F. LA O. LATHROP & G. T. S. SPOKES.

CURTAIN ROD AND ATTACHMENT.

APPLICATION FILED JAN. 24, 1911.

1,026,042. Patented May 14, 1912.

Fig. 1.

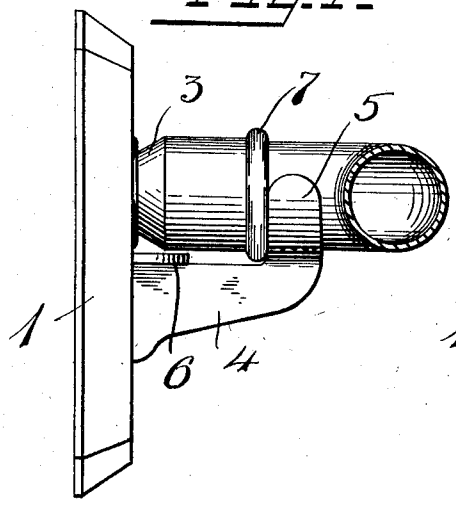


Fig. 2.

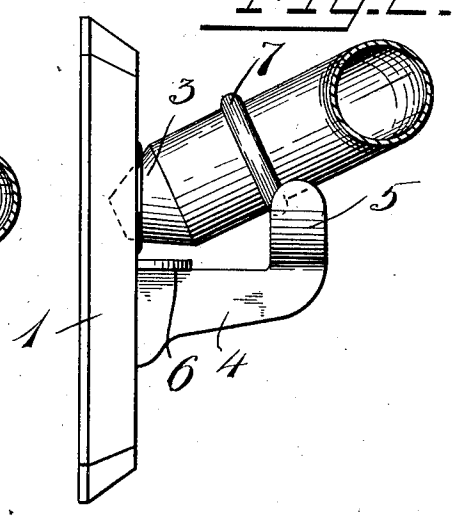


Fig. 3.

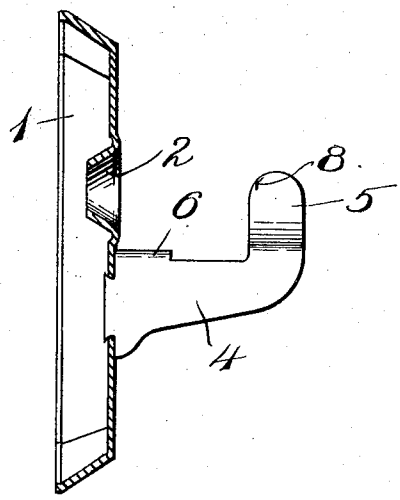
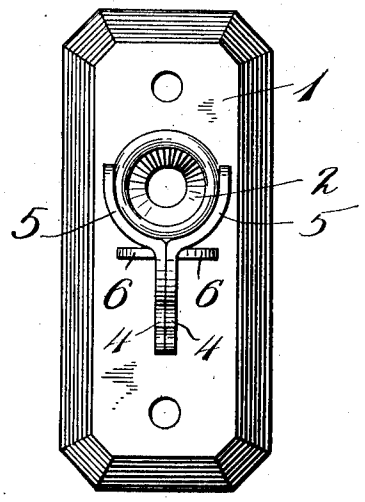


Fig. 4.



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UNITED STATES PATENT OFFICE.

FRANK LA OTIS LATHROP AND GEORGE T. S. SPOKES, OF WALLINGFORD, CONNECTICUT, ASSIGNORS TO H. L. JUDD COMPANY, OF WALLINGFORD, CONNECTICUT, A CORPORATION OF NEW YORK.

CURTAIN-ROD AND ATTACHMENT.

1,026,042. Specification of Letters Patent. **Patented May 14, 1912.**

Application filed January 24, 1911. Serial No. 604,313.

To all whom it may concern:

Be it known that we, FRANK LA OTIS LATHROP and GEORGE T. S. SPOKES, citizens of the United States, residing at Wallingford, county of New Haven, State of Connecticut, have invented certain new and useful Improvements in Curtain-Rods and Attachments, of which the following is a full, clear, and exact description.

Our invention relates to improvements in curtain rods and attachment, and is concerned particularly with supports adapted for holding rods having supported ends bent at an angle, usually a right angle, to the body of the rod.

The object of the invention is to provide a simple and durable construction and one upon which the rod may readily be securely mounted without the use of extraneous attaching devices.

With these objects in view, the invention consists in the construction and arrangement of parts, a preferred embodiment of which is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the rod support showing the end of the rod seated therein. Fig. 2 is a view similar to Fig. 1, showing the end of the rod in the position assumed relatively to the support just before it is finally seated therein. Fig. 3 is a sectional view through the base of the support and showing the manner of securing the supporting bracket thereto. Fig. 4 is a front elevation of the support.

