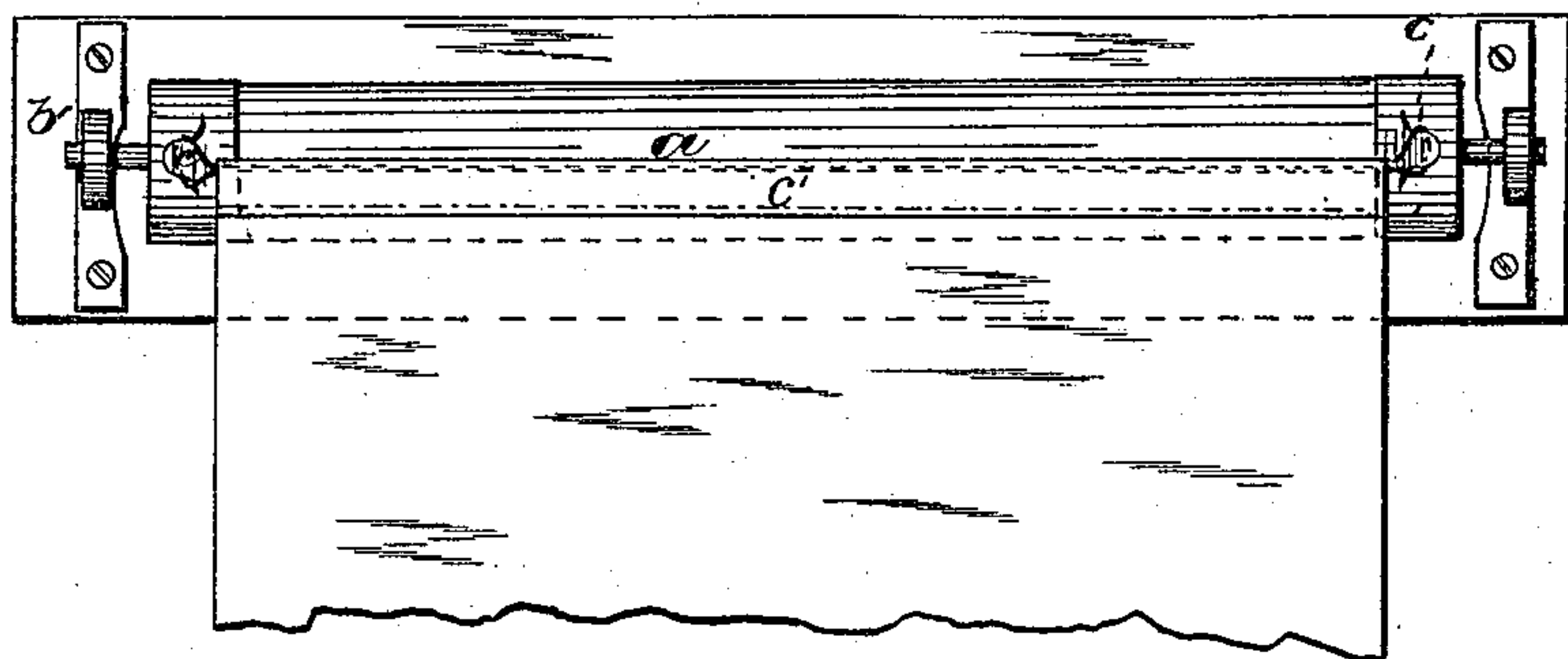


Fig. 2.

