Feb. 5, 1935. W. F. LEDERER 1,990,128

GARMENT HANGER

Filed Feb. 27, 1933

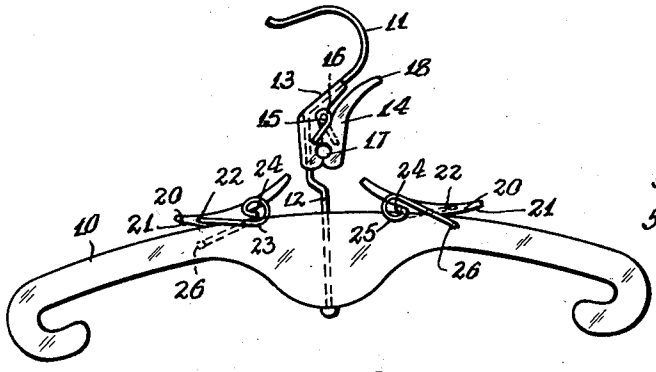


Fig. 1.

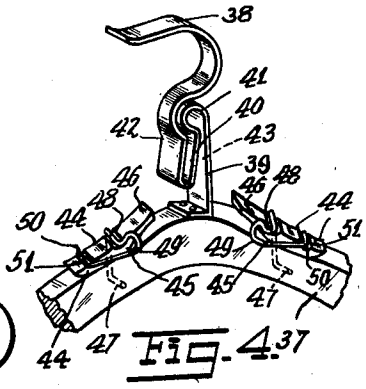


Fig. 4.

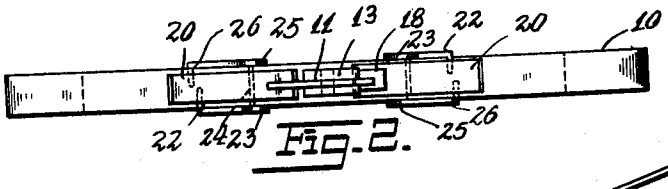


Fig. 2.

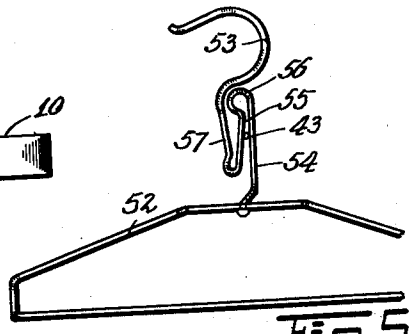


Fig. 5.

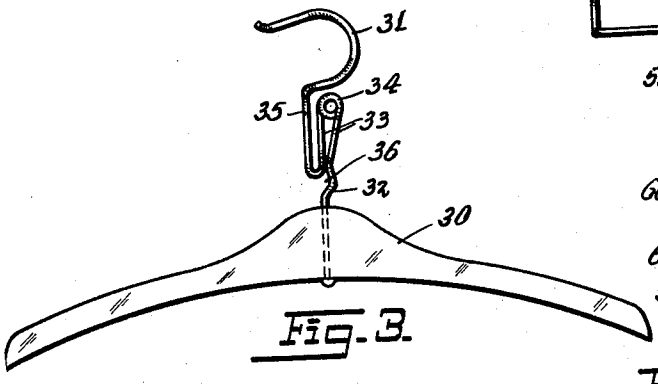


Fig. 3.

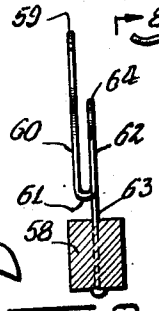


Fig. 8.

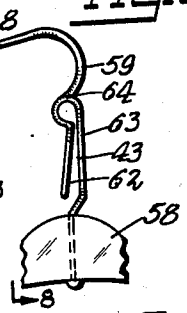


Fig. 7.

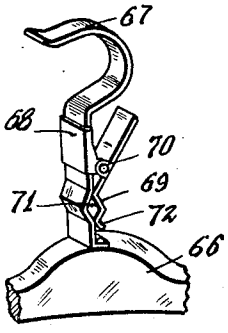


Fig. 9.

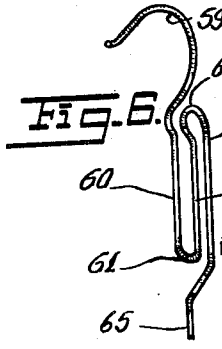


Fig. 6.

