Dec. 29, 1931. J. M. GRIBBENS 1,838,759

WINDOW SHADE PROTECTOR

Filed Jan. 7, 1930

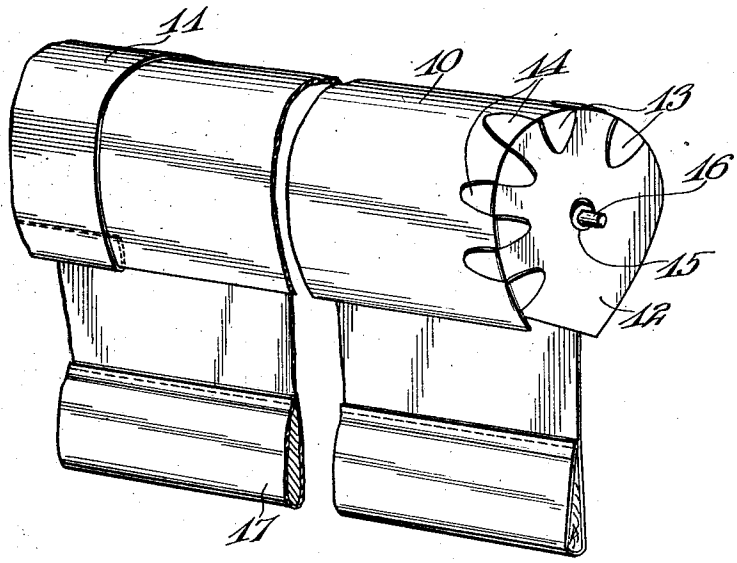


Fig. 1.

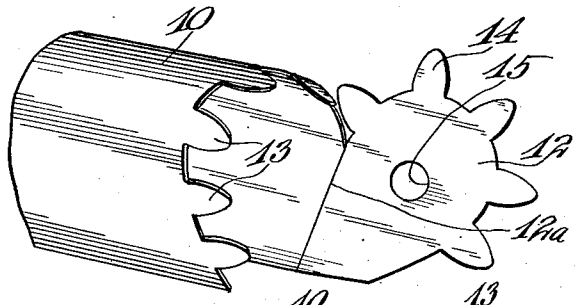


Fig. 2.

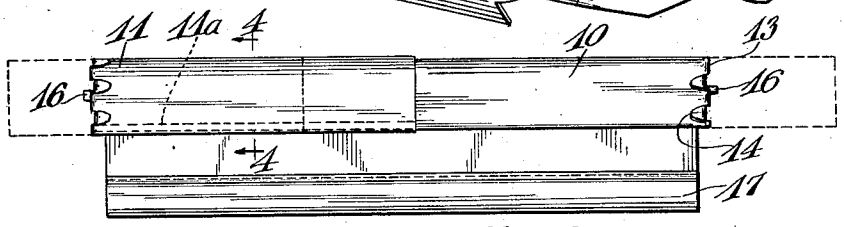


Fig. 3.

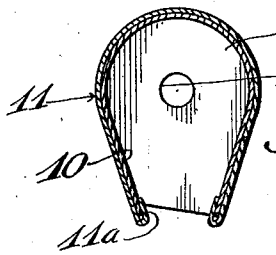


Fig. 4.

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UNITED STATES PATENT OFFICE

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WINDOW SHADE PROTECTOR

Application filed January 7, 1930. Serial No. 419,115.

My invention relates to protectors for window shades in the home, and more particularly to such protectors as are designed to encase the shade at the site of the roller that dust may not settle upon the shade, and my main object is to provide a protector of this kind which is made of but two pieces of light sheet metal.

A further object of the invention is to design the novel protector for telescopical extension and with a simple retaining means incidental to this property.

A still further object of the invention is to fashion the ends of the protector in a peculiar manner whereby to dispense with the use of separate ends or extra parts.

A final but nevertheless important object of the invention is to construct the novel protector of inexpensive material, whereby to render it cheap to manufacture.