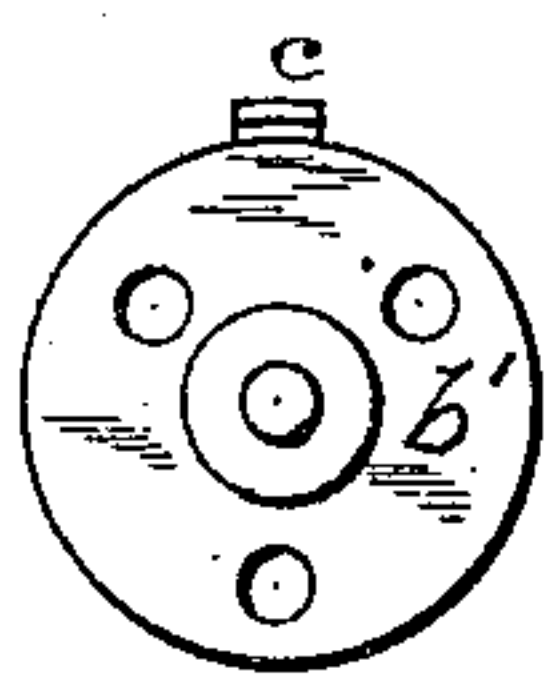
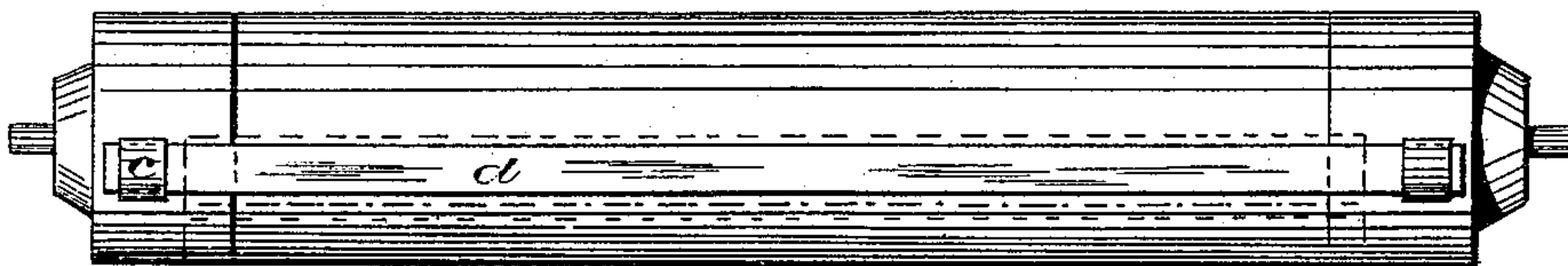


Fig. 3.

