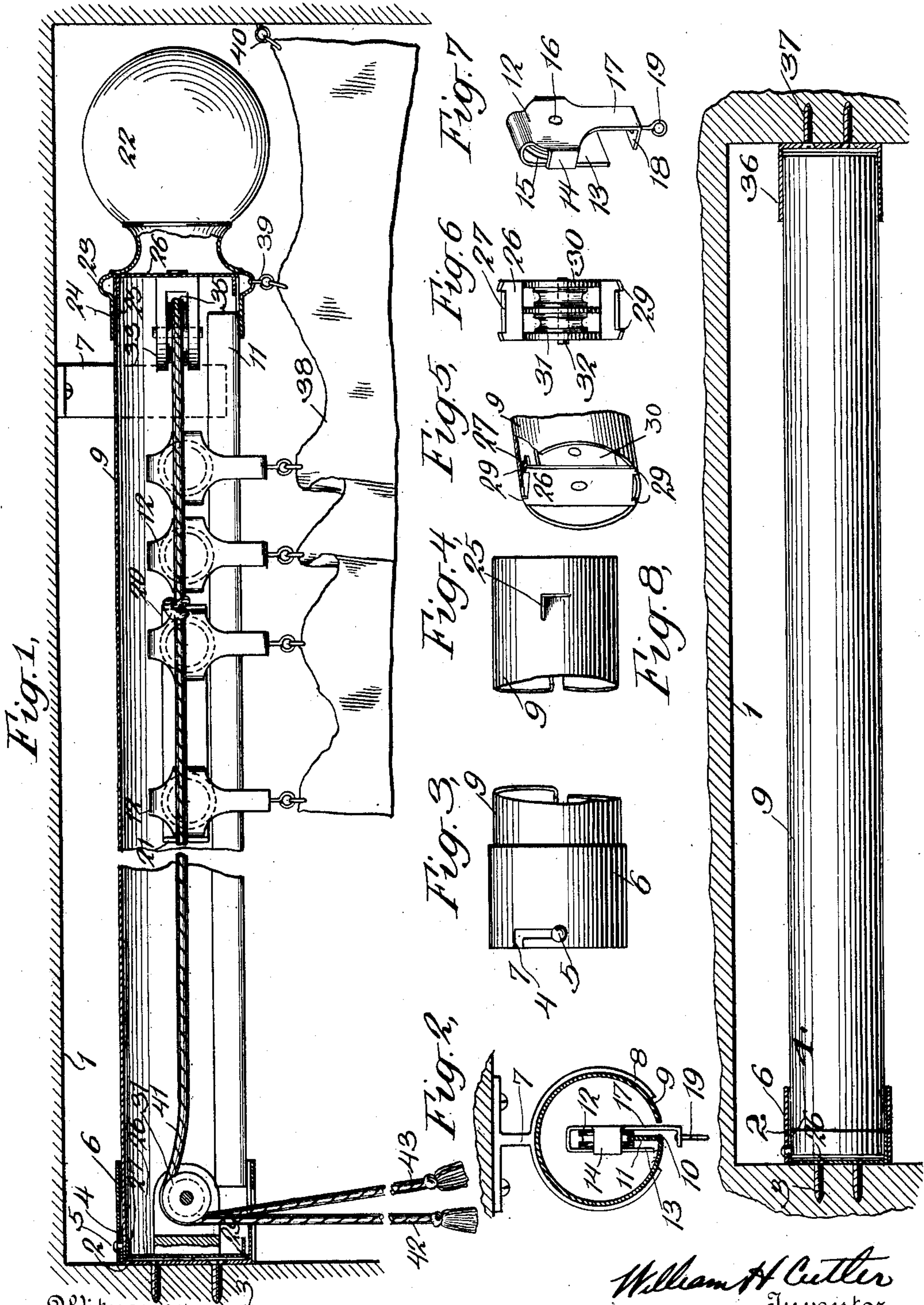


No. 829,387.

PATENTED AUG. 28, 1906.

W. H. CUTLER.
CURTAIN POLE.

APPLICATION FILED APR. 4, 1903.



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CURTAIN-POLE.

No. 829,387.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM H. CUTLER, a citizen of the United States, and a resident of Freeport, in the county of Nassau and State of New York, have invented certain new and useful Improvements in Curtain - Poles, of which the following is a specification, taken in connection with the accompanying drawings, which form a part of the same.

This invention relates to curtain-poles and attachments, and relates especially to tubular curtain-poles in which the means for suspending and operating the curtain are concealed within the pole.

In the accompanying drawings, in which the same reference-numerals refer to similar parts in the several figures, Figure 1 is a vertical sectional view of an embodiment of this invention. Fig. 2 is a transverse sectional view. Figs. 3, 4, 5, 6, and 7 show details. Fig. 8 shows a modified construction.

In the embodiment of the invention indicated in Fig. 1, 1 is a door-opening or other opening in which a curtain is to be mounted, and the curtain-pole 9, which is preferably of the tubular construction shown in Fig. 2 and comprises the carrier-slot 10 and the intumed track-flange 11, is mounted in this opening to support the curtain 38. One end of the pole may be mounted by using a permanent pole-support which may take the form of the yoke-hanger 7. The other end of the pole is preferably supported by a detachable mounting for readily putting the pole in place and properly supporting it in a firm manner. This detachable mounting, as indicated, comprises the socket 2, which is permanently secured to the opening by suitable screws 3 or otherwise, and this socket is detachably connected with a suitable supporting member which may be in the form of the collar 6. Any desired means may be used for detachably connecting these two parts together. In the drawings a stud 5 is indicated upon the flange 4 of the socket, and a cooperating bayonet-slot 7 is indicated upon the collar 6. These parts may be readily disconnected, and after putting the other end of the pole into cooperation with the support at that end the collar is slipped over the pole, and the pole is then inserted within the socket or in alinement therewith. Then the collar is secured to the socket by the detachable connecting

means and the pole is rigidly secured in position.