INVENTOR
WILLIAM FORCE LEDERER
BY Zoltan N. Polachek
ATTORNEY

Patented Feb. 5, 1935 1,990,128

UNITED STATES PATENT OFFICE

1,990,128

GARMENT HANGER

William Force Lederer, Waterbury, Conn.

Application February 27, 1933, Serial No. 658,844

4 Claims. (Cl. 223—64)

This invention relates to new and useful improvements in a garment hanger.

This invention has for an object the construction of a garment hanger which is characterized by an arrangement whereby the hanger may be readily engaged upon a horizontal clothes line.

In the past it has been customary to construct garment hangers with hooks so that clothes may be supported upon a horizontal support rod. These hangers are not adapted to be engaged upon the customary clothes lines. It frequently happens that one desires to air clothing upon a hanger and resorts to arrangements as for example, tying the hooks of the clothes hangers upon the clothes line or pinning the hooks upon the clothes line with ordinary clothes pins.

This invention has for an object the construction of a clothes hanger which is provided with a clamp adapted to engage upon a clothes line so as to support the hanger upon the line.

Further the invention proposes an arrangement whereby the clamp is associated upon the stem portion of said hook in a manner so as to substantially support the hanger similar to the manner it would be supported by its regular support hook.

Still further the invention contemplates the construction of a clamp separate from the hook hanger and suitably attached thereon.

As another object of this invention it is proposed to construct the clamp integral with the hook of the garment hanger.

Still further the invention proposes the construction of an article as mentioned which is simple and durable and which may be manufactured and sold at a reasonable cost.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:—

Fig. 1 is a side elevational view of a garment hanger constructed according to this invention.

Fig. 2 is a plan view of Fig. 1.

Fig. 3 is another side elevational view of a garment hanger constructed also according to this invention.

Fig. 4 is a fragmentary perspective view of a still further modified form of a garment hanger.

Fig. 5 is a fragmentary side elevational view of another type of garment hanger constructed according to the same invention.

Fig. 6 is a perspective view of a support hook for a garment hanger constructed according to this invention.

Fig. 7 is a side elevational view of Fig. 6.

Fig. 8 is a sectional view taken on the line 8—8 of Fig. 7.

Fig. 9 is a perspective view of a portion of another garment hanger, constructed according to this invention.

A garment hanger according to this invention comprises a customary support member 10 and a hook 11 attached substantially at the center of the member 10 for supporting the member 10 upon a horizontal support rod. The hook 11 comprises a head portion and a vertical stem 12 engaging through the support member 10. The details of the hook and the support member may vary according to generally known customs. The garment hanger now departs from the conventional types in the provision of a clamp for engagement with a horizontal clothes line arranged upon the stem portion 12 of the support hook of the garment hanger.

In Figs. 1 and 2 the clamp is shown to comprise a metallic casing 13 attached upon the vertical stem portion 12 and supporting a jaw 14 which is pivotally mounted thereon at 15. A spring 16 is arranged coaxially upon the pivot 15 and acts between the jaw 14 and the casing 13 for normally urging the lower ends of these parts together. The adjacent faces of the jaw and the casing are formed with a circular opening 17 providing a passage for the clothes line. The upper end 18 of the pivoted elements 14 may be used as a handle for causing the opening of the jaw. It will readily be seen that the clamp allows the device to be supported upon a clothes line, with the clothes line passing through the opening 17.

A provision is also shown in the hanger illustrated in Figs. 1 and 2 to prevent the garment from slipping off the hanger. This provision comprises a pair of clamps each substantially identical and arranged on opposite sides of the support hook 11 and upon the top of the support member 10. Each of these clamps comprises a jaw member 20 having a curved bottom side 21 resting upon the top of the support member in a manner so that it may rock from an open to a closed position. A spring is arranged between the jaw 20 and the support member 10 and serves to normally urge the jaw closed. This spring has one end 22 engaged into the side of the jaw 20 and then extends along the sides and around at the portion 23 to the point 24 and then across the bottom of the jaw 20 to the rear, which rear is in

the form of an upturned section constituting a handle, to the other side and there engages around in another loop 25 and finally terminates in an end 26 engaging into the side of the support member 10. It will readily be seen that the spring serves a double function, one function being to retain the clamp in place upon the support member and the other function to urge the jaw into the closed position.

