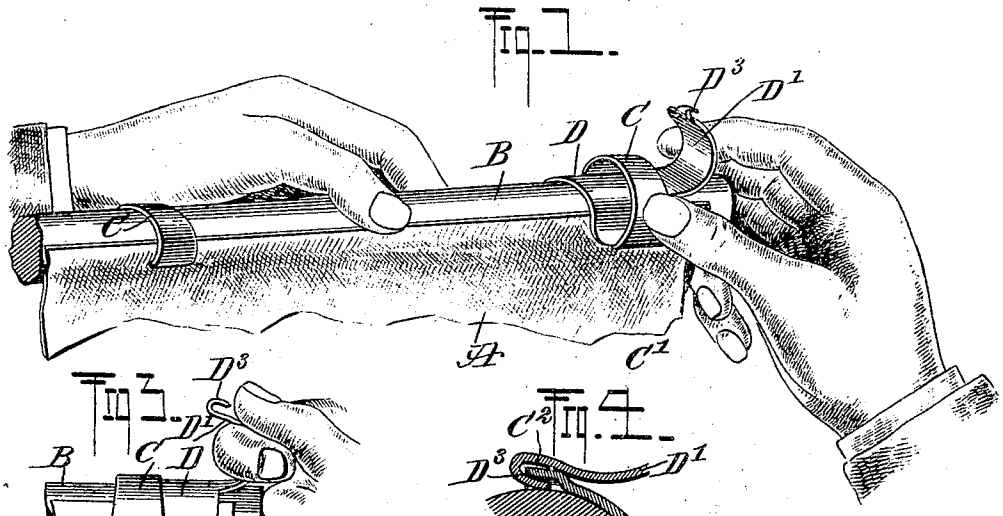
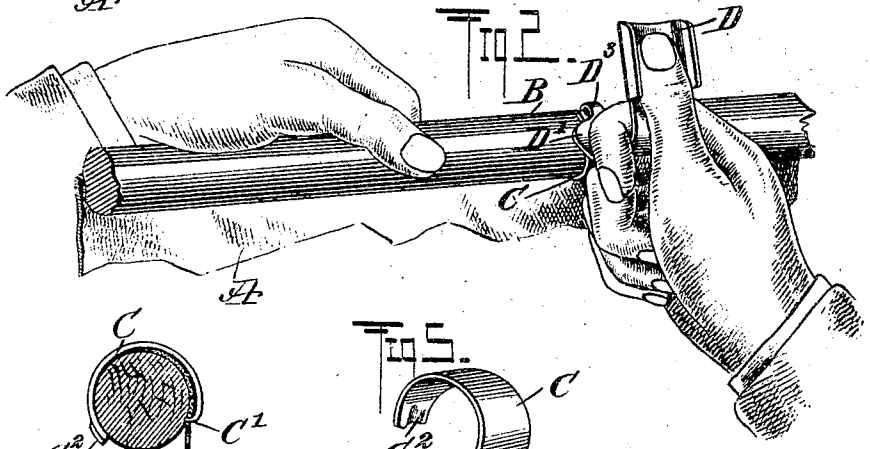
No. 808,414. PATENTED DEC. 26, 1905.

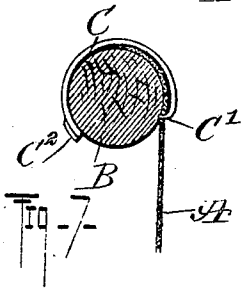
F. WEILERT.

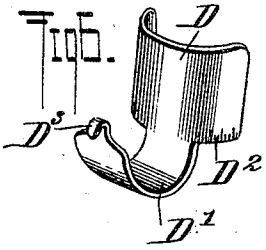
SHADE FASTENING.

APPLICATION FILED DEC. 31, 1904.









WITNESSES:

Geo. P. Kingsbury

Henry Wooster

INVENTOR

Fred Weilert

BY Munn & Co

ATTORNEYS

UNITED STATES PATENT OFFICE.

FRED WEILERT, OF NEW YORK, N. Y.

SHADE-FASTENING.

No. 808,414. Specification of Letters Patent. Patented Dec. 26, 1905.

Application filed December 31, 1904. Serial No. 239,124.

To all whom it may concern:

Be it known that I, FRED WEILERT, a citizen of the United States, and a resident of the city of New York, (Ridgewood,) borough of Queens, in the county of Queens and State of New York, have invented a new and Improved Shade-Fastening, of which the following is a full, clear, and exact description.

The invention relates to devices for fastening the shade-cloth to a shade-roller; and its object is to provide a new and improved shade-fastening and means for conveniently placing the same in position or removing the same from the shade-roller, the shade-fastening being simple and durable in construction, cheap to manufacture, easily placed in position, and arranged to securely attach the shade-cloth to the shade-roller.

