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J. N. KAHN

2,275,907

SHADE ROLLER BRACKET ATTACHMENT

Filed June 25, 1940

Fig. 1.

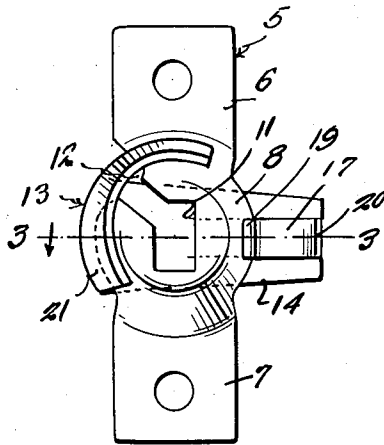


Fig. 2.

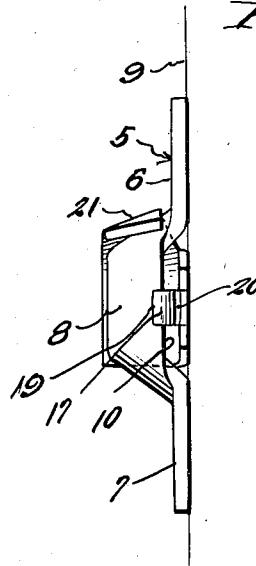
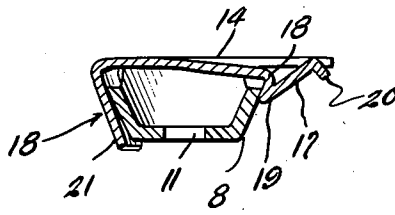


Fig. 3.

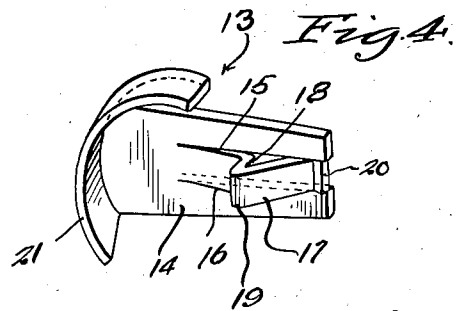


Fig. 4.

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SHADE ROLLER BRACKET ATTACHMENT

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4 Claims. (Cl. 248—267)

My invention relates to an attachment for an ordinary shade roller bracket to prevent unwanted shifting of the shade roller from engagement with the open slot in the bracket, and the primary object of the invention is to provide a simple and efficient arrangement of this character which is readily removable to enable removal of the shade roller from the bracket.

Other important objects and advantages of my invention will be apparent from a reading of the following description taken in connection with the appended drawing, wherein for purposes of illustration, a preferred embodiment of my invention is shown.

In the drawing:

Figure 1 is a front elevational view of a conventional shade roller bracket of the open slot type, showing the attachment of the invention mounted thereon.

Figure 2 is a side elevational view of Figure 1, looking from right to left.

Figure 3 is a horizontal sectional view taken through Figure 1 approximately on the line 3—3 and looking downwardly in the direction of the arrow.

Figure 4 is a front perspective view of the attachment.

Referring in detail to the drawing, the numeral 5 generally designates the conventional slotted roller shade bracket which involves the plates 6 and 7 which are commonly attached to the window frame within which the shade roller is mounted, the intermediate concavo-convex portion 8 between the portions 6 and 7 extending away from the window frame 9 in the manner illustrated in Figure 2 so as to provide a space 10 between this intermediate portion 8 and the frame 9. The portion 8 is provided with the shade roller element receiving slot 11 which opens through one side of the said portion as indicated by the numeral 12, thereby ordinarily permitting the said element of the roller to escape from the slot 11 when the roller is contacted by any object having a tendency to dislodge the same from its normal position.

