Feb. 2, 1943. J. BOLTEN ET AL 2,310,058

GARMENT HANGER

Filed Aug. 27, 1941

Fig.1.

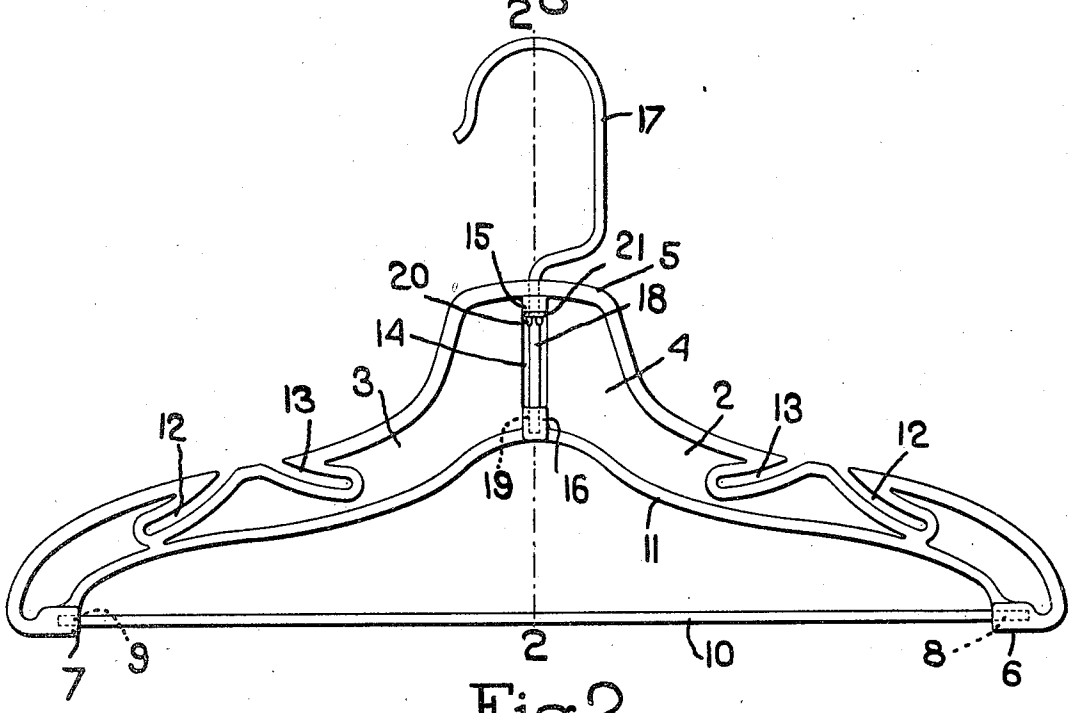


Fig.2.

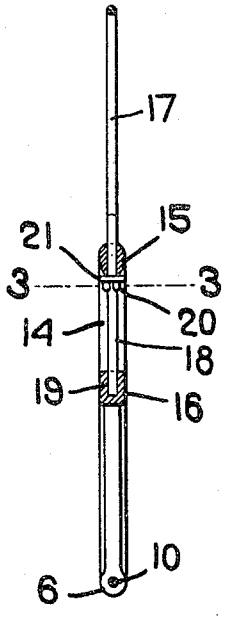
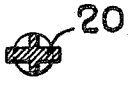


Fig.3.



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GARMENT HANGER

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5 Claims. (Cl. 223—88)

This invention relates to improvements in garment hangers of the type generally known as dress hangers. One of the objects of this invention is to provide a novel form of hanger of improved construction which will avoid injury to the garments suspended upon it and which will be of greater durability than the usual type of hanger.

Usual hangers of this type comprise a curved supporting frame to support the shoulder portions of a dress or coat, and in some instances with a central upwardly extending neck portion to fit within the collar of the dress or coat. A suspending member usually in the form of a hook is provided with a straight shank which extends vertically through the central or neck portion of the hanger, and the lower end of the shank is expanded or riveted to prevent withdrawal of the shank. If the shank is sufficiently long to extend beyond the lower edge of the hanger or by reason of wear in use projects below the lower face, as is frequently the case, the projecting end portion is likely to catch and snag the garment when being placed upon it or removed therefrom.