The invention consists of novel features and parts and combinations of the same, as will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement, showing one of the fasteners in position and another fastener in position on the implement for guiding and removing the fastener. Fig. 2 is a perspective view of the implement as applied to a fastener for removing the same from the shade-roller and shade-cloth. Fig. 3 is a side elevation of the same, showing the operator's hand in position for removing the guiding implement from under the fastener. Fig. 4 is an enlarged cross-section of the improvement, showing the guiding and removing implement in position for removing the shade-fastener. Fig. 5 is a perspective view of the improved fastener. Fig. 6 is a perspective view of the guiding or removing implement, and Fig. 7 is a cross-section of the fastener in position on the shade-roller and shade-cloth.

The shade-cloth A is adapted to be fastened to the shade-roller B by the use of two or more clips C, made of a resilient material, such as spring-steel, bent into segmental shape for the inner surface of the clip to snugly fit onto the peripheral face of the roller B, the terminals of the said clip when applied to the roller extending a distance beyond a greater diameter thereof, so as to hold the clip by its own resiliency in position on the shade-roller. One terminal of the clip C is provided with inwardly-bent teeth C′, adapted to pass through the shade-cloth A and into the roller material, so as to prevent the shade-cloth from being pulled out from under the clip and to prevent the latter turning around on the shade-roller B.

In order to permit of conveniently placing the clip C in position on a shade-roller with a view to accurately fastening the shade-cloth A in place, an implement is provided, preferably made of metal and having a segmental body D, adapted to fit onto the peripheral face of the shade-roller B. On one side of the body D is provided a curved handle D′, adapted to be engaged by the fingers of the operator's hand to allow of conveniently placing the implement in position on the shade-roller and to allow of pulling it out from under the clip after the same is placed in position. In order to place the clip in position, the operator first places the fastening edge of the shade-cloth A in position on the roller B, then places the body D of the implement onto the roller, so that one end of the body extends a distance over the fastening edge of the shade-cloth corresponding to the distance the clip C is to overlie the shade-cloth. When this has been done, the clip C is pressed over the body D, so as to readily open and snap onto the body D and portions of the shade-roller, the toothed edge of the clip C abutting against the edge of that portion of the body D overlying the shade-cloth. When the clip C has been sprung in position, as described, the operator takes hold of the handle D′ and pulls the same in the direction of the length of the roller B (see Fig. 3) to pull the body D of the implement out from underneath the clip C. If desired or if necessary, the end of the clip C having the teeth C′ may be pressed or hammered in to drive the teeth home in the material of the shade-roller.

In order to gage the distance the several clips C are to overlie the cloth A, the overlying side of the body D of the implement is provided with a graduation D^2, so as to enable the operator to indicate the distance the body D overlies the shade-cloth, and as each clip C is abutted with its teeth on the end of the body D having the graduations it is evi-

dent that after the implement has been removed the clip C overlies the desired amount on the shade-cloth A.

By the arrangement described the implement D can be placed in a similar position for each clip, so that the several clips employed for fastening the shade-cloth A in position on the roller B overlie the shade-cloth the same distance.

In case it is desired to remove a clip C from the shade-roller the handle D′ of the implement is provided at its outer end with a hook D^3, adapted to pass under a bent portion C^2, formed on the terminal of the clip C opposite the end having the teeth C′. By the operator engaging the hook D^3 with the said bent portion C^2 and pulling on the implement, as indicated in Figs. 2 and 4, the clip can be conveniently pulled off the roller, so as to disengage the clip from the roller and the shade-cloth.

As indicated in the drawings, the clip C is preferably tapering, the widest portion being at the terminal having the teeth C′ and the narrowest portion being on the other terminal having the bent portion C^2. By this arrangement a considerable bearing-surface is provided for that portion of the cloth overlying the shade-cloth A, and at the same time sufficient resiliency is given to the clip to permit of conveniently pressing the same over the body D into position on the shade-roller.

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

1. A shade-fastening comprising a segmental clip of resilient material, tapered between the terminals thereof and provided at its wider terminal with inwardly-projecting teeth and at its narrower terminal with an outwardly-bent portion, as and for the purpose described.

2. The combination with a segmental shade-roller clip for fastening the shade-cloth to the shade-roller, of a guiding implement having a segmental body fitting the peripheral face of the shade-roller and adapted to overlie the fastening edge of the shade-cloth, the said body having a sidewise-extending handle.

3. The combination with a segmental shade-roller clip for fastening the shade-cloth to the shade-roller, of a guiding implement having a segmental body fitting the peripheral face of the shade-roller and adapted to overlie the fastening edge of the shade-cloth, the said body having a sidewise-extending handle curved upwardly and inwardly and terminating in a hook for engaging a bent portion of one of the terminals of the said clip.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRED WEILERT.

Witnesses:
JULIUS JOCHANN,
ROBERT FRIEDRICH.