Dec. 8, 1925. 1,564,747

E. J. BARRETT

SUPPORT AND LOCK DEVICE FOR CURTAIN POLES

Filed April 30, 1923

Fig. 1.

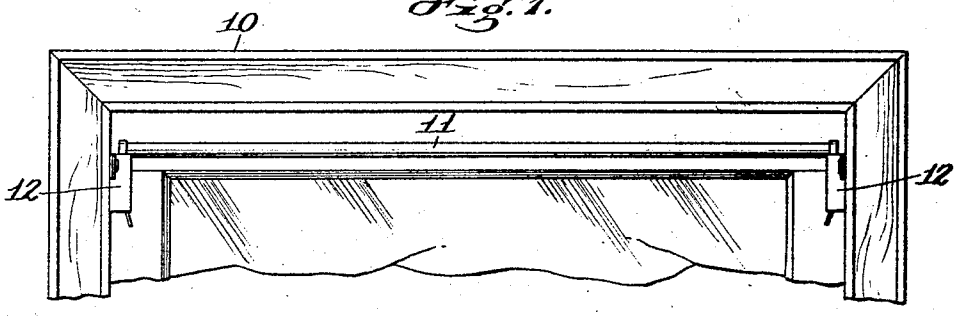


Fig. 2.

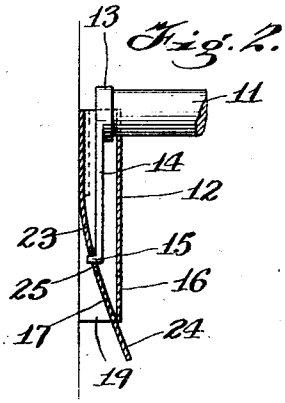


Fig. 3.

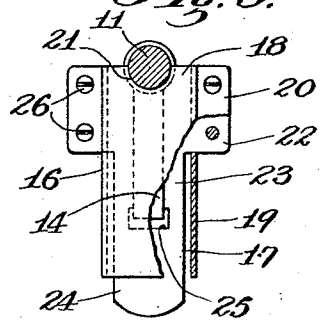


Fig. 4.

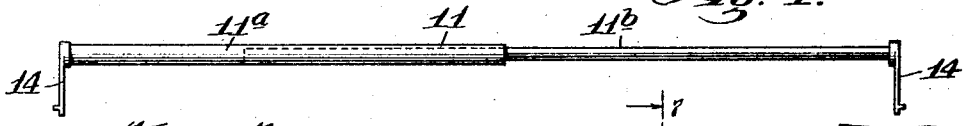


Fig. 5.

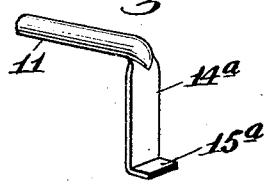


Fig. 6.

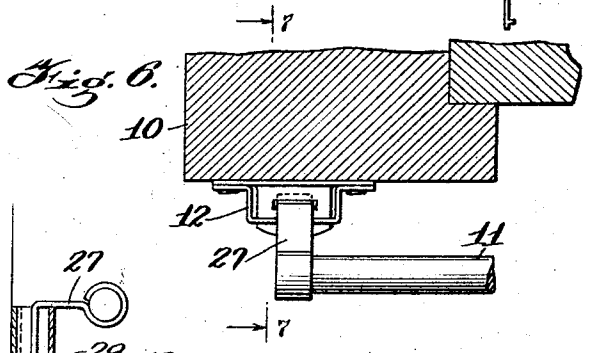
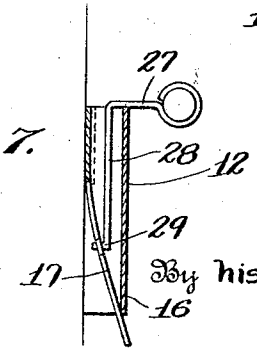


Fig. 7.



