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METHOD AND APPARATUS FOR DRAPING CURTAINS


The present invention relates to an improvement in a method and apparatus for draping curtains and the like, and has for its principal object the provision of means whereby curtains or drapery may be hung in accordance with furnished charts so that a plurality of individual displays, or either window displays in widely separated installations or stage backgrounds and similar installations may be set up by furnished charts in order that many variations of draping may be had from a single type of structural installation in conjunction with printed instructions.

A further object is the provision of mechanical means, substantially of standard pre-established arrangement, though of various dimensions to suit varied installations whereby to carry out the above noted features.

A further object is to provide an apparatus, as above noted, wherein draping combinations and positions for curtain attachments may be pre-indexed so as to conform to supports.

Further provision is made whereby the draping support may be located in curtain draping position, and may be brought to draping position, for convenience in removal or alteration of draping, when desired, all being done for convenience and ease of operation.

These and other capabilities will be appreciated as the herein description proceeds, and it is obvious that modifications may be made herein without departing from the spirit of the invention or the scope of the appended claims.

In the accompanying drawings:

Fig. 1 is a bottom view of my device assembled.
Fig. 2 is a partially sectioned view showing the device in mounted drape holding position.
Fig. 3 is a fragmentary bottom view of the drape supporting frame showing the method of indexing.
Fig. 4 is an enlarged sectional view showing a preferred mode of curtain or drape attachment to support.
Figs. 5 to 8 inclusive show bottom views of support with a diagrammatic layout of curtain attachment for forming desired backgrounds and the like.
Fig. 9 shows the support in lowered position for adjusting curtain or drape connections thereon.
Fig. 10 is a fragmentary view of the curtain attaching means in the operation of attachment to support.
Fig. 11 is a rear view of a fragment of the support showing attaching means in position as in Fig. 4.
In Fig. 2 the device is shown sectionally in operative position in a store window or stage setting, the ceiling 1, side walls 2 and floor 3 being merely outlined to permit of clear understanding. A curtain or drape 4 is shown suspended by being caught upon a number of, spaced, removable supports 5-5, etc., which are mounted upon a perforated support plate generally denoted by 6 throughout the different views. The support plate may be of any suitable material of sufficient strength to be rigid in use, and sheet metal is satisfactory for this purpose.
The holes 5' are arranged in preferably rectangular spacing over the entire surface of the plate 6. The edge of the plate may be reinforced by an attached iron edging 7, best shown in Fig. 4. The edged support plate is in turn pivotally mounted at two opposite points upon bearings 8, which are attached to a surrounding rectangular metal suspension frame 9 on all sides.
At one side, Fig. 1, is located a latch 10 connected in a well known manner between the suspension frame 9 and support edging 7 whereby the support plate 6 may be held against pivotal action, normally when in operative curtain suspending position but may be released therefrom for reasons hereinafter outlined.
The suspension frame 9 is provided at its top or rear face with a plurality of cable at-
taching means in the form of eyebars 11, Figs. 2 and 9, to which may be attached cables 12 which, in turn, are passed through pulley blocks 13 at any suitable point of attachment, such as the walls 2. The cables 12 are then led to a convenient point and are manually attachable to a wall cleat 14, Figs. 2 and 9. Release of the cables from the cleat 14 permits the lowering of the plate 6 and its frame 9 from the elevated horizontal ceiling or drape suspension position, Fig. 2, to the floor 3, Fig. 9, whereupon the latch 10 is released and the plate 6 swung to the vertical position shown in Fig. 9. This places the plate 6 and its curtain within easy reach of the operator for curtain removal and changes.

In Figs. 1, 3 and 9 the edging 7 is shown as having on one edge a series of numerals 1 to 33 inclusive, thus indexing the horizontal rows of holes, as in Figs. 1 and 9, and on an adjacent edge of frame 7 are located a series of alphabetical indexes A to Q inclusive, these latter being associate indexes to the transverse rows of holes as disclosed in Figs. 1 and 9.

Thus, all of the holes 5' in plate 6 are easily read as to position. A furnished printed chart may then be utilized to designate the position of holes to be used, such as A1, A4, B5, B8, etc., and the following out of such instructions causes the suspending edge of the curtain or drape to partake of different draping designs such as are indicated in Figs. 5, 6, 7 and 8, which diagrammatically illustrate differently attached arrangements of the curtain 4 at points 15 and therebetween, thus to hold the drape in desired vertical contour. The curtain to be draped may be of any suitable textile.

