Feb. 8, 1949. D. C. MYERS 2,460,997

CLOTHES HANGER ASSEMBLY

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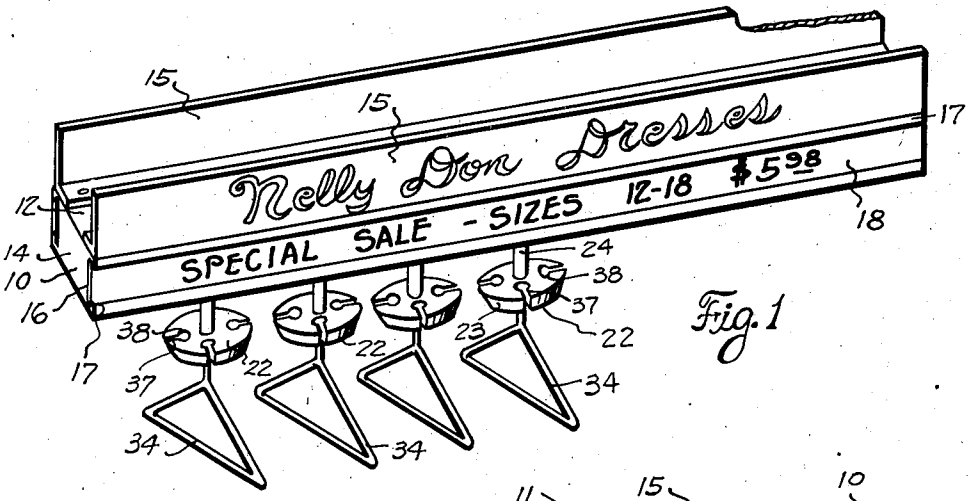


Fig. 1

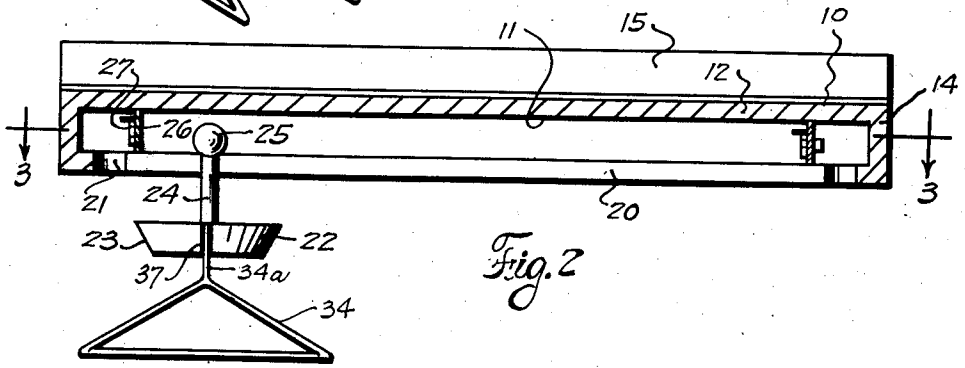


Fig. 2

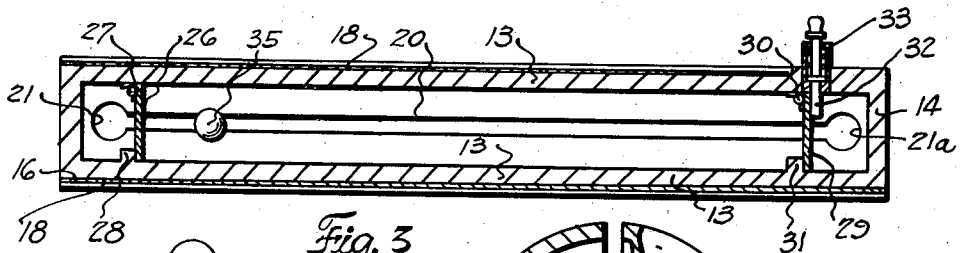


Fig. 3

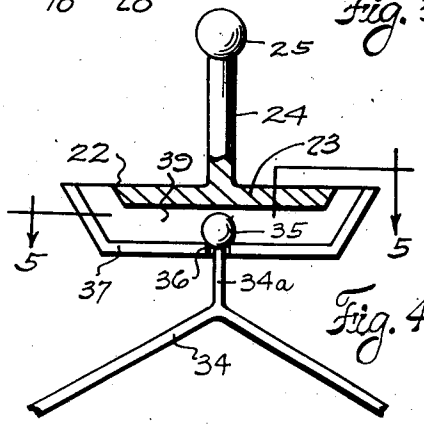


Fig. 4

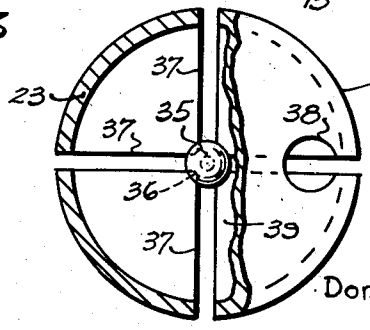


Fig. 5

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CLOTHES HANGER ASSEMBLY

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4 Claims. (Cl. 211—123)

