Nov. 22, 1955 C. HANSEN 2,724,533

ADJUSTABLE GARMENT HANGER

Filed July 27, 1953

Fig. 1

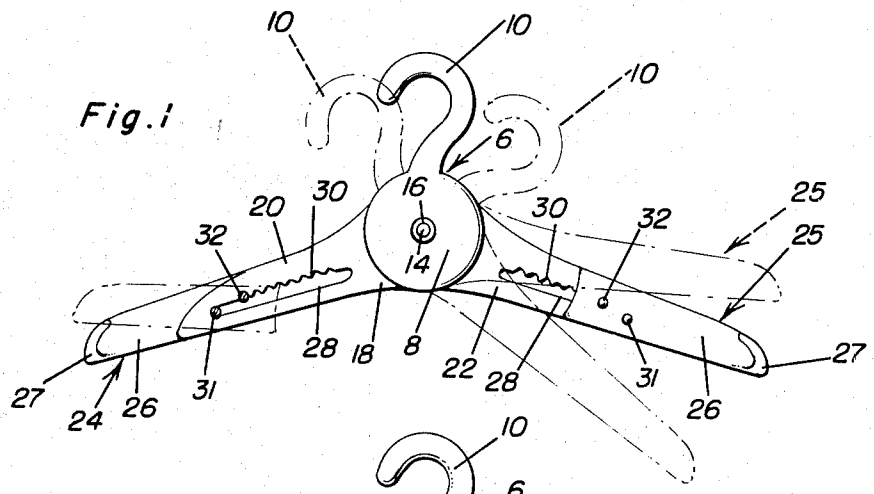


Fig. 2

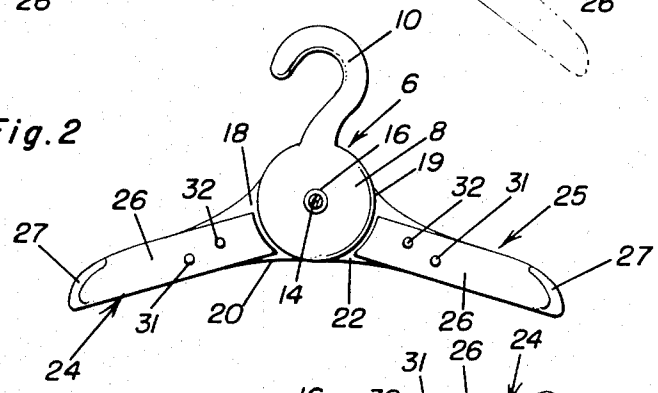


Fig. 3

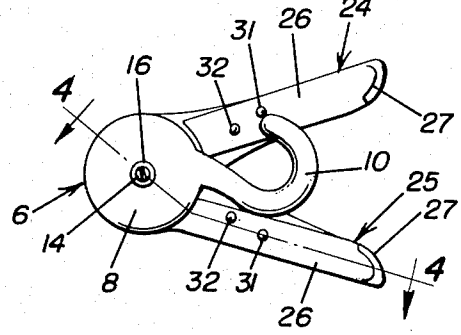
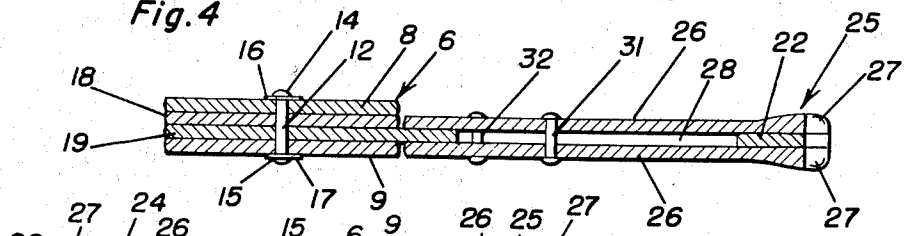


Fig. 4



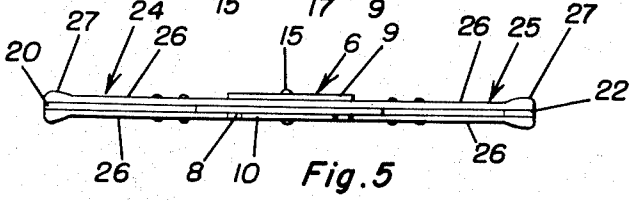


Fig. 5

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United States Patent Office 2,724,533 Patented Nov. 22, 1955

2,724,533

ADJUSTABLE GARMENT HANGER

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Application July 27, 1953, Serial No. 370,262

1 Claim. (Cl. 223—94)

The present invention relates to garment hangers, generally speaking, and has more particular reference to one which is adjustable as to size and is collapsible so that it may be folded into compact and convenient form for storage and similar purposes.

More specifically, the invention has to do with a hook-equipped central portion wherein the parts thereof cooperate in forming a sort of a sheath, said sheath having a hollow rivet forming a hub and said hub serving to assemble and hingedly retain inner overlapped ends of folding garment supporting arms, which latter may be disposed in alignment with each other when in use or may be swung into close proximity with each other when folded for storage.

Another object of the invention has to do with a coat hanger characterized by the aforementioned arms, which arms are slotted and serve to accommodate pins carried by auxiliary arms, which latter arms are slidably adjustable on the main slotted arms in order to either effectively shorten or lengthen the utility of said arms to handle either normal or full sized adult garments, or alternatively, smaller garments, such as those worn for example by children.

Another, but more general object of the invention, is to structurally, functionally and otherwise improve upon similarly constructed and performing garment hangers of the so-called coat-hanger type and in doing so to provide a simple, practical and efficient construction in which manufacturers, clothiers and home users will find their respective requirements and needs satisfactorily incorporated and consequently aptly met.

