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ANCHORING MEANS FOR WINDOW SHADES AND THE LIKE

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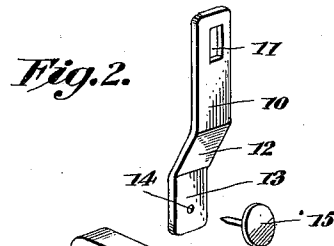
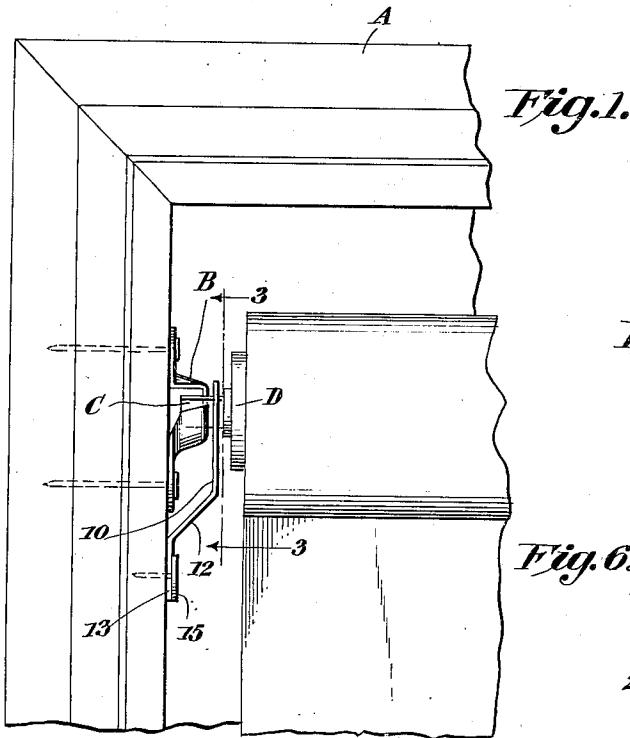
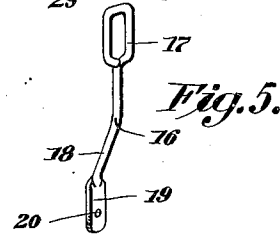
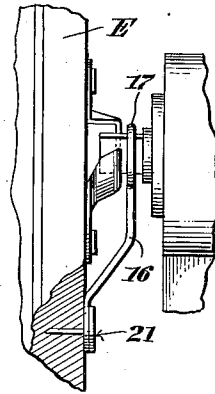
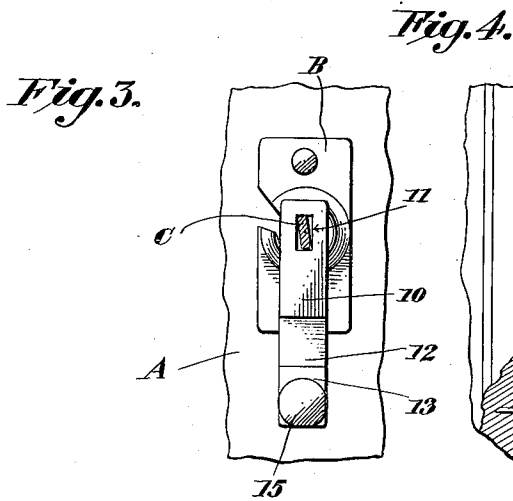
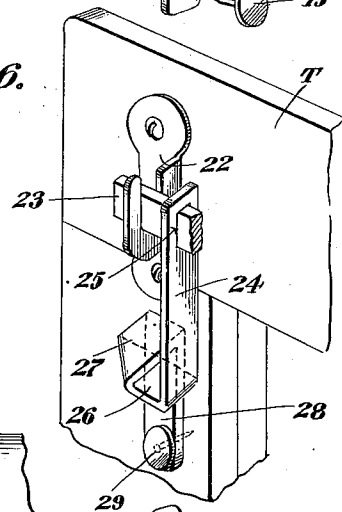


Fig. 6.



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ANCHORING MEANS FOR WINDOW SHADES
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3 Claims. (Cl. 248—267)

This invention relates to anchoring means for window shades and the like, and has for one of its objects the production of a simple and efficient means for use in connection with the conventional window shade bracket whereby the winding stem of the curtain shade roller may be firmly anchored against accidental displacement from the conventional shade roller bracket.

A further object of this invention is the production of a simple and efficient anchoring strip which may be slipped over the winding stem of the conventional shade roller and may then be fastened to the window frame after the winding stem has been inserted in the supporting bracket to firmly hold the winding stem against becoming accidentally dislodged from the bracket.

Other objects and advantages of the present invention will appear throughout the following specification and claims.

In the drawing:—

Figure 1 is a front elevation of a portion of a window frame showing the conventional shade roller supporting bracket of the type to receive the winding stem and illustrating my improved anchoring means in position;

Figure 2 is a perspective view of the anchoring means or strip and securing tack to be used therewith;

Figure 3 is a vertical section taken on line 3—3 of Figure 1;

Figure 4 is a front elevation showing a portion of a window frame and conventional shade roller bracket and shade roller and illustrating in conjunction therewith a modified form of my anchoring means wherein the anchoring means is formed of a wire strand;

Figure 5 is a perspective view of the anchoring means shown in Figure 4;

Figure 6 is a perspective view illustrating a modified form of anchoring means especially designed for use in connection with shade roller brackets of the conventional type which are secured to the front face of a window frame.

