July 19, 1932. A. ZIELINSKI 1,868,439

CURTAIN ROD

Filed July 5, 1924

Fig. 1.

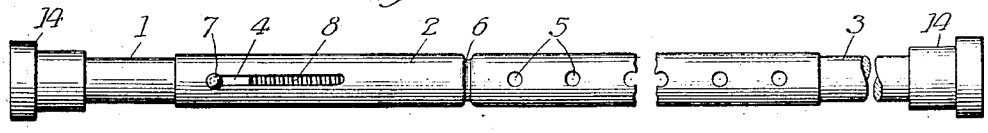


Fig. 2.

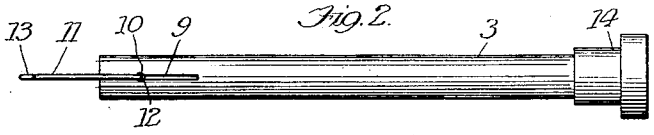
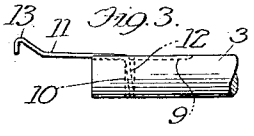


Fig. 3.



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UNITED STATES PATENT OFFICE

ALEX ZIELINSKI, OF MILWAUKEE, WISCONSIN

CURTAIN ROD

Application filed July 5, 1924. Serial No. 724,450.

This invention relates to a curtain rod.

The curtain rod to which the invention applies in particular is adjustable to window frames of different widths and is frictionally held in adjusted positions without the aid of screws or other fasteners.

An object of the invention is to provide a holder of this character which is freely extensible but firmly held against collapsing and which may be easily and readily applied to window frames of widely varying widths.

Another object of the invention is to provide a curtain rod which may be economically manufactured.

The invention is illustrated in the accompanying drawing in which the views are as follows:

Fig. 1 is a view of a curtain rod embodying the invention.

Fig. 2 is a view of one of the inner rods.

Fig. 3 is a detail view showing a catch for holding the rod of Fig. 1 extended.

The invention comprises, in general, three telescoping members 1, 2 and 3.

The central telescoping member 2 comprises a tube or casing having a longitudinal slot 4 formed near one end thereof.

A series of holes 5 are formed in the tube in line with the above mentioned slot, but spaced longitudinally therefrom. These holes 5 are equi-distantly spaced to permit of varied adjustment.

An annular depression is made in the tube between the slot 4 and the holes 5 to provide a shoulder 6 upon the inside thereof.

The member 1 has a headed pin 7 mounted near the end thereof which is in telescopic engagement with the member 2. This pin 7 projects through the slot 4 and is adapted to travel therein. The relative movement of members 1 and 2 is limited by the slot 4 and pin 7.

Within the tube 2 a spring 8 is mounted between the end of the rod 1 and the shoulder 6. This spring serves to hold the rod 1 in extended position with respect to the tube 2, the outward movement of the rod 1 being limited by the pin 7 in slot 4.

This arrangement permits of a slight alteration in the longitudinal length of the rod, which is necessary in applying the same to a frame.

The rod 3 is in telescopic engagement with the tube 2 at the other end thereof from the rod 1.

On the inner end of the rod 3 a groove 9 is located. A hole 10 extending transversely of the rod 3 connects with said groove 9. A catch 11 is adapted to be placed in this groove 9 and an offset end 12 of the said catch extends downwardly into the hole 10.

The other end of the catch 11 is formed with an upwardly projecting turned end 13.

The head 13 of the catch 11 is adapted to engage in and project through the various holes 5 in the tube 2.

Rubber or other suitable holding tabs 14 are mounted on the ends of rods 1 and 3.

In mounting the form just described, the rod 3 is pulled outwardly with respect to the tube 2 so as to disengage the head 13 of the catch from the hole 5.

This disengagement is possible because the upwardly inclined portion of the head 13 acts as a cam to depress the catch 11.

When the head 13 is thus disengaged, the rod 3 is rotated with respect to the tube 2 until the catch 11 is out of alinement with the series of holes 5.

