W. E. KURTZ.

CURTAIN SUPPORT.

APPLICATION FILED AUG. 15, 1917.

1,249,972.

Patented Dec. 11, 1917.

Fig. 1.

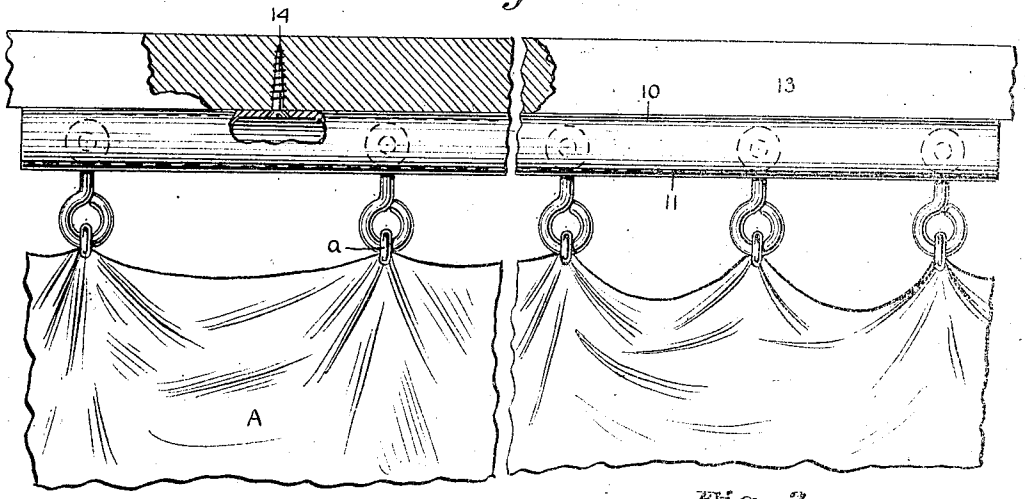


Fig. 2.

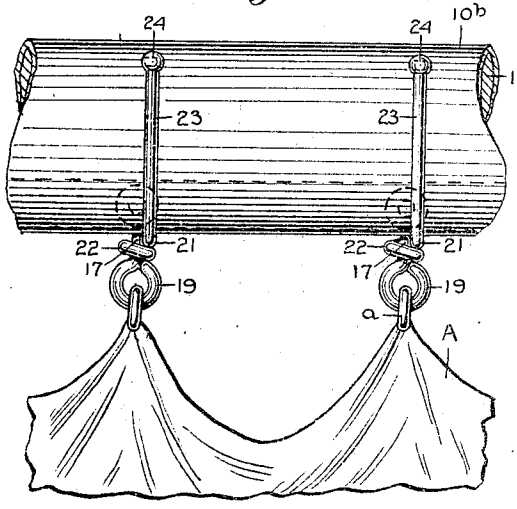


Fig. 3.

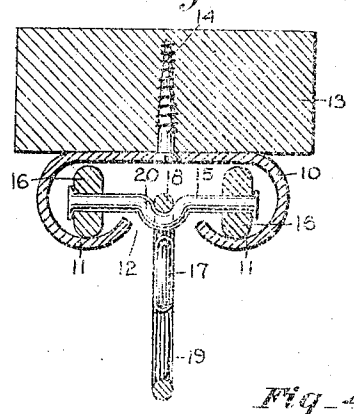


Fig. 4.