By referring to the drawing, it will be seen that A designates the conventional window frame or window trim of the type wherein the shade roller supporting brackets are mounted between the window stops. In Figure 1 there is illustrated a shade roller bracket B of the conventional type which is adapted to receive the winding stem C of the shade roller D. It is not desired to limit this invention to any particular type of bracket used for this purpose, since any type of slotted bracket for receiving the conventional winding stem of the shade roller may be employed.

My invention relates particularly to an anchoring means which directly engages the winding stem of a shade roller and is secured to the window trim or frame in a manner to prevent the winding stem C from jumping out of engagement with the bracket B. In carrying out the objects of my invention I preferably employ an anchoring strip 10 formed of a flat strip of metal having an oblong slot 11 at its upper end through which slot 11 is adapted to extend the winding stem C of the roller D. The strip 10 is preferably provided with an angularly bent shank 12 and an offset anchoring tongue 13 at its lower end, the upper end of the strip 10 and the anchoring tongue 13 extending in substantially the same plane but being in offset relation to each other and connected to the angular shank 12. The tongue 13 is provided with an aperture 14 through which is adapted to extend the headed thumb tack 15 for anchoring the tongue 13 in firm engagement with one of the stops of the window frame, as shown in Figure 1.

It should be understood that the winding stem C of the shade roller D is extended through the aperture 11 of the anchoring strip 10 and the winding stem C is then placed within the bracket B. The headed thumb tack 15 is then passed through the aperture 14 and into the window frame, as shown in Figure 1 thereby anchoring the anchoring strip 10 in position and preventing the winding stem C of the roller D from accidentally jumping out of engagement with the supporting bracket.

It is common knowledge that when a shade is drawn down and it is necessary to again raise the shade, the shade is slightly drawn downwardly and allowed to automatically wind itself up upon its supporting roller. Very often the shade spring is wound too tightly with the result that the shade will slip from the operator's hand and will snap upwardly, thereby winding the shade around the roller with such force as to dislodge the winding stem from its supporting bracket, the shade consequently dropping out of position. It should be understood that the present anchoring means is especially adapted to retain the shade roller in position and prevent the roller from being accidentally dislodged while hanging curtains, cleaning and raising the windows, and the like.

A very simple and efficient anchoring means has been produced which may be easily applied to the conventional type of shade roller and may be used in conjunction with a conventional type of shade roller supporting bracket, the anchor-

ing means being merely attached by slipping the same over the winding stem of the shade roller and then anchoring the anchoring means in position upon the window or other supporting frame it being noted that the anchoring means is a separate and distinct element from the roller supporting bracket and shade roller.

In Figures 4 and 5 a modified form of the invention is illustrated wherein the anchoring means is used in the same manner as that described with respect to Figure 1, with the exception that the anchoring means consists of a wire structure 16 having a loop 17 formed at its upper end, a single extension 18 terminating in a flattened anchoring tongue 19 which is apertured as at 20 to permit a thumb tack 21 to be inserted for anchoring the anchoring means 16 in position upon the window frame or trim E.

It should be understood that the anchoring means may be varied in its construction without departing from the spirit of the invention and Figures 4 and 5 as will be noted, illustrate one typical modified form.

In Figure 6 there is shown a further modified form of the invention illustrating the type of anchoring means which may be employed for use in connection with the conventional shade roller supporting bracket which is commonly used upon the outer face of a window frame or window trim, as indicated by the letter T. In Figure 6, the conventional shade roller supporting bracket is indicated by the numeral 22 and is adapted to receive the winding stem 23 of the conventional shade roller. This stem is shown broken for the purpose of eliminating the necessity of showing the complete roller. An anchoring strip 24 is used in conjunction with the bracket 22 and is provided with a rectangular slot 25 through which the winding stem 23 extends. The anchoring means 24 intermediate its ends is bent laterally, as at 26, and is folded over to provide an overlapping and right-angularly extending portion 27 which in turn is bent downwardly to provide an anchoring or securing tongue 28 through which extends a securing thumb tack 29 similar to the tack 15 previously described.

The type of structure illustrated in Figure 6 discloses an adaptation of the invention to that type of window shade roller supporting bracket

which is carried by the front or outer face of the window trim.

It should be understood that certain detail changes in construction may be employed without departing from the spirit of the invention, so long as such changes fall within the scope of the appended claims.

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

1. An anchoring device comprising an elongated body formed with a rectangular opening adjacent its upper end for fitting over the winding stem of the roller of a window shade, the intermediate portion of said body being bent to extend downwardly at a rearward incline away from the roller and below the end of the bracket and the lower end portion of the body providing a tongue depending from the intermediate portion and arranged in offset relation to the upper portion for engaging a portion of a window frame below the bracket and formed with a perforation, and a fastener passed through the perforation for securing said tongue flat against the window frame below the bracket out of contact therewith.

2. An anchoring device for holding the winding stem of a shade roller against accidental displacement from the stem-receiving socket of a roller supporting bracket, said device comprising an elongated strip having an opening in its upper portion adapted to receive the winding stem of the roller, the lower portion of said strip being adapted to be secured against a window frame below the bracket and being disposed in offset relation to the upper portion of the strip whereby the upper portion will be spaced forwardly from the bracket in overlying relation thereto when the lower portion is secured against a window frame.

3. An anchoring device for a shade roller comprising an elongated body formed from a strand of wire having one end portion bent to form a loop to receive the winding stem of a roller and a shank depending from the loop, said shank being bent rearwardly intermediate its length and having its lower portion flattened and bent to form a foot depending from the intermediate portion in rearward offset relation to the upper portion and adapted to be secured against a window frame below a roller supporting bracket.

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