

Nov. 11, 1952

C. W. HESS  
CURTAIN HANGING MEANS

2,617,536

Filed Jan. 5, 1951

2 SHEETS—SHEET 1

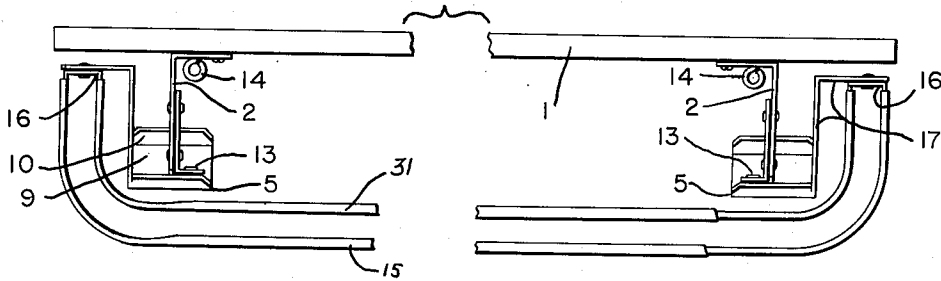


FIG. 1

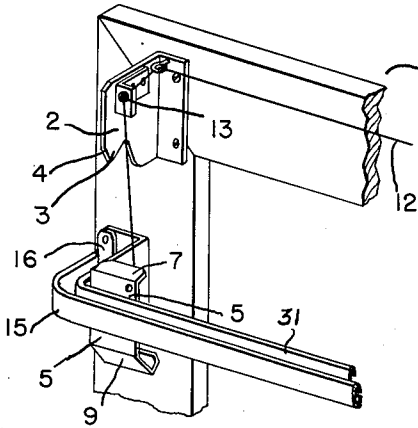


FIG. 2

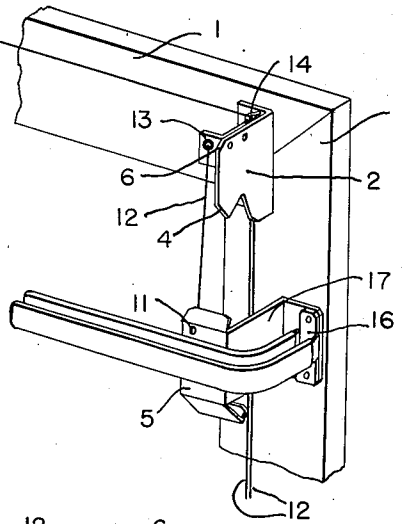


FIG. 3

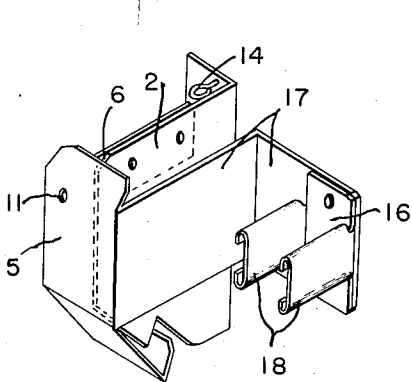


FIG. 4

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2 SHEETS—SHEET 2

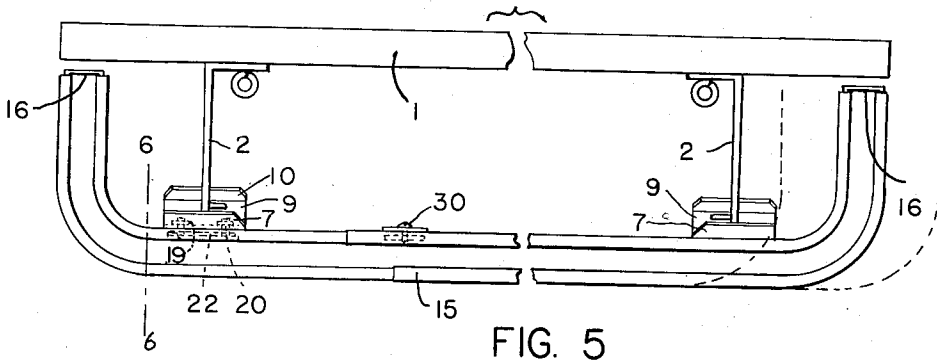


FIG. 5

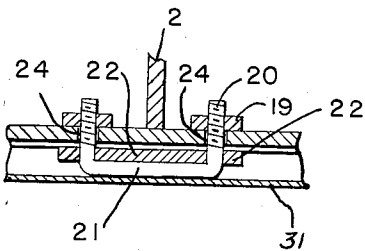


FIG. 7

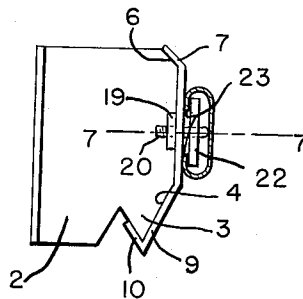


FIG. 6

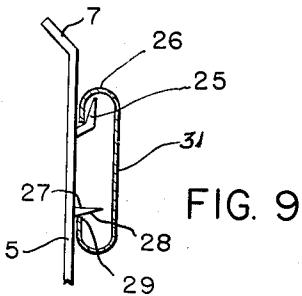


FIG. 9

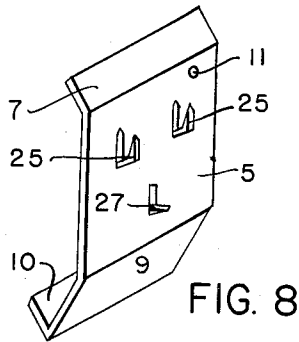


FIG. 8

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# UNITED STATES PATENT OFFICE

2,617,536

## CURTAIN HANGING MEANS

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Application January 5, 1951, Serial No. 204,589

2 Claims. (Cl. 211-103)

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This invention relates to curtain hanging means and has special reference to means for securing curtain rods to a movable support.

In my co-pending application for patent, Serial Number 106,589, filed July 25, 1949, which matured into U. S. Patent 2,568,498 on September 18, 1951, I have shown and described a particular bracket and plate combination which permits curtains and the like to be put up or taken down without the use of a ladder, or the like. My present invention utilizes this bracket and plate structure, and has as its principal object the provision of novel means for mounting curtain rods on the said plates so that the same may be readily put up and taken down as desired.

Another object is to provide means for securing telescopic curtain rods together to prevent their extension unintentionally.

Another object is to provide means for mounting curtain rods on the said plates which are simple and efficient yet relatively inexpensive.

Other objects and advantages will become more apparent as the description of the invention proceeds.

In the accompanying drawing forming a part of this application:

Fig. 1 is a broken top plan view of one form of my curtain rod mounting means.

Fig. 2 is a broken perspective view of the device shown in Fig. 1 showing the operation thereof.

Fig. 3 is a side elevational view of the bracket and plate.

Fig. 4 is a perspective view of Fig. 3.