In Fig. 3 a modified form of the clothes hanger has been illustrated constructed according to the same invention but distinguishing primarily in the fact that the clamp for engagement with the horizontal clothes line is integral with the stem portion of the support hook of the clothes hanger. More particularly this hanger comprises a support member 30 and a hook 31 attached substantially at the center of the support member for engaging upon a horizontal support rod. This hook comprises the customary head portion and a vertical stem portion 32 which engages through the support member 30.

The clamp for attachment with the horizontal clothes line is formed by having the stem of the hook bent into a certain specific form. More particularly this form comprises a pair of opposed sections 33 urged together by a coiled section 34. One of the sections 33 connects with that portion of the stem 32 which passes through the support member 30. The other section 33 connects with a vertical portion 35 terminating at the top in the hook portion 31. To facilitate the engagement of the clamp upon a clothes line the portion 32 is formed with a bent section 36 immediately below the junction of the section 33 with the section 35 so that an opening is produced to provide for the clothes line when the clamp is forced into place thereon. More particularly the hanger shown in Fig. 3 may be used as it is customary, that is, with the hook 31 engaged on a horizontal support rod or the hanger may be mounted upon a clothes line by placing the hanger so that the line first is disposed at the section 36 and immediately below the bend between the sections 33 and 35 and then pressing the hanger downwards so as to spring the clamping sections 33 slightly apart until the line assumes the position between these parts.

In Fig. 4 another arrangement has been disclosed in which the hanger is shown to comprise a support member 37 of wood or similar material and a hook 38 attached substantially the center thereof and formed from a flat strip of material. This hook 38 includes the regular head portions and a vertical stem portion 39 which is attached upon the support member 37. The stem portion 39 is formed with an arrangement so that the garment hanger may be clamped upon a horizontal clothes line. The clamping portion is formed by having a downward extending portion 40 arranged immediately adjacent the vertical stem portion 39 and connected therewith by a loop portion 41. The clamping portion 40 is so arranged as to be close to the portions 39 at the top and extend away towards the bottom. The head of the hook 38 connects by a portion 42 with the bottom of the portion 40. When this garment hanger is engaged upon the clothes line it functions similar to a clothes pin engaged on the line, that is, the line is clamped in between the portions 39 and 40. For example, the dot and dash line 43 indicates the position which the line assumes. The upper end of the hook 38 is formed straight as clearly shown in Fig. 4 so that it may be rested upon some flat surface as a table top or the like. This arrangement extends the field of use for the garment hanger.

In Fig. 4 an arrangement is also disclosed for holding the garment upon the hanger and comprises a pair of identical clamps arranged on opposite sides of the support hook. Each clamp comprises a jaw member 44 having its bottom side formed with a pointed portion 45 about which it may pivot. The rear of the jaw indicated by reference numeral 46 constitutes a handle by which the front or jaw may be opened. A spring acts between the support member 37 and the jaw so as to normally urge the jaw closed. This spring consists of a wire secured at one end 47 upon the side of the support member 37 and then extending up one side of the jaw 44 and through a transverse recess 48 in the top of the jaw and then is formed around in a loop 49 and extends to the front of the jaw and finally has an inturned end 50 extending through a recess 51 formed in the top of the jaw 44. Thus the wire serves to normally urge the jaw closed as well as to maintain its position upon the support member.

In Fig. 5 another variation of the invention has been disclosed in which the garment hanger comprises a support member 52 in the form of a wire frame and a hook 53 attached upon the frame substantially at the center of the top. The shape of the hook shown in Fig. 5 is identical to the shape shown in Fig. 4. The only difference is that in Fig. 5 it is formed from a wire while in Fig. 4 it is formed from a flat strip of material. A clamp arrangement is integral with the hook and comprises the stem of the hook indicated by reference numeral 54 which is connected upon the top of the support member 52 and a section 55 connected with a stem 54 by a loop 56. A line 43 may be clamped between the portions 54 and 55. The hook 53 connects with the lower end of the section 55 by reason of the section 57.

