Sept. 22, 1925. 1,554,212

J. N. HENRY

CURTAIN ROD AND BRACKET

Filed Feb. 19, 1925

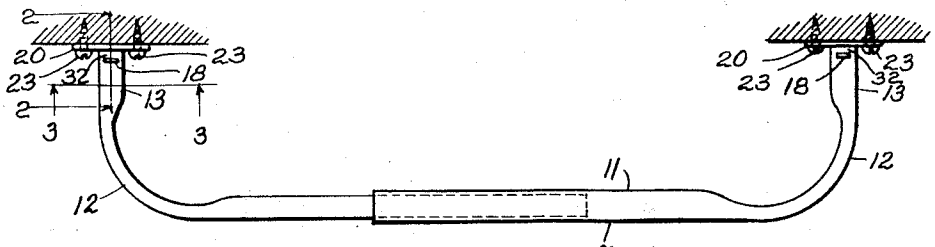


Fig. 1

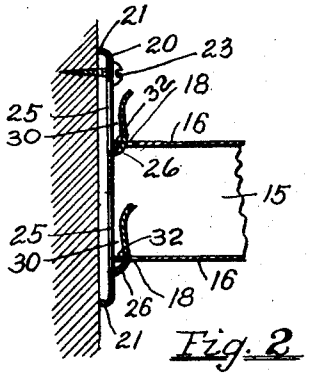


Fig. 2

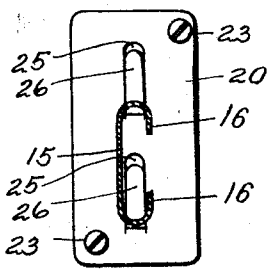


Fig. 3

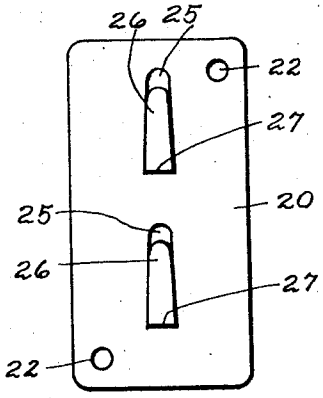


Fig. 4

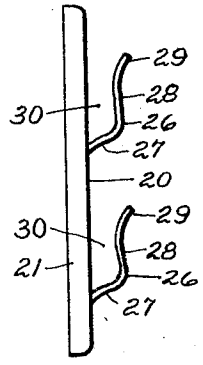


Fig. 5

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UNITED STATES PATENT OFFICE.

JAMES N. HENRY, OF PROVIDENCE, RHODE ISLAND.

CURTAIN ROD AND BRACKET.

Application filed February 19, 1925. Serial No. 10,170.

To all whom it may concern:

Be it known that I, JAMES N. HENRY, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Curtain Rods and Brackets, of which the following is a specification.

My invention relates to curtain fixtures wherein the rod, whether telescoping or non-telescoping, has oppositey disposed top and bottom longitudinal flanges, and inwardly bent ends; and wherein the brackets are detachably engaged therewith.

The essential objects of my invention are to distribute the strain upon the rod adjacent the bracket as well as strain upon the brackets; to facilitate the interengagement of the rod with the bracket, to prevent rattling; and to enable inexpensive construction.

To the above ends essentially my invention consists in the means for producing the results above specified substantially as hereinafter claimed.

In the accompanying drawings illustrating the principle of this invention, and constituting a part of this specification—

Figure 1 is a plan view of a curtain rod and bracket embodying my invention,

Figures 2 and 3, enlarged sections on lines 2—2 and 3—3 respectively of Figure 1, and

Figures 4 and 5, enlarged front and side elevations respectively of a bracket.

Similar reference characters indicate similar parts throughout the views.

In the form of my invention herein illustrated the rod 7 is composed of telescoping sections, but the rod may be in one piece if desired. The body portion 11 has rearwardly curved portions 12 at each end terminating in straight end portions or arms 13 at right angles to the body portion. In detail the rod comprises a broad intermediate portion 15 and longitudinally oppositely disposed transversely U shaped flanges 16 upon its top and bottom throughout its length. Both the upper and lower flanges have slots or openings 18 slightly spaced from both extremities of the rod.

Each bracket comprises an attaching plate 20 having in this case a rearwardly directed peripheral bearing flange 21 and provided in opposite corners with perforations 22 for the accommodation of attaching screws 23. Midway its width, at points in vertical alignment with each other, on each plate, the material is cut leaving openings 25 and forming upwardly directed resilient tongues or prongs 26. The prongs have outwardly directed base portions 27 and upright shank portions 28 and outwardly directed tip portions 29. The portions 28 are as close or closer to the plate 20 than are the other portions of the prongs, and thus form throats 30.

In applying the curtain rod to the brackets the former initially has its ends abutting against the plates 20 with its respective flanges above the tips 29 of the tongues. The rod is then depressed, and the tongues pass upwardly through their respective perforations 18. The portions 32 of the flanges 16 between the perforations 18 and the ends of the rod are equal to or slightly longer than the width of the throats 30 so as to cause the prongs to slightly spring outwardly as the rod descends into engaged position against the bases 27. Thus the prongs act as clasps to snugly hold both the top and bottom of the rod in position, so that no rattling nor tilting is possible and the parts are securely held. Removal of the rod is effected only by a pronounced upward manual pressure of the rod.

I claim:—

1. In a curtain rod comprising a body and longitudinal U shaped flanges provided with perforations, an attaching plate, a plurality of resilient prongs each having an intermediate portion formed with a convex portion on the face adjacent the plate and arranged one above the other adapted to register in the perforations and to yieldingly clasp the flanges.

2. In a curtain rod comprising a body and inturned flanges provided with perforations near their ends, an attaching plate, a plurality of resilient prongs integral with the plate and disposed one above the other and registerable through the perforations, said prongs comprising outwardly directed bases, upright inwardly inclined shanks with convex portions spaced from the plate a less distance than the distance between the perforations and the ends of the rod, and outwardly directed tips.

3. As an improved article of manufacture,

a curtain rod bracket comprising an attaching plate provided with holes for attaching screws and with a peripheral flange, and resilient upturned prongs arranged one above the other each with an outwardly-directed lower portion, an intermediate portion convex on the face nearest the plate, and an outturned tip said prongs being formed upon the plate with resultant openings in the plate.

In testimony whereof I have affixed my signature.

JAMES N. HENRY.