Fig. 5 is a broken top plan view showing a modified form of curtain rod mounting means.

Fig. 6 is a sectional view on the line 6-6, Fig. 5.

Fig. 7 is a sectional view on the line 7-7, Fig. 6.

Fig. 8 is a perspective view of a plate member showing another curtain rod mounting means.

Fig. 9 is a broken side elevational view showing a curtain rod in place on the plate shown in Fig. 8.

In the drawing the reference numeral 1 indicates the window frame on which the brackets 2-2 are mounted in spaced horizontally aligned relationship. The brackets 2-2 project in vertical relationship from the frame 1 and have a substantially V-shaped hook portion 3 at the lower outer end thereof, the outermost edge of the hook 3 forming an upwardly inclined guide 4 for the plates 5 as they are raised to insure proper seating of the plates on the brackets, as will become apparent.

The upper outer end of the bracket is inclined inwardly as at 6.

The plates 5 are shaped to the contour of the

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outer edge of the brackets 2, as shown, having an upper, inwardly inclined portion 7 to rest against the edge 6; a straight portion 8 which extends in parallel relation with the window frame, and a lower angular portion made up of two oppositely inclined walls 9 and 10 which form a hook to engage on the cooperative hooking member 3, as shown. Each of the plates is provided with means, such as the holes 11, to which the cords 12-12 may be attached for raising the plates to and from the brackets 2, the cords 12 being rove through suitable eyes 13 and 14 on the brackets so that the ends of the cords 12 may be brought down along the window frame to within easy reach of a person standing on the floor near the window. Any suitable eye, not shown, or similar device may be secured to the lower portion of the window frame to provide means to tie the cords 12 and hold the plates 5 in place.

In operation, curtains, not shown, are carried on a curtain rod 31 adjacent the upper end of the window frame, and at times, a second rod 15 is provided to carry a valance or the like. The second rod 15 is secured to the rod 31 by any common curtain rod hanging bracket 16 which extends therebetween. The common mounting for these rods 31 and 15 comprises securing the brackets 16 to the window frame.

