Jan. 15, 1924. 1,480,800

T. S. WAIT

CURTAIN FIXTURE

Filed Dec. 12, 1921

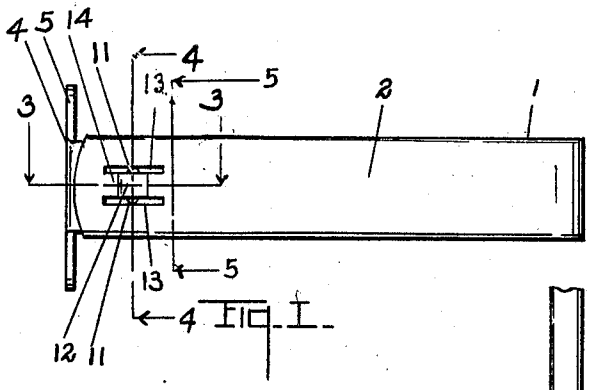


FIG. I.

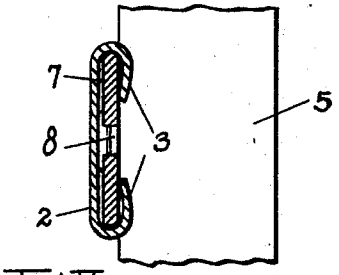


FIG. V.

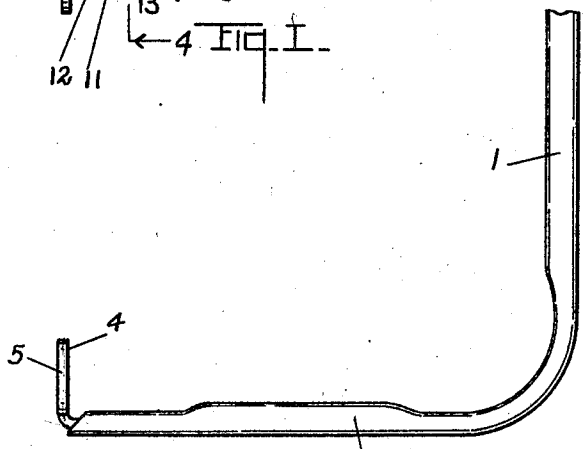
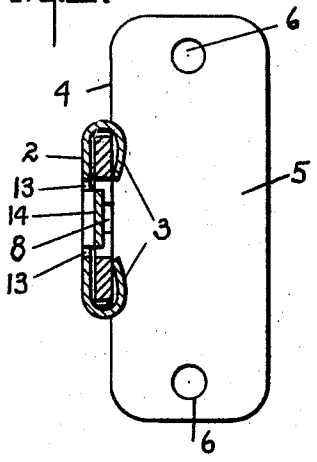


FIG. II.



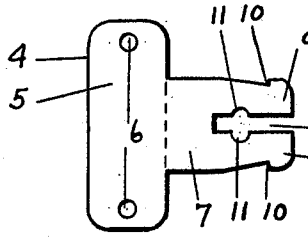


FIG. IV.

FIG. VI.

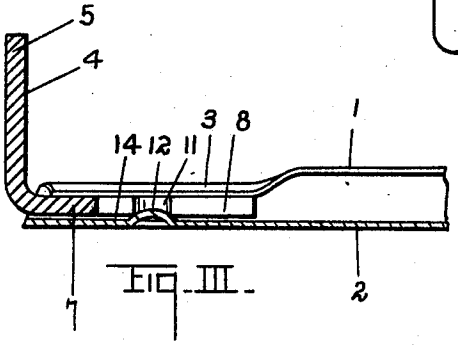


FIG. III.

INVENTOR.
THADDEUS S. WAIT

BY Chappell & Earl

ATTORNEY.

Patented Jan. 15, 1924. 1,480,800

UNITED STATES PATENT OFFICE.

THADDEUS S. WAIT, OF STURGIS, MICHIGAN, ASSIGNOR OF ONE-HALF TO JAMES HENRY, OF STURGIS, MICHIGAN.

CURTAIN FIXTURE.

Application filed December 12, 1921. Serial No. 521,742.

To all whom it may concern:

Be it known that I, THADDEUS S. WAIT, a citizen of the United States, residing at Sturgis, county of St. Joseph, State of Michigan, have invented certain new and useful Improvements in Curtain Fixtures, of which the following is a specification.

This invention relates to improvements in curtain fixtures.

The main object of this invention is to provide an improved curtain fixture in which the rod may be quickly mounted on or detached from its supporting bracket and, at the same time, is securely retained thereon.

A further object is to provide an improved curtain rod and supporting bracket which does not necessitate the mounting of the bracket in a predetermined relation to the rod, that is, the bracket may be reversed without effecting the engagement of the rod therewith.