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UNITED STATES PATENT OFFICE.

EDWARD J. BARRETT, OF NEW YORK, N. Y.

SUPPORT AND LOCK DEVICE FOR CURTAIN POLES.

Application filed April 30, 1923. Serial No. 635,442.

To all whom it may concern:

Be it known that I, EDWARD J. BARRETT, a citizen of the United States, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Support and Lock Devices for Curtain Poles, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to curtain poles, rods and the like and particularly to means for supporting the end portions of such poles or rods in connection with suitable supports and for locking the end portions of said rods against accidental displacement from the supports, and yet permitting of the quick attachment and detachment of the rods or poles at will; and the object of the invention is to provide a support and lock device of the class specified, which is simple in construction, efficient in use and which is constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Fig. 1 is an inside view of the top portion of a window frame showing a curtain rod, and my improved means for supporting the same.

Fig. 2 is a transverse sectional view through one of the supporting devices shown in Fig. 1, and showing one end portion of the curtain pole mounted therein, and on an enlarged scale.

Fig. 3 is a face view of the construction shown in Fig. 2 with part of the construction broken away.

Fig. 4 is a detail view of a telescoping curtain rod made according to my invention.

Fig. 5 is a perspective view of one end portion of a curtain rod showing a modified form of construction.

Fig. 6 is a transverse sectional view through a window frame showing a modified form of construction; and,

Fig. 7 is a partial section on the line 7—7 of Fig. 6.

In Figs. 1 to 3 inclusive, I have shown one form of construction for carrying my invention into effect, and in Fig. 1, I have indicated at 10 the top portion of a window frame, at 11 a curtain pole and at 12 two of my improved supporting and retaining members.

In the construction shown in Figs. 1 to 3 inclusive, the curtain pole 11 or the end portions thereof are provided with caps 13 having radially extending arms 14, offset at their ends as shown at 15. The supporting and retaining members 12 are composed of two parts, namely a casing 16 and a spring 17. The casing 16 is preferably formed from sheet metal and comprises a front wall 18, side walls 19 having laterally directed flanges 20 at the top portion thereof, and the front wall 18 is provided at the top thereof with an arc-shape or semi-circular recess 21 to receive and support the curtain pole or rod 11. The spring 17 is provided with an enlarged head 22 to correspond with the flanged portion of the casing 16, and the shank 23 of the spring is bent outwardly as shown in Fig. 2 and projects from the bottom of the casing 16 to form a finger piece 24, and the shank 23 is provided with an aperture 25 in connection with which the projection or offset portion 15 on the rim 14 is adapted to operate.

It will be understood that both of the supports and retaining devices 12 are of the same construction, and the screws or other attaching devices 26 which are passed through the flanges of the casing 16 also pass through the enlarged head portion 22 of the spring 17.

In the use of the device and after the separate members 12 have been secured in position as shown in Fig. 1, the rod or pole 11 may be supported and locked in position by passing the arms 14 downwardly into the separate casings 16, in which operation the projections 15 pass over the spring 17 or the shanks 23 thereof and are automatically locked in position by the passage of the members 15 into the apertures 25. In removing the pole or rod 11, the projecting end portions or finger portions 24 of the springs are pressed inwardly to disengage the springs from the members 15, and in this way a curtain pole or rod may be quickly and easily attached and detached at will, and when attached, the pole or rod is locked against accidental displacement. In Fig. 4 of the drawing, I have shown a slight modification,

in which the pole or rod 11 is composed of telescoping parts 11^a and 11^b, whereby the pole or rod may be adapted to windows, doors or other supports of different sizes within predetermined limits.

In Figs. 1 to 4 inclusive, I have shown the arms 14 as mounted on the rod 7 by caps attached to said curtain pole or rod, and in Fig. 5 of the drawing, I have shown one end portion of a curtain pole or rod provided with an integral arm 14^a fashioned from the material of the rod or pole, and the end portion of the arm being provided with an offset or flanged portion 15^a, and it will be understood that the arm 14^a may be formed integral with a slide or tubular metal rod or pole.