As a means for readily attaching and detaching the curtain from plate 6 there are shown in Figs. 4, 10 and 11, enlarged fragmentary views of the plate 6, the holes 5' therein and a T-shaped curtain attaching means, generally denoted by 8, comprising a flat head link 10 pivotally attached to a flat extension link 17, the lower or exposed end of which mounts a curtained hook or pin 18. The pin is readily attached to the curtain to hold the attaching means thereto at spaced points on the curtain, as in Fig. 2 at 19—19, etc. The head 16 may be swung in the direction of the dotted lines 20, Fig. 10, to permit of introduction through the holes 5' and due to the unbalanced location of the pivot 21, the head will adjust itself to T position thereby to lock the curtain to operative position, best shown in Fig. 4.

When the curtain has been mounted to the plate, the assembly is then latched together in horizontal position in the suspension frame 9, and is then raised by cables 12 to operative position as shown in Fig. 2.

What I claim is:

1. A curtain suspension means comprising a suspendable frame, means for suspending said frame, a pivoted curtain suspending means normally latched in said frame in curtain suspending position, and curtain locating suspension means in said frame.

2. A curtain suspension means comprising a suspendable frame, means for suspending said frame, a pivoted curtain suspending means normally latched in said frame in curtain suspending position, curtain locating suspension means in said frame, and means for connectively mounting said curtain to said curtain locating suspension means.

3. A curtain suspension means comprising a horizontally suspendable frame, means for suspending said frame, a pivoted curtain suspending means movable in said frame and normally latched in said frame in curtain suspending position, curtain locating suspension means in said frame, and removable means for connectively mounting said curtain to said curtain locating suspension means.

4. A curtain suspension means comprising a horizontally suspendable frame, means for movably suspending said frame, a pivoted curtain suspending means horizontally mounted in said frame in curtain suspending position, means for latching and unlatching said frame and suspending means, and plural curtain locating and attaching means in said suspending means.

5. A curtain suspension means for use with a window frame or the like, comprising, a curtain supporting frame, adapted to be suspended from the top of said window frame, a pivoted curtain suspending member, normally latched in said suspended frame, and removable supports, carried by said member, adapted to hold a curtain in any desired draper arrangement.

6. A curtain suspension means for use with a window frame or the like, comprising, a curtain supporting frame, adapted to be suspended from the top of said window frame, a pivoted curtain suspending member, normally latched in said suspended frame, and removable supports, carried by said member, adapted to hold a curtain in any desired draper arrangement.

7. A curtain suspension means for use with a window frame or the like, comprising, a curtain supporting frame, adapted to be suspended from the top of said window frame, a curtain suspending member, pivotally suspended in said suspended frame, means for normally latching said suspending member against pivotal movement on said suspended frame and plural curtain supporting means, carried by said suspending member, adapted to hold a curtain in any desired draper arrangement.

8. A curtain suspension means for use with a window frame or the like, comprising, a horizontally suspendable frame, adapted to be suspended from the top of said window frame, a curtain suspending member, pivotally mounted on said frame and normally latched thereto, and position indexing means, carried
9. A curtain suspension means, comprising a horizontally supported curtain suspending plate, plural curtain attaching means anchored in said plates, and anchoring means on said plate arranged in coordinate rows thereon for selectively connecting thereto said attaching means.

10. A curtain suspension means comprising a curtain suspending plate having in parts thereof multiple apertures arranged in coordinate rows and multiple curtain attaching means selectively anchored in said apertures, each of said attaching means having thereon a narrower part to extend through one of said apertures, a wider part to be intercepted by adjoining parts of said plates, and a hooking means suspended from said narrower part to connect a part of said curtain thereto.

11. A curtain suspension means comprising a curtain suspending plate having in parts thereof multiple apertures arranged in coordinate rows and multiple curtain attaching means selectively anchored in said apertures, each of said attaching means having thereon an extension link, a head link flexibly connected thereto intermediate its ends, said head link with the upper part of said suspension link adapted to be passed through one of said apertures when said links are in aligned relation, and said head link to be turned so as to be supported by the plate, and a hooking means suspended from said extension link, to connect a part of said curtain thereto.

12. A draping support of the class described comprising a horizontally suspended drape supporting plate, a drape to be supported by said plate, plural drape attaching means on said plate, and means between said drape and said plate for selectively attaching said drape to said plate in desired alteration of draping, substantially as described.

Signed at New York in the county of New York and State of New York this 21st day of May, A. D. 1929.

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