Aug. 13, 1957 J. A. MOORE 2,802,577

GARMENT HANGER

Filed Aug. 30, 1955

Fig. 1

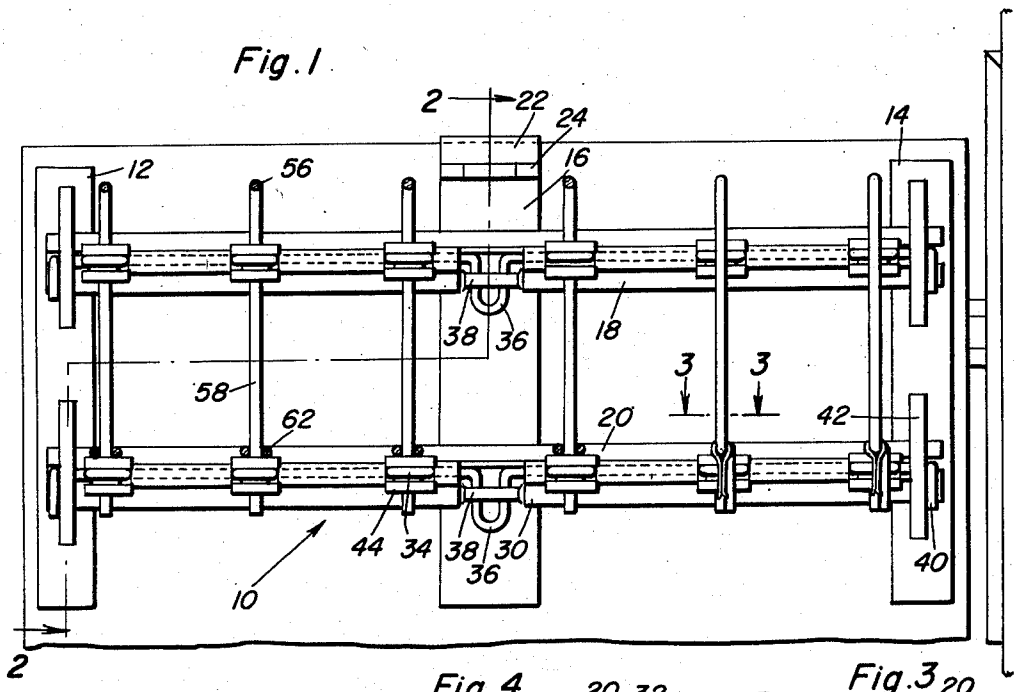


Fig. 4

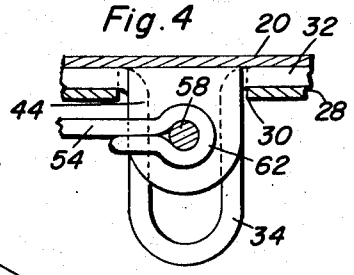


Fig. 3

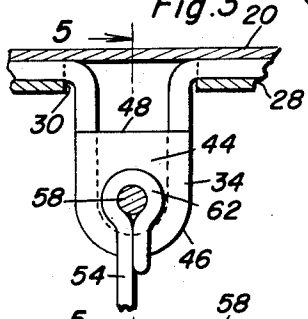


Fig. 2

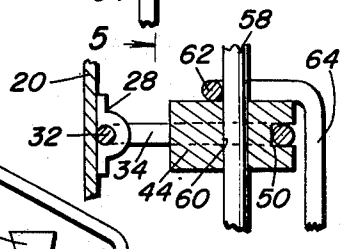


Fig. 5

Fig. 6

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GARMENT HANGER

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Application August 30, 1955, Serial No. 531,401

2 Claims. (Cl. 211—96)

This invention generally relates to new and useful improvements in supporting devices, and more specifically a garment hanger which is an improvement over my prior patent, No. 2,589,564, issued March 18, 1952.

An object of the present invention is to provide a garment hanger for hanging garments such as trousers, skirts or the like on a support, such as the interior of a closet door wherein the garment hangers may be disposed in a position perpendicular to the door for positioning the garments thereon and supporting the garments during the selection thereof and folded to a position alongside the supporting surface and moved toward such supporting surface and retained in this folded position.

A further object of the present invention is to provide an improved construction in accordance with the preceding object wherein a plurality of supporting frames are pivotally and slidably mounted in pairs of vertically aligned bearings wherein each of the frames is provided with a projecting member which permits swinging past the ends of the bearing supports when the bearings and the hanger frames are at their outermost position and which engages the bearing supports when the bearings and frames are moved to a position generally parallel to the support and pushed inwardly, thereby retaining the garment hanger frames and the garments thereon alongside the supporting surface in generally overlapping relation.

