Feb. 22, 1927. 1,618,885

E. M. MINOR

GARMENT HANGER

Original Filed May 28, 1924 2 Sheets-Sheet 1

Fig. 1.

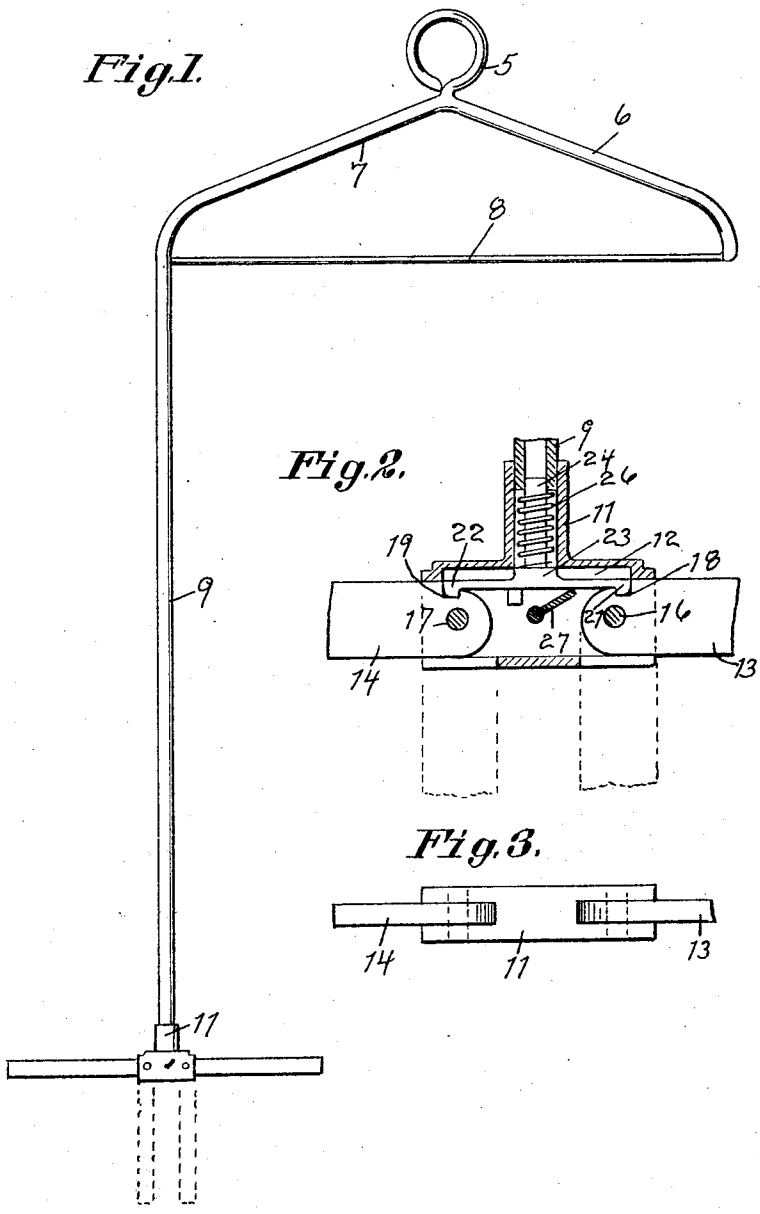


Fig. 2.

Fig. 3.

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Original Filed May 28, 1924 2 Sheets-Sheet 2

