June 8, 1926. 1,587,675

W. PATTERSON

GARMENT HANGER

Filed Dec. 10, 1924 2 Sheets-Sheet 1

Fig. 1.

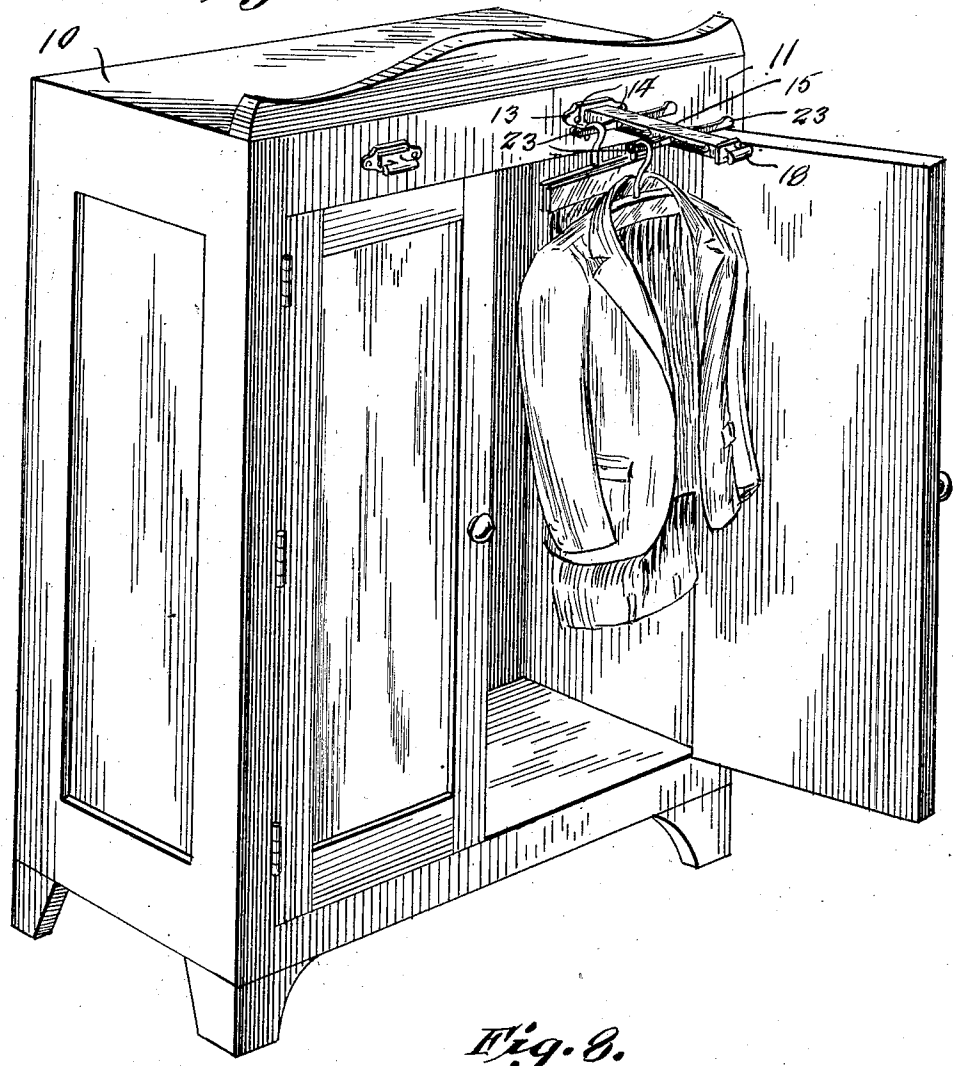
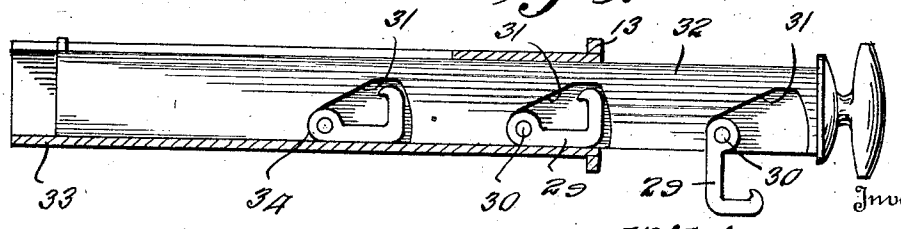


Fig. 2.