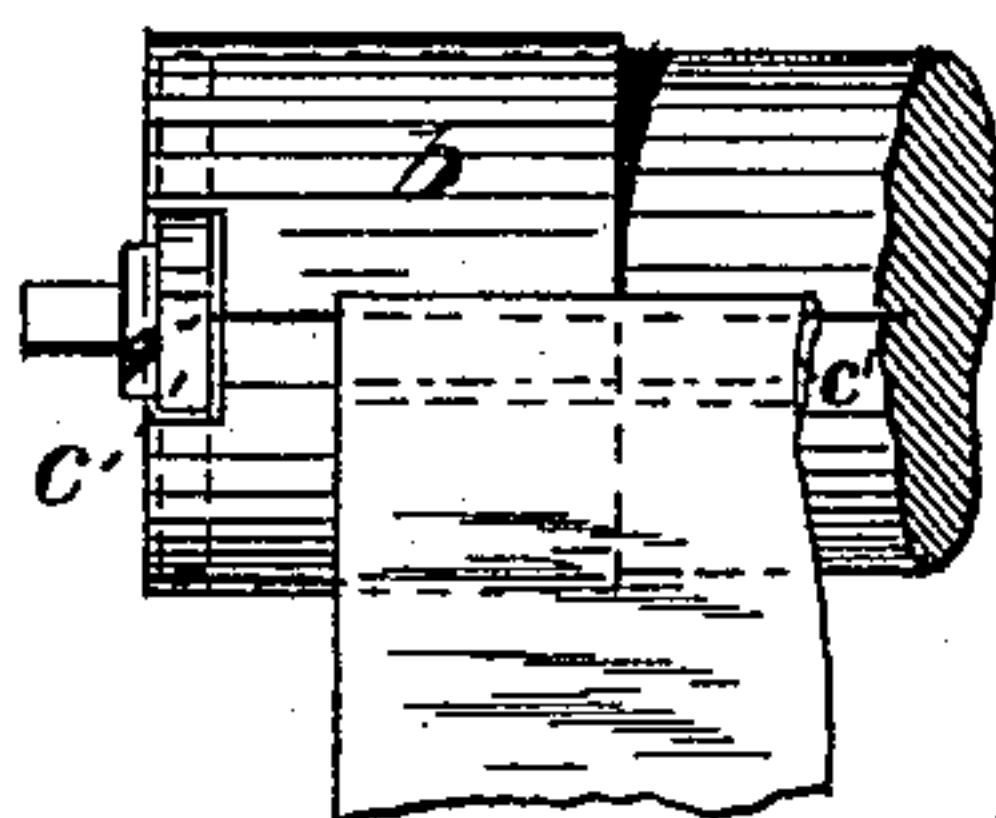


Fig. 6.

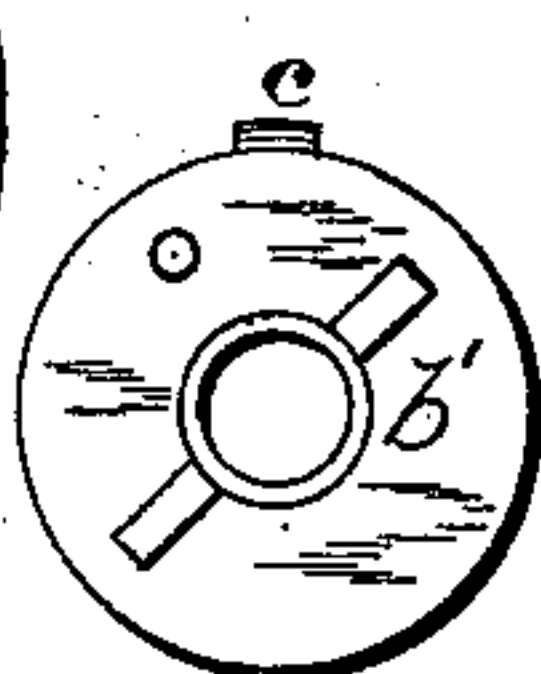


Fig. 4.

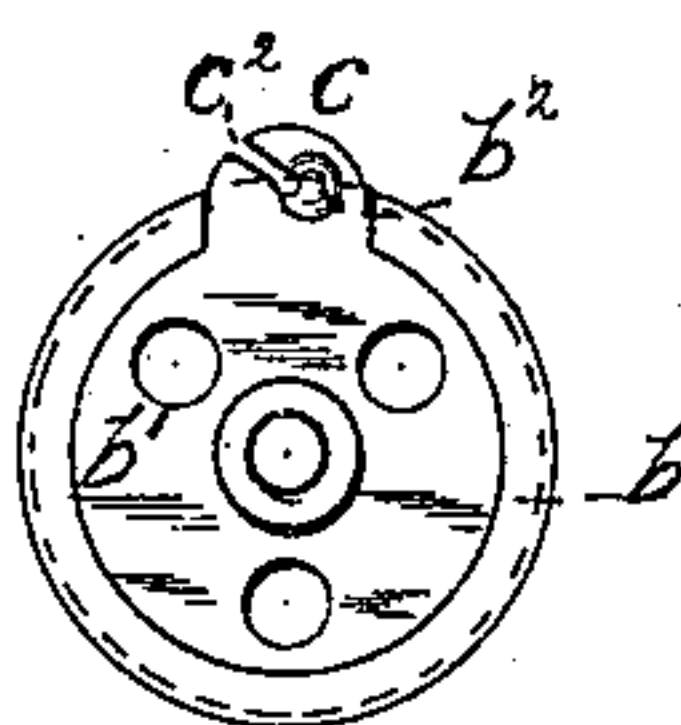


Fig. 7.