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This invention relates to new and useful improvements in clothes hanger assemblies.

One object of the invention is to provide an improved clothes hanger assembly which is particularly adapted for use in stores and other merchandising establishments and which not only efficiently supports the clothes but also provides ample advertising and sign space which may be utilized in promoting the sale of the clothes supported thereby.

An important object of the invention is to provide an improved clothes hanger assembly having a main longitudinal supporting member which is disposed above the suspended or supported clothes, the top and sides of said member being entirely unrestricted, whereby suitable display signs, advertising material, price or descriptive information, and the like, relating to the supported clothes may be mounted on said member and are clearly visible to the prospective purchaser.

Another object of the invention is to provide an improved clothes hanger assembly including a main supporting member within which hanger brackets are slidably and rotatably mounted, together with means in said brackets for removably receiving hangers on which the clothes are supported; the arrangement making it possible to freely rotate the clothes, for better display, without removing the hanger from the bracket or from the main support and also facilitating complete removal of the clothes and hanger from the bracket.

Still another object of the invention is to provide an improved hanger assembly, of the character described, wherein a hanger bracket is slidable longitudinally and is rotatable within a slot in a main supporting member, whereby said bracket may be moved or rotated with respect to the member without removal therefrom; said bracket being constructed to receive the upper end of the clothes hanger which is rotatable with respect thereto and which is readily removable therefrom, whereby said hanger may be removed without disturbing the connection between the bracket and main support.

A still further object of the invention is to provide an improved hanger assembly, of the character described, wherein suitable advertising or display signs may be mounted on the unrestricted top of the main supporting member and also wherein readily removable or replaceable signs may be mounted on the sides of the supporting member, whereby maximum advertising and display space is available without interfering in any

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manner with the normal function of the assembly as a clothes display and support.

The construction designed to carry out the invention will be hereinafter described together with other features of the invention.

The invention will be more readily understood from a reading of the following specification and by reference to the accompanying drawing, wherein an example of the invention is shown, and wherein:

Figure 1 is an isometric view of a clothes hanger assembly, constructed in accordance with the invention,

Figure 2 is a longitudinal, sectional view taken through the main supporting member,

Figure 3 is a horizontal, cross-sectional view taken on the line 3—3 of Figure 2,

Figure 4 is an enlarged, transverse, sectional view of the hanger bracket, and

Figure 5 is a horizontal, cross-sectional view taken on the line 5—5 of Figure 4.

In the drawings, the numeral 10 designates a main supporting member which is illustrated as generally box-like in shape. The interior of the member is provided with an internal cavity 11 and the top 12, sides 13 and ends 14 are closed. The flat top 12 is completely unrestricted and is adapted to have upright sign panels 15 suitably secured to its longitudinal edge portions. The panels may carry any suitable advertising indicia. The longitudinal side walls 13 of the member 10 are formed with grooves 16 so that overhanging flanges 17 which extend longitudinally along the top and bottom of said side walls are provided. Elongate strips 18 which may be constructed of paper or other display material are adapted to be slid into the groove 16 so as to be retained by the overhanging longitudinal flanges 17. The strips 18 may carry any suitable indicia regarding advertising, price or the like which relates to the particular clothes which are supported. One of the strips 18 terminates short of the end of the member 10, as is clearly shown in Figure 3. Although the supporting member is shown as generally box-like, the invention is not to be limited to this specific construction since said member could be formed of two side panels suitably connected by a longitudinal bottom strip, or in any other desired manner.

