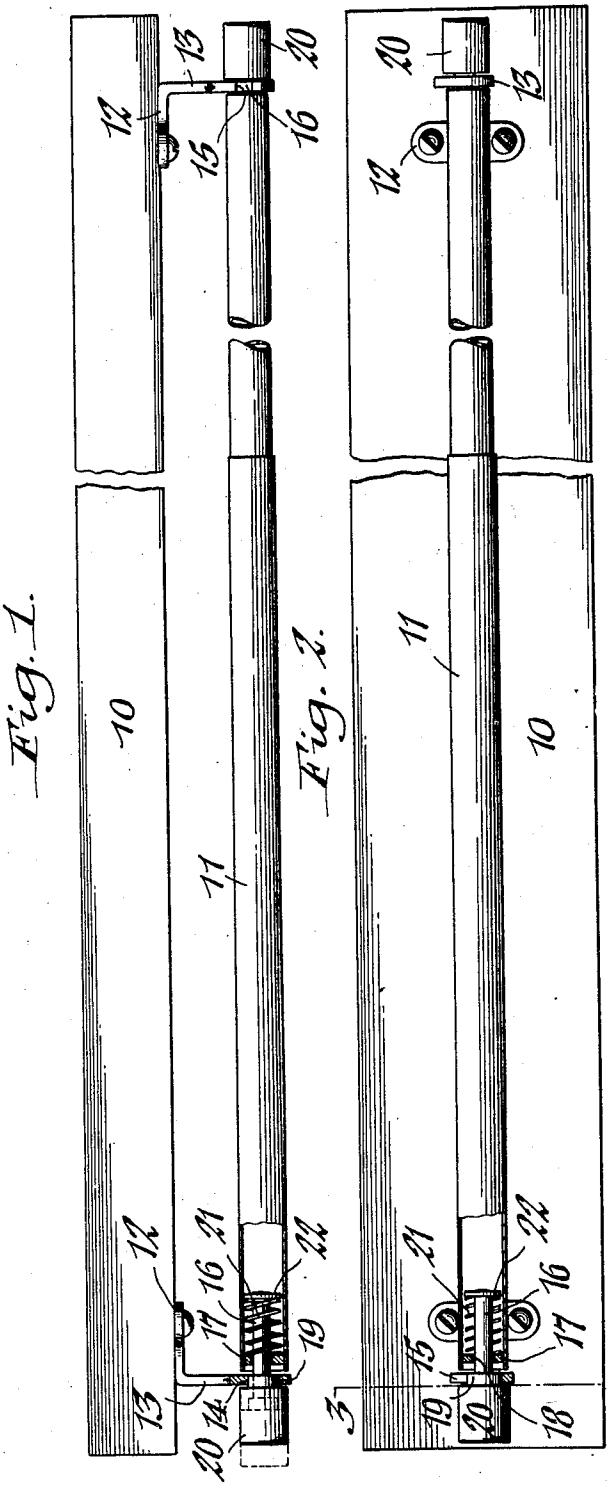
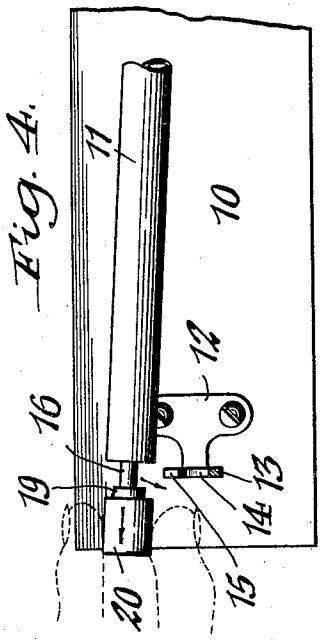
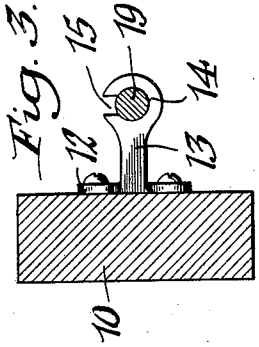
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CURTAIN ROD

Filed June 28, 1928







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UNITED STATES PATENT OFFICE

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CURTAIN ROD

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This invention relates to improvements in curtain rods.

Its chief object is to provide a simple and inexpensive rod having self-contained latching means thereon for effecting the ready application and removal of the rod to and from the window brackets and thereby avoid accidental loss or misplacement of any of its parts.

Another object of the invention is to so construct the attaching ends of the rod that the same will be held firmly and securely against displacement in all directions.

In the accompanying drawings:—

Figure 1 is a sectional top plan view of my improved rod. Figure 2 is a sectional front view thereof. Figure 3 is a cross-section on line 3—3, Figure 2. Figure 4 is a fragmentary front view showing one end of the rod about to be applied to the window bracket.