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Fig. 2.

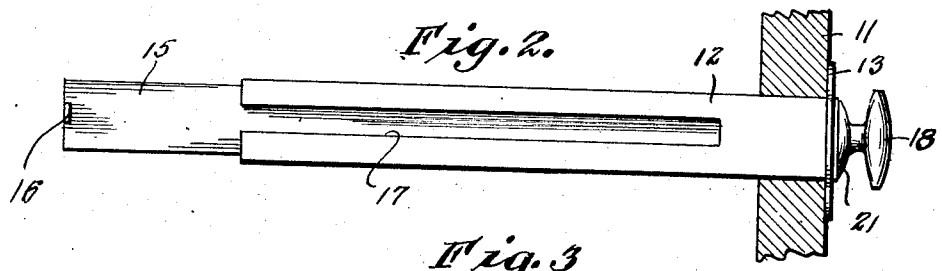


Fig. 3

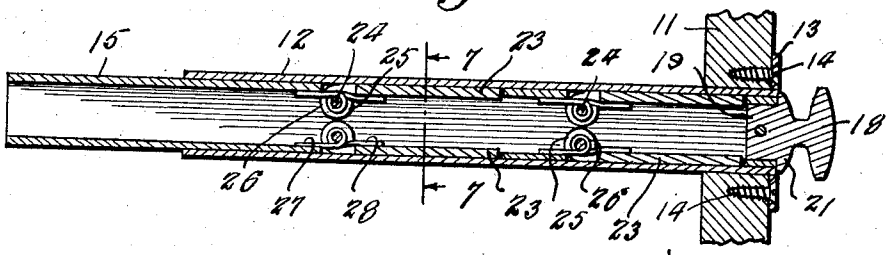


Fig. 4.

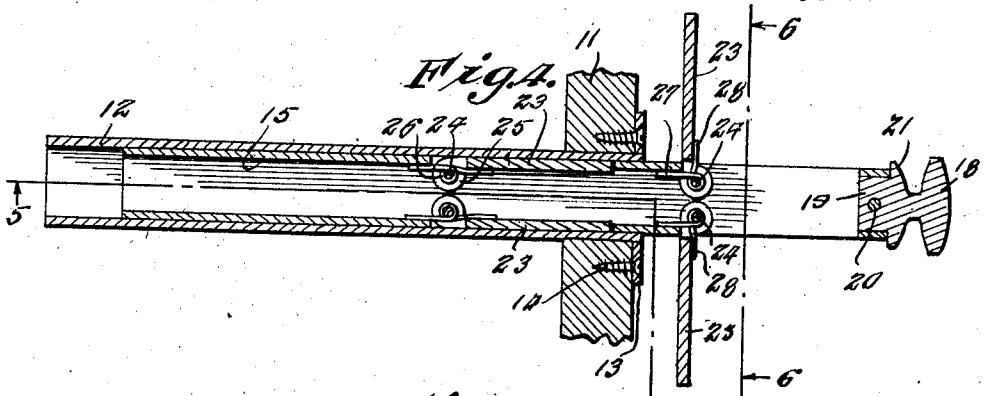


Fig. 5.

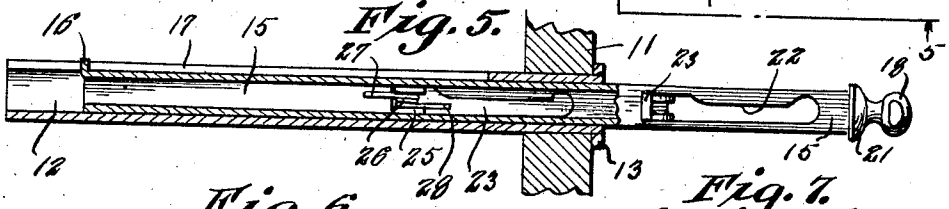


Fig. 6.