Other objects, features and advantages will become more readily apparent from the following description and the accompanying sheet of illustrative drawings.

In the drawings, wherein like numerals are employed to designate like parts throughout the same:

Figure 1 is a view primarily in elevation, showing a garment hanger constructed in accordance with the principles of the present invention and illustrated in full and phantom lines to reveal the versatile and adjustable in nature of the same;

Figure 2 is a side elevational view based on Figure 1 but showing the garment hanger adjusted in size to its smallest ready-to-use form;

Figure 3 is a view based on Figures 1 and 2, and especially Figure 2, and showing the parts folded or collapsed for minimum space requirements, storage and so on;

Figure 4 is an enlarged view taken on the irregular line 4—4 of Figure 3 looking in the direction of the arrows; and

Figure 5 is a bottom plan view of the structure seen in Figure 2.

Referring now to the drawings, with the aid of reference numerals and accompanying lead lines, the central part of the over-all structure which has already been referred to as the sheath is denoted by the numeral 6. This is essentially made up of two companion or complemental

parts which may be described as disc-shaped members 8 and 9, which are in opposed parallelism and with at least one of these members provided with a suspension hook 10 radiating from its marginal edge portion so that the device may be hung from a hanger rod, from a clothes closet hook or the like. It is preferred that a hollow rivet or the like 12 be passed through the central apertures in the disc portions 8 and 9 with the rivet internally screw-threaded to accommodate assembling screws 14 and 15, and complemental assembling and clamping washers 16 and 17. By using a hollow rivet, pin or the like, the latter constitutes a sort of a hub between the two disks and completes the sheath for accommodation of the inner overlapped end portions (also generally circular or discoidal in shape), said end portions being denoted at 18 and 19 and pivoted of course on the hub 12, as perhaps best shown in Figure 4. These portions 18 and 19 constitute the inner ends of the main hanger arms 20 and 22, which are best shown in Figure 1. Normally, these arms radiate from the outer peripheral portions of the sheath and they, in and of themselves, go to make up a hanger. It is preferred however, that these arms should be short and provided with extensible and retractible auxiliary arms, which latter arms are generally denoted by the numerals 24 and 25, respectively. Each of the arms 24 and 25 are the same in construction. The description of one side of the device will therefore suffice for both. With this in mind, it will be seen that each arm is made up of duplicate complements or members, which are denoted by the numerals 26—26, having their outer ends appropriately thickened to form beads 27—27, to render these ends sufficiently blunt and to prevent the presence of points, which might puncture or otherwise injure the garments if fragile. The members 26—26 are on opposite sides of the intervening arm 22 for example, in Figure 1, and the latter arm is provided with an elongated centrally disposed slot 28, one edge of which is straight and the other edge of which is serrated to provide retaining teeth 30. The cross-pins 31 and 32 which join the members 26—26 are operable in the slot. The one pin 31 slides back and forth without interference and is primarily the assembling and pivoting pin, and the other one 32 is adapted to engage selectively with the teeth 30 to serve as a latch or detent. The weight of a garment or other object on the auxiliary arm 25 for example, will cause it to tilt and pivot on the pin 31 and this will engage the top pin with the rack-like teeth 30, already described. It follows therefore, that there are main arms 20 and 22 pivoted at their inner ends between the hook-equipped sheath which arms are slotted and which carry the dual-part extensible and retractible or auxiliary arms 24 and 25, which latter may be extended and locked in the outermost position as shown for example, in full lines in Figure 1, or, may be completely collapsed and shoved to the innermost position as shown in Figure 2. These are the large and small adjustment positions of the over-all hanger and there are, of course, intervening positions. What with the fact that the inner end portions 18 and 19 are frictionally pivoted on the hub pin 12 between the disc-like members 8 and 9, the friction will hold parts assembled, so that the arms 20 and 22, either by themselves or in conjunction with their auxiliary complements 24 and 25, may be variously adjusted in angular directions. It may be necessary to rely on other than the mere friction to hold the arms 20 and 22 in the sheath, and this can be accomplished by using a hollow rivet 12, as before stated, and threading the clamping screws 14 and 15 into the screw and binding the several parts 8, 18, 19 and 9 together in an obvious manner (see Figure 4). It will be clear that by raising the auxiliary arms, the position of the slide rivets will be such that said arms will be slid in and out relative to the main arms and when weight

is applied, the pivoting and retaining action of the parts serve to lock the auxiliary arms. Accordingly, the hanger is versatile, simple, practical and economical and such that it will serve intended purposes of all parties concerned.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art, it is desired not to limit the invention to the exact construction shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the appended claim.

What is claimed as new is as follows:

A garment hanger of a folding as well as an extensible and retractible type comprising a sheath embodying a pair of interconnected duplicated members having opposed inner surfaces in spaced parallelism and said surfaces being flat and smooth, a suspension hook connected to and adapted to suspend said sheath, a pair of duplicate main arms having flat inner end portions overlapping one another, said inner end portions being flat faced and smooth and being interposed between the inner faces of said parallel members, a single suitably fastened pin passing through said parallel members and also through the overlapping inner end portions and hingedly connecting said main arms in a manner permitting the same to be folded toward each other and in close proximity with said hook, and extensible and retractible auxiliary arms slidably and adjustably mounted on the respective outer end portions of the respective main arms and having their inner ends slidable into close relationship to the cooperating marginal edge portions of the stated members so that when said auxiliary arms are retracted fully and folded with said main arms, the over-all hanger is then highly compact in form and convenient to handle, store or otherwise use.

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