Feb. 28, 1928. 1,661,137

W. J. FURLONG

DRAPERY SUPPORT

Filed Sept. 1, 1922

Fig. 1.

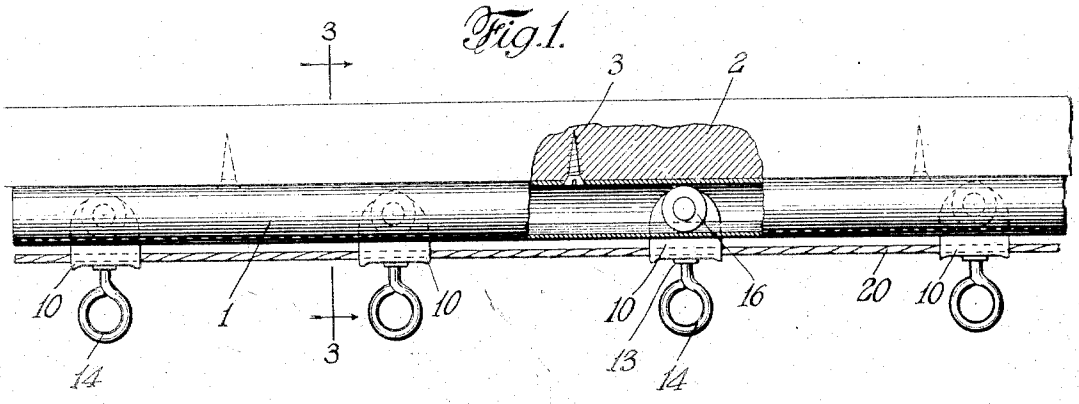


Fig. 2.

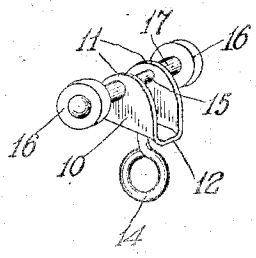


Fig. 3.

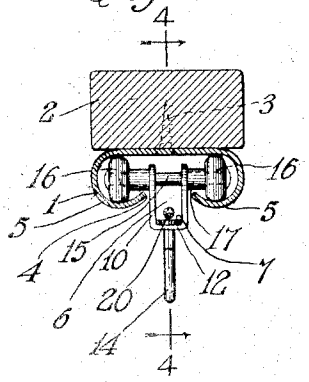
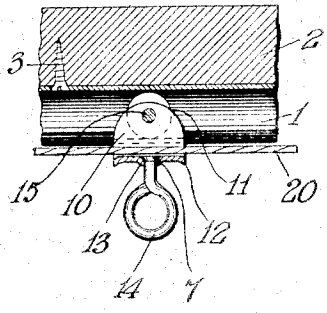


Fig. 4.



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UNITED STATES PATENT OFFICE.

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DRAPERY SUPPORT.

Application filed September 1, 1922. Serial No. 585,633.

The invention relates to drapery supports of the type embodying a hollow guide having a longitudinal slot in one face, the walls of the tube on opposite sides of said slot being employed as tracks for a plurality of carriers attached to the draperies and having suitable runners adapted to slide along the tracks during adjustment of the position of the draperies.

One object of the invention is to provide a drapery support of the above type, by which the draperies may be adjusted without jamming or clogging of the carriers in their tracks, and in which the carriers will slide freely under all conditions likely to be met with in practice.

Another object is to provide a drapery support which will facilitate the use of a traverse cord for the purpose of adjusting the position of the draperies.

Further objects and advantages of the invention will be in part obvious and in part specifically pointed out in the description hereinafter contained, which—taken in connection with the accompanying drawings—discloses a preferred embodiment of the invention; such embodiment, however, is to be considered merely as illustrative of its principle.

In the drawings—

Figure 1 is a side elevation, partly in section, of a drapery support constructed in accordance with the invention and mounted in operative position;

Fig. 2 is a perspective view showing, detached, the structure of the carrier which forms a part of the drapery support appearing in Fig. 1;

Fig. 3 is a transverse sectional view taken on line 3—3 of Fig. 1 and looking in the direction of the arrows.

