

B. W. CODDINGTON.
CURTAIN FIXTURE.
APPLICATION FILED SEPT. 25, 1908.

942,439.

Patented Dec. 7, 1909.
2 SHEETS—SHEET 1.

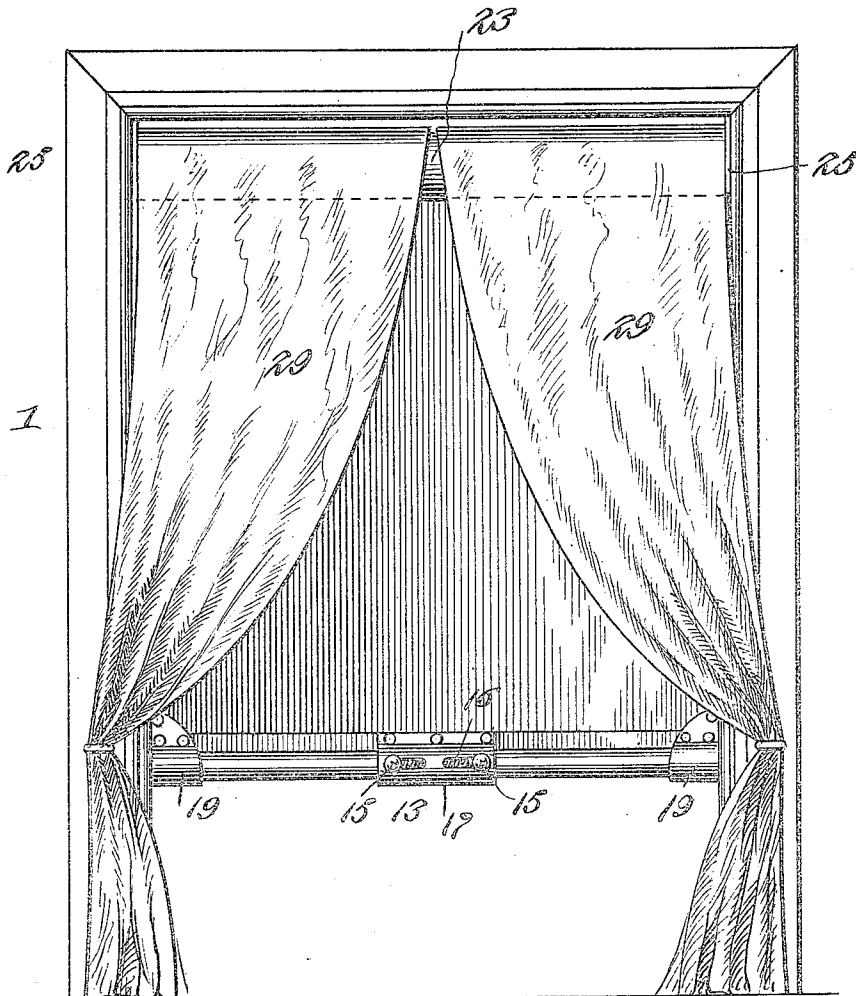


Fig 1.

