

July 14, 1953

H. D. EVANS
GARMENT SUPPORT

2,645,355

Filed Jan. 13, 1950

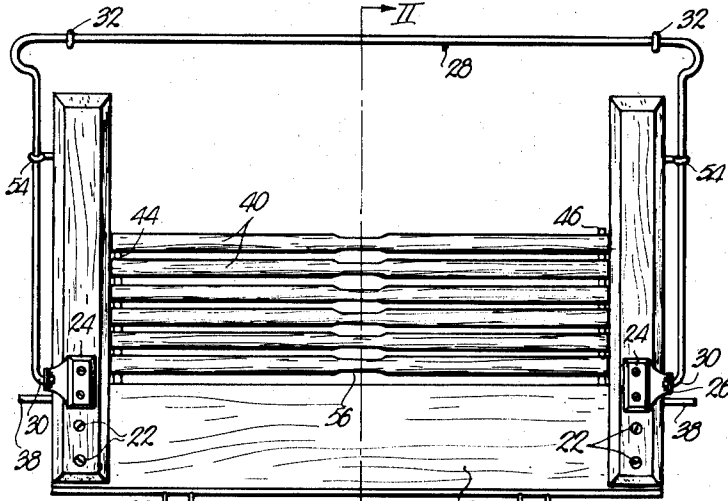


Fig. 1.

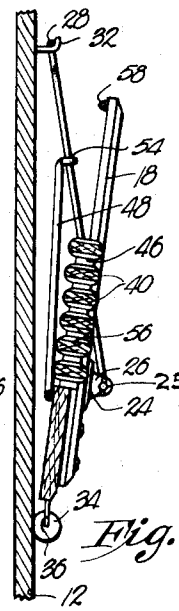


Fig. 2.

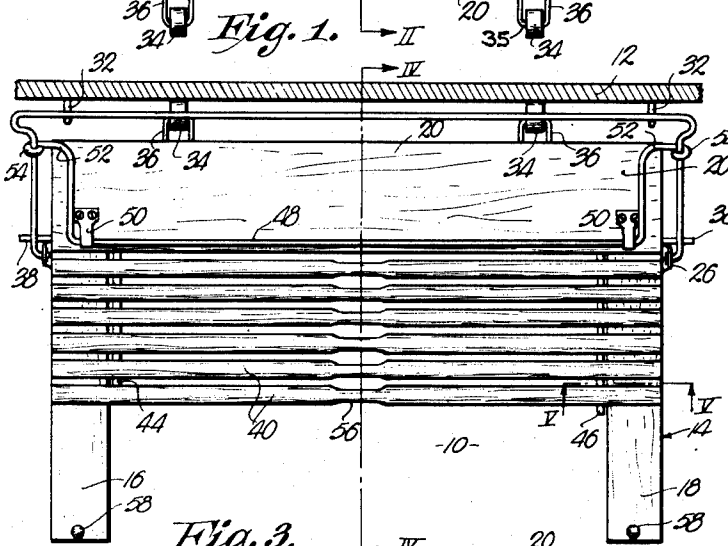


Fig. 3.

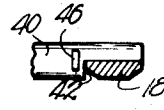


Fig. 5.

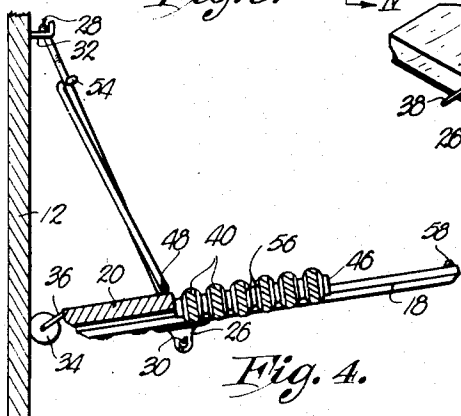


Fig. 4.

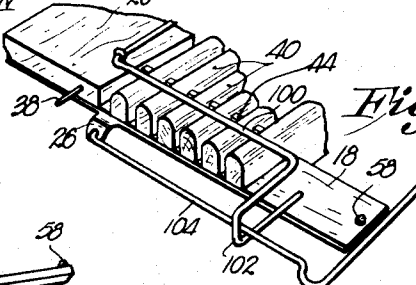


Fig. 6.

INVENTOR.
Harold D. Evans
BY *Carl H. Evans*
ATTORNEY.

UNITED STATES PATENT OFFICE

2,645,355

GARMENT SUPPORT

Harold D. Evans, Kansas City, Mo., assignor of
one-half to Helen L. Evans, Kansas City, Mo.,
and one-half to said Harold D. Evans, as joint
tenants

Application January 18, 1950, Serial No. 139,285

4 Claims. (Cl. 211-104)

1

This invention relates to garment supports of the kind adapted for mounting upon a vertical wall or the like and swingable to and from a substantially vertical position where the same, with the garments thereon, are out of the way and neatly arranged in an attractive manner.

It is the primary object of the present invention to improve upon the garment hanger forming the subject matter of my co-pending application, Serial No. 113,600, filed September 1, 1949, which became U. S. Patent No. 2,582,320 on January 15, 1952, this being a continuation in part thereof.

