Nov. 14, 1961 H. L. ULLERY 3,008,614

CLOTHES HANGER

Filed May 15, 1959

FIG. 1

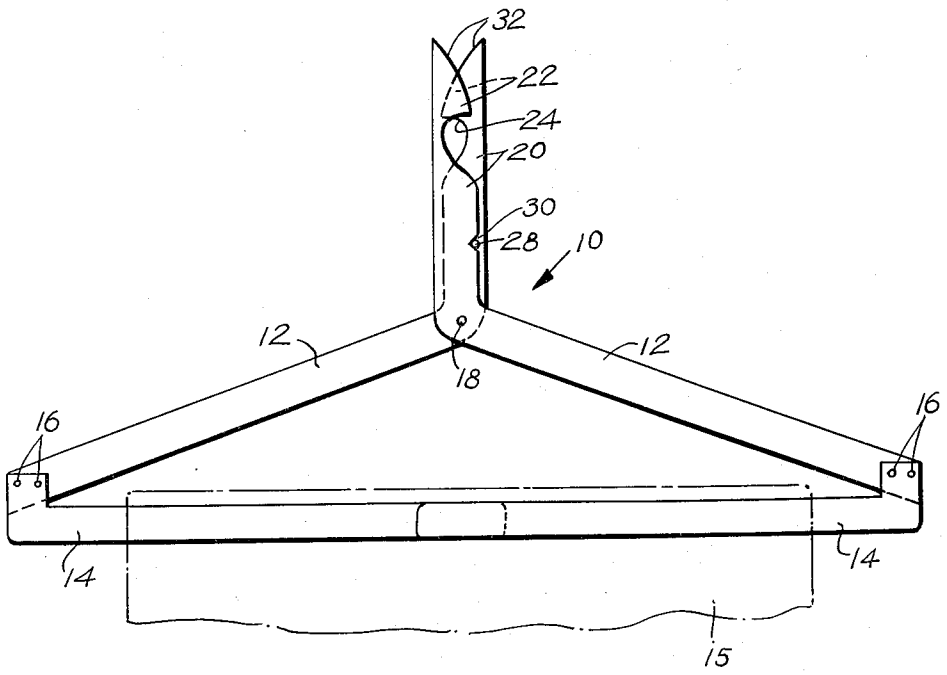
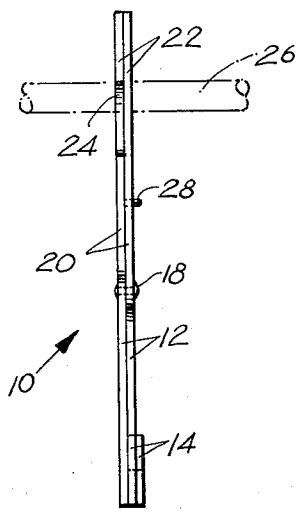


FIG. 2



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United States Patent Office 3,008,614 Patented Nov. 14, 1961

3,008,614

CLOTHES HANGER

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Filed May 15, 1959, Ser. No. 813,502
2 Claims. (Cl. 223—88)

This invention relates to clothes hangers and, more particularly, to a clothes hanger having releasable latch means for secured engagement upon a horizontal support pole.

It is an object of the present invention to provide a self locking clothes hanger for releasable engagement with a horizontal support pole which will effectively prevent the clothes hanger from falling off or from being knocked loose from the supporting pole.

Another object of the present invention is to provide an improved clothes hanger having self contained latch means automatically and releasably locking it upon a supporting pole which will remain in locked sliding engagement therewith until manually released.

Other objects of the present invention are to provide an improvement in clothes hanger bearing the above objects in mind which is of simple construction, has a minimum number of parts, is inexpensive to manufacture, and efficient in operation.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description taken in conjunction with the accompanying drawing, in which:

FIGURE 1 is a side elevational view of an improved clothes hanger made in accordance with the present invention in actual use;

FIGURE 2 is an end elevational view of the assembly shown in FIGURE 1.

Referring now more in detail to the drawing, an improved clothes hanger **10** made in accordance with the present invention is shown to include a pair of pivotally connected arms **12**, each of which is provided with an angularly related and overlapping horizontal trouser support arm **14**, integrally connected to one outer end thereof by means of rivets or fasteners **16**. The opposite end of each of the arms **12** is provided with an angularly upwardly extending extension **20** having a terminal portion **22** defining the hook **24**. Both such arms **12** are pivotally connected together adjacent the juncture with the angularly upwardly extending portions **20** by means of a pivot pin or rivet **18**.

While the angularly extending portions **20** of the arms **12** may be rotated outwardly toward an open position, the inward rotational movement thereof is limited by a stop pin **28** carried upon one of the extension portions **20** that is received within an indent **30** of the other such angularly extending portion **20**, thus limiting the rotation of these portions in one direction.

The uppermost extremities of the angularly related portions **20** are provided with downwardly converging cam surfaces **32** which slidably direct a horizontal support pole **26** inwardly to the central hook portion **24** defined by the hook elements **22**, also causing the arms to rotate outwardly toward an open position as an upward force directed upon the hanger is used to apply it to the support pole **26**. The trousers **15** carried upon the coextensive arms **14** do not interfere with the operation of the hanger, and the stop pin **28** further prevents the arm portions **20** from binding upon the support pole **26**, thus assuring that the hanger may be slidably moved along the length of the pole **26** at any time.

An upward force is exerted upon the ends or central portions of the trouser support arms **14** in order to either assemble or dismount the hanger with respect to the horizontal support pole **26**, thus any downward load or force upon the hanger will fail to dislodge the hanger from the support pole, thus preventing the hanger from accidentally being displaced from the supporting pole.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claims.

What I claim as new and desire to protect by Letters Patent of the United States is:

1. A clothes hanger comprising: a first bell crank means including a left outwardly projecting arm having a right inner end and a left outer free end and including a vertically upwardly projecting right pole-engaging element carried by said right inner end; a second bell crank means including a right outwardly projecting arm having a left inner end, a right outer free end and including a vertically upwardly projecting left pole-engaging element carried by said left inner end; pivot pin means effectively pivotally connecting said right and left inner ends of said left and right arms, respectively, with said right pole-engaging element carried by said right inner end of said left arm being positioned to the right of and in gravity biased opposition to the left pole-engaging element carried by the left end of the right arm, said right and left pole-engaging elements being of similar shape and configuration and each comprising an oppositely and inwardly directed hook portion defining a pole-receiving cut out therebetween normally vertically closed in response to the action of gravity upon the left and right arms extending outwardly from the pivot pin means, said pole-receiving cut out being adapted for releasably receiving a transverse supporting pole therewithin when said left pole-engaging element is pivoted in counterclockwise direction as a result of lifting force applied to said right arm and when said right pole-engaging element is pivoted in clockwise direction as a result of lifting force applied to said left arm, each of said pole-engaging elements including downwardly and inwardly sloped upper cam surfaces integral with the uppermost ends of said pole-engaging elements, said cam surfaces vertically centrally downwardly converging and extending centrally downwardly to said pole-receiving cut out defined between said hook portions; and stop means carried by the pole-engaging elements and preventing pivotal movement thereof beyond a point where said upper cam surfaces are spaced apart in a position for upwardly forced cammed engagement with a transverse supporting pole, whereby to be forcibly opened thereby to receive the supporting pole within the pole-receiving cut out.

2. The combination according to claim 1 including trouser support means carried at the outer free end of each of said arms and comprising a pair of similar inwardly directed arm portions having outer ends integrally connected to the corresponding outer free ends of said arms and having inner ends overlapping each other.

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