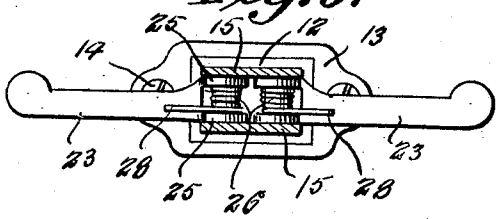
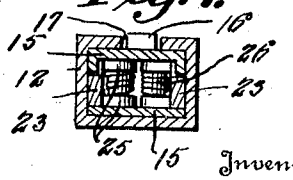


Fig. 7.



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UNITED STATES PATENT OFFICE.

WILLIAM PATTERSON, OF PHILADELPHIA, PENNSYLVANIA.

GARMENT HANGER.

Application filed December 10, 1924. Serial No. 754,940.

This invention has reference to garment hangers of the type set forth and described in my co-pending application, Serial No. 736,930, filed September 10, 1924, and has for its principal object to provide a garment hanger in which the hanger arms are moved into and out of position automatically as the support bar is withdrawn from and pushed into the case.

A further object of the present invention is to provide a garment hanger of generally improved and simplified design, presenting but few mechanical parts, and capable of being economically manufactured and assembled.

Additional objects and advantages of the invention will be apparent from the following description of the device and from the accompanying drawings, wherein:

Figure 1, is a perspective view showing the invention applied to a wardrobe.

Figure 2, is a view showing the garment hanger in top plan and in closed position.

Fig 3, is a longitudinal section of the garment hanger as viewed from the top.

Figure 4, is a longitudinal sectional view showing the garment hanger partly open.

Figure 5, is a longitudinal section on line 5—5 of Figure 4.

Figure 6, is a cross section on line 6—6 of Figure 4.

Figure 7, is a cross section on line 7—7 of Figure 3, and

Figure 8, is a view showing a modification of the invention.

This garment hanger is intended for use with an article of furniture, such as a wardrobe 10, and for the purpose of applying the invention thereto, the upper cross board 11, of the wardrobe is pierced with one or more openings of such size and shape as to conveniently accommodate the casing 12 of the device, the casing being inserted through the opening so as to extend rearwardly of the cross board. The front end of the casing is flanged, as at 13, for abutment with the cross board 11 and this flange is fastened to the board by bolts, screws, or other suitable fastening means 14, for holding the casing in position behind the cross board. Slidably mounted in the case is a tubular support bar 15 having an upstanding lug 16 at the center of its rear upper edge. Lug 16 works in a slot 17 opening inwardly from the back end of the case and extending longitudinal of the upper side of the latter by terminating a short distance inwardly of the flanged front end of the case. The front end of the support bar is equipped with a handle 18 for moving the support bar back and forth with respect to the case. As shown, the handle may be integral with a small block 19 secured, as shown, within the outer opened end of the support bar and provided with a flange 21 projecting beyond the sides of the support bar so as to abut at times with the flanged end of the case. In the operation of the device, the lug 16 by its abutment with the closed end of the slot prevents the support bar from being entirely withdrawn from the case and the flange 21 at the handle end of the support bar limits the inward movement of the latter by reason of its abutment with the front end of the case.

Arranged on each side of the support bar and accommodated in correspondingly shaped openings 22 are the hanger arms 23, in any desired number. Each hanger arm turns on a vertical pivot or pin 24 and has its inner end bifurcated and provided with upper and lower circular bearing lugs 25 between which is positioned a spring 26. The spring encircles the pivot pin 24 with its upper terminal 27 bearing against the inside of the case and its lower terminal 28 bearing outwardly against the inner end of the hanger arm. By this arrangement, the arm is subjected to the continuous pressure of the spring which thus serves to swing the arm outwardly at a right angle to the side of the support bar and to hold it at its outermost position. The hanger arms are preferably arranged in oppositely disposed pairs but they may also be arranged in staggered relation should such an arrangement prove more desirable.

The action of the hanger arms is automatical in that the springs serve to swing the hanger arms outwardly from the sides of the support bar as soon as they are clear of the case and when the support bar is being pushed into the case, the springs yield to the pressure exerted on the arms as the latter abut with the outer edge of the case and are forced into the side openings of the support bar. Consequently, no manual adjustment of the hanger arms is required, the latter moving automatically into and out of position as the support bar is withdrawn from and pushed into the case.