In Figs. 6, 7 and 8 another form of the invention has been disclosed in which the construction is substantially identical to the one shown in Fig. 5 except provision is made to prevent the hanger from swinging upon the clothes line. It should be borne in mind that with the arrangement shown in Fig. 5 the entire hanger may swing slightly upon the line since the clamp which is in the form of a wire acts only on two opposite points of the line. The arrangement to prevent such swinging constitutes an additional portion arranged upon the clamp and adapted to act against the side of the line so that the line is engaged at at least three points. In detail the hanger comprises a support 58 and a hook 59 attached thereon. This hook connects with a portion 60 which is adapted to engage against the side of the clothes line 43 and which connects at the bottom by a bend 61 with a vertical extended portion 63 in the same plane. The portion 62 acts in conjunction with the portion 63 connected thereto by the bend 64 to accomplish the clamping. The vertical stem 65 of the hook connects with the lower end of the portion 63. Examining Figs. 6, 7 and 8, it should be noticed that the portion 62 and 60 are in one plane which is at substantially right angles to a plane passing through sections 62 and 63. It is for this reason that the hanger is restrained from swinging when it is engaged upon a clothes line.

In Fig. 9 another modified form of the device has been disclosed in which the clothes hanger comprises a support member 66 with a hook 67 of flat sheet material mounted thereon at the center thereof. This hook is provided with a

stem portion which carries a clamp for engagement upon a horizontal clothes line. This clamp consists of a jaw 69 pivotally mounted intermediate of its ends at 70 upon the member 68 attached on the stem of the hook 67. This jaw is also formed from a flat strip of material. A spring is arranged upon the pivot point of the jaw and normally urges the jaw closed. The drawing does not illustrate this spring, but the illustration is thought sufficient since the action of the spring is identical to the action of the spring 16 shown in Fig. 1. The gripping end of the jaw and the material of the vertical stem of the hook 67 immediately adjacent this gripping end is formed with bent away portions providing a passage 71 for the line to pass. The lower end of the gripping jaw is provided with a flared portion 72 which facilitates the engagement of the clamp upon the clothes line.

While I have shown and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:—

1. A garment hanger comprising a clothes support, suspending means made of resilient material secured to said clothes support substantially at the center thereof and comprising a first portion extending in a general upward direction from said clothes support, and a second portion extending in downward direction from said first portion at an acute angle to said first portion whereby a clothes line may be clamped between said first and second portions, a third portion extending in upward direction from said second portion, and a hook at the end of said third portion for suspending said hanger on a rod.

2. A garment hanger comprising a clothes support, suspending means made of resilient material secured to said clothes support substantially at the center thereof and comprising a first portion extending in a general upward direction from said clothes support, the upper end of said first portion being bent in downward direction so as to form a substantially closed circular loop, and a second portion extending in downward direction from said loop at an acute angle to said first portion whereby a clothes line may be clamped between said first and second portions, a third portion extending in upward direction from said second portion, and a hook at the end of said third portion for suspending said hanger on a rod.

3. A garment hanger comprising a clothes support, suspending means made of resilient material secured to said clothes support substantially at the center thereof and comprising a first portion extending in a general upward direction from said clothes support, the upper end of said first portion being bent in downward direction so as to form a substantially closed circular loop, and a second portion extending in downward direction from said loop at an acute angle to said first portion whereby a clothes line may be clamped between said first and said second portions, the end of the said second portion being bent at a right angle to the plane of said loop, a third portion extending in upward direction from said second portion, and a hook at the end of said third portion for suspending said hanger on a rod, the highest place of said hook being substantially in line with the vertical center of said clothes support to insure a horizontal suspension of the longitudinal axis of said clothes support.

4. A garment hanger comprising a clothes support, suspending means made of resilient material secured to said clothes support substantially at the center thereof and comprising a first portion extending in general upward direction from said clothes support, the upper end of said first portion terminating in a helix, a second portion extending in downward direction from said helix at an acute angle to said first portion, said helix acting as a coil spring for urging said first and said second portions toward each other whereby a clothes line may be clamped between said two portions, a third portion extending in upward direction from said second portion, and a hook at the end of said third portion for suspending said hanger on a rod.

WILLIAM FORCE LEDERER.