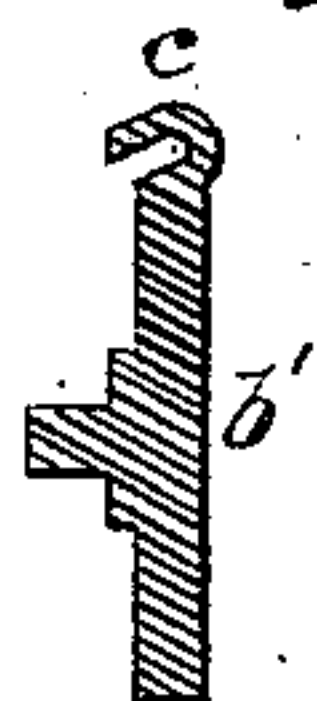


Fig. 5.

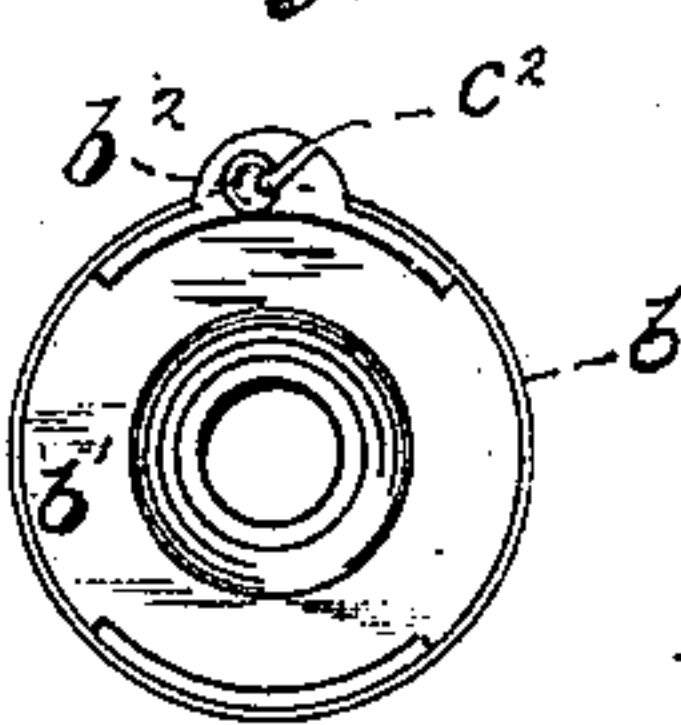


Fig. 8.

Attest:

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UNITED STATES PATENT OFFICE.

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CURTAIN-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 336,851, dated February 23, 1886.

Application filed June 3, 1885. Serial No. 167,463. (No model.)

To all whom it may concern:

Be it known that I, JOHN GAMBLE, a citizen of the United States, residing at East Newark, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Curtain-Fixtures; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in devices for attaching curtains to the rollers, and is designed to more easily adjust the curtain upon the roller without soiling or tearing the curtain, which is liable to happen when tacked thereon.

The invention consists in the devices constructed and arranged substantially as illustrated in the drawings, described in the specification, and finally embodied in the clauses of the claim.

Referring to the accompanying drawings, in which similar letters of reference indicate like parts in each of the figures, Figure 1 is a front elevation of a curtain roller and fixtures and a portion of a curtain secured to the hooks struck up from the ferrules by a cord passing through a loop on said curtain. Fig. 2 is a similar view showing a metallic wire or strip extending through the looped curtain, instead of a cord. Figs. 3 and 4 are end views of plates adapted to be secured to the end of a roller and provided with hooks or catches on the periphery, to which the cord is attached. Fig. 5 is a section taken vertically through Fig. 3. Fig. 6 is an elevation of one end of a roller and a portion of the curtain, showing the preferred method and means of attaching the curtain to said roller, the construction of end plate illustrated in said Fig. 6 being shown in Figs. 7 and 8, which are end elevations thereof.

