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1,595,617

R. RABY

SHADE HANGER

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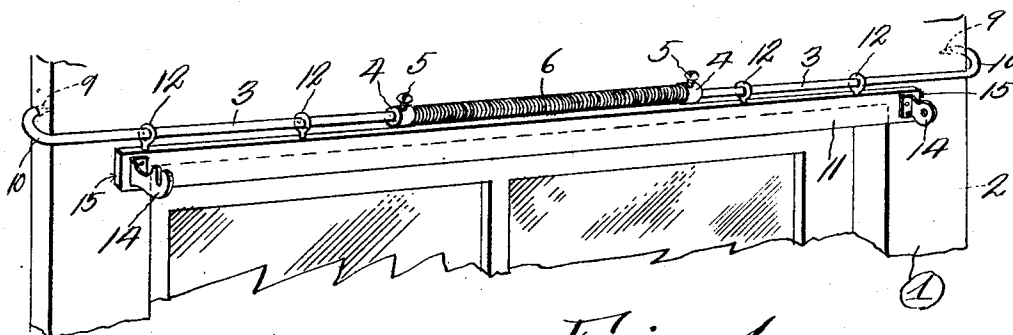


Fig. 1.

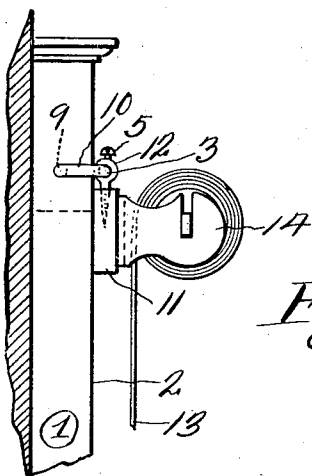


Fig. 2.

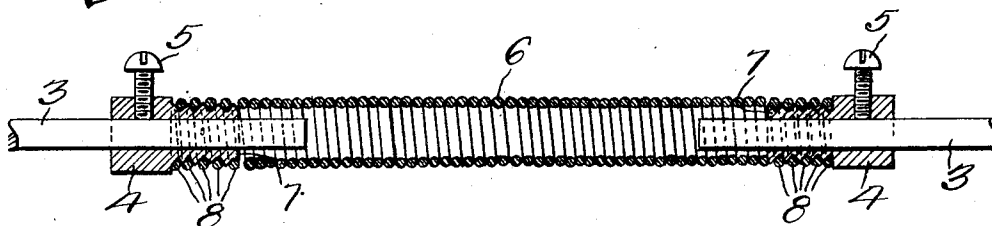


Fig. 3.

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SHADE HANGER.

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The invention relates to shade hangers, and has for its object to provide a device of this character for supporting a shade, and which may be easily and quickly placed in position on a window frame without marring the facing of the window frame.

A further object is to provide a window shade supporting device comprising axially aligned rods having their outer ends provided with hooks adapted to be imbedded in opposite sides of a window frame and a contractible spring connecting the inner ends of said rods, said rods being held in axial relation by means of spaced eyes on a shade receiving strip suspended beneath the rods, and adapted to engage the facing of a window frame.

A further object is to provide sleeves adjustably mounted on the inner ends of the rods, which sleeves are threaded into the outer convolutions of the contractible spring, thereby securing the ends of the spring to the rods. The adjustable sleeves form means whereby the tension of the contractible spring may be varied, and the spring forms means whereby the device may be attached to window frames of different widths.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing:—

Figure 1 is a perspective view of a portion of a conventional form of window frame, showing the shade supporting device applied thereto.

Figure 2 is a side elevation of a portion of a window frame and the shade supporting device.

Figure 3 is a longitudinal sectional view through the contractible spring before it has been stretched and the adjustable sleeves.

Referring to the drawing, the numeral 1 designates a conventional form of window frame and 2 the vertical side facings thereof. The shade supporting device comprises axially aligned round rods 3, the inner adjacent ends of which have adjustably mounted thereon sleeves 4, which sleeves may be adjusted longitudinally on the rods 3 to various positions and held in adjusted positions

by means of set screws 5 for varying the tension of the coiled spring 6. Sleeves 4 are provided with reduced portions 7, which are threaded, and onto which portions the end convolutions 8 are threaded for connecting the coiled spring to the sleeves; therefore it will be seen that when the sleeves 4 are moved away from each other the coiled spring 6 will be stretched, and the contractible force thereof will hold the sharpened ends 9 of the hooks 10 carried by the outer ends of the rods 3 in imbedded engagement with the outer sides of the vertical facings 2 of the window frame. By providing the coiled spring 6, it is obvious the device will accommodate itself to window frames of different widths, and at the same time the adjusting means allows the contractible force imparted on the hooks 10 to be varied.

Suspended beneath the rods 3 is a horizontally disposed member 11, the upper side of which is provided with spaced eyes 12 through which the rods 3 pass, therefore it will be seen that with the rigid member 11 and the spaced eyes 12, the rods 3 will be held in axial alinement at all times, and the member 11 will engage the outer sides of the facing members 2, whereby, when a pull is imparted on the shade 13, which is supported in conventional forms of shade brackets 14 carried by the rigid member 11, the shade will be rigidly held, at all times, especially during the unreeling operation, at which time a downward pull is imparted on the shade. When the shade supporting device, as a whole, is not in use, the contractible spring 6 will pull inwardly on the rod 3 and the prongs 5 may be placed in engagement with the ends 15 of the rigid member, at which time the hooks 10 are in the same plane as the rigid member 11 consequently the device may be easily packed in quantities for shipping or storing purposes, and at which time the device is preferably shipped with the shade brackets 14 off the strip 11, thereby conserving space in shipping. It will be noted that the brackets 14 may be properly positioned before the device is placed on a window, therefore it will not be necessary to stand on a ladder as is now the common difficulty with shade brackets. It will also be seen that the brackets can be accurately positioned, and the device accurately attached to the window frame with the shade in position.

From the above it will be seen that a win-

dow shade support is provided, which is simple in construction, compact, positive in its operation and one wherein the marring of the facing of the window frame is obviated.

5 The invention having been set forth what is claimed as new and useful is:—

10 1. A shade support comprising a shade receiving rigid member, axially alined rods slidably mounted in spaced bearings carried by the rigid member, a contractible coiled spring connecting the adjacent ends of the rods and means carried by the outer ends of the rods and adapted to engage opposite sides of a window frame.

15 2. A shade supporting device comprising a rigid shade receiving member, spaced eyes carried by the upper side of said shade re-

ceiving member, axially disposed rods slidably mounted in said eyes, sleeves adjustably mounted on the inner ends of said rods, and 20 a coiled spring connecting said sleeves.

3. The combination with a shade receiving rigid member, of means for attaching said rigid member to a window frame, said means comprising axially alined rods carried by the rigid member, means for guiding said rods in parallel relation to the rigid member, sleeves adjustably mounted on the rods, a contractible spring into which the ends of the rods extend, the ends of 30 said spring being anchored to the sleeves.

In testimony whereof I hereunto affix my signature, Nov. 4, 1924.

RICHARD RABY.