My invention utilizes the above described brackets 2 and plates 5, however, to permit the rods to be raised into place or lowered without a ladder or the like. The rods are secured to the plates 5 by various means. In Figs. 1-4, each of the plates 5 is provided with an L-shaped member 17 which extends rearwardly from the outer vertical edge of the plate, as shown, the leg portion of the L-shaped member having the bracket 16 secured thereto with suitable spaced lugs 18 to receive the ends of the curtain rods in the conventional manner.

This arrangement puts the ends of the curtain rods relatively close to the window frame, as shown, yet keeps the point of suspension of the curtain rods and plates relatively close to the center of gravity, thereby insuring that the plates 5 will be carried in substantially vertical position as they are raised and lowered, and thereby insuring that the plates will engage properly on the brackets as they reach same; that is, the V-shaped hook 9-10 will catch on the cooperative hook member 3 of the bracket to stop same exactly in place. It is to be noted that the inwardly inclined upper edge 7 of the plates 5 is held against the similarly inclined edge 6 of the

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brackets 2 by the cords 12—12 when the plates are in uppermost position and the cords held tight. By this arrangement, a great proportion of the weight of the rods and curtains is supported by the brackets rather than by the cords 12, which merely have to hold the plates against the brackets, as shown.

In Figs. 5, 6, and 7, I have shown a modified means to mount the curtain rods on the plates. The rods 31 and 15 are held in their desired spaced relation by the common rod bracket 16; however, the rod 31 is secured directly to the plates by means of a nut or nuts 19 which are installed on a threaded shank or shanks 20. As shown, the shanks 20 are the legs of a U-shaped holding frame 21 which is mounted in the rod 31, a plate 22 being provided with holes through which the legs 20 of the frame extend. The plate is of a width to span the usual opening 23 which is present in the rear face of common curtain rods, as shown. The plates 5 are provided with openings 24 through which the legs 20 extend, the nuts 19 being carried on the rear face of the plates, as shown. Of course, curtains are installed on the rods 31 and 15 before the legs 20 are inserted through the openings 24 in the plates.

The rods and plates are lowered and raised in the same manner as above, of course. In Figs. 8 and 9, I have shown a further modified form of means for mounting the curtain rods on the plates 5. There are a pair of pointed lugs 25 stamped or pressed forwardly from the body of the plate as shown, the lugs being bent to form a hook which extends outwardly and upwardly so that the upper rolled edge 26 of the curtain rod 31 may be engaged on the hook 25 as seen in Fig. 9.

A third lug 27 is struck forwardly from the body of the plate 5 and extends substantially normal to the surface of the plate; however, the lower edge of the lug 27 is preferably inclined upwardly slightly, as at 28, so that the lower edge 29 of the curtain rod may be engaged thereby to form a firm mounting for the rod on the plates.

It is preferred that the two parts of the rod 31 which telescope together be clamped in place by means of a clamping device 30 to prevent their moving laterally accidentally.

It is deemed apparent, from the above, that I have developed a new and useful curtain hanging means which is relatively simple to operate and which will aid materially in lessening home accidents which occur when persons use improper ladders or the like.

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Having thus described my invention, what I claim is:

1. Means for supporting curtains and the like on a window frame comprising: a rod adapted to carry said curtains, a pair of brackets secured to said frame in spaced alined relation, a pair of plates, means securing said plates to said rod to correspond with said brackets, and a cord secured to each of said plates and slidably carried by said brackets for lowering said plates and rod from said brackets and raising same to said brackets, said means comprising a pair of hook-shaped members struck from and extending outwardly and upwardly from said plates, said hooks being in horizontal alined relationship, and said rod having a rolled upper edge into which said hooks are engaged.

2. Means for supporting curtains and the like on a window frame comprising: a rod adapted to carry said curtains, a pair of brackets secured to said frame in spaced alined relation, a pair of plates, means securing said plates to said rod to correspond with said brackets, and a cord secured to each of said plates and slidably carried by said brackets for lowering said plates and rod from said brackets and raising same to said brackets, said means comprising a pair of hook-shaped members struck from and extending outwardly and upwardly from said plates, said hooks being in horizontal alined relationship, said rod having a rolled upper edge into which said hooks are engaged and a lug pressed outwardly from said plates below said hooks, said lug having an edge inclined upwardly slightly to engage and frictionally hold the lower portion of said rod in place.

CARL W. HESS.

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