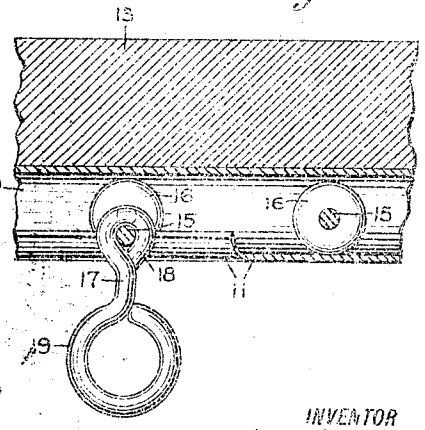
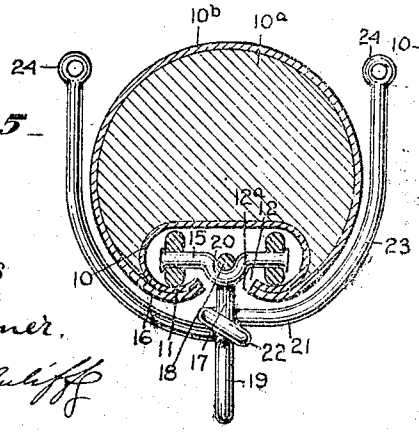


Fig. 5.



WITNESSES

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CURTAIN-SUPPORT.

1,249,972. Specification of Letters Patent. Patented Dec. 11, 1917.

Application filed August 15, 1917. Serial No. 186,308.

To all whom it may concern:

Be it known that I, WILLIAM E. KURTZ, a citizen of the United States, and a resident of Los Angeles, in the county of Los Angeles and State of California, have invented a new and Improved Curtain-Support, of which the following is a full, clear, and exact description.

My invention relates to means for supporting curtains and more particularly to the type of curtain supports in which carriers attached to the curtain are adapted to travel in a guide secured to an overhead support.

The general object of my invention is to provide a curtain supporting means in which the wheeled curtain carriers are arranged to travel on tracks provided in a novel manner by a tubular supporting element in which the axles of the wheeled carriers are so formed and so arranged relatively to the supporting tube as to maintain the carriers against displacement.

A further object of the invention is to provide a carrier supporting means improved in various particulars with respect to strength and efficiency and with a view to promote convenience in assembling or adjusting the parts.

The nature of the invention and its advantages will appear from the particular description following.

Reference is to be had to the accompanying drawings forming a part of this specification in which similar reference characters indicate corresponding parts in all the views, it being understood that the drawings are merely illustrative of particular examples of the invention.

Figure 1 is a side elevation of a curtain supporting means embodying my invention, parts being broken away;

Fig. 2 is a fragmentary side elevation illustrating another form of the invention;

Fig. 3 is a transverse vertical section of the form illustrated in Fig. 1;

Fig. 4 is a longitudinal vertical section of the parts shown in Fig. 3, a portion of the track being broken away;

Fig. 5 is a transverse vertical section of the device illustrated in Fig. 2.

Referring more particularly to the form of the invention illustrated in Figs. 1, 3 and 4, the numeral 10 indicates a track element which as clearly seen in Fig. 3 is in the form of a flattened tube, the sides of which extend laterally inward toward each other and are curved in cross section or given an equivalent formation to form longitudinal depressions or track surfaces at the inner or upper sides thereof. The sides 11 are spaced apart, thereby producing a longitudinal slot 12 in the tube 10 at the under side. The flattened tube 10 is adapted to be secured to any overhanging fixed support 13 by suitable fastening means such as screws 14.

A series of wheeled carriers is arranged to travel in the tube 10 on the tracks provided by the sides 11 of the tube. Each carrier includes an axle 15 disposed transversely in the tube and having wheels 16 revoluble on the ends thereof. The space between the inner track surfaces of the sides 11 and the top of the tube 10 at the sides is such as to require the wheels to travel in straight paths parallel with the slot 12, the limited vertical dimension of the interior space and the upwardly extending inner edges of the sides 11 preventing the wheels from assuming such angular positions as would cause binding or displacement of the carriers. Suspended on each carrier axle 15 is a hanger 17, the form of which may be varied. As here shown the upper end of the carrier is formed into an eye 18 loosely embracing the axle 15 while the lower end is formed into an eye 19 or given any equivalent formation to receive any approved fastening pin or ring *a* attached to a curtain A, whereby to suspend the curtain in intervals as in the usual manner. For the purpose of utilizing the weight of the curtain and the hangers 17 for maintaining the axle 15 in proper transverse alinement in the tube 10, said axle at the center thereof is formed with a bend 20 thereby producing a depression at the upper side of the axle in which the eye 18 of the hanger is received so that any twisting movement of the axle is resisted.

