Aug. 11, 1936. M. L. GOVER 2,050,311

SUPPORT

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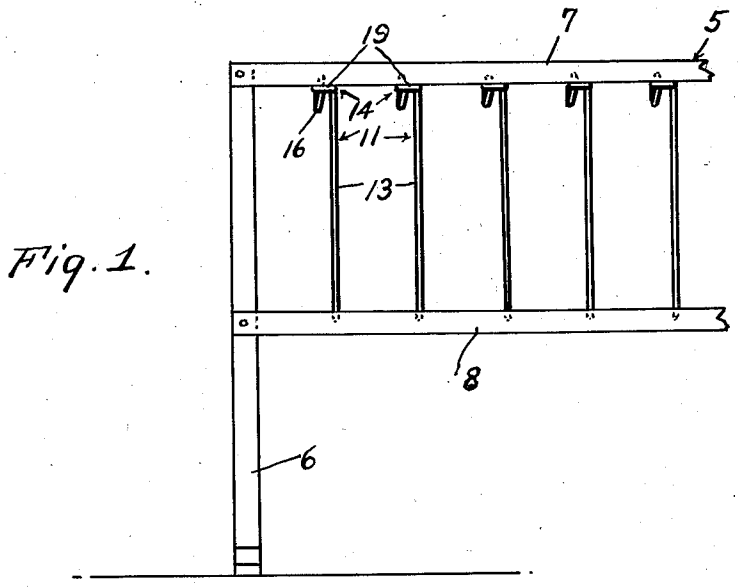


Fig. 1.

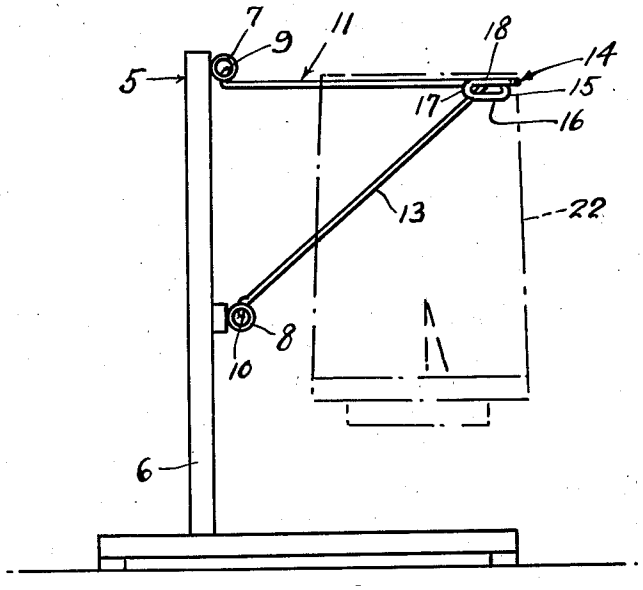


Fig. 2.

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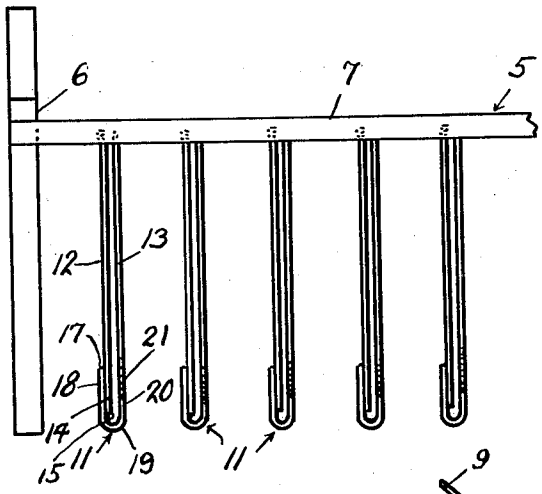
Attorney

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Fig. 3.