Further objects, and objects pertaining to details and economies of construction and operation will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification. The invention is clearly defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is clearly illustrated in the accompanying drawing forming a part of this specification, in which:

Fig. I is an end view of a curtain fixture embodying the features of my invention.

Fig. II is a fragmentary plan view of the structure shown in Fig. I.

Fig. III is an enlarged detail section on a line corresponding to line 3—3 of Fig. I.

Fig. IV is an enlarged detail vertical section on a line corresponding to line 4—4 of Fig. I.

Fig. V is a detail vertical section on a line corresponding to line 5—5 of Fig. I.

Fig. VI is a plan view of the bracket shown in the flat.

In the drawing the sectional views are taken looking in the direction of the little arrows at the ends of the section lines and similar numerals of reference refer to similar parts throughout the several views.

Referring to the drawing, the curtain rod 1 is provided with an in-turned arm 2 adapted to be engaged with the bracket. This rod is of channel cross-section having in-turned edges 3. In practice these rods are formed up of sheet metal, the same being relatively thin. No attempt is made in the accompanying drawing to show the proper gauge.

I provide angled brackets 4 which are of sheet metal stampings comprising base portions 5 perforated at 6 to receive the attaching screws. The arms 7 project from the base plates being disposed at right angles thereto. These arms have longitudinal slots 8 extending from their outer ends forming a pair of fingers 9. These fingers are notched at 10 adjacent their outer ends. The ends of the fingers frictionally engage the edges of the channel when the curtain rod is telescoped thereon.

One of the main advantages of the notches is to provide for the shellac which is loosened by the frictional engagement of the fingers with the rod member. These rod members 7 are dipped in shellac as a finish and when forced upon the bracket arms the shellac is loosened. The notches, however, permit it to fall away from the edges of the bracket fingers.

The slots are provided with enlargements 11 near the inner ends thereof, the enlargements providing keepers for the spring members 12 formed in the body of the rod members. The rod members have longitudinal slots 13 spaced to provide the spring tongues 14 which are struck inwardly to provide central humps or engaging portions 12. When the rod member is slipped upon the arm these parts 12 snap into the keepers thereby effectively retaining the parts in assembled relation. The spring fingers being in frictional engagement with the sides of the channel the rod members are supported quite rigidly and without sagging.

My improved fixture is very simple and economical to produce and is very convenient to mount, especially in the manner of attaching the brackets as they may be disposed with the plates in either the inside or the outside of the arms. The rod member may be very quickly engaged therewith and, as stated, is very secure when engaged.

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

1. In a curtain rod fixture, the combination of a wall bracket comprising a flat

outwardly projecting arm having a longitudinal slot open at its outer end providing a pair of fingers, the outer edges of said fingers being notched adjacent the ends thereof, said slot having an enlargement adjacent the inner end thereof, and a curtain rod member of channel cross section having in-turned flanges adapted to telescope with said bracket arm with the fingers thereof in frictional engagement with the sides of the channel, the body portion of said rod member having spaced longitudinal slots therein having an inwardly projecting hump formed centrally therein engaging the said enlargement of said slot.

2. In a curtain rod fixture, the combination of a wall bracket comprising a flat outwardly projecting arm having a longitudinal slot open at its outer end providing a pair of fingers, the outer edges of said fingers being notched adjacent the ends thereof, said slot having an enlargement adjacent the inner end thereof, and a curtain rod member of channel cross-section having inturned flanges adapted to telescope with said bracket arm with the fingers thereof in frictional engagement with the sides of the channel, the body portion of said rod member having a spring struck inwardly therefrom engaging the said enlargement of said slot.

3. The combination in a curtain fixture, of a wall bracket comprising a flat outwardly projecting arm having a longitudinal slot open at its outer end providing a pair of fingers and having an enlargement adjacent the inner end of the slot, and a curtain rod member of channel cross section having in-turned flanges adapted to telescope with said bracket arm, the body portion of said rod member having spaced longitudinal slots therein, the portion between the slots being struck inwardly providing a spring member engaging said enlargement in said slot.

4. The combination in a curtain fixture, of a wall bracket comprising a flat outwardly projecting arm having a longitudinal slot open at its outer end providing a pair of fingers and having an enlargement adjacent the inner end of the slot, and a curtain rod member of channel cross section having inturned flanges adapted to telescope with said bracket arm, the body portion of said rod member having a spring struck inwardly therefrom engaging said enlargement in said slot.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

THADDEUS S. WAIT. [L. S.]

Witnesses:
JAY G. WAIT,
J. PAUL WAIT.