Similar characters of reference indicate corresponding parts throughout the several views.

Referring now to the drawings, 10 indicates the top strip of a window to which the curtain rod 11, which may be of the extensible type as shown, is attached by brackets 12, each including an attaching flange and a forwardly-facing rod-engaging flange 13. The latter contains a circular opening 14 and a notch 15 in its top edge communicating with such opening but of slightly narrower width than the diameter thereof.

Mounted within the ends of the tubular rod 11 for longitudinal sliding movement relative thereto are latch-like elements or fastening bolts 16 which are adapted to detachably interlock with the openings 14 in the corresponding brackets 12 for supporting the rod thereon and preventing endwise as well as lateral and vertical displacement thereof. Secured by a pressed fit, or otherwise, in each end of the rod is a disk or plug 17 having an opening 18 therein for receiving the inner or shank end of the respective fastening bolt for guiding it axially of the rod, such shank being of a diameter to pass freely through the releasing notch 15 of the bracket-opening 14 during the act of installing and removing the rod. The outer end of the bolt-shank terminates in a collar or circular enlargement 19 which is adapted to engage the bracket opening in the manner shown in Figures 1, 2 and 3, and beyond this collar is a knob or finger piece 20 for manipulating the bolt.

Surrounding the inner portion of the bolt-shank within the rod 11 is a coil spring 21 which bears at one end against a washer 22 and at its other end against the plug 17. This spring constantly tends to urge the bolt inwardly and normally holds its collar in locking engagement with the bracket-opening 14 to support the rod reliably in place. In addition to this function, both springs act to urge the rod-sections outwardly relatively to each other into engagement with the bracket-flanges 13.

In applying the rod, one end is interlocked with its bracket 12 after which the other end is similarly joined with its bracket. The interlocking of the parts is effected by grasping the knob 20 of the locking bolt 16 and pulling it outwardly to the position shown in Figure 4, wherein the shank of the bolt is positioned directly above and in line with the receiving notch 15 of the bracket-opening 14. The rod is now lowered to bring the bolt-shank in register with said opening, after which the knob is released, the spring 21 forcing the bolt inwardly and bringing its collar 19 into interlocking engagement with the opening 14, as shown in Figures 1, 2 and 3. In this position, the rod is firmly held against both lateral and vertical displacement relative to the supporting brackets 12, and the tubular telescopic sections of the rod are constantly urged outwardly or in opposite directions into abutting engagement with the inner sides of the brackets, thereby holding the rod against endwise slippage relative to the latter.

While manifestly simple and compact in construction, this improved curtain rod can be installed and removed in a minimum period of time, its latching parts are made a permanent part of the rod so that danger of their loss is eliminated, and the same is neat in appearance.

I claim as my invention:—

1. In a curtain fixture, a bracket adapted for attachment to a window casing and having a locking notch therein, and a curtain rod having a longitudinally-movable, yieldingly-restrained latching element at its end engagable with said locking notch.

2. In a curtain fixture, a bracket adapted for attachment to a window casing and having a locking notch therein having a contracted mouth, a curtain rod having a longitudinally-displacable latching element applied to its end for engagement with said locking notch, and a spring applied to said latching element for resisting movement thereof out of its latched position.

3. A curtain fixture, comprising a bracket adapted for attachment to a window casing and having a locking notch therein having a contracted mouth, a curtain rod, and a latching element applied to the end of said rod for movement lengthwise thereof, said latching element including a shank and a collar, the latter being arranged to engage the body of the locking notch of the bracket and the former being displaceable through the contracted mouth thereof to bring said collar into and out of its locking position.

4. A curtain fixture, comprising a bracket adapted for attachment to a window casing and having a locking notch therein having a contracted mouth, a curtain rod, and a spring-pressed locking bolt fitted in the end of said rod, said bolt including a shank terminating at its outer end in an enlargement engageable with the body of said locking notch in the projected position of the bolt, said shank being displaceable through the contracted mouth of the notch in the retracted released position of the bolt.

5. A curtain fixture, comprising a bracket adapted for attachment to a window casing and including a forwardly-facing flange having a locking notch therein containing a contracted mouth, a curtain rod, and a locking bolt slidably fitted in the end of said rod for movement lengthwise thereof into and out of interlocking engagement with the bracket-notch, said bolt including a shank housed within the end of the rod and terminating beyond the end of the rod in an enlargement engageable with the body of said locking notch in the projected position of the bolt, said shank being displaceable through the contracted mouth of the notch in the released position of the bolt, a spring applied to the bolt-shank for urging the same to its projected, locked position, and an actuating knob arranged on the outer side of the bolt-shank enlargement and adapted to normally bear at its inner end against the bracket-flange.

MATTHEW J. BRUNNER.