For supporting the clothes to be displayed and offered for sale, the bottom 19 of the main supporting member 10 is formed with a longitudinal, central groove 20 which extends substantially throughout the length of said bottom. Enlarged circular openings 21 and 21a are provided at each

end of the groove 20 and communicate therewith. A hanger bracket 22 which may be of any desired construction but which preferably comprises a supporting disk 23 having an upstanding shank 24 is arranged to be suspended from the main support 10. The shank 24 of the bracket is provided with a ball 25 at its upper end and this ball is of a diameter which makes said ball readily insertable or removable through the circular openings 21 and 21*a* at the ends of the groove 20. It will be evident by observing Figures 2 and 3 that the ball 25 of the bracket 22 may be inserted through the opening 21 so that the ball is disposed within the internal cavity 11 of the main supporting member 10. The shank 24 of the bracket may then be moved inwardly along the slot 20 and obviously since the ball is of a larger size than said slot, the hanger will be suspended from the main supporting member 10.

The ball of the hanger is insertable into the member 10 through the opening 21 at one end of the slot 20. To prevent displacement of the bracket by said bracket moving back into alignment with the opening 21, a pivoted entrance gate 26 is mounted within the member and extends across the interior thereof. The gate is pivoted on a spring hinge 27 which normally holds said gate in closed position against a stop lug 28. When the ball 25 of the hanger bracket is inserted upwardly through the opening 21 and the bracket is then moved inwardly, it will be obvious that the gate 26 may be readily swung inwardly to permit the ball 25 and shank 24 of the bracket to pass said gate. As soon as the ball and shank have moved beyond the gate, the spring hinge 27 will again close the gate against the stop lug 28.

In order to remove the hanger bracket from its supported position within the member, the bracket is slid longitudinally through the slot 20 to that end opposite the entrance opening 21. At this end an exit gate 29 is pivoted on a spring hinge 30 and normally extends across the interior of the member in a closed position abutting a stop lug 31. A spring-pressed latch pin 32 which is mounted in a suitable sleeve 33 in one side wall 13 of the member 10 has its inner end engaging the exit gate 29. So long as the latch pin 32 is in its inner normal position, the exit gate 29 cannot be swung to an open position. When it is desired to remove the hanger bracket it is only necessary to manually retract the latch pin 32 and then by urging the ball and shank of the bracket against the exit gate, the gate will be swung to an open position allowing the ball 25 of the bracket to be aligned with the exit opening 21*a* at the opposite end of the slot 20. Of course after the exit gate is closed, the latch pin is released to again lock the exit gate in its closed position.

From the above it will be seen that a plurality of hanger brackets 22 may be supported within the longitudinal slot 20 of the main supporting member 10. The particular size or length of the member 10 is, of course, subject to variation and will control the number of brackets which may be supported thereby. Each hanger bracket 22 is arranged to receive and support an ordinary clothes hanger 34 which hanger is provided with a supporting ball 35 at the upper end of its shank. Although the bracket 22 is subject to variation it is preferable that it be formed with a central opening 36 in its bottom, which opening is of a diameter smaller than the diameter of the ball of the hanger 34. Extending radially from the central opening 36 are a plurality of slots 37, said slots extending from said opening to the outer peripheral edge of the disk 23 of the bracket. Circular openings 38 are formed in the top of the disk 23 and communicating with the circular openings is an internal cavity 39 formed within said disk. In inserting the hanger into supporting position, the shank 34*a* of said hanger is passed into one of the slots 37 until the ball 35 is aligned with the circular opening 38 in the top of the bracket. When so aligned, the ball 35 may move downwardly into the cavity 39 provided within the bracket and the hanger may be moved into axial alignment with the disk, whereby the ball 35 is supported over the reduced central opening 36 in the bottom of the hanger disk 23. In such position, the hanger is suspended from the bracket and may rotate freely with respect thereto. It is noted that it is preferable to provide four of the entrance slots 37 together with the entrance openings 38 but the results could be just as easily obtained with only one entrance slot and opening. It has been found that since the bracket 22 is freely rotatable with respect to the main supporting member 10, the provision of a plurality of entrance slots and openings in the bracket disk facilitates the insertion and removal of the hanger 34 therefrom since it is not necessary to rotate the disk 23 to align a single entrance opening with the hanger.

From the foregoing it will be seen that a very simple and effective hanger assembly is provided. The main supporting member 10 is constructed so that its top may support advertising panels and its sides may receive advertising strips, the latter being readily removable for easy replacement. Each hanger bracket may be readily inserted into its suspended or supported position through the opening 21 and entrance gate 26. When in position, each hanger bracket may be slid longitudinally to any position along the slot 20 and may also be freely rotated. Removal of each hanger bracket is just as readily accomplished by merely retracting the latch pin 32 which allows the bracket to move past the hinged exit gate and then out through the exit opening 21*a*. Each bracket 22 is adapted to rotatably support a clothes hanger 34 which is rotatable with respect to the bracket. The hanger may be easily inserted or removed from the bracket through any one of the entrance slots 37 and openings 38. It will be obvious that the clothes supported on the hanger 34 may be rotated freely while in a suspended position and this makes it much easier to display said clothes to a prospective customer.