The most important object of the present invention is to provide a garment support particularly adapted to receive a plurality of trousers in looped relationship over hanger rods or bars therefor, there being a pair of swingable arms for receiving the bars in spanning relationship thereto with the trousers hanging vertically between the arms.

An important object of the present invention is to provide a garment support including a substantially U-shaped member presenting a pair of laterally extending arms for receiving the aforesaid bars, the U-shaped member being provided with a hanger pivotally secured thereto for in turn pivotally mounting the entire support upon a vertical wall or the like whereby the same may be swung to and from a vertical position when not in use with the trousers hanging in overlapped relationship adjacent the wall.

Additional objects relate to the way in which the trouser-receiving bars are held upon the supporting arms when the support is swung against the wall; the way in which the holding means for the bars moves to a position permitting unrestricted removal and replacement of the trouser hangers and the trousers thereon when the assembly is in the horizontal position; and the way in which there are provided rollers engageable with the vertical wall and movable therealong as the support is moved to and from an operative position.

In the drawing:

Fig. 1 is a front elevational view of a garment support made in accordance with my present invention showing the same in its substantially vertical, normally inoperative position.

Fig. 2 is a transverse, cross-sectional view taken on line II—II of Fig. 1.

Fig. 3 is a horizontal, sectional view through a vertical wall or the like upon which the support is mounted and showing a top plan view of the latter.

2

Fig. 4 is a transverse, cross-sectional view taken on line IV—IV of Fig. 3.

Fig. 5 is a fragmentary, detailed, cross-sectional view taken on line V—V of Fig. 3; and

Fig. 6 is a fragmentary, top perspective view showing one end of a modified form of garment support made in accordance with the present invention.

The garment support forming the modifications of Figs. 1 to 4 inclusive, is broadly designated by the numeral 10 and as will hereinafter appear, is adapted for mounting upon a vertical wall or the like 12. Manifestly, the character of the support 12 is of no material consequence and it is contemplated that support 10 may well be attached to a door for closets whereby the entire support 10 may be enclosed within the closet if desired when not in use.

Garment support 10 includes a U-shaped member 14 that in turn comprises a pair of elongated, spaced, parallel arms 16 and 18. In addition, member 14 includes a bight 20 that interconnects the arms 16 and 18 at one end thereof through the medium of suitable fastening elements 22. It is noted that the bight 20 of member 14 overlaps the normally uppermost faces of arms 16 and 18.

Each arm 16 and 18 is provided with a bracket 24 secured directly to the normally lowermost face thereof adjacent the innermost longitudinal edge of bight 20. Brackets 24 each extend outwardly beyond the outermost longitudinal edge of the corresponding arms 16 or 18 and have a downwardly extending perforated ear 26 integral therewith. Brackets 24 are adapted to receive a substantially U-shaped hanger 28 for mounting the member 14 upon the wall 12. The outermost free ends of the legs of hanger 28 each have an intumed pintle 30 that passes into the perforation 25 of the corresponding ear 26 for free pivotal movement therein.

A number of hooks or like fastening elements 32 serve to attach the hanger 28 to the wall 12 by engagement with the bight of hanger 28. It is clear that the bight of hanger 28 is substantially horizontal and parallel with wall 12. A number of rollers 34 adapted to ride upon wall 12 as member 14 is swung from the substantially vertical position shown in Figs. 1 and 2 to the substantially horizontal position of Figs. 3 and 4, are freely rotatable on the bight 35 of a U-shaped attachment 36 secured to the rearmost and outermost longitudinal edge of the bight 20.

Each arm 16 and 18 of member 14 is provided with a stop pin 38 extending outwardly from the

outermost longitudinal edge thereof adjacent the brackets 24 for receiving the arms of hanger 28 and thereby limiting the extent of downward swinging movement of the member 14 and holding the same in the substantially horizontal position illustrated in Figs. 3 and 4. It is noted in Fig. 4 that the member 14 is slightly inclined toward the wall 12 when in the normally operative position to prevent a number of garment-receiving bars 40 from slipping from the arms 16 and 18. The bars 40 are elongated and substantially oval in cross-section as shown in Figs. 2 and 4. The length of bars 40 is substantially the same as the distance between the outermost longitudinal edges of the arms 16 and 18, and as shown in Fig. 5, each end of each bar 40 is cutaway as at 42 for receiving the corresponding arm 16 or 18 when bars 40 are in resting relationship upon the member 14. It is contemplated that the bars 40 be used in receiving the garments to be hung with the latter in looped or draped relationship over the bars 40 and hanging downwardly between the arms 16 and 18.

In this regard, it is manifest that bars 40 are particularly adapted to receive a plurality of trousers. The garments being supported are protected by means of the provision of a pair of spacers 44 and 46 on opposite faces respectively of each bar 40. It is noted also that spacers 44 and 46 are adjacent opposite ends of the respective bar 40 and spaced inwardly from cutaway portions 42 thereof. When the member 14 is swung to the position shown in Figs. 1 and 2, bars 40 being held apart by spacers 44 and 46, will protect the garments and prevent creases being formed therein.

