July 3, 1951 W. A. PENN 2,558,911

CLOTHES HANGER FOR AUTOMOTIVE VEHICLES

Filed Aug. 12, 1949

FIG 1

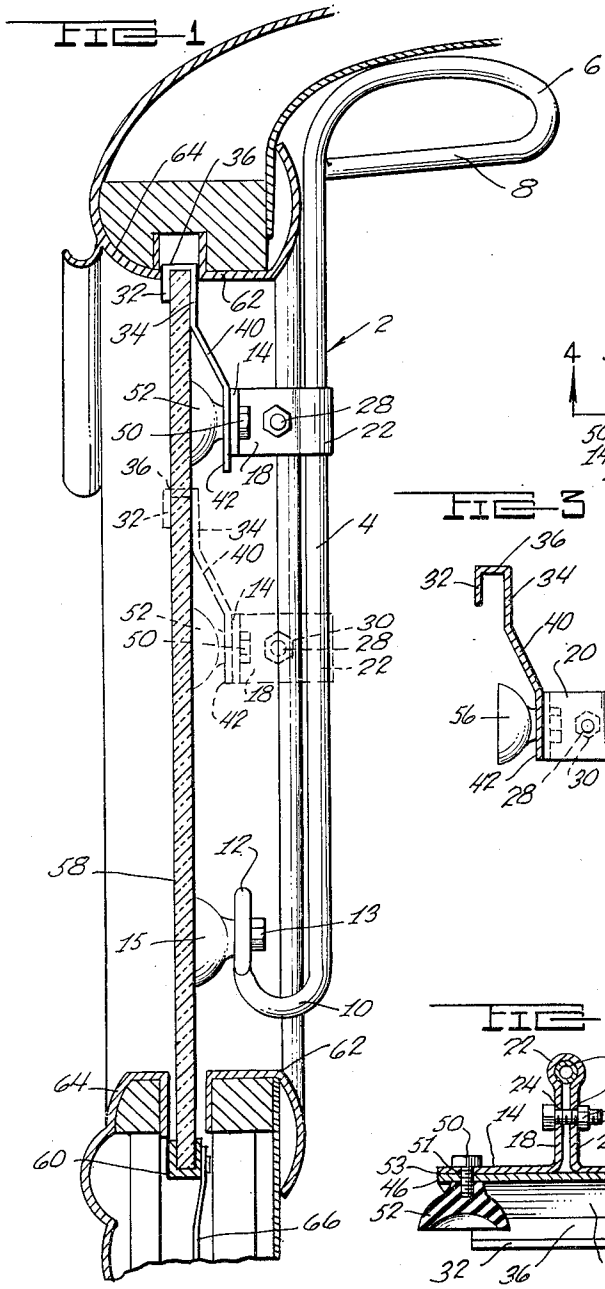


FIG 2

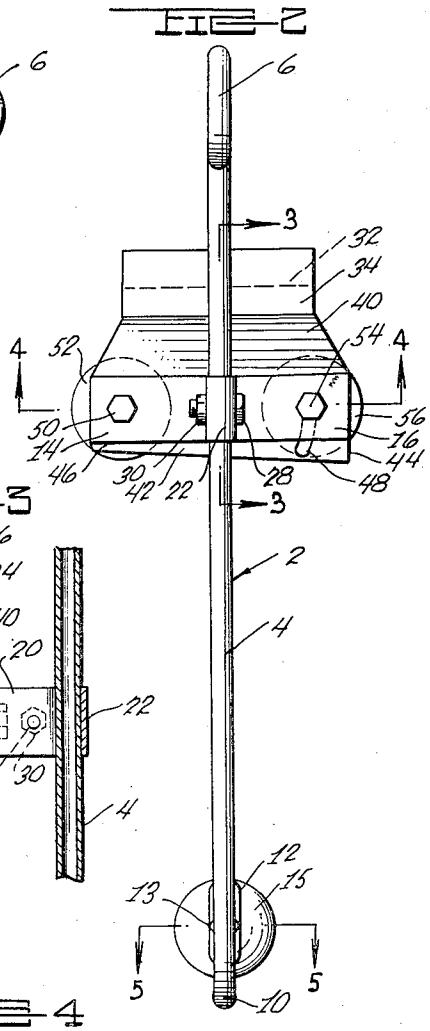
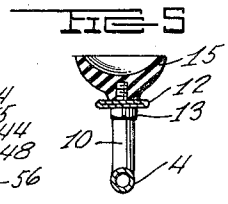


FIG 3

FIG 4

FIG 5



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CLOTHES HANGER FOR AUTOMOTIVE VEHICLES

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5 Claims. (Cl. 248—206)

1

This invention relates to clothes hangers, and more especially, to clothes supports designed for use in conjunction with automotive vehicles.