One of the principal objects of the invention is to provide a novel suspending means in which this defect is avoided and to provide a hanger from which the suspending member cannot become detached.

A further object of the invention is to provide a hanger of light weight of great rigidity, preferably formed of thermoplastic material, in which the body portion has a relatively thin web with a peripheral rib extending around the web, thereby reinforcing the web, and also having a curved contour to engage the garment which will avoid wrinkling of the garment when supported upon the hanger.

Another object of the invention is to provide a hanger of the type described in which each of the arms of the hanger is provided with oppositely diverging slots extending downwardly from a space in the upper edge or rib of the hanger to receive the shoulder straps of dresses, ladies' slips, etc., or of children's garments, and which would prevent them from being accidently detached and which would prevent such easy removal of the garment from the hanger as would enable them to be readily stolen.

A further object of the invention is to provide a garment of this character in which the peripheral rib follows not only the general contour of the hanger but also of the strap-receiving slots.

Another object of the invention is to provide a hanger of the character above described in which the end portions of the hanger are provided with oppositely disposed sockets with a resilient rod sprung into the sockets to provide a support for a garment which may be folded over the rod, thereby enabling the device to be used as a skirt hanger or trouser hanger.

These and other objects of the invention will more fully appear from the following description and accompanying drawing and will be pointed out in the claims.

A preferred embodiment of the invention is illustrated in the drawing in which:

Fig. 1 is a side elevation of the hanger.

Fig. 2 is a vertical sectional view on the line 2—2, Fig. 1; and

Fig. 3 is a transverse sectional view on the line 3—3, Fig. 2.

The preferred form of hanger embodying the invention as illustrated in the drawing comprises a body having a neck portion 1 and outwardly and downwardly curved arms 2 and 3 extending in opposite directions from the neck portion. The body of the hanger comprises a thin web, the upper edge of which has an integral peripheral rib 5 of a relatively greater diameter and presenting a smooth curved, preferably cylindrical contour which will support the neck and shoulder portions of the garment without wrinkling them. Desirably, the peripheral rib 5 extends around the ends of the hanger and is provided with enlargements or bosses 6 and 7 having sockets 8 and 9 to receive the end of a resilient bar 10 which may be flexed sufficiently to be snapped into the sockets and retained therein by the resilience of the rod when it resumes its normal position.

Desirably the lower edge of the web is likewise provided with the peripheral rib 11 which may be of somewhat smaller diameter than the rib 5 but which will also form the reinforcement for the hanger.

The arms of the hanger desirably are provided with means of a novel character to support shoulder straps of dresses, slips and the like, in such manner as to prevent easy removal of the shoulder straps therefrom. As illustrated, each of the arms of the hanger is provided at a suitable distance from the neck portion with a downwardly and outwardly inclined slot 12 and also with a downwardly and inwardly inclined slot 13, the entrances of which are spaced apart a short distance in the upper edge of the hanger. The peripheral rib 5 extends around the slots and forms a relatively thick wall which acts as a reinforcement to the hanger and also provides a smooth-curved surface to receive the strap of the garment.

One of the principal features of the invention relates to the means for supporting the hanger in such manner that no projection of the shank of the hanger can possibly engage and snag the garment when placed upon the hanger or removed therefrom. As illustrated herein, the web of the neck portion is provided with a vertical

central aperture 14, and the ribs 9 and 11 desirably are provided with bosses 15 and 16 which extend to and preferably form the upper and lower walls of the slot 14. The suspending member desirably is in the form of a hook 17 having a vertical shank 18 of uniform diameter which extends through the upper boss 15 and is seated at its lower end in a socket 19 in the boss 16 which so encloses the end of the shank 18 that it cannot engage the garment. Suitable means are provided for preventing removal of the hook or suspending means from the hanger. This desirably is accomplished by so deforming a portion of the shank adjacent the boss 15 or upper wall aperture 14 as to prevent withdrawal of the shank from the body of the hanger.

