Jan. 29, 1952 J. J. CAVANAGH 2,583,996

GARMENT HANGER

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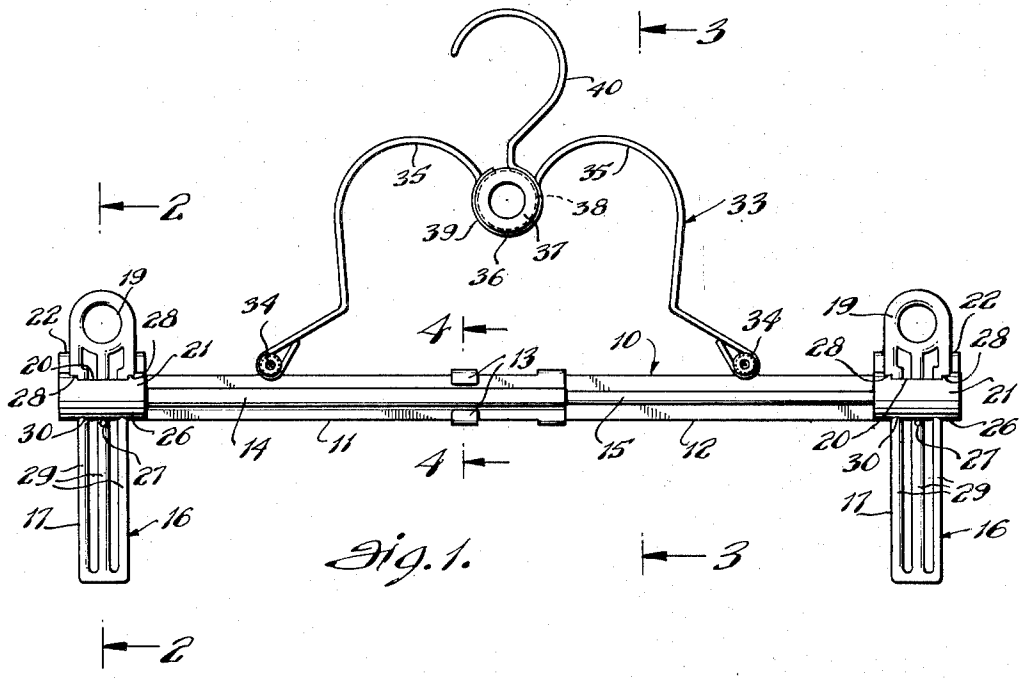


Fig. 1.

Fig. 2.

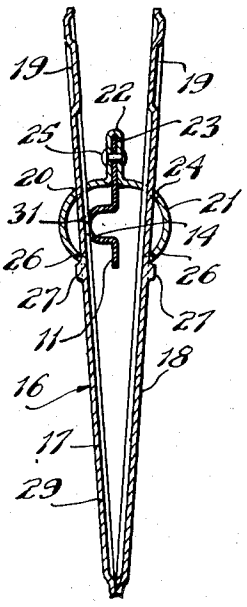


Fig. 4.

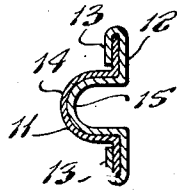
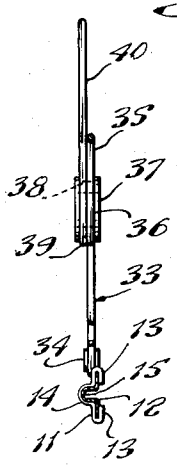


Fig. 3.



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GARMENT HANGER

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2 Claims. (Cl. 223—96)

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This invention relates to a hanger for supporting trousers in an inverted position by engagement within the lower ends of the trousers legs.

The invention has in view a hanger for supporting trousers including a longitudinally contractable and extensible hanger bar composed of linear sections which are normally tensioned against inward movement and which are provided with clamping jaws adapted to engage in the lower ends of the legs of the trousers for stretching the same as well as clamping the ends of the legs together.

Another object of the invention is to provide a trousers hanger having improved interfitting means connecting the linear sections together for guided longitudinal movement with reference to each other and by which the sections are retained against lateral and longitudinal bending so as to maintain the sections in linear relation.

Still another object of the invention is to provide an improved trousers hanger which is sturdy in construction, which will retain its form without flexing with the weight imposed thereon, and which can be produced at reasonable cost.

Still another object of the invention is to provide an improved trousers hanger which is constructed and arranged to permit of the convenient interfitting and assembly of the parts.

With the foregoing and other objects in view, reference is now made to the following specification and accompanying drawings in which the preferred embodiment of the invention is illustrated.

In the drawings:

Fig. 1 is a view in elevation of a trousers hanger constructed in accordance with the invention.

Fig. 2 is an enlarged vertical sectional view taken approximately on line 2—2 of Fig. 1.

Fig. 3 is a vertical sectional view taken approximately on line 3—3 of Fig. 1.

Fig. 4 is an enlarged vertical sectional view taken approximately on line 4—4 of Fig. 1.