Witnesses

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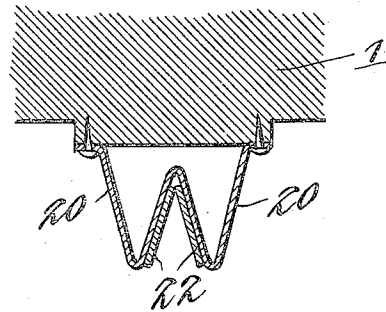
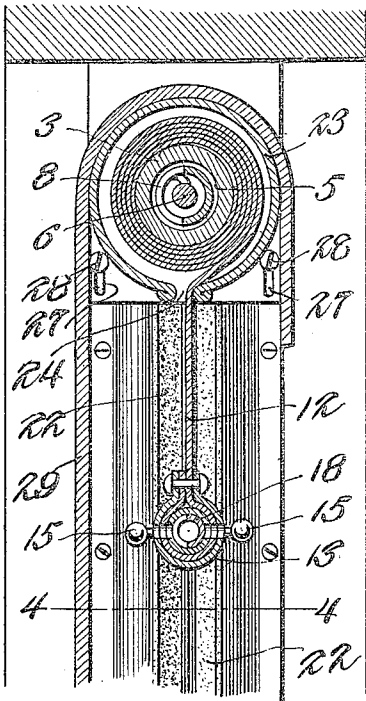
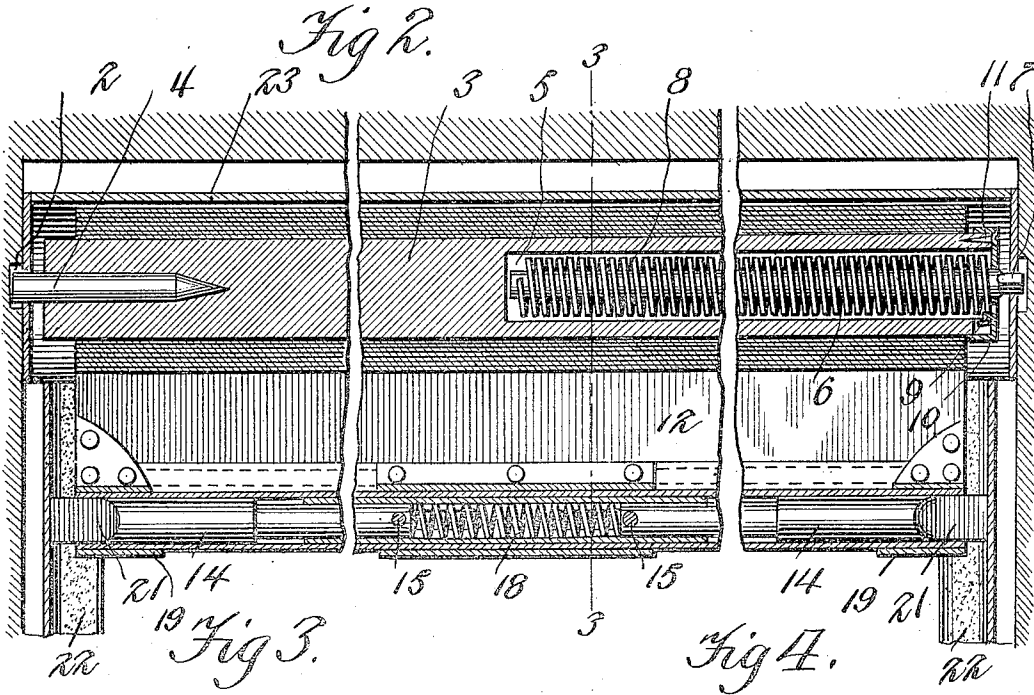
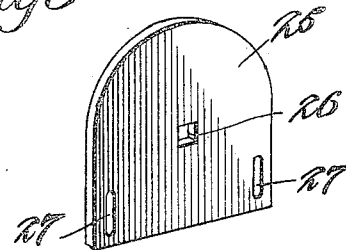


Fig 5



Witnesses

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UNITED STATES PATENT OFFICE.

BEACH W. CODDINGTON, OF COLON, MICHIGAN.

CURTAIN-FIXTURE.

942,439.

Specification of Letters Patent.

Patented Dec. 7, 1909.

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To all whom it may concern:

Be it known that I, BEACH W. CODDINGTON, a citizen of the United States, residing at Colon, in the county of St. Joseph and State of Michigan, have invented new and useful Improvements in Curtain-Fixtures, of which the following is a specification.

This invention relates to improved curtain fixtures, and the object of the invention is to provide a comparatively simple, cheap and effective device which may be quickly and readily applied to a window or door opening, which is provided with means for securely retaining the curtain at any desired height and which is provided with guide ways having a belt or other lining which serves as an effective means for excluding drafts or air when the curtain is pulled completely down to form a closure for the opening to which it is applied.

Another object of the invention is to provide a hood for the curtain and pole having end plates provided with elongated openings adapted for the reception of retaining elements and whereby the hood may be raised to securely force portières or other draperies between the top of the hood and the upper horizontal portion of the opening.

With these and other objects in view, which will appear as the nature of the invention is more fully understood, the invention resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a front elevation of a door casing showing the improvement in applied position thereon. Fig. 2 is a central longitudinal sectional view through the casing and the improvement applied thereto. Fig. 3 is a vertical transverse sectional view upon the line 3-3 of Fig. 2, showing the hood in its lowered position and a portière in applied position upon the hood and ready to be engaged between the hood and the top bar of the casing. Fig. 4 is a transverse sectional view upon the line 4-4 of Fig. 3. Fig. 5 is a detail perspective view of one of the end plates of the casing.

In the accompanying drawings the numeral 1 designates an ordinary door casing. The casing 1 has the upper portion of its vertical strips provided with parallel openings or recesses 2, the purpose of which will be hereinafter fully set forth.

The numeral 3 designates the improved curtain roller. This roll 3 is preferably constructed of wood into one end of which is driven a rounded pin 4, while the other end is provided with a longitudinally extending bore 5. This bore 5 is adapted for the reception of a rod 6 having a squared end 7 protruding outwardly from the bore. Secured to the inner end of the rod 6 is a helical spring 8, while the outer end of this spring is secured to an inturned lip or portion 9 provided upon a cap 10. The cap 10 is adapted to fit snugly over the end of the roller provided with the bore 5 and to be securely retained thereon through the medium of the screws or other suitable elements designated by the numeral 11, and the cover is also provided with a centrally arranged aperture through which the squared portion 7 of the rod 6 projects.

