Sept. 8, 1925.

1,552,831

W. H. EDSALL

CURTAIN SUPPORT

Filed Aug. 19, 1924

Fig. 1.

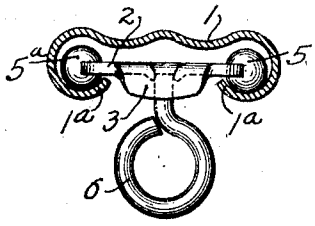


Fig. 2.

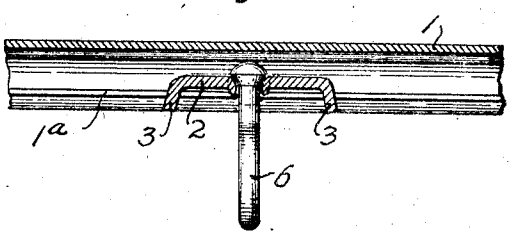


Fig. 3.

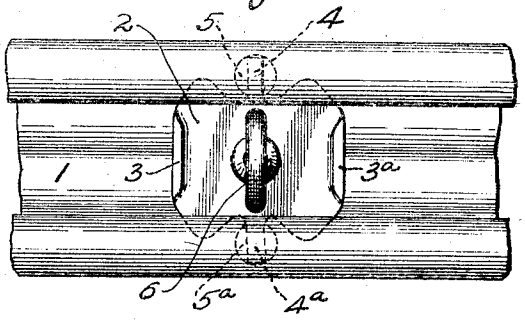


Fig. 4.

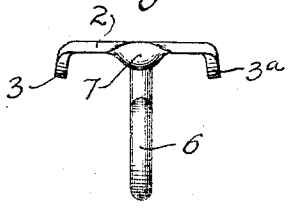
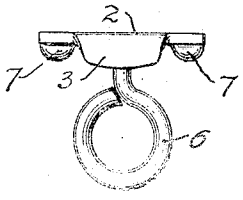


Fig. 5.



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Patented Sept. 8, 1925. 1,552,831

UNITED STATES PATENT OFFICE.

WILLIAM H. EDSALL, OF WALLINGFORD, CONNECTICUT, ASSIGNOR TO H. L. JUDD COMPANY, INC., OF WALLINGFORD, CONNECTICUT, A CORPORATION OF DELAWARE.

CURTAIN SUPPORT.

Application filed August 19, 1924. Serial No. 732,926.

To all whom it may concern:

Be it known that I, WILLIAM H. EDSALL, a citizen of the United States of America, residing at Wallingford, Connecticut, have invented a new and useful Curtain Support, of which the following is a specification.

This invention relates to curtain supporting devices, the particular improvement being directed to an anti-friction carrier construction from which carrier a curtain may be suspended and by means of which said curtain may be easily and freely moved back and forth relatively to a supporting rod.

My chief object is to provide an exceedingly simple and inexpensive construction, easy to manufacture and yet durable and effective in use.

In the drawings—

Fig. 1 is a cross section of a rod and an end elevation of a carrier associated therewith;

Fig. 2 is a longitudinal section of the rod and carrier, part of the latter being in elevation;

Fig. 3 is a view of the under side of the carrier and rod;

Fig. 4 is a side view of a modified form of carrier;

Fig. 5 is an end view thereof.

1 represents a curtain rod, which is substantially flat as distinguished from round. The opposite edges of the rod are rolled in, as at 1^a—1^a. These rolled-in edges form curved spaced channels adjacent the opposite edges of the rod.

The carrier comprises what I may term a disc-like plate 2, the front and rear edges of which are bent down to form guide lugs, as at 3—3^a. The opposite sides of each plate are recessed, so as to form between them, two pin-like bearings or journals 4—4^a, upon which may be mounted for rotation balls 5—5^a. A pendant eye 6 may be secured to the center under side of the disc body 2, to which a curtain may be attached in any convenient way.

The balls 5—5^a are preferably of a sufficient size to substantially fill the space between the channels formed by the flanges 1^a—1^a but leaving sufficient clearance to permit the balls to move and turn freely.

The depending guide lugs 3—3^a stand in the slot between the flanges 1^a—1^a and act as alining devices to keep the disc-like member from turning to such an extent as to withdraw the pins 4—4^a from the balls 5—5^a, in the event the ends of said pins are not upset. In practice, I prefer to upset the outer ends of the pivot pins 4—4^a so that the entire carrier plate, with the anti-friction balls, can be handled as a unit.

In assembling the devices the carriers are introduced at the end of the rod and partake of a shuttle-like movement therein, so that, when curtains are suspended therefrom, the same may be moved freely back and forth.

In the modification shown in Figs. 4 and 5 I have substituted in place of spherical balls, semi-spherical integral formations 7—7 at the opposite sides of the disc-like body 1, the contour of said semi-spherical formations corresponding sufficiently to the contour of the channels above the flanges 1—1^a to ride freely therein, although manifestly not with that same degree of freedom that would be furnished by the balls previously described.

In both forms of carrier the disc-like plate with its pivots and lugs, may be formed by a single stamping operation, which will result in rapid and economical production.

The lugs 3—3^a not only serve to guide the carriers but also act as end stops to prevent end carrier from riding up on the next adjacent carrier.

I claim:

1. As an article of manufacture, a carrier for curtains comprising a substantially flat plate, integral downturned guide lugs at the front and rear edges thereof, and bearing members at the two opposite side edges thereof positioned, respectively, between the aforesaid guide lugs, the bearing faces of said bearing members being convexly shaped.

2. As an article of manufacture, a carrier for curtains comprising a substantially flat plate, integral downturned guide lugs at the front and rear edges thereof, and bearing members at the two opposite side edges thereof positioned, respectively, between the aforesaid guide lugs, the bearing faces of said bearing members being convexly shaped and comprising rotatable balls.

WILLIAM H. EDSALL.