Jan. 17, 1950 F. J. BURNS 2,494,858

CORD LOCK MOUNTING FOR VENETIAN BLINDS

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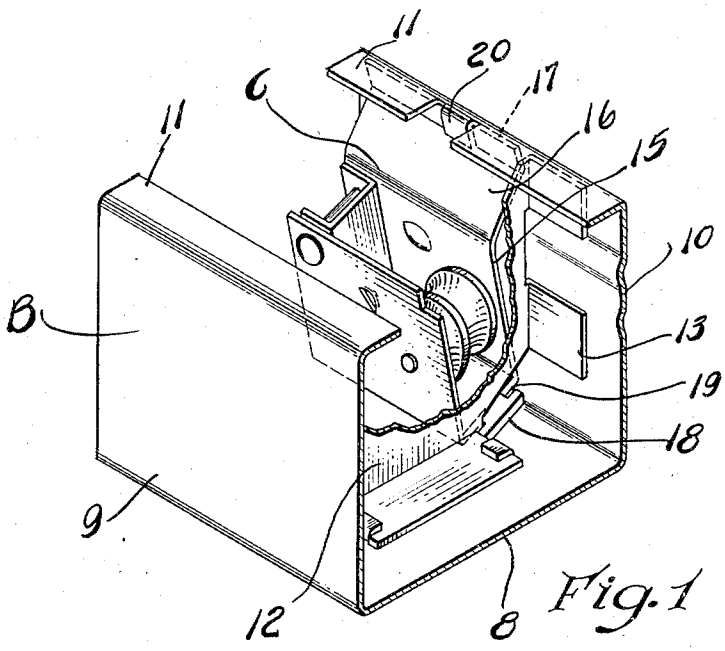

Fig. 1

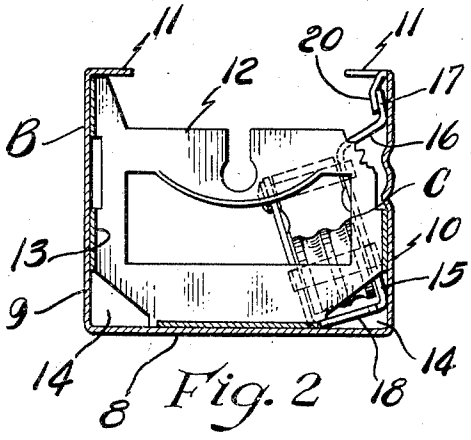

Fig. 2

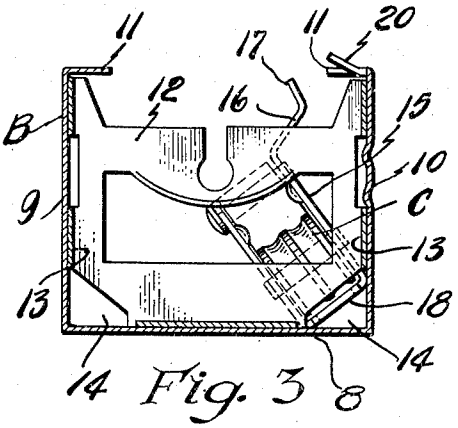

Fig. 3

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CORD LOCK MOUNTING FOR VENETIAN BLINDS

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4 Claims. (Cl. 160—173)

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This invention relates to a cord lock mounting for Venetian blinds and the like.

One of the salient objects of the invention is to design a cord lock unit which can be easily and quickly mounted in the head box of a Venetian blind without the use of bolts, screws or other similar securing means.

Another object is to provide a cord lock unit formed of stampings, that can be mounted in a head box by unskilled labor without the use of tools other than a conventional plier.

A further object is to provide a cord lock and mounting in which the means for mounting and securing is formed integral with the cord lock unit and the head box so that there are no loose parts to be packaged, assembled and secured.

Still a further object is to provide a method of securing a cord lock unit in a head box in such manner that it will be firmly fixed in position and which can be mounted in a minimum length of time.

A further object still is to provide a cord lock unit which can be manufactured either a right or left hand so that it readily fits any type of installation, and which also serves to reinforce the headbox structure when in position.