With the above objects in view and any others that may suggest themselves from the specification and claims to follow, a better understanding of the invention may be had by reference to the accompanying drawings, in which—

Figure 1 is a fragmental perspective view of the novel protector at one end showing the application of the window shade thereto;

Fig. 2 is a perspective view showing one end of the protector developed;

Fig. 3 is an elevation of the protector showing its extensible feature and the position of the window shade; and

Fig. 4 is an enlarged cross section on the line 4—4 of Figure 3.

Referring specifically to the drawings, the novel protector consists essentially of two channeled sheet metal lengths 10 and 11, which are of a dimension to snugly telescope in each other. The section 11 is made with an inturned flange 11*a* which receives the rim of the section 10 and retains the sections from lateral separation, permitting however the longitudinal sliding thereof as indicated by the terminal dotted lines in Figure 3 to fit shades of any customary length.

The ends of the channel assembly are each extended with a wing 12 adjacent to one edge of the channel, the wing having a scoring line 12*a* whereby to fold upon the open end of the channel. The side walls of the channel are flat, to permit the neat and easy folding of the wing. The contour of the wing is round to meet the rounded form of the channel, and the latter is extended with spaced tongues 13 which are adapted to be bent over upon the channel as shown to maintain the latter in proper relation to the wing, the two sets of tongues constituting the wing a firm and rigid closure for the channel.

The ends of the protector are perforated with apertures 15 sufficiently large to permit the passage of shade spindles 16 when the shade 17 has been encased with its rolled portion within the protector as indicated. It is a comparatively easy matter to encase the shade, it only being necessary to separate the channels by an outward movement, mount them upon the rolled portion of the shade from the respective ends whereby to engage in telescopic relation, and to close the channels endwise upon the shade until the spindles 16 project through the apertures 15, sufficient clearance being left between the ends of the shade roller and the ends of the protector to permit the free operation of the roller and the shade, yet allow the spindles to project sufficiently for easy mounting in the shade supporting brackets.

It will be seen that the novel protector constitutes a simple yet firm housing for the top of the shade. It is constructed of sheet metal and with the simple retainer 11*a* on each side to assure the proper position and operation of the extensible sections. The ends of the protector are produced by the use of the same sheet of material with a peculiar joining expedient which dispenses with the need of separate ends and means to secure or retain them. Thus, the protector is made of only two pieces and is so light and simple that any unskilled person may purchase it cheaply, apply it with ease and maintain it in use for long periods.

I claim:

1. A window shade protector comprising a tubular casing, and tabs extended from the ends of the latter, said tabs being foldable

upon the ends of the casing to form end-closures therefor, and the material of the casing being scored along the tab folding line.

2. A window shade protector comprising a tubular casing having a longitudinal split, and tabs extended from the ends of the casing adjacent to an edge bordering the split, said tabs being foldable upon the ends of the casing to form end-closures therefor, and the material of the casing being scored along the tab folding line.

3. A window shade protector comprising an elongated casing of U cross-section, the sides of the casing being substantially flat, and tabs terminally extended from the sides, said tabs being foldable upon the ends of the casing to form end-closures therefor.

4. A window shade protector comprising a tubular casing, plates forming end-closures for the latter, and tongues terminally extended from the casing and foldable upon the end plates to retain the latter to the casing.

5. A window shade protector comprising a tubular casing, plates forming end-closures for the latter, and tongues outwardly extended from the end plates and foldable upon the casing to aline the end plates with the latter.

6. The structure of claim 4, and tongues outwardly extended from the end plates and foldable upon the casing to aline the end plates with the latter.

7. A window shade protector comprising a tubular casing having a longitudinal split, one of the walls adjacent the latter being flat, and tabs extended endwise from and substantially the full height of said wall, the tabs being foldable upon the ends of the casing and enlarged to serve as end-closures for the same.

In testimony whereof I affix my signature.

JESSIE M. GRIBBENS.