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2,504,562

COAT HANGER

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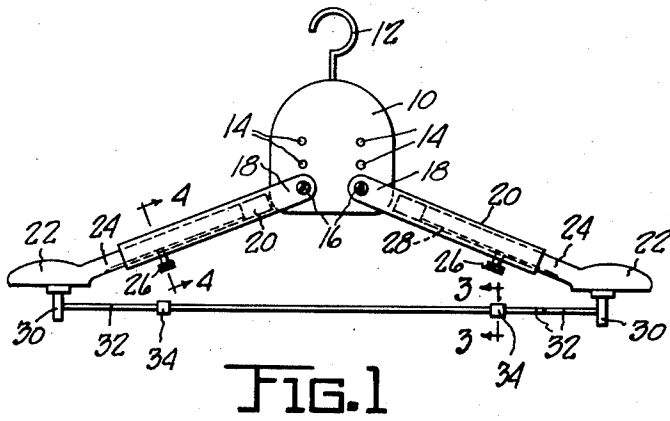


FIG. 1

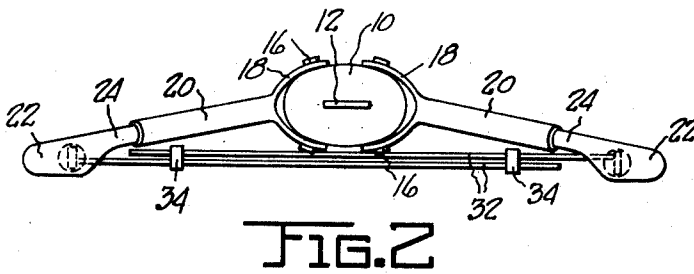


FIG. 2



FIG. 3

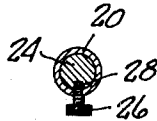


FIG. 4

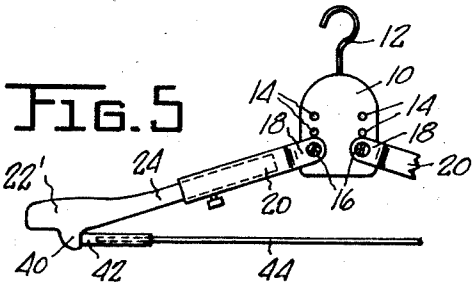


FIG. 5

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COAT HANGER

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7 Claims. (Cl. 223-89)

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This invention relates to improvements in coat hangers.

The primary object of the invention is to provide a coat hanger by which a coat may be hung in a naturally draped manner without danger of creasing the same and in a manner to provide an effective support throughout the full breadth of the shoulder portions of the coat.

A further object is to provide a coat hanger which is adjustable to correspond with the slope and the breadth of the shoulders of the owner of a coat to be hung thereon, whereby a coat tailored to fit the wearer will be carried by the hanger in an unstressed, fully supported manner.

A further object is to provide a coat hanger which is adjustable as to width and to slope, with a neck or central portion of a size and shape to form a bearing or support engageable by the collar of a coat in a manner to hold the collar portion of the coat in a natural unstressed position.

A further object is to provide a coat hanger which is adjustable to accommodate different shoulder slopes and widths, with a portion operating in all adjustments thereof to support and suspend the skirt or trousers of a suit within the outline of the coat carried by the hanger and in a manner to preserve the crease of the garment.

Other objects will be apparent from the following specification.

In the drawing:

Fig. 1 is a view of the device in side elevation.

Fig. 2 is a top plan view of the device.

Fig. 3 is a fragmentary enlarged sectional view taken on line 3-3 of Fig. 1.

Fig. 4 is a fragmentary enlarged detail sectional view taken on line 4-4 of Fig. 1.

Fig. 5 is a fragmentary side elevational view of a modified embodiment of the invention.