As illustrated in the drawing, the deformation of the shank is produced by swaging the shank after it has been assembled, as above described to provide a narrow enlarged cross section, preferably of cruciform shape 20, as illustrated in Fig. 3. Desirably a washer 21 which fits tightly upon the shank 18 is located between the deformed portion of the shank and the lower end of the boss or the end wall of the slot in the absence of the boss and thereby protects the lower end of the boss 15, or the end wall of the aperture, from abrasion by the deformed portion of the shank if the hook is rotatably adjusted about the axis of the shank as may be desired to support the garment properly upon a wall hook or upon a bar extending parallel to a wall.

By reason of this construction, the hook or the suspending member will be permanently secured to the hanger, and no projecting portion of the shank of the hook member can possibly engage the fabric of the garment.

As above stated, the hanger is desirably made of thermoplastic material which may be of clear transparency, or may be tinted with any suitable color to harmonize with the garment or with the coloring of the wall of the closet or receptacle in which the garment hanger is used.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is:

1. A garment hanger having an integral body of thermoplastic material comprising a neck portion having a peripheral rib and a relatively thin web provided with a central aperture and outwardly and downwardly curved arms extending in opposite directions from said neck portion, a suspending member having a vertical shank mounted centrally in said neck portion and extending across said aperture and journaled in the upper and lower portions of said rib of said body and provided with a deformed portion within said aperture adjacent to the upper wall thereof to prevent detachment of the suspending member from said neck portion.

2. A garment hanger having an integral body of thermoplastic material comprising a neck portion having upper and lower solid peripheral ribs and a relatively thin web therebetween having a central aperture and outwardly and downwardly curved arms extending in opposite directions from said neck portion, a suspending member having a vertical shank mounted centrally in the upper and lower ribs of said neck portion and extending across said aperture with its lower end enclosed by the material of said lower rib and provided with a swaged portion within said aperture adjacent the upper wall thereof, and a washer intermediate of said swaged portion and said upper wall for preventing detachment of the suspending member from the neck portion and for preventing abrasion of said upper wall by the swaged portion of the shank when the hook is rotatably adjusted about the axis of the shank.

3. A garment hanger having a body formed of thermoplastic material comprising a neck portion and outwardly and downwardly curved arms extending in opposite directions from said neck portion, said body having a thin web having a central aperture therein and a relatively thick peripheral rib and with vertically alined bosses in said web centrally of said neck portion extending to said aperture, a suspending hook having a straight shank mounted centrally in the upper boss of said neck portion extending across said aperture and having its end wholly enclosed in a socket in said lower boss, said shank having a narrow swaged portion adjacent the upper boss with a washer intermediate of said swaged portion and said boss to prevent detachment of the hook member from the neck portion.

4. A garment hanger having a body formed of thermoplastic material comprising a thin web formed with a neck portion having a central aperture and outwardly and downwardly curved arms extending in opposite directions from said neck portion, said arms having symmetrically disposed pairs of oppositely diverging slots extending downwardly and longitudinally of said body in opposite directions from narrowly spaced entrances in the upper edge of said arm and a solid integral peripheral rib of greater thickness than the web of said body following the contour of said arms and the slots therein and presenting smooth surfaces to engage the garment, vertically alined central upper and lower bosses extending from said peripheral rib to said central aperture, a hook having a vertical shank mounted in said upper boss and extending across said aperture and seated at its lower end in a closed socket in the lower boss, said shank having a swaged section in said aperture in proximity to said upper boss for preventing detachment of said suspending member from said neck portion and a washer between the upper boss and the swaged section.

5. A garment hanger having a body formed of thermoplastic material comprising a thin web formed with a neck portion and outwardly and downwardly curved arms extending in opposite directions from said neck portion, said arms having symmetrically disposed pairs of oppositely diverging slots extending downwardly and longitudinally of said body in opposite directions from narrowly spaced entrances in the upper edge of said arm, integral solid upper and lower peripheral ribs of greater thickness than the web of said body following the contour of said neck portion, the arms and the slots therein and presenting smooth surfaces to engage the garment, and a hook-shaped suspending member having a straight shank mounted centrally in the upper rib of said neck portion and in a closed socket in the lower rib thereof.

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