To the accomplishment of the foregoing and related ends, said invention then consists of the means hereinafter fully described and particularly pointed out in the claims, the annexed drawing, the following description setting forth in detail certain means and one mode of carrying out the invention, such disclosed means and mode illustrating, however, but one of various ways in which the principle of the invention may be used.

In the drawing:

Fig. 1 is a fragmentary, perspective, part-sectional view of one end of a Venetian blind head box showing the cord lock unit secured in position therein, parts being broken away to more clearly show the combination.

Fig. 2 is a sectional, end view of the assembly shown in Fig. 1.

Fig. 3 is a view similar to Fig. 2, showing the manner of mounting the cord lock unit.

Referring now more particularly to the drawing in which I have shown the preferred embodiment of my invention, the letter B indicates generally the head box of a Venetian blind; this is preferably formed of metal and comprises bottom and side walls 8, 9 and 10 respectively, and inwardly turned flanges 11 are provided on the upper ends of the side walls and for a purpose to be presently described.

A transversely disposed plate bracket 12 spans

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the head box, said bracket forming a bearing and support for the tilt shaft (not shown), and angularly disposed wings 13 are formed integral with the bracket and can be welded or otherwise secured to the side walls of the head box in any desired manner, the lower corners of the bracket 12 being cut as shown, to form a triangular shaped opening 14 when the bracket is assembled in position.

The cord lock unit is broadly indicated at C, the one side wall 15 extending beyond the other, the extending section being angled and offset as at 16, the upper edge terminating in a vertical section 17 as shown.

The section 18 of the bottom wall of the unit projects beyond the main body and notches 19 are provided in the edges of said projecting section to engage and interlock with the bracket plate 12 when the unit is assembled.

When it is desired to mount the cord lock unit in the head box, the workman takes the assembled unit, tilts it to position as indicated in Fig. 3 of the drawing so that the projecting end 18 of the bottom wall of the unit projects into the opening 14, the unit is then tilted as indicated by the arrow in Fig. 3 so that the notch 19 engages the wall of the opening 14 with the opposite edge of the unit wedged against the side wall of the head box and the wall section 17 resting in facial contact with the side wall 10. A tab 20 is provided on the overhanging flange 11 of the head box, and this tab is then bent down and over the wall section 17, thus securing the unit firmly in position, the flange 11 having been previously cut to form the tab.

To remove the unit it is merely necessary to bend the tab 20 upwardly to position as indicated in solid lines in Fig. 3 of the drawing, and the unit can then be easily removed.

When it is desired to provide for a left hand mounting, the projecting wall 16 is provided on the opposite side of the unit and the installation is made in exactly the same manner.

From the foregoing description, it will be clearly obvious that I have perfected a simple, practical, and inexpensive method and arrangement for mounting cord locks in Venetian blinds.

What I claim is:

1. The combination with a Venetian blind head box having a transversely disposed bracket therein, of a U-shaped cord lock unit associated therewith and formed with upwardly projecting side walls and a longitudinally projecting bottom wall section projecting through said bracket in releasable interlocking engagement therewith,

and means for releasably securing one side wall of said unit to the upper edge of said head box.

2. The combination defined in claim 1 in which the lower corners of the bracket are cut away to form, when assembled in a head box, an opening between the bracket and headbox of a size to receive said projecting bottom wall section, and a notch in the edge of the section for interlocking engagement with the bracket to lock it in position when the unit is turned to predetermined position in the headbox.

3. The combination with the headbox of a Venetian blind having a transversely disposed bracket secured therein, of a U-shaped cord lock unit associated therewith, one side wall projecting above the other and terminating in an offset vertical section adapted to lie in facial contact with and bear against the side wall of the headbox, and a readily bendable tab provided on the upper edge of the headbox and bendable to position to engage said offset vertical section, and secure the cord lock unit in position.

4. The structure as defined in claim 3 in which the cord lock unit is formed with a horizontally disposed projecting bottom section extending through an opening in said bracket, and means on said section and movable into interlocking engagement with the edge of the bracket opening when the unit is turned to operative, assembled position.

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REFERENCES CITED

The following references are of record in the file of this patent:

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