One end of the pole is indicated in Fig. 1 as being provided with the pole end 22, which may be formed with a suitable collar 23 to engage the end of the pole 9, and this pole end is preferably detachably locked in position, so as to hold it firmly in place while it is being used. For this purpose the collar 23 is indicated as provided with the lock 24, which is preferably spring-pressed to engage the wedging locking-slot 25, this slot preferably having the formation indicated in Fig. 4, the corner indicated being bent inward, so that the lock or spring-tongue 24, which may have the same shape as the depressed tongue forming the wedging-slot 25, as indicated in Fig. 4, snaps into this locking-slot when brought into alinement with the same; but when rotated in a left-handed manner the lock rides up the inclined side of the locking-slot, and the pole end may under these conditions be readily withdrawn from the pole 9. If desired, however, the end of the pole may be mounted by being secured in any other form of pole-support.

Fig. 8 shows a plain pole 9, one end of which fits within a pole-support in the form of a socket 36, secured to the door-opening 1 by suitable screws 37. After this end of the pole has been brought into cooperation with the pole-support the other end may be supported by the detachable collar 6, which is secured to the socket 2, as has been described.

Within the pole and engaging the track-flange 11 are a number of carriers 12 to support the curtain. As is seen in Figs. 2 and 7, these carriers comprise a frame 12, in which the wheel 15, provided with the curved flanges indicated to maintain alinement with the track, is pivoted about the pin 16. One end of this frame is bent downward to form the guide 13, which prevents the carrier from being laterally displaced, so that it would leave the track. Suitable buffers 14 may be provided to prevent the adjacent carriers from interfering with each other as they move along the track. These carriers are preferably formed with a depending end 17 to pass through the carrier-slot of the pole, and a retainer 18 may be formed by bending this end laterally, so as to prevent the upward movement of the carrier to an undesirable

extent. A securing-eye 19 may be provided to readily secure the curtain to the carrier. The draw-carrier is also preferably used, the carrier-bar 20, which rigidly secures two of the carriers 12 together, being provided at its ends with the buffers 21, which may be formed with attaching-holes to which the draw-cord may be readily fastened.

The draw-pulleys 31, over which the draw-cord 41 passes, may be mounted by any suitable means in one end of the pole, suitable openings being provided in the pole and mountings through which the ends 42 43 of the draw-cord pass. The pulley-block 30 (see Fig. 6) is preferably formed of the heavily-shrouded construction indicated, the block extending around the pulleys and accurately guiding the draw-cords with relation thereto, these pulleys rotating about the pivot 32. The block may be rigidly secured to the pulley-bar 26, which is preferably detachably mounted in the curtain-pole 9. As indicated in Fig. 5, this pulley-bar may be provided with the tongues 27, which are adapted to have spring engagement with the curtain-pole and also with the clips or projections 29, which secure the alinement and proper positioning of the pulley-block. The reverse-pulley 35 is revolvably mounted in a similar shrouded block 33, which is preferably permanently secured to the pulley-bar 26, this bar being provided with similar tongues and projections for mounting it in the curtain-pole. The draw-cord 41 passes over the draw-pulleys and around the reverse-pulley, this cord being secured, as indicated, to the draw-carrier, and in this way by pulling upon one or the other of the draw-cord ends the draw-carrier is positively actuated in the desired direction and drawn along the track 11. This carrier through the connection with the curtain actuates the other carriers and extends or draws the curtain in an obvious manner, one end of the curtain being preferably secured to the opening and the pole by suitable attaching-eyes 39 and 40.

It is of course understood that many modifications may be made in the form, proportions, and numbers of parts of this device without departing from the spirit of this invention or losing the advantages of the same.

Furthermore, parts of this apparatus may be omitted and parts of the same may be used in connection with other devices by those familiar with this art. I do not, therefore, desire to be limited to the disclosure which has been made in this case; but what I claim as new, and what I desire to secure by Letters Patent, is set forth in the appended claims.

I claim—

1. In curtain-poles, a slotted tubular pole provided with a track-flange, means to support one end of said pole, a socket and a collar detachably connected to said socket to support the other end of said pole, shrouded pulley-blocks draw-pulleys mounted in said shrouded pulley-blocks, a pulley-bar carrying said pulley-blocks, tongues and projections on said pulley-bar to detachably support said bar from the said pole, a reverse-pulley secured to said pole, carriers within said pole engaging said track and provided with wheels having curved flanges and a draw-cord passing over said pulleys and operating said carriers.

2. In curtain-poles, a pole formed with a wedging locking-slot, of varying depth circumferentially near one end of the same, a collar to engage said pole and a spring-pressed lock in said collar to engage said locking-slot.

3. In curtain-poles, a tubular curtain-pole provided with a track, a pulley, a flat pulley-bar upon which said pulley is mounted, projections formed on said pulley-bar and in line therewith to engage the end of said pole and spring-tongues formed on said pulley-bar at an angle therewith to internally engage said pole and support said pulley with respect thereto.

4. In curtain-poles, a tubular pole, a pulley, a substantially flat pulley-bar upon which said pulley is mounted, said pulley-bar extending across said pole and engaging the edges thereof, and spring-tongues formed on said pulley-bar and extending at an angle thereto within said pole to support said pulley with relation thereto.

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