In Figs. 6 and 7 of the drawing, I have shown another modification, in which the supporting and retaining devices 12 are mounted in connection with or secured to the face of a window frame instead of as shown in Fig. 1 of the drawing, and in this construction the pole or rod 11 will be provided with substantially L-shaped brackets 27 at the end portions thereof, and the locks or parts 28 of said brackets are provided at their free ends with projections 29 similar to the projections 15 and 15^a, and which are adapted to cooperate with the spring 17 to lock and retain the brackets 27 in the members 12, and the reason for the angular or L-shaped structure of the brackets is to offset the pole 11 from the face of the window frame or other support, and this offset may be of any degree to suit the desired conditions, and it will also be apparent that the brackets 27 may, if desired, be made integral with the rod or pole 11 or may be detachably mounted or secured thereto.

The distinctive and novel feature of applicant's invention consists in the provision of a support and retaining device for curtain poles of various kinds and classes including drapery poles and the like, and the provision of means mounted in or formed integral with the pole or rod for cooperation with the support and retaining device or devices for supporting and locking a pole or rod in connection therewith to prevent the accidental displacement of such pole or rod, and to avoid the objections to similar poles or rods now in use, and while I have shown certain details of construction for carrying my invention into effect, it will be apparent that I am not necessarily limited to these details and various changes in and modifications of the construction herein shown and described may be made within the scope of the appended claims without departing from the spirit of my invention or sacrificing its advantages.

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

1. A device of the class described comprising a casing, a spring mounted in said casing, and a part on a rod adapted to be passed into said casing and to engage said spring, and retained against accidental displacement from said casing by said spring, said part being provided with an offset portion, and said spring with an aperture into which the offset portion is adapted to pass.

2. A device of the class described comprising a casing, a spring mounted in said casing, and a part on a rod adapted to be passed into said casing and to engage said spring, and retained against accidental displacement from said casing by said spring, said part being provided with an offset portion, and said spring with an aperture into which the offset portion is adapted to pass, and said spring projecting through said casing to permit of the disengagement of said spring from said part.

3. A device of the class described comprising a casing, a spring mounted in said casing, and a part on a rod adapted to be passed into said casing and to engage said spring, and retained against accidental displacement from said casing by said spring, said part being provided with an offset portion and said spring with an aperture into which the offset portion is adapted to pass, said spring projecting through said casing to permit of the disengagement of said spring from said part, and said casing being recessed to support said rod.

4. A device of the class described comprising a casing, a spring mounted in said casing, and a part on a rod adapted to be passed into said casing and to engage said spring, and retained against accidental displacement from said casing by said spring, said part being provided with an offset portion, and said spring with an aperture into which the offset portion is adapted to pass, said spring projecting through said casing to permit of the disengagement of said spring from said part, and said casing being recessed to support said rod, and means passed through said casing and spring for securing the same to a suitable support.

5. A device of the class described comprising a casing, a spring mounted in said casing, a curtain pole having a part adapted to be inserted into said casing and to cooperate with said spring for locking said rod against displacement from said casing, and said spring projecting through the casing to permit the movement thereof into position to release said rod.

6. A device of the class described comprising a casing, a spring in said casing, said casing being apertured to receive a projecting arm on the end portion of a curtain rod, and means on said arm and the spring in said casing for locking the curtain rod against displacement from said casing.

7. A device of the class described comprising a casing, a spring in said casing, said casing being apertured to receive a projecting arm on the end portion of a curtain rod, means on said arm and the spring in said casing for locking the curtain rod against displacement from said casing, and means whereby said spring may be moved into position to disengage the curtain rod from said casing.

In testimony that I claim the foregoing as my invention I have signed my name this 27th day of April, 1923.

EDWARD J. BARRETT.