The attachment which is generally designated 19 is devised to prevent the element of the roller shade from coming out of the slot 11 under the mentioned circumstances, and this attachment comprises an elongated tapered flat base plate portion 14 which has two longitudinal substantially parallel slots 15 and 16, respectively, cut inwardly from the small end thereof as illustrated in Figure 4, with the resulting middle finger 17 made longer than the other resultant

5 fingers, so as to provide for the bends 18 and 19 which define the catch portion of the attachment, and the laterally directed finger 20 which provides the releasing handle of the attachment. The larger end of the plate 14 is provided with a lateral extension in the form of an arcuate relatively narrow plate 21 which is curved and beveled to substantially conform to that portion of the exterior of the central part of the shade roller bracket, as illustrated in Figures 1 and 3, in a position across the open end 12 of the slot 11, thereby functioning as a stop and a guard for engagement by the mentioned element on the shade roller.

15 To install the attachment, the small end of the plate 14 is passed under the portion 8 of the bracket, that is, between this portion and the window frame or the like 9, and the attachment is pressed in a horizontal direction until the catch formed by the bends 18 and 19 snaps around the opposite side of the central portion 8 of the shade roller bracket. This completes the installation.

25 To remove the attachment when it is desired to remove the shade roller, it is only necessary to exert some pressure on the handle portion 20 to release the catch from detent engagement with the central portion of the shade roller bracket, when the attachment is free to be withdrawn in a direction opposite from that from which it was inserted. The attachment may be made of one piece if desired.

35 Although I have shown and described herein a preferred embodiment of my invention, it is to be definitely understood that I do not desire to limit the application of my invention thereto, except as may be required by the scope of the subjoined claims.

40 Having described the invention, what is claimed as new is:

45 1. A device of the character described comprising a bar, a lateral arm at one end of said bar, and a spring detent adjacent the opposite end of said bar, said detent comprising a longitudinal finger defined by laterally spaced longitudinal slots formed from the said opposite end of the bar, said finger having an intermediate portion deflected toward the same side of the bar as said lateral arm and providing an abutment opposed to said lateral arm.

50 2. A shade roller bracket comprising a substantially circular body having bevelled side walls, said body being formed with a transverse slot opening through one edge thereof, a removable slot guard comprising a bar engaged across the

wider end of said body, a lateral arm formed on said bar adjacent one end of said bar, said lateral arm being curved to substantially conform to the curvature of the sidewall of said body and extend across the open end of said slot, and a spring detent adjacent the opposite end of said bar, said spring detent being tensioned to engage the side wall of said body opposite said lateral arm for holding the guard in place.

3. A shade roller bracket comprising a substantially circular body having bevelled side walls, said body being formed with a transverse slot opening through one edge thereof, a removable slot guard comprising a bar engaged across the wider end of said body, a lateral arm formed on said bar adjacent one end of said bar, said lateral arm being curved to substantially conform to the curvature of the sidewall of said body and extend across the open end of said slot, and a spring detent adjacent the opposite end of said bar, said spring detent being tensioned to engage the side wall of said body opposite said lateral arm for holding the guard in place, said lateral arm being acutely angulated with respect to said bar so as to conformably engage the bevelled side wall of said body and thereby sub-

stantially completely close the open end of the slot.

4. A shade roller bracket comprising a substantially circular body having bevelled side walls, said body being formed with a transverse slot opening through one edge of said body, a removable slot guard comprising a bar engaged across the wider end of said body, a lateral arm formed on said bar adjacent one end of said bar, said lateral arm being curved to substantially conform to the curvature of the sidewall of said body and extend across the open end of said slot, and a spring detent adjacent the opposite end of said bar, said spring detent being tensioned to engage the side wall of said body opposite said lateral arm for holding the guard in place, said spring detent comprising a spring tongue defined by longitudinal slits formed in said bar, said tongue having a part deflected to the same side of said bar as said lateral arm, said part being deflected at an acute angle to conform to the bevel of the sidewall on said body whereby said plate is held engaged with the wider end of said body.

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