Fig. 4

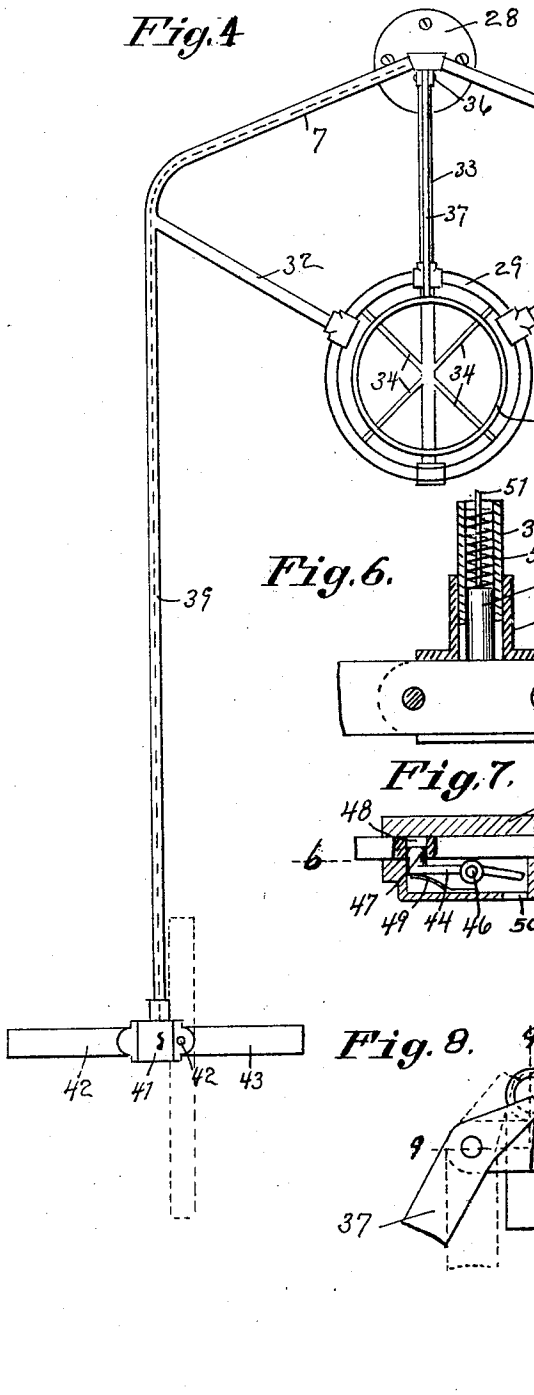


Fig. 5.

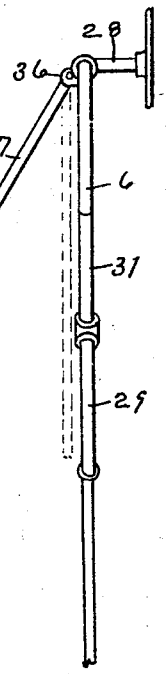
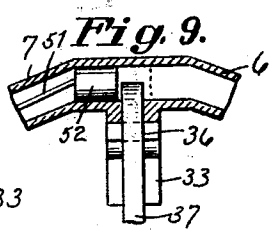


Fig. 6.

Fig. 7.

Fig. 8.

Fig. 9.



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UNITED STATES PATENT OFFICE.

EDWARD M. MINOR, OF LOS ANGELES, CALIFORNIA, ASSIGNOR, BY MESNE ASSIGNMENTS, OF FORTY-NINE PER CENT TO W. B. RARDIN, OF ELMWOOD, OHIO.

GARMENT HANGER.

Application filed May 28, 1924, Serial No. 716,487. Renewed June 25, 1926.

This invention relates to improvements in garment hangers, and has particular reference to means for locking a garment upon the hanger so that it cannot be removed by an unauthorized person.

The principal object of this invention is to produce a device of this character which is neat in appearance, economical to manufacture, and simple to operate.

Another object is to produce a device which may be employed in connection with ordinary coat racks without altering the construction of the racks.

A further object is to provide means whereby the hat may also be retained if desired.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification, and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a side elevation of my preferred form of garment hanger,

Figure 2 is an enlarged detail cross-section showing the manner of locking the garment upon the hanger,

Figure 3 is a bottom plan view of Figure 2,

Figure 4 is a modified form of my device,

Figure 5 is a fragmentary side elevation of Figure 4,

Figure 6 is a cross-sectional view of the locking mechanism taken on the line 6—6 of Figure 7,

Figure 7 is a cross sectional view of the locking mechanism,

Figure 8 is a fragmentary detail view of the hat retaining latch, and

Figure 9 is a cross-section taken on the line 9—9 of Figure 8.

In the accompanying drawings wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numerals 6 and 7 refer to arms connected to a ring 5 thus forming an ordinary coat hanger, the ends of which arms are secured by a cross brace 8.