The numeral 12 designates an ordinary curtain secured upon the roller 3 in the usual manner. The curtain 12 has its lower end provided with a metallic tubular member 13. This tubular member 13 extends the entire width of the curtain and is adapted for the reception of a pair of locking rods 14. The inner ends of the locking rods are provided with suitable finger holds 15 adapted to project through suitable openings 16 provided by the tube 13 and a central reinforcing member 17. Interposed between the inner ends of the locking bars 14 is a helical spring 18, which tends to force the ends of the rods outward through the tube 13 beyond the vertical edges of the curtain, and this outward movement is limited by the finger pieces 15 within the slots 16. The ends of the curtains are also provided with reinforcing members 19, which serve to effectively retain the tube 13 upon the curtain and to prevent the tearing of the ends of the curtain when the same is raised or lowered.

The vertical side bars of the casing 1 are provided with vertically extending guide strips 20. These strips 20 are each preferably constructed of a single sheet of metal bent substantially in the form of a W and provided with offset feet having a plurality of openings adapted for the reception of retaining elements by which the guides are secured in position. By constructing the guide plates of resilient material and of a substantially W shape in cross section, a cen-

tral V-shaped groove is provided which is adapted to serve as a way for the projecting portions 21 of the rods 14, which are substantially V-shaped in longitudinal section. The diverging walls of the V-shaped passage provided by the members 20 are each provided with a coating 22 constructed of felt or other suitable material and adapted to serve as a means for increasing the friction of the projecting portions 21 of the rods 14 when in engagement therewith and to also serve as a means for preventing the entrance of draft through the casing when the curtain is lowered. It is to be understood that the spring 8 is so wound as to normally raise the curtain upon the roller 3 and that the pressure of the rods 14 is sufficient to overcome the pressure of the spring 8 so that the curtain is always retained in a taut condition when raised or lowered.

Adapted to be positioned over the roller 3 and the curtain wound thereon is a hood 23. This hood 23 is substantially circular in cross section having an open mouth 24 extending longitudinally of and positioned in the lower surface thereof. The edges provided by this mouth 24 are bent upon themselves or otherwise rounded to provide a smooth surface for the curtain when the latter is being wound or unwound upon the roller 3. The hood has each of its ends provided with plates 25. The plates 25 are provided with centrally arranged apertures 26, one of which being squared, and the other rounded to agree with the squared projection 7 of the rod 6 and the rounded projecting portion of the pin 4 of the roller. The end plates 25 have their upper portions rounded to agree with the rounded hood 23, while their lower portions are projected downwardly in a substantially vertical line with the sides of the hood and have their lower portions terminating with the mouth 24 of the hood and at a right angle to the vertical sides of the plates, thus providing surfaces adjacent the lower portion of the hood 23. The projecting portions are provided with elongated slots 27, and these slots are adapted for the reception of threaded retaining elements 28. By this arrangement it will be noted that the hood 23, together with the roller 3 and curtain 12, may be raised or lowered a suitable distance away from the top bar of the casing, the object being to allow a portière or other drapery 29 to be placed over the hood 23, as illustrated in Fig. 3 of the drawings, and as the hood is raised, to compress and hold the

drapery between the hood and top rail of the casing.

From the foregoing description, taken in connection with the accompanying drawings, it will be noted that I have provided a comparatively simple and inexpensive curtain fixture, one which may be readily and easily applied to the casing of a door or window, which may be raised or lowered to any desired height and securely locked in said position and which may be effectively employed as a closure for the casing which will effectively prevent the entrance of air or rain. It will also be noted that by providing the device with a hood constructed as above described the upper portion of the curtain is effectively concealed and protected and the hood may be raised so as to tightly and securely retain a portière or other draperies between the hood and the top bar of the casing. It will still further be understood that, while I have illustrated and described the preferred embodiment of my improvement, minor details of construction, within the scope of the following claim, may be resorted to without departing from the spirit or sacrificing any of the advantages of the device.

Having thus fully described the invention what is claimed as new is:

In a curtain fixture of the character set forth, the combination with a spring actuated roller and a curtain therefor, said curtain having its lower end provided with spring pressed rods adapted to contact with the sides of a window or door frame and the roller having one of its ends provided with a projecting rounded pin and its opposite end provided with a non-cylindrical pintle, of a hood having its ends provided with a circular and a non-circular opening adapted for the reception of the projections of the roller, said ends being also provided with elongated slots adapted for the reception of retaining elements whereby the device is secured to the frame and whereby the casing may be lowered to permit of the insertion of a drapery and raised to cause the drapery to contact with the top of the casing and to retain the same between the hood and the casing.

In testimony whereof I affix my signature in presence of two witnesses.

BEACH W. CODDINGTON.

Witnesses:

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D. L. AKEY.