Nov. 27, 1928. 1,693,199

R. FAIR

SHADE HOLDER FOR SHIPPING BOXES

Filed April 12, 1927

Fig. 1.

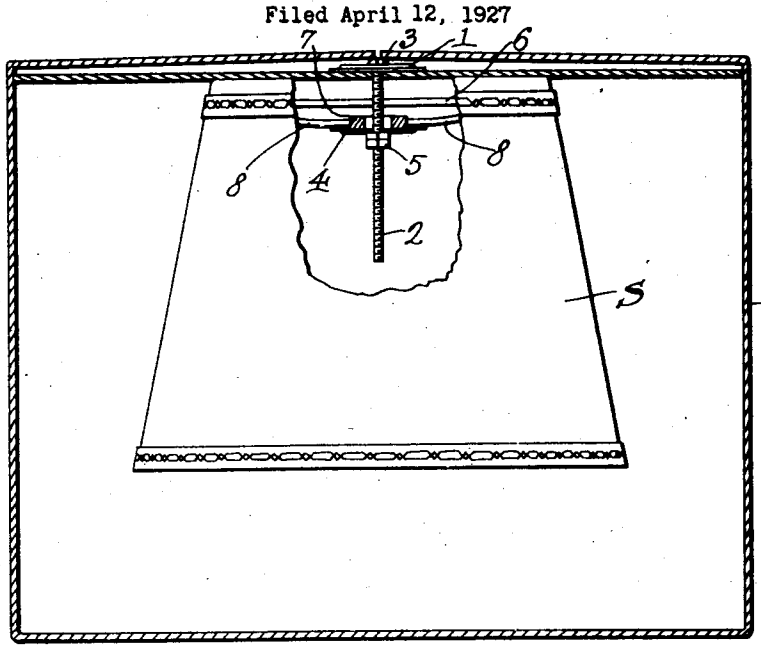


Fig. 2.

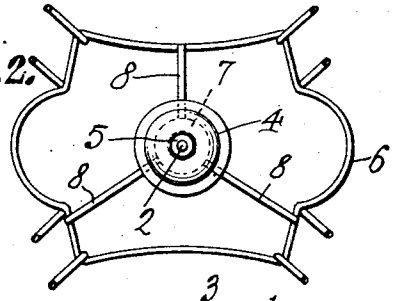


Fig. 3.

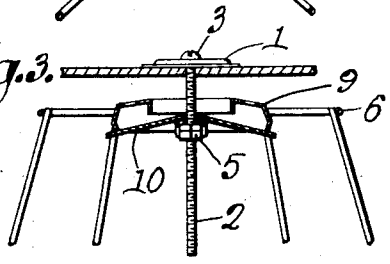


Fig. 4.

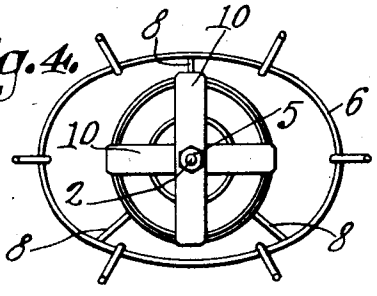


Fig. 5.

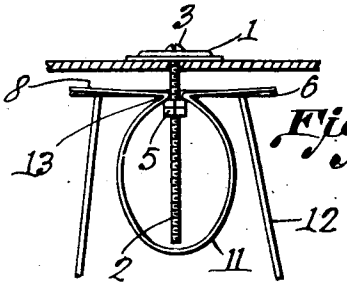
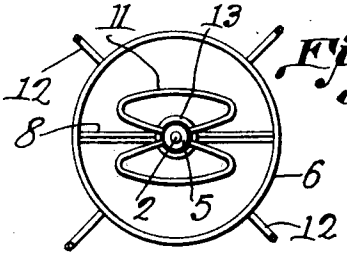


Fig. 6.



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UNITED STATES PATENT OFFICE.

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SHADE HOLDER FOR SHIPPING BOXES.