Fig. 4 is a central longitudinal section taken on line 4—4 of Fig. 3, looking in the direction of the arrows.

In the illustrated embodiment of the invention, there is shown a hollow guide 1 suitably secured to a support 2,—for example, by screws 3,—such guide having therein a longitudinal slot 4 and the walls 5 of the guide on opposite sides of the slot 4 being shaped to provide a pair of tracks extending lengthwise of the guide. The carriers are shown as provided with suitable runners 16 adapted to slide or roll along the tracks above mentioned, such runners in the present instance consisting of wheels or rollers carried by an axle 15. Suitable devices such as are hereinafter described in greater detail, will be understood as connected to the runners above described to permit draperies to be attached thereto.

In the use of drapery supports involving carriers having runners sliding in a hollow guide as above referred to, the operation of the support may be unsatisfactory for several reasons; for example, if the runners, which usually are in the form of wheels or rollers, are permitted to come into contact with each other, there is a tendency for the rollers to be displaced laterally, with the result that adjacent rollers are jammed against the walls of the guide which forms the tracks and the rollers are thus so effectively locked or wedged out of proper position that it is necessary to readjust them by hand. This is often awkward to do, since the supports usually are inaccessibly located. Furthermore, if the runners are permitted to have any substantial degree of lateral play in the guide, they are liable to assume an oblique position with regard to the length of the guide, under which conditions the tension on the carriers during adjustment of the draperies jams the runners against the walls of the guide and interferes with the proper operation of the support.

In accordance with one feature of the present invention, I provide between the runners an intermediate member 10 which is connected to the runners and provided with side walls which fit with very little clearance between the edges of the slot in the guide; thus, if the runners tend to turn obliquely to the length of the guide, the side walls of the above-mentioned intermediate member will act as a stop to prevent this movement, and, nevertheless, this intermediate member slides sufficiently freely in the slot to permit the proper travel of the carrier along the guide.

In the present instance, the intermediate member 10 is constituted by a yoke-shaped piece having ears 11 which are rotatably mounted upon the axle 15, the outer sides of the ears fitting comparatively closely in the slot 5 to prevent the carrier from twisting as aforesaid. The intermediate member

10 preferably is so constructed as to have a recess 6 therein, so that a traverse cord 20 may be led through and supported by the several carriers; thus the carriers serve to prevent the cord from sagging unduly in different adjustments of the draperies. Preferably the bottom of the recess 6 is curved downwardly at its ends 12 to prevent the intermediate member 10 from catching against the traverse cord in case adjustment of the draperies should cause the intermediate member to rock angularly on axle 15. I also prefer to round the upper portions of the ears 11 in order to permit such a rocking movement to take place freely in a minimum of space.

The intermediate member 10 also preferably is fixed against lateral displacement relative to the runners 16, and thus, if the runners tend to move transversely of the guide sufficiently to cause them to jam, the side walls above mentioned of the intermediate member will act as a stop against this movement by engagement with the edges of slot 4. In the present form of the invention, collars or shoulders 17 are interposed between the ears 11 of the intermediate member and rollers 16 to prevent the above parts from sliding laterally.

In order to prevent runners 16 of adjacent carriers from contacting and forcing each other out of proper position, I prefer to extend the intermediate member 10 beyond the runners, in both directions lengthwise of the tracks; thus, if the draperies are adjusted in such manner as to bring together adjacent carriers, the intermediate members 10 of such carriers will meet before the runners thereof come into contact, and each carrier will continue to function properly.

A member 14, which may be in the form of a hook or eyelet, is attached to the intermediate member 10 to enable the draperies to be secured thereto, and as another feature of the invention I prefer to construct this member 14 so that it may move angularly with regard to the remainder of the carrier; as illustrated, the base of intermediate member 10 is provided with a countersunk recess 13 within which is swivelled the enlarged head 7 of member 14. Thus, if the cords tend to twist member 14, the latter may turn without straining the remainder of the carrier toward a position oblique to the length of the guide.