A primary object of this invention is to provide a device for supporting clothes in an automobile, the device adapted for attachment to a vehicle windowpane.

A further object of this invention is to provide a device of the type described, the device having adjustable means for supporting the clothes support in vertical position.

Another object of this invention is to provide a clothes hanger which may be detachably connected with and supported on an automobile window.

A still further object of this invention is to provide a bracket supported clothes hanger of non-complex construction, simple to use, and inexpensive to manufacture.

Other and further objects and advantages of this invention will become apparent from a consideration of the following specification when read in the light of the annexed drawings, in which:

Figure 1 is a side elevation of a clothes hanger constructed in accordance with this invention, the hanger being illustrated as mounted on an automobile windowpane;

Figure 2 is a front elevation of the hanger shown in Figure 1;

Figure 3 is a cross-sectional view taken on the line 3—3 of Figure 2, showing details of the top bracket;

Figure 4 is a cross-sectional view taken on the line 4—4 of Figure 2, showing further details of the top bracket construction; and,

Figure 5 is a cross-sectional view taken on line 5—5 of Figure 2, illustrating details of the lower bracket.

Referring now more particularly to the drawings, reference numeral 2 refers, in general, to a clothes hanger constructed in accordance with this invention. Hanger 2 comprises an elongated hollow tubular member 4 having an upper, substantially closed loop 6, including the reentrant clothes supporting, horizontal clothes hanger supporting arm 8. Loop 6 and arm 8 project laterally away from tubular member 4, and if desired loop 6 may be utilized to support a garment-enclosing bag (not shown).

The lower end of tubular member 4 is reversely curved at 10 and terminates in an enlarged flared end 12 (see Figure 5) formed by collapsing or crimping that end of the tubular member. Flared end 12 is substantially parallel

2

to the longitudinal axis of tubular member 4, though spaced therefrom. A bolt 13 extends through end 12 and is threaded into a flexible suction cup 15.

The upper end of tubular member 4 is supported in a T-shaped clamping bracket, the bracket comprising arms 14, 16 interconnected with leg portions 18 and 20 projecting at right angles thereto, the leg portions being substantially parallel but spaced from each other and terminating in a flared, rounded extension 22 adapted to slidably receive tubular member 4.

Leg portions 18 and 20 are apertured at 24 and 26 to receive the headed bolt 28 having lock nut 30. Tightening of bolt 28 forces leg portions, 18, 20 toward each other, and this action tends to reduce the diameter of rounded extension 22 thereby exerting a clamping force around the enclosed circumference of tubular member 4.

A T-shaped clamping bracket is mounted on an elongated window supported bracket comprising a strip of resilient material bent at its upper end to form an inverted U-shaped, hook element having adjacent spaced legs 32, 34, interconnected by base 36. Leg 34 continues into an intermediate central portion 40 which projects laterally therefrom, the central portion 40 having an extension 42 bent parallel to leg 34.

As seen in Figure 2, extension 42 is trapezoidal in configuration, side 44 being longer than the opposed parallel side 46. An arcuate slot 48 is formed in extension 42, the slot serving a purpose to be described.

A bolt 50 extends through suitable openings 51, 53 formed in arm 14 and extension 42, and is threaded into suction cup 52. A second bolt, 54 projects through an aperture 55 in arm 16 and slot 48 of extension 42, bolt 54 being threaded into suction cup 56. Bolts 50 and 54 are tightly screwed into suction cups 52, 56, to rigidly mount arms 14 and 16 on extension 42.