In the embodiment of our invention herein selected for illustration, 1 indicates the base of the support, which may be stamped up of sheet metal, cast or formed in any other desired manner. In the face of the base a socket 2 is spun in, which socket is cone-shaped, as shown, to receive the correspondingly preferably cone-shaped end 3 of the rod. While we have shown these portions of cone shape, it is obvious that they may be of any other desired conformation, provided the shape is such as to hold the end of the rod in the socket as it is snapped from the position shown in Fig. 2 to the position shown in Fig. 1. Attached to the base 1, preferably by riveting, is a supporting bracket comprising arms 4 preferably stamped up of sheet metal, each arm having at its outer end an arc-shaped portion 5, which provide a spring hold for the end of the rod. At the base of the bracket arms are formed lateral wings 6, which serve to strengthen the bracket against lateral movement on the base, and also form a small guide surface to guide the end of the rod readily into the socket 2. Upon the end of the rod is formed an annular rib 7, spaced from the extremity of the rod end a distance sufficient to cause the fingers 5 of the bracket to force and hold the cone-shaped end of the rod snugly in the socket 2. The inner sides of the fingers 5 are rounded at 8, in order that the rib 7 may slip readily within the same, and these fingers are formed of more or less spring metal, in order that the rod may be snapped into place by a spring action.

In using the device, a curtain rod, usually in two telescoping sections adjusted to the proper length to cause the bent ends to register with the opposite supports, the cone, or other shaped extremities of the bent ends, are then inserted in the sockets 2 with the ends extending upwardly at an angle with the annular ribs or rings 7 resting on the curved inner sides of the fingers 5. The straight portion of the rod is then depressed, whereupon the ends will fulcrum in the sockets 2 the upper portions of which sockets present substantially stop shoulders for the ends of the rods and the ribs 7 will snap in behind the fingers 5. To remove the rod, it is simply necessary to raise the straight body portion, thus drawing the ribs 7 out from behind the fingers 5. By this construction it will be seen that the weight of the rod and the curtains supported thereby is borne, to a large extent, directly by the base of the bracket engaged by the cone-shaped ends, and the downward thrust of the weight of the curtains has a component directly against the face of the base through the bracket.

While we have herein described the particular embodiment of our invention, it is to be understood that the same may be altered in details and arrangement of parts within the scope of the appended claims.

What we claim is:

1. A curtain rod and attachment comprising a base having a socket to receive the extremity of the rod, a bracket extending from said base and having upwardly extend-

ing fingers adapted to embrace the rod, and means on said rod arranged to be snapped behind said fingers whereby said rod may be securely held and supported in said socket.

2. A curtain rod and attachment, comprising a base having a socket in the face thereof, a bracket extending upwardly from a point adjacent said socket, in combination with a rod having an extremity formed to fit said socket, said bracket having fingers adapted to embrace the rod, said rod having a projection arranged to be snapped behind said fingers when said rod is forced into place to hold said rod in position in said socket.

3. A curtain rod and attachment comprising a base having a cone-shaped recess, a rod having an extremity to fit said recess, a bracket extending from said base and having fingers adapted to embrace the rod, said rod having an annular rib near its end arranged to be snapped behind said fingers whereby said fingers will hold said rod in said socket.

4. A curtain rod and attachment comprising a base, a socket formed in the face thereof, a bracket extending from said base adjacent said socket and having a guiding portion adjacent the base and also having supporting fingers spaced from said base, in combination with a rod having its extremity formed substantially to fit said socket and having a shoulder formed near the extremity whereby the end of said rod may be positioned in said socket and said shoulder snapped behind said supporting fingers to hold the rod in position.

5. A curtain rod device consisting of a pair of supports, each comprising a base having a socket formed in the face thereof, a bracket extending from said base adjacent said socket and having spring supporting fingers spaced from said base, in combination with a rod having ends bent at an angle to the body thereof, each end formed to fit the socket of its support, said ends each having a shoulder formed near the extremity whereby the ends of said rod may be positioned in said sockets and said shoulders snapped behind the supporting fingers of the adjacent bracket by depressing the body of the rod.

6. A curtain rod and attachment comprising a base having a rest to engage the extremity of the rod upon which said extremity may fulcrum, a bracket extending from said base and having upwardly extending fingers adapted to embrace the rod, and means on said rod arranged to snap behind said fingers whereby said rod may be securely held and supported in said bracket.

7. A curtain rod and attachment comprising a base, a stop shoulder at the face thereof, a bracket extending from said face adjacent said shoulder and having supporting fingers spaced from said face in combination with the rod having its extremity adapted to engage said stop shoulder, and having a shoulder formed near the extremity whereby the end of the rod may be fulcrumed on said stop shoulder, and snapped behind said supporting fingers to hold the rod in position.

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