In carrying out my invention I form upon the ferrule *b* or end plate, *b'*, a hook or catch, *c*, which is adapted to hold a cord which passes through a loop, *c'*, on the curtain; or a metallic strip, *d*, as shown in Fig. 2, may be used in-

stead of the cord, to secure additional stiffness. The cord may be attached to the hooks by forming loops on each end thereof, as indicated in Fig. 1, or the ends may be knotted, as in Fig. 6, and thereby be prevented from being detached from the hooks.

When a ferrule is employed, the hooks or catches may be and are preferably formed by "striking up" the metal of the ferrule; but when end plates are used the hooks are cast integrally therewith, as shown in Figs. 3, 4, 5, *et seq.*

By reference to Figs. 6, 7, and 8 it will be noticed that a recess, *b²*, is formed on the outside of the plates at and around the bottom of the slot *c²*, into which the knotted end of the cord fits, thereby more certainly preventing the detaching of the cord. The slots *c²* are preferably made in a projection, *c*, as indicated in Figs. 6, 7, and 8, on the periphery of the plates, and the slots cut slantwise or inclined in said projections, so that the cord may be held therein more securely.

It will be noticed that the bottom of the slots and the recesses *b²* are about in a line with the outside of the roller, so that the cord, when caught in the hook, is drawn straight.

It is evident that the slots may be cut in the periphery of the plates without forming the projections, as above described, and the invention still be operative; but I prefer the slotted projections.

As indicated in Fig. 6, the ferrule *b*, when used with the preferred form, covers the end of the roller, and is cut or recessed to permit the projection to protrude through the ferrule.

I am aware that a grooved roller, with a stick or rod passed through the hem of the curtain and inserted in the groove in the roller, with the ends of the rod extending through holes in the end plates, has been devised; but in this case a shoulder is formed on the rod at each plate, so that in order to remove the rod the plates must be taken off.

In my construction the slots open out from the periphery or the projection thereon, and the curtain can be quickly adjusted to the roll simply by drawing the ends of the cord down in each slot, the knotted end preventing the escape of the cord.

The said hooks or catching devices may be also used upon a metallic roller, the hooks being struck up therefrom or soldered thereon.

It will be understood that the hooks are not limited in their use to the rollers shown in the drawings, but may be used on any form or kind of roller.

While a cord is mentioned particularly, yet any equivalent thereof may be used that will accomplish the same result, the intention being to avoid the use of tacks or other fastening devices that tear or injure the curtain and necessitate a great deal of labor in attaching the curtain to the roller.

Having thus described my invention, what I claim is—

1. A curtain-holding attachment consisting of metallic plates adapted to be secured to the ends of a roller and provided with projections c on the periphery thereof, having an inclined slot, c^2 , therein, and a recess, b^2 , for the purposes set forth.

2. In a shade-roller, in combination, a looped curtain, a roller, a cord extending through the loop in said curtain, and end plates having

hooks or catches open to the periphery and constructed and arranged to hold the ends of the cord extending through the loop, substantially as specified.

3. In a shade-roller, in combination, a looped curtain, a roller, a cord extending through the loop in said curtain, and end plates having projections c on the peripheries thereof, having inclined slots c^2 and recesses b^2 , substantially as and for the purposes set forth.

4. In a shade roller, in combination, a looped curtain, a roller, a cord extending through the loop in the curtain, end plates having projections c with inclined slots c^2 therein, and metallic bands or ferrules covering the ends of the roller and recessed to receive the projection c , substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of April, 1885.

JOHN GAMBLE.

Witnesses:

OLIVER DRAKE,
FREDK. F. CAMPBELL.