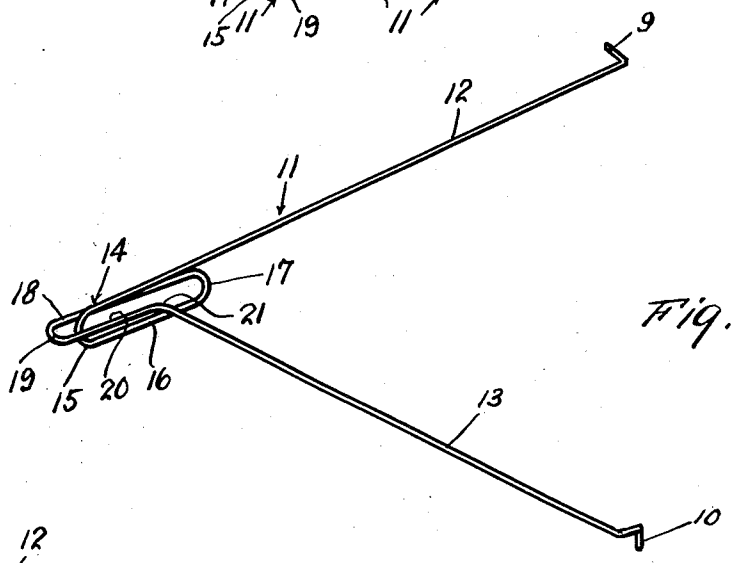


Fig. 4.

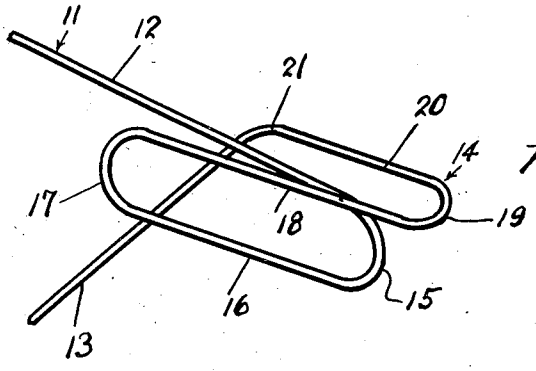


Fig. 5.

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Patented Aug. 11, 1936

2,050,311

UNITED STATES PATENT OFFICE

2,050,311

SUPPORT

Miles L. Gover, Somerset, Ky.

Application September 13, 1934, Serial No. 743,890

3 Claims. (Cl. 211—96)

My invention relates generally to means for supporting articles of clothing and the like, and particularly to wire brackets for mounting on racks to support trousers and other articles of apparel, and an important object of the invention is to provide a simplified and efficient bracket construction which is cheaper to make, and more desirable in operation than the brackets contained in my Patent No. 1,879,679 which was issued to me on September 27, 1932.

Other objects and advantages of my invention will be apparent from a reading of the following description in connection with the drawings, wherein for purposes of illustration I have shown a preferred embodiment of my invention.

In the drawings:—

Figure 1 is a front elevation view of a rack showing a plurality of the brackets in position thereon.

Figure 2 is a side elevational view of Figure 1 showing in phantom lines a pair of trousers supported on the horizontal member of a bracket.

Figure 3 is a top plan view of Figure 1.

Figure 4 is a perspective view of the bracket.

Figure 5 is an enlarged perspective view of the apex part of the bracket.

Referring in detail to the drawings, the numeral 5 designates a suitable rack including standards 6 and vertically spaced bars 7 and 8, the bars 7 and 8 having at longitudinally spaced points appropriately located holes to receive the laterally directed parts 9, 10, respectively, of the bracket 11.

The bracket 11 is formed of suitable gauge of spring wire so as to possess divergently tending arms 12, 13, respectively, which are connected by the apex part which is generally designated 14.

The apex part is a combination clamp and spring hinge of simplified and effective arrangement which adequately spreads the legs 12 and 13 to engage the parts 9, 10 with sufficient force in the holes in the vertically spaced bars 7 and 8 so as to mount the bracket securely in place and capable of being swung from side to side on a vertical axis.

The apex part 14 comprises the downwardly curved bend 15 which terminates in the substantially horizontal straight part 16 which has on its inward end the upturned curved bend 17 which terminates in the straight part 18 which is substantially parallel to the part 16 and lies in laterally spaced relation to the adjacent end of the arm 12.

The part 18 terminates in a curved bend 19 which is located in a substantially horizontal plane or in a plane at right angles to the plane in which the parts 18, 16 lie. The part 19 is spaced upwardly from the part 15 as clearly indicated in Figures 4 and 5 and terminates in a horizontal straight portion 20 which extends in substantially the same horizontal plane as the part 18 and in a position which is laterally spaced from the side of the arm 12 opposite the side of the arm 12 along which the part 18 extends.

The part 20 is not as long as the part 18 but terminates in a downwardly curved bend 21 which leads into the straight arm 13.