It is again noted that the particular construction of the hanger bracket 22 is subject to variation. So long as this bracket is rotatable and movable longitudinally with respect to the main support 10 and is also capable of rotatably supporting the hanger, the purposes of the invention will be accomplished. It is manifest that the assembly may be constructed of metal, wood or any other suitable material.

The foregoing description of the invention is explanatory thereof and various changes in the size, shape and materials, as well as in the details of the illustrated construction may be made, within the scope of the appended claims, without departing from the spirit of the invention.

What I claim and desire to secure by Letters Patent is:

1. A clothes hanger assembly including, a longitudinal supporting member having a bottom, the

bottom of the supporting member having a longitudinal slot therein with an enlarged opening at one end thereof, a hanger bracket having an upstanding shank provided with a supporting ball at its upper end, said ball being insertable through the enlarged opening into the interior of the member and having a diameter larger than the slot, whereby the hanger bracket is suspended from the member while being rotatable and movable longitudinally with respect thereto, and a clothes hanger removably and rotatably suspended from the bracket.

2. A clothes hanger assembly including, a longitudinal supporting member having a bottom, the bottom of the supporting member having a longitudinal slot therein with an enlarged opening at one end thereof, a hanger bracket having an upstanding shank provided with a supporting ball at its upper end, said ball being insertable through the enlarged opening into the interior of the member and having a diameter larger than the slot, whereby the hanger bracket is suspended from the member while being rotatable and movable longitudinally with respect thereto, the bracket having a central opening in its bottom together with an entrance slot leading thereto from the outer edge of the bracket, and a clothes hanger having an upstanding shank formed with a supporting ball at its upper end, said supporting ball of the hanger being of a diameter larger than the central opening, whereby when the ball and shank are inserted through the entrance slot and the ball overlies the central opening within the bracket, said hanger being rotatably suspended from the bracket.

3. A clothes hanger assembly including, a longitudinal box-like supporting member having a closed bottom, the bottom of the supporting member having a longitudinal slot therein with an enlarged opening at one end thereof, a hanger bracket having an upstanding shank provided with a supporting ball at its upper end, said ball being insertable through the enlarged opening into the interior of the member and having a diameter larger than the slot, whereby the hanger bracket is suspended from the member while being rotatable and movable longitudinally with respect thereto, the bottom of the supporting member also having a second enlarged exit opening at that end of the longitudinal slot opposite the first opening, spring-pressed entrance gate adjacent the first opening and arranged to swing inwardly of the slot, a spring-pressed exit gate adjacent the exit opening, and adapted to swing outwardly of the slot, a manually operable latch normally locking the exit gate against movement,

whereby after the hanger bracket is in its supported position with the slot said gates prevent displacement of the bracket from the slot, and a clothes hanger removably and rotatably suspended from the bracket.

4. A clothes hanger assembly including, a longitudinal box-like supporting member having a closed bottom, the bottom of the supporting member having a longitudinal slot therein with an enlarged opening at one end thereof, a hanger bracket having an upstanding shank provided with a supporting ball at its upper end, said ball being insertable through the enlarged opening into the interior of the member and having a diameter larger than the slot, whereby the hanger bracket is suspended from the member while being rotatable and movable longitudinally with respect thereto, the bottom of the supporting member also having a second enlarged exit opening at that end of the longitudinal slot opposite the first opening, a spring-pressed entrance gate adjacent the first opening and arranged to swing inwardly of the slot, a spring-pressed exit gate adjacent the exit opening, and adapted to swing outwardly of the slot, a manually operable latch normally locking the exit gate against movement, whereby after the hanger bracket is in its supported position within the slot said gates prevent displacement of the bracket from the slot, the bracket having a central opening in its bottom together with an entrance slot leading thereto from the outer edge of the bracket, and a clothes hanger having an upstanding shank formed with a supporting ball at its upper end, said supporting ball of the hanger being of a diameter larger than the central opening, whereby when the ball and shank are inserted through the entrance slot and the ball overlies the central opening within the bracket, said hanger being rotatably suspended from the bracket.

DONALD C. MYERS.

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