Application filed April 12, 1927. Serial No. 183,130.

This invention relates to a holder or attaching device whereby lamp shades can be firmly held within shipping boxes so as not to shift while in transit and become distorted or otherwise marred. It is a fact well know to manufacturers of lamp shades, partucularly of the type provided with wire framework, that, by reason of the numerous shapes and sizes employed, it becomes extremely difficult to so pack these shades in boxes or cartons without injuring them in packing or causing them to be injured while in transit.

It is an object of the present invention to provide simple, durable and efficient means which can be applied readily to a packing carton and which constitutes means for holding the shade firmly in position without requiring the use of supplemental filling or packing means which, by reason of its weight, tends to distort the shades and also adds to the weight of the package.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings the preferred forms of the invention have been shown.

In said drawings,

Figure 1 is a section through a carton showing a lamp shade secured therein, a part of the shade and its holding means being shown in section.

Figure 2 is a bottom plan view of the holding means, shown in Figure 1, a portion of the frame of the lamp shade being shown engaged thereby.

Figure 3 is a section showing a modified form of holder in engagement with a frame.

Figure 4 is a bottom plan view thereof.

Figure 5 is a section through the frame of a lamp shade showing another form of holder.

Figure 6 is a bottom plan view thereof.

Referring to the figures by characters of reference 1 designates an outer disk preferably formed of tin through the center of which is extended an elongated screw 2, the head of this screw engaging the disk as shown at 3. Another metal disk 4 is mounted on the screw and is adapted to be retained thereon by nuts 5.

A shipping box or carton to be used for holding a lamp shade has been indicated at B while a lamp shade has been shown at S. Lamp shades formed of silk, parchment or the like, are generally mounted on frames of wire which not only serve to hold the lamp shade in proper shape but also provide means for connecting the shade to its supporting structure. These frames are of different shapes and sizes and some of them are constructed differently at the top from others so that different styles of supports can be connected thereto. In Figures 1 and 2 the frame 6 has been shown provided with a central support engaging ring 7 connected to the frame by radial arms 8. Where a frame of this type is employed the screw 2 is extended through the ring 7, the disk is then placed on the screw and against the bottom of the ring, and the nuts 5 are tightened. Accordingly the screw, which is extended through one of the walls of the shipping box or carton with the disk 1 on the outer face of said wall, will act to hold the end of the shade S firmly against said wall as shown in Figure 1.

Other forms of shade frames are provided with sheet metal collars 9 at the centers thereof. These collars are usually formed with downturned flanges as shown. Where a structure of this type is to fastened within the shipping box B, crossed strips 10 are substituted for the disk 4. These strips are placed on the screw 2 and against the flanged collar 9 after which the strips are tightened against the collar and the shade is held firmly against the box by tightening the nuts.

Still another form of frame has been illustrated in Figures 5 and 6 wherein lamp gripping loops 11 are formed integral with the frame 12 and a ring 13 is provided between the upper ends of the loops. Where a device of this construction is to be fastened within a box or the like it is not necessary to use a disk 4 or the strip 10. Instead the nuts 5 will be sufficiently large to engage the ring 13 between the upper ends of the loops 11 and thus hold the shade firmly against the top of the box or carton.

It is to be understood of course that various other modifications of lamp frames can be used in connection with the attaching de-

vice herein described. By employing this device the shades can be held firmly in place and it becomes unnecessary to employ packing around them to hold them in proper position.

It is to be understood that lamp shades can be nested one within the other and one of the holding devices herein described can be used for securing several of these nesting shades in place.

What is claimed is:

The combination with a shipping box for holding lamp shades, of means carried by the box for suspending nested lamp shades within the box, said means including a screw extending through and supported by one wall of the box, a shade engaging member adapted to be housed in the nested shades and mounted on the screw, and means on the screw for thrusting against said member to bind the nested shades against that wall of the box from which the screw is suspended, said member including crossed separable strips for engaging one of the shades.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

ROBERT FAIR.