While a specific embodiment of the invention has been described, it will be obvious that while the various features above described are preferably conjointly employed, they have individual utility and are not necessarily all used together, and that many changes may be made therein without departing from its principles, as defined in the following claims.

Having particularly described my invention, what I claim and desire to secure by Letters Patent is:

1. A drapery support comprising a hollow guide having a longitudinal slot therein, the walls of said guide on opposite sides of the slot constituting tracks extending lengthwise of said guide, and a carrier, said carrier comprising runners adapted to run in said tracks and connected by an axle, and an intermediate member disposed in said slot, said member being of U-shape and having its opposite sides pivoted to swing about said axle as an axis and fitting relatively close along the edges of the slot to prevent the runners from moving to a position oblique to the length of the guide.

2. A curtain hanger comprising a metal track including an upper sustaining portion, spaced depending portions, and inwardly bent track portions disposed in spaced relation to each other, a bracket of U-shaped formation having the parallel portions thereof extended between the track portions, a stub shaft mounted in the parallel portions of the bracket at a point within the track, rollers carried by the ends of the stub shaft and having rolling contact with the inner sides of said track portions, and a hook swivelly sustained on the horizontal portion of the bracket.

3. A drapery support comprising a hollow guide having a longitudinal slot therein, the walls of said guide on opposite sides of said slot constituting tracks extending lengthwise of said guide, and a carrier, said carrier comprising runners adapted to run in said tracks and connected by an axle, an intermediate member carried by said axle between said runners, and a drapery attaching member swivelly supported by said intermediate member.

4. A drapery support comprising a hollow guide having a longitudinal slot therein, the walls of said guide on opposite sides of said slot constituting tracks extending lengthwise of said guide, and a carrier, said carrier comprising runners adapted to run in said tracks and connected by an axle, an intermediate member carried by said axle between said runners, and a drapery attaching member swivelly supported by said intermediate member, the intermediate member being pivotally supported from said axle.

5. A drapery support comprising a hollow guide having a longitudinal slot therein, the walls of said guide on opposite sides of said slot constituting tracks extending lengthwise of said guide, and a carrier, said carrier comprising runners adapted to run in said tracks and connected by an axle, an intermediate member carried by said axle between said runners, and a drapery attaching member swivelly supported by said intermediate member, shoulders being provided between the intermediate member and the portions

of the rollers which are of largest diameter, to hold the intermediate member against undue lateral shifting.

6. A drapery support comprising a hollow guide having a longitudinal slot therein, the walls of said guide on opposite sides of said slot constituting tracks extending lengthwise of said guide, and a carrier, said carrier comprising runners adapted to run in said tracks and connected by an axle, an intermediate member carried by said axle between said runners, and a drapery attaching member swivelly supported by said intermediate member said intermediate member being supported to permit it to swing freely about said axle as an axis, and having side walls of substantial longitudinal extent and fitting relatively close to the edges of the slot and adapted to engage the same to prevent the runners from moving to a position oblique to the length of the guide.

7. A drapery support comprising a hollow guide having a longitudinal slot therein, the walls of said guide on opposite sides of said slot constituting tracks extending lengthwise of said guide, and a carrier, said carrier, comprising runners adapted to run in said tracks and connected by an axle, an intermediate member carried by said axle between said runners, and a drapery attaching member swivelly supported by said intermediate member said intermediate member being supported to permit it to swing freely about said axle as an axis, and having side walls of substantial longitudinal extent and fitting relatively close to the edges of the slot and adapted to engage the same to prevent the runners from moving to a position oblique to the length of the guide, said intermediate member extending beyond the runners in both longitudinal directions.

In testimony that I claim the foregoing, I have hereunto set my hand this 24th day of August, 1922.

WILLIAM J. FURLONG.