An automobile windowpane 58 is mounted for vertical adjustment in U-shaped channel member 60 between inner and outer window frames 62, 64. Elevation of pane 58 is controlled by lever 66 connected with conventional operating means not shown.

In mounting the hanger 2 on the windowpane 58, the pane is lowered, by operation of lever 66, a sufficient distance to permit the upper end of the U-shaped element to pass thereover, parallel legs 32 and 34 engaging against opposite faces of pane 58 and base 36 abutting against the top thereof.

Suction cups 52, 54 and 15 are now pressed firmly against pane 58 and secure hanger 2 against all movement, vertical or horizontal. If vertical adjustment of tubular member 4 is required, nut 30 is loosened and suction cup 15 is detached from pane 58 to permit member 4 to slide in either direction in rounded extension 22. After this adjustment has been made, nut 30 is tightened on bolt 28 and suction cup again pressed against pane 58.

Certain automobile windowpanes are provided with inclined upper edges, and to compensate for such inclination bolts 50 and 54 are loosened to permit bolt 54 to slide in groove 48 as arms 14 and 16 are pivoted about bolt 50. In this case, as before, suction cup 15 is disengaged from pane 58 as the adjustment is made.

After this correction is completed bolts 50 and 54 are again tightened and suction cup 15 again pressed against pane 58.

If after original installation the window is to be raised or lowered, nut 30 is loosened and suction cup 15 is disengaged from pane 58. Rounded extension 22 may then be slid on tubular member 4, as for example, to the position shown in dotted lines in Figure 1. Nut 30 is then again tightened and suction cup 15 re-engaged against pane 15.

Having described this invention in detail, it will be understood that the instant embodiment is offered merely by way of example, and that the invention is to be limited only by the scope of the following claims.

I claim:

1. A garment hanger comprising a strip of material bent at one end to form a hook element for engagement against the upper edge of a glass windowpane, an extension formed on the other end of said strip, an elongated tubular member mounted on said extension intermediate the ends of said member, a clothes hanger supporting arm projecting laterally from one end of said member, and means on the other end of said member resiliently securing said other end to said pane.

2. A garment hanger comprising a strip of material bent at one end to form an inverted U-shaped hook element for engaging over the upper edge of a windowpane, an extension projecting from said hook element, a bracket rigidly secured to said extension, an elongated tubular member, means slidably mounting said member on said extension for sliding adjustment in the direction of its longitudinal axis, means securing said member in adjusted position, a clothes hanger supporting arm projecting laterally from one end of said tubular member, resilient means on the other end of said tubular member for securing said other end to said pane.

3. A garment hanger comprising a strip of material bent at one of its ends to form a U-shaped hook for engagement over the upper edge of a window pane, said hook having a lateral extension, a T-shaped bracket, the arms of said bracket being juxtaposed with respect to said extension, flexible suction cups, means securing said T-shaped bracket and said suction cups on said extension, said suction cups engaging against said pane, to insure against movement of said extension relative to said pane, the leg of said T-shaped member having a rounded extension and means for reducing and increasing the diameter of said rounded extension, an elongated tubular member slidably mounted in said rounded extension, said means locking said tubular member in adjusted position, one end of said tubular member having a loop including a clothes hanger supporting arm, said loop and arm projecting laterally from said tubular member, the other end of said tubular member having a suction cup mounted thereon for engagement against said pane to inhibit any movement of said other end relative to said pane.

4. A garment hanger comprising a bracket having on one end a hook element for engagement against the upper edge of a windowpane, an elongated tubular member arranged in parallel spaced relation with respect to the other end of said bracket and connected intermediate its ends to the other end of said bracket for longitudinal slidable movement, a supporting arm projecting laterally from one end of said member, and means on the other end of said member resiliently securing said other end to said windowpane.

5. A garment hanger comprising a bracket having on one end a hook element for engagement against the upper edge of a windowpane, means carried by the other end of said bracket and resiliently engaging the windowpane for securing said other end to said windowpane, an elongated tubular member arranged in parallel spaced relation with respect to the other end of said bracket and connected intermediate its ends to the other end of said bracket for longitudinal slidable movement, a supporting arm projecting laterally from one end of said member, and a second means on the other end of said member resiliently securing said other end to said windowpane.

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