When in this position, the rod 3 may be either extended or pushed in with respect to the tube 2. When the desired position has been obtained, the rod 3 is again rotated in a counter-direction until the head 13 of the catch 11 snaps into the desired hole 5. The rod is then ready to be placed in the window frame.

A slight amount of adjustment is obtained by the sliding movement of the rod 1 within the tube 2 against the force of the spring 8.

This movement permits of the necessary change in length of the curtain rod for placing the same in the window frame.

In practice, it has been found convenient to place the cap member 14 on the rod 1 against the frame of the door or window in the position desired, press inwardly on the tube 2, thus compressing the spring 8, move the entire rod

into a horizontal position, and release the inward pressure on the rod 2.

The spring 8 will then force the rod 1 outwardly with respect to the tube 2 until the pin 7 has reached the limit of the slot 4.

The rod will then be securely mounted within the window frame.

In the appended claims the terms "casing" and "rod" are to be used interchangeably wherever applicable.

The invention is susceptible of various modifications and forms within the spirit of the invention and the scope of the appended claims.

What I claim is:

1. An adjustable curtain rod comprising a tubular casing having therein a longitudinal slot and a series of apertures, a rod arranged in one end of said casing, a spring arranged in said casing and tending to force said rod outwardly, a pin fixed in said rod and extending through said slot to limit the outward movement of said rod, a second rod arranged in the other end of said casing and having a longitudinal groove and a transverse bore, a catch arranged in said groove and said bore and having a cam faced head to engage any one of said apertures and hold said rod against movement inwardly of said casing but permitting said rod to be drawn outwardly of said casing, and an abutment arranged upon the outer end of each rod.

2. An adjustable curtain rod comprising a tubular casing having a series of apertures therein and a depression forming an annular shoulder on the inside thereof, a rod arranged in one end of said casing, a spring arranged in said casing between said rod and said shoulder to force said rod outwardly, means to limit the outward movement of said rod, a second rod arranged in the other end of said casing, a catch attached to the inner end of said rod and having a cam faced head to engage any one of said apertures and hold said rod against movement inwardly of said casing but permitting said rod to be moved outwardly of said casing, and an abutment arranged upon the outer end of each rod.

3. An adjustable curtain rod comprising a tubular casing having a series of apertures therein and a depression forming an annular shoulder on the inside thereof, a rod arranged in one end of said casing, a spring arranged in said casing between said rod and said shoulder to force said rod outwardly, means to limit the outward movement of said rod, a second rod arranged in the other end of said casing and having a longitudinal groove and a transverse bore, a catch arranged in said groove and said bore and having a cam faced head to engage any one of said apertures and hold said rod against movement inwardly of said casing but permitting said rod to be drawn outwardly of said casing, and an abutment arranged upon the outer end of each rod.

4. An adjustable curtain rod comprising a tubular casing having a series of apertures therein, a rod arranged in one end of said casing, a spring arranged in said casing and tending to force said rod outwardly, means to limit the outward movement of said rod, a second rod arranged in the other end of said casing and having a longitudinal groove and a transverse bore, a catch arranged in said groove and said bore and having a cam faced head to engage any one of said apertures and hold said rod against movement inwardly of said casing but permitting said rod to be moved outwardly of said casing, and an abutment arranged upon the outer end of each rod.

5. An adjustable curtain rod comprising a tubular casing having a series of apertures therein and a depression forming an annular shoulder on the inside thereof, a rod arranged in one end of said casing, a spring arranged in said casing between said rod and said shoulder to force said rod outwardly, means to limit the outward movement of said rod, a second rod arranged in the other end of said casing and having a longitudinal groove and a transverse bore, a catch arranged in said groove and said bore, and having a cam faced head to engage any one of said apertures and hold said rod against movement inwardly of said casing but permitting said rod to be moved outwardly of said casing, and an abutment arranged upon the outer end of each rod.

In witness whereof, I have hereunto subscribed my name.

ALEX ZIELINSKI.