Nov. 12, 1940. A. K. BYE 2,220,991

ARTICLE SUPPORT

Filed June 16, 1939

FIG. 1

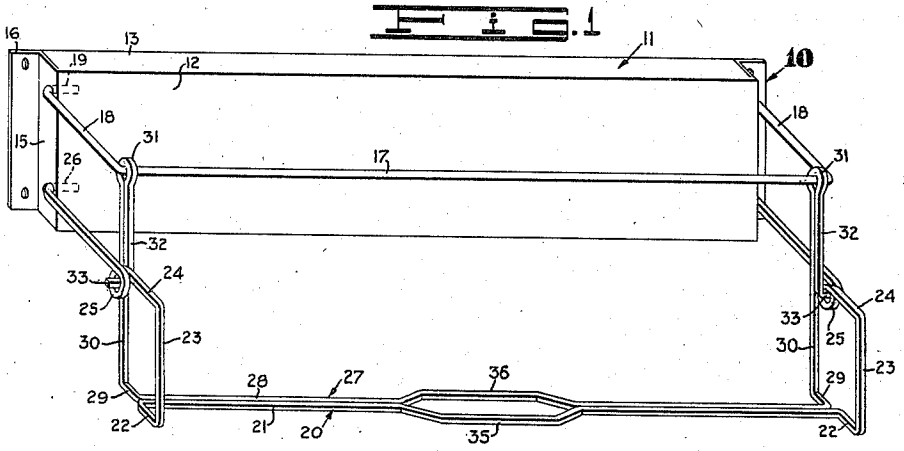


FIG. 2

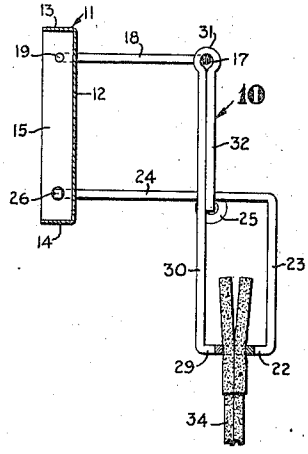


FIG. 3

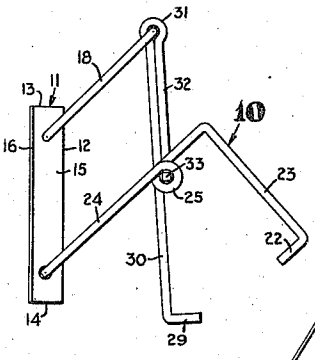


FIG. 4

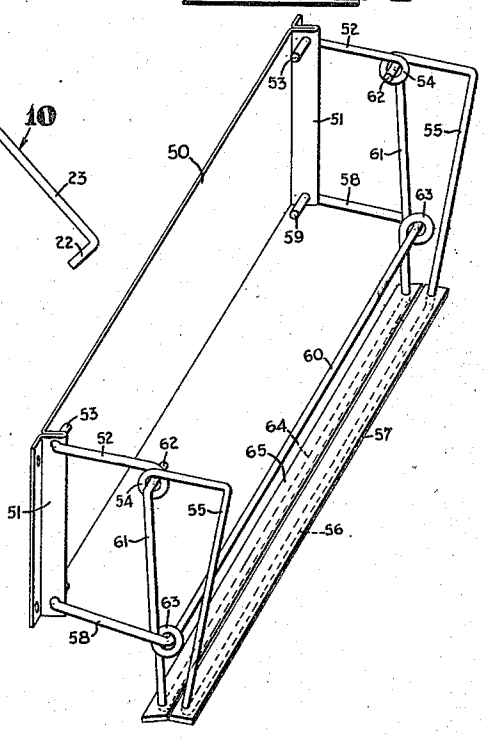


FIG. 5

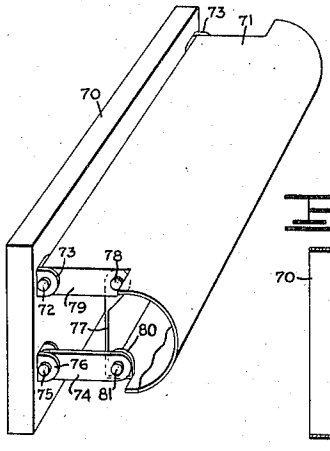
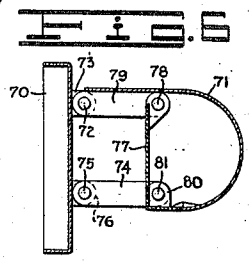


FIG. 6



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ARTICLE SUPPORT

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4 Claims. (Cl. 223—96)

This invention relates to garment hangers.

The general object of the invention is to provide an improved quick operating garment hanger.

A more specific object of the invention is to provide a garment hanger including a parallel link motion whereby the bottom of a pair of trousers may be engaged and firmly held in position to preserve the crease therein.

Another object of the invention is to provide a garment hanger including link members mounted in a novel manner.

Other objects and the advantages of this invention will be apparent from the following description taken in connection with the accompanying drawing, wherein:

Fig. 1 is a perspective view of a garment hanger embodying the features of my invention;

Fig. 2 is a transverse section through the garment hanger showing a pair of trousers gripped by the hanger;

Fig. 3 is an end view of the hanger in an open position;

Fig. 4 is a perspective view showing a modification;

Fig. 5 is a perspective view showing a further modification; and

Fig. 6 is a transverse section showing the further modification.