The part 20 is sufficiently closely spaced with relation to the arm 12 so that when a trousers 22 is disposed on the horizontal arm 12 in the position indicated in Figure 2 and placed near the outer end of the bracket, one side of the trousers will be engaged by the part 20 and the part 21 while the trousers overlies the arm 12, while an opposite part of the trousers will be lightly clamped between the parts 16 and 18 and the arm 12. The part 19 constitutes a stop to prevent the trousers shifting too far outwardly on the arm 12, so that the trousers are maintained in properly hanging position for display and storage purposes. It will be observed that the part 20 and the part 18 lie outside of opposite sides of the trousers so that when a number of the hangers are disposed in side by side relation the parts 20 and 18 of the adjacent hangers take up all of the wear instead of the trousers and thereby protect the trousers.

The part 10, the part 20, and the part 21 in conjunction with the arm 13, and the parts 15, 16 and 17 conjoined with the part 19 with respect to the arm 12 form the yielding hinge spring connection between the arms 12, 13 which gives adequately divergent pressure to the arms for engaging them properly with the vertically speed bars 7 and 8. Heretofore it was considered necessary to provide a helical coil spring arrangement such as is provided in my patent referred to in order to produce adequate divergent springing of the arms, but I have discovered that the cooperative structure and arrangement described above furnishes adequate divergent force at a less expense for manufacture with the use of less wire. At the same time the elimination of the helical coils eliminates a part which has a tendency to obstruct the smooth lying of the trousers or the like on the arm 12, to obstruct the smooth and regular engagement

of the clamp part with the opposite sides of the trousers, besides presenting an irregular abutment to be engaged by the outer extremity of the trousers, while the abutment or stop 19 presents a regular stop or abutment entirely devoid of the protuberances and irregularities characteristic of the helical coil. It will also be observed, particularly in Figure 2, that while the upper arm 11 is maintained in a horizontal position, it has a pivotal point which is to the rear of the pivotal point of the lower arm 13, and that this arrangement produces a positive tendency on the part of the hanger to hold positions into which it is swung.

Thus the present invention is simpler, less costly, neater, and more efficient than the arrangement set forth in my said patent, possesses equal effective strength, takes up less space during shipment and storage, and is otherwise more advantageous.

Although I have shown and described herein a preferred embodiment of my invention, it is to be definitely understood that I do not desire to limit the application of the invention thereto, and any change or changes may be made in the materials, and in the structure and arrangement of parts, within the spirit of the invention and the scope of the subjoined claims.

What is claimed is:—

1. A garment support comprising a rack having vertically spaced upper and lower horizontal members, a hanger comprising an upper horizontal spring arm and an angularly divergent lower spring arm, the free ends of said spring arms being pivoted to said horizontal members, a spring hinge clip portion connecting the opposite ends of said spring arms and urging the free ends thereof into engagement with said horizontal members, said spring hinge clip portion including clamp members lying along opposite sides of said upper horizontal spring arm so as to engage the laterally outward sides of a garment hanging on said horizontal upper arm and protect the same from contact with adjacent hangers and garments thereon, said spring hinge clip portion further including an element connecting said clamp members and acting as an abutment preventing undue outward movement of the garment on said horizontal upper arm.

2. A garment support comprising a rack having vertically spaced upper and lower horizontal members, a hanger comprising an upper horizontal spring arm and an angularly divergent lower spring arm, the free ends of said spring arms being pivoted to said horizontal members, a spring hinge clip portion connecting the opposite ends of said spring arms and urging the free ends thereof into engagement with said horizontal members, said spring hinge clip portion including clamp members lying along opposite sides of said upper horizontal spring arm so as to engage the laterally outward sides of a garment hanging on said horizontal upper arm and protect the same from contact with adjacent hangers and garments thereon, said spring hinge clip portion further including an element connecting said clamp members and acting as an abutment preventing undue outward movement of the garment on said horizontal upper arm, one of said clamp members being supportingly connected to said lower divergent spring arm.

3. A garment support comprising a rack having vertically spaced upper and lower horizontal members, a hanger comprising an upper horizontal spring arm and an angularly divergent lower spring arm, the free ends of said spring arms being pivoted to said horizontal members, a spring hinge clip portion connecting the opposite ends of said spring arms and urging the free ends thereof into engagement with said horizontal members, said spring hinge clip portion including clamp members lying along opposite sides of said upper horizontal spring arm so as to engage the laterally outward sides of a garment hanging on said horizontal upper arm and protect the same from contact with adjacent hangers and garments thereon, said spring hinge clip portion further including an element connecting said clamp members and acting as an abutment preventing undue outward movement of the garment on said horizontal upper arm, said spring hinge clip portion being formed of a single wire connected at longitudinally spaced points to the respective spring arms.

MILES L. GOVER.