It will be apparent from the foregoing in connection with the drawing that the tube 10 and the wheeled carriers may be cheaply produced; that the novel formation of the flattened tube 10 with its sides 11 forming the tracks, provides in effect longitudinal track depressions that properly guide and prevent displacement of the wheels; and that the depressions of the axles at the cen-

ter to receive the hangers coacts with the track formation to maintain the carriers in proper positions relatively to one another and to the track.

The form illustrated in Figs. 2 and 5 adapts the invention for the hanging of a certain type of curtains or portières known as the French headed curtain. In this form of the invention a pole is employed consisting of a wood filling 10^a with a brass or like metallic cover 10^b, and said pole is grooved at the under side, the groove conforming to the cross section of the tube 10 snugly receiving the latter. Inasmuch as the tube 10, the wheeled carrier, and the hangers 17 are the same as in the first described construction, the same reference characters are employed. The metal covering 10^b is longitudinally slotted at the under side of the pole to register with the slot 12 of the tube 10 and the side edges of said covering are curved laterally inward and slightly upwardly to conform to the inward and upward bends of the track members 11. With this form of the invention each carrier 17 is provided with a curtain supporting device designated generally by the numeral 21 presenting side arms 23 approximately parallel for their major portions thereof with the round sides of the pole. The device 21 with its arms 23 is preferably formed from a single rod or wire and extends transversely at the under side of the pole, the arms extending laterally and upwardly. It will be obvious that any suitable means may be employed for securing the device 21 to the hanger 17, the illustrated form serving the purpose and consisting of a loop 22 formed in the device 21 at the center, that is to say, at the juncture of the arms 23, and engaging the said hanger. The arms 23 are provided with means whereby to secure the same to a curtain for which purpose in the illustrated form eyes 24 are produced on the arms at their upper ends adapted to be sewed or otherwise secured to the curtain.

I wish to state in conclusion that although the illustrated examples constitute practical embodiments of my invention, I do not limit myself strictly to the mechanical details herein illustrated, since manifestly the same can be considerably varied without departure from the spirit of the invention as defined in the appended claims.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent:

1. A curtain supporting means including a flattened tube presenting a longitudinally disposed top portion adapted to be secured to a support, said tube at the under side having longitudinally disposed parallel side members constituting wheel tracks, said tracks presenting longitudinal depressions at the inner sides thereof, the tracks being separated, and curtain carriers having wheels running on said tracks, said carriers each having a depending means extending through said slot and adapted to be secured to a curtain.

2. A curtain supporting means including a flattened tube adapted to be secured to a support and formed at the under side with longitudinally disposed members curved in cross section constituting wheel tracks, and wheeled curtain carriers, the wheels whereof run on said tracks, the space between the track surfaces and the top of the flattened tube being slightly more than the diameter of the wheels.

3. A curtain supporting means including a tube presenting a longitudinal slot at its under side and having members at the sides of the slot constituting track surfaces at the interior of the tube, a transverse axle in said tube, the axle having a depression at the approximate center in line with the slot, wheels on the axle adapted to travel on said track surfaces, and a hanger suspended on the axle at the said depression and depending through the slot, said hanger having means whereby to secure the same to a curtain.

4. A curtain supporting means including a pole, curtain carriers supported by the pole at the under side to travel longitudinally, and curtain engaging means comprising side arms extending laterally in opposite directions and upwardly at the sides of the pole.

5. In curtain supporting means employing a track and carriers thereon; a carrier, a hanger on said carrier, and curtain securing means on said hanger and comprising side arms extending laterally in opposite directions from the hanger and upwardly, said arms having means for attaching the same to a curtain.

WILLIAM E. KURTZ.