In Figure 8 is illustrated a modified form

of the invention. In this instance, the hanger arms are in the form of hooks 29 and are mounted to swing on pivots 30. The hooks and pivots are accommodated in recesses 31 formed in the underside of the support bar 32 which may be otherwise of solid construction. The support bar slides back and forth in a case 33 similar to the one previously described. When the support bar is being withdrawn from the case and each recess is in turn exposed, the hooks simply drop down into position, being limited in their backward swing by the shoulders or corners 34 of the recesses. As the support bar is pushed into the case, the front edge of the case abuts the shank of each depending hook in turn and causes it to move upwardly into its recess so that when the support bar is entirely inserted in the case, the hooks will be supported upon the bottom of the case.

From the foregoing it will be seen that the invention offers a convenient and ornamental attachment for a wardrobe or other suitable article of furniture and, in addition, provides a handy and advantageous support or hanger for various articles of apparel.

Having thus described the invention, what I claim is:

1. A garment hanger including a case, a bar slidably positioned within the case for movement outwardly thereof, hanger arms pivoted to the said bar to swing outwardly from the sides thereof, and tensioning means at the inner pivoted end of each hanger arm and exerting a continuous outward pressure on the said arm.

2. A garment hanger including a case, a bar slidably positioned within the case for movement outwardly thereof, hanger arms pivoted to the said bar to swing outwardly from the sides thereof, and a spring at the inner pivoted end of each hanger arm arranged to continuously press against the said hanger arm whereby the latter is automatically swung outwardly of the bar when clear of the said case.

3. A garment hanger including a case, a slidable bar within the case having a handle at its outer end by which it is moved outwardly and inwardly of the case, said bar having openings in opposite sides thereof, hanger arms fitting in the said openings and being pivoted at one end to the said bar, and a tensioning spring adjacent the pivot of each hanger arm and arranged to continuously press against the said arm for causing the latter to swing outwardly from the bar automatically with the outward movement of the bar, said spring serving to hold the said arm at its outermost position.

4. A garment hanger including a case, a bar carried thereby and movable into and out of the said case, pivoted hanger arms carried by the said bar, and a tensioning spring associated with each hanger arm and arranged to continuously exert pressure on the said hanger arm whereby it is automatically moved and held outwardly from the side of the bar when the latter is disposed outwardly of the case.

5. A garment hanger including a horizontally supported case, a bar slidably positioned within the case for movement outwardly thereof, a plurality of hanger arms pivoted to opposite sides of the bar and normally fitting in recesses in the bar, and a spring encircling the pivot of each hanger arm for automatically moving the same outwardly from the side of the bar when the latter is withdrawn from the case, each spring having one terminal bearing against the inside of the case and the other terminal bearing against the inner end of the hanger arm whereby the latter is continuously subjected to the pressure of the spring.

6. A garment hanger including a case, a hollow bar slidable back and forth in the case, said hollow bar having an operating handle at its outer end and having opposite sides pierced with a series of spaced longitudinal openings, a hanger arm accommodated in each opening and presenting spaced upper and lower bearing lugs at one end, a vertical pin on which the said lugs pivot, and a spring positioned between the said lugs and encircling the said pin with one terminal bearing against the inside of the said case and the other terminal bearing outwardly against the inner end of the said arm whereby the latter is subjected to the continuous pressure of the spring.

7. A garment hanger including a tubular case having its upper end terminating a short distance inwardly of the front end of the case, a hollow support bar extending through the said tubular case and being slidable with respect to the case, said hollow support bar having a handle at its front end and having at its rear end an upstanding lug adapted upon the forward sliding movement of the support bar to abut with the terminal of the slot to limit the forward movement of the said bar, a plurality of hanger arms pivoted to the said support bar to swing outwardly at right angles thereto and normally inclosed within the support bar when the same is housed in the said case, and separate actuating means provided on each hanger arm for operating the same independently of each other whereby each arm is adapted to swing outwardly of the support bar as soon as it is moved clear of the said case.

In testimony whereof I affix my signature.

WILLIAM PATTERSON.