Referring to the drawing which illustrates the preferred embodiment of the invention, the numeral 10 designates a central portion or neck member which is preferably elongated vertically and is of oval shape in cross-section. The neck portion 10 may be formed of any suitable material, either solid or hollow, such as wood, metal or plastic, and has secured thereto an upwardly projecting hook member 12, by means of which the hanger may be suspended from a support in a manner well understood in the art. The neck member 10 has a plurality of series of vertically spaced openings 14 therein adapted to receive detachable securing members 16 passing through openings in the yoke portions 18 of elongated guide members 20. The guide members 20 pre-

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erably extend at an angle to each other in both vertical and horizontal planes, as shown in Figs. 1 and 2, in an angularly, downwardly and forwardly extending direction from the central or neck portion 10. The major transverse axis of the neck portion 10 extends in a direction lengthwise of the guides 20, as shown in Fig. 2. The yokes 18 are so formed as to have sufficient clearance from the neck portion embraced thereby to accommodate a substantial range of vertical pivotal movement of the guides 20. The securing members 16 may constitute screws which engage in tapped bores 14 in the neck portion and adapted to clamp the ends of the yoke securely and frictionally against the neck member 10 to hold the guides 20 in any selected angular adjustment vertically.

Shoulder portions 22 are provided with elongated shanks 24 of a size and shape to fit snugly and slidably within the guides 20. Any suitable locking means, such as set screws 26, may be carried by the guides 20 to engage the shanks 24 for the purpose of holding the same in selected longitudinal adjustment in the guides 20. The shoulder portions 22 are preferably laterally enlarged, as best seen in Fig. 2, and are provided with convex uppermost surfaces to provide a large area of support for the garment at its shoulder portions. As illustrated in Fig. 1, the shoulder portions preferably extend at an angle relative to the shanks 24 and the guide 20 to further insure supporting engagement thereof at the shoulder portions of a garment. It is necessary to prevent rotation of the shanks 24 in the guides 20 in order that the top convex supporting surface of the shoulder elements 22 may be positioned properly, and, in cases where the guides and the shanks 24 are of circular cross-section, the shanks 24 may be longitudinally slotted at 28 to receive the inner end of the set screws 26 for the purpose of preventing rotation. The telescopic parts 20 and 24 may be formed of non-circular cross-section, however, if desired, and in such instances the cross-sectional shape of the parts will prevent turning of the shoulder portion and the shanks. As best seen in Figs. 1 and 2, a cross-sectional dimension of the tubular guides 20 insures a substantial area of support of a garment and avoids the formation of creases at the shoulders of the garment. Likewise the cross-sectional area of the neck member 10 is substantially greater than the cross-sectional area of the guides 20, thereby providing a large area of gradually curved bearing surface for engage-

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ment with the central or rear collar portion of a coat.

The shoulder portions 22 have brackets 30 secured thereto in depending relation. Each of these brackets secures or mounts one end of a substantially rigid elongated wire 32, which wires 32 extend side by side in close spaced substantially parallel relation, being held in this position detachably by sockets or fittings 34 of substantially the shape of a figure 8, as shown in Fig. 3. The slidable fittings 34 hold the wires 32 in proper position spanning and below the shoulder portions 22 and accommodate the gripping of the cuff or lower leg portion of a pair of trousers or the waist band of a skirt, whereby such garment may be suspended freely in a manner which will avoid creasing thereof. The wires 32 are sufficiently flexible to facilitate easy insertion of the garment therebetween when the fittings 34 have been slid past the free end of one of the wires for the purpose of permitting the insertion of the garment between the wires.

It will be apparent that this coat hanger may be adjusted accurately to correspond to the slope of the shoulders of an individual, and elongated to correspond to the breadth of the shoulders of an individual, by adjusting the vertical angle of the guides 20 and anchoring them in the desired position by the securing member 16, and by extending the shanks 24 of the shoulder members longitudinally relative to the guide members and then clamping them in that position by manipulation of the set screws 25. Thus a full breadth natural support of a coat or other garment is provided, permitting the garment to hang in a naturally draped manner corresponding to the manner in which the coat fits the wearer. No part of the coat is stressed, and it is supported for its full breadth from shoulder portion to shoulder portion. The parts 22 afford support for the garment at the upper ends of the sleeves thereof in addition to the support afforded along the shoulder portions of the coat between said upper sleeve portion and the collar portion of the garment. The central or collar portion of the garment is held in a natural position by the enlarged central neck portion and is prevented from being creased or otherwise unnaturally draped. The adjustment for angle and for width of the hanger is accommodated by the arrangement of the wires 32 which slide freely relative to one another incident to such adjustments. Thus by this device it is possible to provide for the natural draping and hanging of a garment in a manner to avoid any creasing, straining, stressing or stretching of the parts as is characteristic of conventional hangers which do not provide such adjustments and which do not provide a neck support nor a shoulder or upper sleeve support as are provided in the instant device.