Other objects of the present invention will reside in its simplicity of construction, efficiency and ease of operation, adaptation for its particular purposes and its relatively inexpensive manufacturing costs.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a side elevational view of the garment hanger of the present invention;

Figure 2 is a sectional view taken substantially upon a plane passing along section line 2—2 of Figure 1 illustrating the details of construction of the device of the present invention;

Figure 3 is a detailed sectional view taken substantially upon a plane passing along section line 3—3 of Figure 1 illustrating the construction of the U-shaped portions with the slidable bearings therein;

Figure 4 is a view similar to Figure 3 illustrating the folded position of the garment supports and the position of the bearings;

Figure 5 is a detailed sectional view taken substantially upon a plane passing along section line 5—5 of Figure 3 illustrating the details of one of the bearing members; and

Figure 6 is a detailed sectional view taken substantially upon a plane passing along section line 6—6 of Figure 2 illustrating the details of the garment clamps.

With reference to the accompanying drawings, the

numeral 10 generally designates the garment hanger of the present invention including a pair of outer vertically disposed supporting straps 12 and 14 and a central supporting strap 16, all of which are positioned in coplanar relation and interconnected by upper and lower interconnecting straps or members 18 and 20. The upper end of the center strap 18 is provided with a grip member 22 connected thereto by hinge means 24 for positioning over the upper edge of a supporting door 26 or any other suitable supporting surface, thereby supporting the garment hanger 10 in a detachable manner.

The interconnecting straps 18 and 20 are each provided with an elongated U-shaped channel forming member 28 having a plurality of longitudinally spaced openings 30 therein. Disposed in each of the U-shaped channel forming members 28 is an elongated rod 32 having forwardly projecting U-shaped portions 34 extending through the longitudinally spaced openings 30. Centrally in the rod 32 is a depending U-shaped projection 36 engaging the front surface of the central strap 16 and extending behind a cross-strap 38 bridging the central opening 30, thereby securing the U-shaped projections or portions 34 in perpendicular relation to the supporting surface 26. The ends of the rods 32 are offset, as indicated by the numeral 40 and project through struck-out loop-shaped portions 42 for securing the ends of the rods 32 in position on the outer straps 12 and 14.

Slidably mounted in each of the U-shaped portions 34 is a bearing member 44 having a rounded outer end 46 and a flat inner end 48 together with a peripheral recess 50 extending around the rounded end and the side edges of the bearing 14 and slidably receiving the U-shaped portion 34 of the wire rod 32. The bearings 44 are arranged in vertically disposed pairs in the vertically disposed U-shaped portions 34 which are in alignment.

A garment supporting frame, generally designated by the numeral 52, is supported in each pair of vertically aligned bearings and includes a horizontal portion 54, an inwardly and upwardly inclined portion 56 and a vertical portion 58 all formed from a single piece of material wherein the vertical portion 58 extends through apertures 60 in the bearings 44 for journaling the same therein. The inner end of the horizontal portion 54 is bent around the vertical portion 58 in the form of an eye, as designated by the numeral 62, and terminates in a depending vertical projection 64 which extends in spaced parallel relation to the bottom end of the vertical portion 58 and is so arranged that it will pass around the outer end of the U-shaped portion 44 and the rounded end 46 of the bearings 44 when the bearings 44 are in the outermost ends of the U-shaped portions 34. However, when the frame 52 is pivoted to a position generally parallel to the supporting surface 26, the bearings 44 may be pushed inwardly wherein the projections 64 will then engage the outer edges of the legs of the U-shaped portion 34, thereby retaining the frame 52 in a position alongside the supporting surface 26.

A pair of clamps 66 are provided on the horizontal portion 54 for engaging trousers, skirts or similar garments designated by the numeral 68. These clamps 66 include spring members 70 urging the clamping surfaces 72 together in engagement with the garment 68.

It will be noted that depending projection 64 extends in front of the U-shaped portion 34 of the wire rod 32 thereby acting as a stabilizer to prevent inward sliding movement of lower bearing member 44 due to the weight of the article supported and the frame 52 for retaining the portion 54 in horizontal position.

The device may be constructed of any suitable material, such as sheet metal or the like, and provides a foldable and collapsible support for a plurality of garments 68 on a closet door 26 or the like wherein the supporting

frame 52 may be supported in perpendicular or parallel relation to the door 26.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A garment hanger comprising a pair of vertically spaced horizontal channel members having longtudinally spaced slots arranged in vertical pairs, a vertical attaching strap interconnecting said channel members in the center thereof, a pair of upper and lower rods extending through said channel members and having horizontal forwardly projecting U-shaped portions extending out of said slots whereby said U-shaped portions are aligned in vertical pairs and the rods prevented from endwise movement in the channel members, vertically spaced pairs of upper and lower grooved bearing members straddled by the pairs and U-shaped portions and slidable forwardly and rearwardly therein, triangular garment supporting frames supported by said pairs of bearing members for

adjustment forwardly and rearwardly by sliding of said pairs of bearing members forwardly and rearwardly, said frames comprising vertical portions rotatable in the pairs of bearing members for swinging of said frames into different angular positions relative to said channel members.

2. A garment hanger as in claim 1, said frames including bottom depending portions overhanging the lower U-shaped portions for engagement therewith to lock the bearing members in forward position in one angular position of the frames and engageable with said lower U-shaped portions to establish another angular position of said frames.

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