May 30, 1933. R. CHAMBERS 1,911,749

SHADE PROTECTOR

Filed Oct. 29, 1931

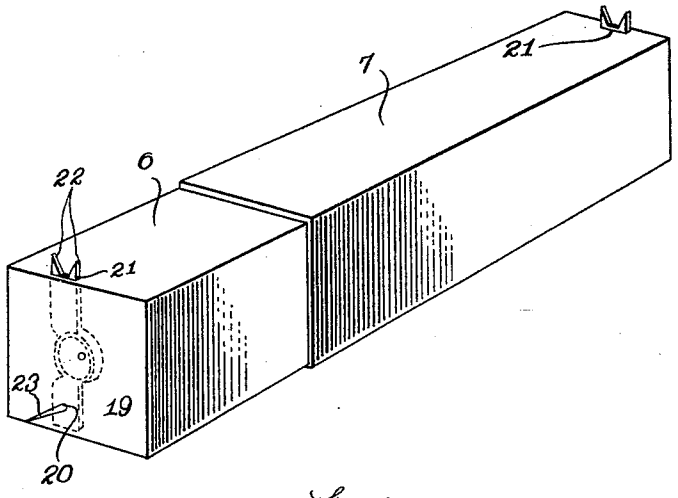


Fig. 1

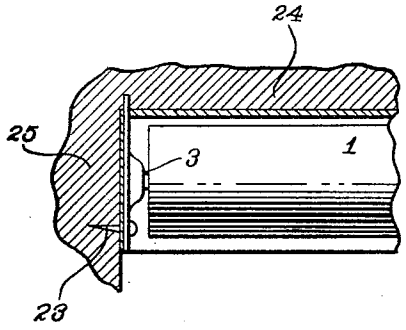


Fig. 2

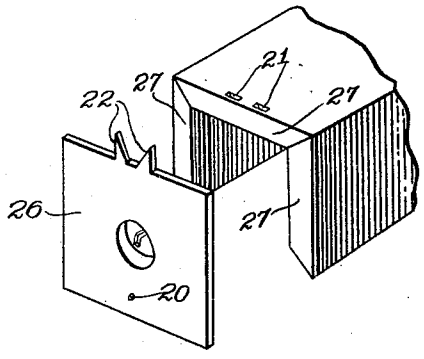


Fig. 3

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UNITED STATES PATENT OFFICE

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SHADE PROTECTOR

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This invention is a protector to be used in conjunction with window shades and the function of which is to keep that portion of the shade adjacent the roller in clean and unmarked condition. It has long been recognized that window shades are, in the majority of cases, maintained for the greater portion of the time at some particular degree of regulation, so that for such time some particular part of the shade extends over the top of the roller in exposed position. This portion of the shade accumulates dust, dirt and the like, and after a relatively short time becomes stained or discolored to such extent that if the shade is drawn down further a very unsightly condition exists. The protector of the present invention is so constructed as to conceal and house the roller and that portion of the shade contained thereon in such manner as to preclude the stain of dirt or dust upon the shade as stated.

Shade protectors have heretofore been suggested in a wide variety of forms, but they have invariably been inconvenient of attachment and, in many cases, require a pronounced departure from conventional shade bracket construction and necessitate the employment of considerable skill for installation.

The object of the present invention is to provide a greatly simplified form of protector with novel and efficient means of installation adapted to permit such installation to be carried out by the most inexperienced person through the use of tools of the most elementary character. Fundamentally the improvement consists in mounting the protective casing upon the shade brackets.

In the preferred form of the invention, the casing may be mounted upon a conventional bracket and without requiring the removal of the bracket from the window frame although in some of the modified forms of this invention, brackets may be supplied with the casing to form a part of the installation. In every case, however, the installation operation is extremely simple and requires the exercise of no skill by the person doing the work.

Features of the invention, other than those specified, will be apparent from the hereinafter detail description and claims, when read in conjunction with the accompanying drawing.

Figure 1 is a perspective view of the present invention.

Figure 2 is a fragmental vertical section showing the manner of installation of the structure of Figure 1.

Figure 3 is a fragmental perspective showing a modified form of construction.

In the drawing, 1 designates the shade which is mounted upon a conventional shade roller, the same being provided at its opposite ends with trunnions 3 adapted to cooperate with shade brackets which are attached to the window frame.

The protective casing shown in Figures 1 and 2 is made of two sections 6 and 7, the former of which telescopes into the latter. The sections are closed at their tops and sides and open at their bottoms. They are also provided with end walls 19 which are imperforate save for one small hole 20 in each end wall. The upper walls are, however, provided with slots 21. The brackets are very similar to the conventional brackets except that the upper end of the bracket is extended to provide prongs 22. To attach the device, the casing is brought into position with the top of the casing resting against the under side of the top of the window frame 24. The brackets are thereupon driven upwardly through the slots 21 to impale the prongs 22 in the wood of the window frame and the nails 23 are then driven into the side 25 of the window frame through the perforations 20 to firmly secure the whole structure in position. The window shade is then put into position in the usual way and is ready to function.

The structure of Figure 3 is a variation of the structure of Figures 1 and 2 and works in substantially the same way except that in Fig. 3 the brackets 26 have the additional function of serving as the ends of the casing. To this end, they are made sufficiently large to form end walls of the casing and the side and top walls of the casing are merely provided with inwardly extending flanges 27.

To attach this construction, the prongs 22 are passed through the slots 21 and the nail is then driven through the perforation 20 to mount the bracket in position and also bind the flanges of the casing to the window frame.

It will be noted that in the structures, which I have described, the protective casing is supported firmly in position on the bracket or bracket nails and that the installation may be easily and expeditiously accomplished without the requirement of any appreciable amount of skill in the handling of tools. However, when the structure is in position, it forms an enclosure or canopy for the shade and the roller therein and thoroughly protects the same. The top of the casing rests against the under side of the top of the frame and does not leave an unsightly space between these parts. The casing is illustrated as of rectangular cross section, but this shape may be varied without departing from the invention.

The device is economical, thoroughly efficient and when made of proper materials will last indefinitely.

The foregoing detailed description sets forth the invention in its preferred, practical form, and the invention is to be understood as fully commensurate with the appended claims.

Having thus fully described the invention, what I claim as new and desire to secure by Letters Patent is:

1. In an assembly of the character described, a protective casing adapted to extend transversely of a window frame and provided in its top with slots adjacent its opposite ends, brackets each having prongs adapted to extend through said slots and to be impaled in the upper portion of the window frame, said brackets also each having a perforation through which a nail may be passed to extend into the side stiles of the window for the purpose of supporting the casing on the window frame and to provide supports for a shade roller.

2. In an assembly of the character described, a protective casing adapted to extend transversely of a window frame and provided at one end with inturned flanges, an end plate provided thereon with means for supporting the trunnion of a shade roller, and means for securing said end plate to a window frame with said flanges clamped between the end plate and the side stile of the window frame.

In testimony whereof, I have signed the foregoing specification.

RAYMOND CHAMBERS.