Figs. 2 and 4 also show the way in which the longitudinal edges of the bars 40 are rounded to further aid in the prevention of creases being formed in the garments. As the member 14 is swung from the substantial, horizontal position shown in Figs. 3 and 4, bars 40 will be supported in superimposed relationship by the innermost longitudinal edge of the bight 20.

A substantially U-shaped holder 48 is provided to maintain the bars 40 upon the member 14 when the latter is swung to the position illustrated in Figs. 1 and 2. Holder 48 has its bight upon the normally uppermost face of the bight 20 adjacent the innermost longitudinal edge of the latter and is swingably secured thereto by means of a pair of spaced-apart brackets 50.

Each leg of the holder 48 is provided with an out-turned extension 52 that in turn is provided with a loop 54 that encircles the proximal leg of hanger 28 in free sliding relationship thereto. It is seen in Fig. 2 that the legs of holder 48 are substantially parallel with the arms 14 and 16 when the member 14 is swung to the vertical, inoperative position and that the bars 40 are disposed between arms 14 and 16 and the legs of holder 48. When the member 14 is swung downwardly to the substantially horizontal position, loops 54 slide upwardly with respect to the legs of bracket 28 and the bight of holder 48 rotates freely within brackets 50, thereby leaving all of the bars 40 clear and freely removable from the arms 14 and 16 without interference by holder 48. The bars 40 are cutaway near the center thereof as at 56 to accommodate the seams of the trouser legs and a stop 58 is provided on the uppermost face of each leg 14 and 16 respectively adjacent the outermost free ends thereof for further assuring that the bars 40 will not slide from the arms 14 and 16.

It is not always necessary to swing member 14 to the horizontal position since the uppermost pair of trousers can be removed or replaced even when member 14 is vertical.

In the modified form of my invention, illustrated in Fig. 6 of the drawing, there is provided a holder 100 that is similar to the holder 48 above described, with the exception that the loops 54 are eliminated and a U-shaped slide 102 is provided integral with the legs of holder 100. The slides 102 embrace the corresponding legs of a hanger 104 that is identical with hanger 28 above described.

It is necessary in the form of Figs. 1 to 5 inclusive that at least one bar 40 be in place on member 14 to maintain holder 48 spaced from arms 14 and 16, whereby to permit removal and insertion of bars 40 with ease when the member 14 is vertical.

Holder 100 serves the same purpose as holder 48 with respect to holding the trouser-receiving bars in place, but by provision of the slide 102, the bars are more readily removed from the garment hanger when the same is in the inoperative, vertical position. The distance between the legs of the slide 102 is slightly greater than the width of the ends of bars 40 and accordingly, the latter can be moved upwardly through the slides 102 with ease. Furthermore, by forming the holder 100 as illustrated in Fig. 6, the legs thereof are disposed more nearly parallel with the corresponding arms of the member 14 when the latter is in the inoperative position.

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

1. A garment support comprising a member having a pair of spaced arms; a number of garment-receiving bars on the arms in spanning relationship thereto; a hanger pivotally attached to said member for mounting the same on a vertical wall or the like; and holding means for the bars pivoted to the member and slidably connected to the hanger, said holding means being swingable toward and away from the bars as the member is swung toward and away respectively from a substantially vertical position adjacent said wall, said hanger extending outwardly from the arms for clearing the latter when swung to said vertical position, said holding means extending inwardly of the hanger whereby to overlie the ends of the bars to hold the latter in place against the arms when the member is in said vertical position.

2. A garment support comprising a member having a pair of spaced arms; a number of garment-receiving bars on the arms in spanning relationship thereto; a hanger having a pair of legs pivotally attached to said member for mounting the same on a vertical wall or the like; and holding means for the bars pivoted to the member and having a leg slidably connected to each leg respectively of the hanger, said legs of the holding means being swingable toward and away from the bars as the member is swung toward and away respectively from a substantially vertical position adjacent said wall, the legs of the hanger extending outwardly from the arms for clearing the latter when swung to said vertical position, the legs of the holding means extending inwardly of the legs of the hanger whereby to overlie the ends of the bars to hold the latter in place against the arms when the member is in said vertical position.

3. A garment support as set forth in claim 1,

5

wherein said member, said hanger and said holding means are each U-shaped.

4. A garment support as set forth in claim 2, wherein the slidable connection between the legs of the holding means and the legs of the hanger comprises a U-shaped slide on each leg respectively of the holding means in alignment with the bars and adapted to clear the latter for removal from said arms when the member is in said substantially vertical position.

HAROLD D. EVANS.

6

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
1,000,896	Cohen -----	Aug. 15, 1911
1,264,864	Roth -----	Apr. 30, 1918
1,281,318	Elmendorf -----	Oct. 15, 1918
1,341,654	Lincoln -----	June 1, 1920
1,639,021	Batts -----	Aug. 16, 1927
1,982,972	Van Roosendael ----	Dec. 4, 1934
2,508,871	Stein -----	May 23, 1950
2,582,320	Evans -----	Jan. 15, 1952