A slightly modified embodiment of the invention is shown in Fig. 5 where corresponding parts bear the same reference numerals. The shoulder portion 22' in this construction is modified in its shape and contour, still providing, however, the advantages of convex upper surface and large transverse area which characterize the first embodiment. A projection 40 is formed integrally with the shoulder portion 22' and depends therefrom as illustrated. In the form shown, the device may be molded or cast from metal or plastic or formed in any other suitable manner as by cutting or shaping. If desired, the member 40 may be formed from a separate piece and rigidly secured or anchored to the shoulder portion 22'.

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A similar projection 40 is carried by the opposite shoulder member 22'. The arrangement of the trouser hanger of the device is somewhat altered in this form. Thus, the rearmost part of such a support is here illustrated as formed of telescoping parts, such as a tubular member 42 carried by a projection 40 at one end and a wire 44 fitting telescopically therein. In Fig. 5 the front part of the trouser hanger is of the same construction as illustrated in Fig. 2, and fittings or brackets to hold the front and back parts together are employed in the same manner illustrated in Fig. 2. The telescopic parts 42 and 44 are carried by their respective mounting projections 40 at opposite sides of the device in any suitable manner. If desired, these parts may have a pivotal connection with the supports 40, although in the preferred form they will be fixedly secured to said projections as by imbedding therein in the case of devices formed by molding or casting. The flexibility of the elongated wire will be sufficient in most instances to accommodate the angular adjustment of the arms of the hanger about their pivots.

While the preferred embodiments of the invention have been illustrated and described herein, it will be understood that other constructions may be made which fall within the scope of the appended claims without departing from the spirit of the invention.

I claim:

1. A coat hanger comprising a neck member of elliptical transverse configuration, a pair of elongated guides having forked inner ends fitting partially around said neck member and pivoted thereto, means for clamping said guides in selected angular relation to said neck member, said neck member being of greater cross-sectional size than said guides and having its minor transverse axis positioned transversely relative to said guides, a pair of shoulder members each having a shank portion longitudinally shiftable in a guide, means for locking said shank portions in selected longitudinal adjustment, the outer end portions of said shoulder members being transversely enlarged, a longitudinally extensible support, means depending from the ends of said shoulder members for mounting the ends of said support, and a suspending hook carried by and projecting upwardly from said neck member.

2. The construction defined in claim 1, wherein said guides and shoulder shanks interfit telescopically and are of substantial cross-sectional size.

3. The construction defined in claim 1, and means holding said guides and shoulder shanks against relative rotation.

4. The construction defined in claim 1, wherein the enlarged end portions of said shoulder members have convex upper surfaces and extend at an angle to said shanks.

5. The construction defined in claim 1, wherein said neck member is vertically elongated and has a plurality of vertically spaced sets of pivot apertures.

6. A coat hanger comprising a vertically elongated central member, a pair of longitudinally extensible elongated arms pivoted at their inner ends to said central member and having enlarged outer end portions, said central member being of larger horizontal cross-sectional area than the cross-sectional area of said elongated arms and of oval cross-sectional shape, a suspension hook carried by said central member, means for locking said arms in selected angular relation to said

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central member, and means for locking said arms in selected longitudinal adjustment.

7. The construction defined in claim 6, wherein a clamping member is carried by the outer end of each arm, said clamping members being substantially parallel to clamp a garment therebetween, and retainers slidably encircling said parallel members to retain the same in garment clamping position.

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