At 9, I have shown a downwardly extending member preferably formed as an extension of the arm 7. To the lower end of this extension I have secured a locking mechanism comprising a casting 11 having a hollow chamber 12 within which are pivoted locking bars 13 and 14, pivoted at 16 and 17, respectively. These locking bars are each provided with a recess as shown at 18 and 19 within which the ends 21 and 22 of a yoke 23 are adapted to enter. This yoke is carried upon a slidable pin 24, around which a coil spring 26 passes. This coil spring bears against the yoke 23 and against the lower extremity of the extension 9, thereby tending to force the yoke downwardly as shown in the drawing.

The yoke 23 is adapted to be moved against the tension of the spring by a key 27 with the result that after the yoke 23 has been raised the locking bars 13 and 14 will drop to the dotted line position of Figure 2.

Referring now to Figure 4, I have shown a modified form of my device wherein the arms 6 and 7 are secured to a wall bracket 28. A hat retaining ring 29 is supported from the arms 6 and 7 by braces 31, 32 and 33. The ring 29 has cross members 34 to further prevent the withdrawal of a hat being held in the device.

Pivoted at 36 is a hat locking bar 37 having a locking ring 38 mounted on its end. This locking ring is adapted to pass over the crown of a hat, as best shown in Figure 5.

A downward extension 39 is connected to the arm 7 and is similar to the downward extension 9 of Figure 1. This extension 39 has mounted in the bottom thereof a casting 41 within which is pivoted as at 42, a locking bar 43. Mounted within the casting 41 is a latch mechanism consisting of a pivoted member 44 pivoted at 46 and having an end 47 adapted to enter an opening 48 in the locking bar 43.

A spring 49 tends to normally keep this latch mechanism in engagement with the locking bar 43. An opening 50 permits a key or other instrument to be inserted for the purpose of counteracting the action of the locking mechanism.

By now viewing Figures 6 and 9, it will be noted that a resilient rod 51 extends upwardly through the extension 39 and terminates in a sliding wedge 52 adjacent the meeting point of the arms 6 and 7.

A spring 53 contacts a plunger 54 and is adapted to be actuated by the pivotal movement of the locking bar 43. The wedge 52 is adapted to pass behind the nose of the hat

locking bar 37 causing the same to assume the dotted line position of Figure 8 when the device as a whole is in a locking position.

The manner of operating my device is as follows:—

In the form shown in Figure 1, the extension 9 is placed through the sleeve of the garment to be placed upon the hanger, after which the locking bars 13 and 14 are moved to the full line position of Figure 1, it of course being understood that the device is unlocked when the garment is placed thereon. In order to remove the garment it will be necessary to insert a key or like instrument, so as to raise the yoke 23 before the locking bars 13 and 14 can drop to their dotted line position. In the modified form shown in Figure 4 the action is similar with the exception that the locking bar 43 is a continuous bar and when unlocked takes the position shown in dotted lines, at the same time, the spring 53 causes the plunger 54 to move downwardly and withdraw the wedge 52 from behind the nose of the hat locking bar 37.

After a coat has been placed on the hanger and a hat in the ring 38, the return of the locking bar 43 to its full line position will cause the wedge 52 to again pass behind the nose of the hat locking bar and as soon as the locking bar 43 has come in line with the end 47 of the latch mechanism, that bar will also be retained against pivotal action, until a suitable key has been employed to release the same.

It will thus be seen that I have provided a very simple device which will accomplish all the objects above set forth.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same, and that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention, I claim:—

In a device of the character described, a pair of diverging arms, hat retaining means supported upon said arms, one of said arms extending downwardly and forming an extension of considerable length, a locking bar pivoted to the lower extremity of said extension and adapted to be held at an angle of 90° with respect to said extension when in locking position, means for locking said bar, means actuated by said locking bar for locking said hat securing means, said last mentioned means comprising a pivoted hat locking bar having a nose, a wedge adapted to engage said nose, a resilient rod secured to said wedge, the opposite end of said rod having a plunger secured thereto, said plunger being actuated by said locking bar.

In testimony whereof I affix my signature.

EDWARD M. MINOR.