Referring to the drawing by reference characters I have shown my invention as embodied in a garment support which is indicated generally at 10. In the following description I have indicated the device as used for supporting a pair of trousers but it will be understood that this is only by way of illustration and that the device is adapted for use in supporting other garments and even for supporting articles such as towels, etc.

As shown the support is made of metal and includes an attaching base 11 which is preferably rectangular and which includes a front 12, a top 13, a bottom 14, ends 15 and attaching flanges 16.

A U-shaped upper link member comprising a front portion 17 and ends 18 has inturned tips 19 which pass through apertures in the ends 15 to pivotally support the upper link member for swinging movement.

The support further includes a lower link member 20 which includes a front portion 21 having forwardly extending portions 22 at each side thereof. The portions 22 are integral with upwardly extending end portions 23 which merge into rearwardly extending portions 24. Each rearwardly extending portion 24 includes a loop 25 and an inwardly turned end 26 which passes through an aperture in the adjacent end 15.

The upper and lower links are pivotally united by a connecting link 27 which includes a front portion 28 disposed in alignment with the portion 20. The portion 28 includes rearwardly extending portions 29 at each end which merge into upwardly extending portions 30 which have a loop 31 surrounding the upper link member 17 and thence are bent downwardly as at 32, thence laterally to form prongs as at 33 with the lateral portion 33 passing through the loop 25 previously mentioned.

The structure described provides a parallel link motion so that the parts 21 and 27 move towards and from each other when the upper link portion 17 is lowered and raised.

The parts naturally assume the positions shown in Figs. 1 and 2 and to secure a pair of trousers in place the parts are moved to the position shown in Fig. 3. The trousers shown as 34 are then inserted and the parts moved to lowered position to firmly clamp the parts in place.

The portions 21 and 28 may have outwardly bent portions 35 and 36 as shown for convenience in manipulation.

In Fig. 4 I show a modification of my invention wherein the base portion 50 includes integral bracket portions 51. The modification includes an upper link member having ends 52 from which portions 53 pass through apertures in the brackets 51. The portion 51 includes a loop 54 and a downwardly extending portion 55 at each end with the portions 55 connected by a front portion 56 which receives an engaging member 57. The lower link 58 is U-shaped and includes ends 59 pivoted to the bracket. The ends are connected by a front portion 60. The connecting link includes ends 61 which have a tip 62 passing through the loop 54 and have loops 63 through which the portion 60 extends. The portions 61 are connected by a front member 64 which has a trouser engaging member 65 thereon.

The operation of the modification is similar to that previously described.

In Fig. 5 I show a further modification of my invention wherein the base 70 is provided with an upper link member 71 which is in the form of a sheet metal member which is pivoted at 72 to ears 73 struck from the base.

The lower link member comprises an element 74 at each end of the base which is pivoted at 75 to an ear 76 struck from the base. The connecting link 77 is a sheet metal member pivoted at

78 to downwardly extending tongues 79 on the upper link member. The connecting link has ears 80 which are pivoted at 81 to the lower link 74.

In operation the trousers are placed between the portions 77 on the connecting link and the lower edge 82 of the upper link member.

Having thus described my invention, I claim:

1. In a garment support, a base adapted to be mounted on a supporting surface, a one piece upper link member, said link member being of U-shape and being pivotally mounted on the base, a one piece lower link member including rearwardly directed portions having their ends pivotally mounted on the base, and a one piece connecting link member pivotally engaging said upper link member and said rearwardly directed portions on said lower link member, said connecting link member having a portion aligned with a portion of said lower link member.

2. In a garment support, a base adapted to be mounted on a supporting surface, an upper link member, said link member being of U-shape and including a front and end portion, said end portions being pivotally mounted on the base, a lower link member including a front portion having upwardly directed end portions thereon, rearwardly directed portions integral with said end portions, said rearwardly directed portions having their ends pivotally mounted on the base, and a connecting link member pivotally engaging said upper link member and said rearwardly directed portions on said lower link member.

3. In a garment suppport, a base adapted to be mounted on a supporting surface, an upper link member, said link member being of U-shape and including a front and end portions, said end portions being pivotally mounted on the base, a lower link member including a front portion having upwardly directed end portions thereon, rearwardly directed portions integral with said end portions, said rearwardly directed portions being parallel to said upper link member end portions, said rearwardly directed portions having their ends pivotally mounted on the base, and a connecting link member of general U-shape including a bottom and side portions, each of said side portions being pivotally mounted on said upper link front member, said connecting link member side portions having prongs thereon, each of said prongs pivotally engaging said lower link member, said connecting link member having a bottom portion aligned with said front lower link member.

4. In a garment support, a base adapted to be mounted on a supporting surface, an upper link member, said link member being of U-shape and including a front and end portions, said end portions being pivotally mounted on the base, a lower link member including a front portion having upwardly directed end portions thereon, rearwardly directed portions integral with said end portions, said rearwardly directed portions being parallel to said upper link member end portions and having loops therein, said rearwardly directed portions having their ends pivotally mounted on the base, and a connecting link member of general U-shape including a bottom and side portions, each of said side portions being pivotally mounted on said upper link front member, said connecting link member side portions having prongs thereon, each of said prongs being fitted in a loop of said lower link member, said connecting link member having a bottom portion aligned with said front lower link member.

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