Referring to the drawings by characters of reference, the trousers hanger includes a hanger bar 10 composed of linear sections 11 and 12 which overlap at their inner ends and are provided with inwardly directed portions 13 formed integrally with the upper and lower edges thereof and defining channels between the same and the linear sections 11 and 12 respectively for slidably receiving the other section. The sections 11 and 12 consist of flat bars formed with interfitting ribs 14 and 15 which extend longitudinally of the sections respectively medially thereof. The rib 15 is of a size to snugly fit within the rib 14 as illustrated in Fig. 4 of the drawings so as to reinforce the sections and retain the same against bending either laterally or longitudinally when subjected to the weight of the trousers.

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The sections 11 and 12 are each provided with a clamp 16 which is rigidly affixed thereto at the outer end thereof for movement with the section. The clamps 16 each include oppositely disposed clamping jaws 17 and 18 having upper ends 19 adapted to be manipulated for spreading the lower ends of the clamping jaws apart. The said clamping jaws are mounted in oppositely disposed slots 20 and 24 formed in a split cylindrical tube 21 having a rebent medial portion 22 fitted over the upwardly projecting portion 23 of the section and secured thereto by a rivet 25. The clamping jaws extend downwardly through the split in the cylindrical tube with the opposite ends 26 of the split portion tensioned against the clamping jaws respectively. The clamping jaws are held in oppositely disposed tensioned relation with the lower ends thereof disposed in tensioned abutting engagement when the hanger is not in use and are secured against vertical movement in the slots 20 and 24 respectively by means of outstruck lugs 27 located below the split ends 26 of the cylindrical tube and by shoulders 28 at the bases of the upper ends 19.

The clamping jaws 17 and 18 are formed with a plurality of longitudinally extending ribs 29 which function to strengthen the same so as to prevent bending thereof. The split ends 26 of the cylindrical tubes 21 are serrated as at 30 corresponding to the formation of the ribs 29 in which serrations the ribs engage so as to retain the clamping jaws 17 and 18 in alignment and prevent sidewise movement thereof. The outer curved portions of the ribs 14 and 15 are slotted as at 31 through which protrude the clamping jaws 17 for retaining the same in right angular relation with the sections respectively.

The sections 11 and 12 of the hanger bar are movable longitudinally with reference to each other and are tensioned against inward movement by means of a spring wire supporting member 33 which is pivotally connected at its opposite ends with the sections 11 and 12 by grommets 34. The spring wire member 33 includes opposite disposed upper bowed portions 35 and a downwardly extending medial arcuate portion 36 in which is secured a cylindrical member 37 having an annular groove 38 in the periphery thereof in which the lower arcuate portion 39 of a suspension hook 40 is swingably carried.

In use, the sections 11 and 12 of the hanger bar are forced inwardly against the tension of the spring supporting member 33 and the clamping

jaws 17 inserted in one of the leg openings at the bottom of the trousers and the clamping jaws 18 inserted in the other leg opening. The sections and clamping jaws are then released whereby the spring supporting member 33 functions to stretch the trousers legs laterally and the clamping jaws are tightened against the trousers legs to retain the trousers on the hanger.

What is claimed is:

1. In a trousers hanger, a hanger bar including a pair of rigid linear strap sections each having an inner end formed with means defining a channel with the channeled ends of the sections interengaging to connect the sections together for guided relative longitudinal movement with reference to each other, a clamp for each section including a pair of clamping jaws, a pair of oppositely disposed bowed spring side portions having upwardly extending ends, said side portions having slots for receiving the clamping jaws therethrough with the upper ends of the jaws extending upwardly beyond the side portions and the lower ends of the jaws extending downwardly between the side portions and with said side portions exerting an inward tension against the jaws, said linear sections each having upwardly projecting portions at their outer ends, means rigidly securing said upwardly projecting portions of the linear sections to said upwardly extending ends of said arcuate side portions for securing the clamps to the sections for movement therewith, said clamping jaws having longitudinally extending ribs, and the lower edges of said arcuate side portions being serrated for receiving the ribs of the clamping jaws for retaining the same against movement with reference thereto.

2. In a trousers hanger, a hanger bar including

a pair of rigid linear strap sections each having an inner end formed with means defining a channel with the channeled ends of the sections interengaging to connect the sections together for guided relative longitudinal movement with reference to each other, a clamp secured to the outer end of each section including a pair of clamping jaws and a cylindrical resilient tube split along the under side thereof forming oppositely disposed arcuate side portions, said side portions having slots for receiving the upper ends of the clamping jaws therethrough with the jaws protruding through the split and the opposite side portions exerting an inward tension against the clamping jaws, said split tubes each including an upwardly extending inverted U-shaped medial portion connecting the arcuate side portions, said linear sections each having upwardly projecting portions at their outer ends over which said inverted U-shaped medial portions of the tubes are fitted respectively and rigidly affixed thereto for securing the clamps to the sections for movement therewith, said clamping jaws having longitudinally extending ribs, and the edges of said split portion of each of the tubes being serrated for receiving the ribs of the clamping jaws for retaining the same against movement with reference to the tubes.

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