

Nov. 20, 1962

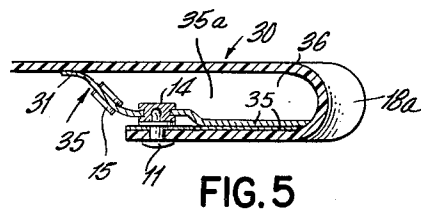
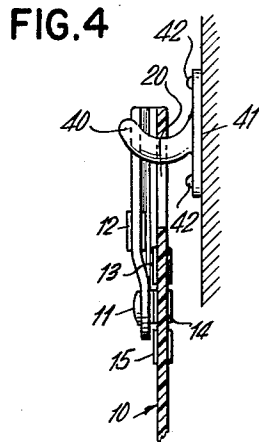
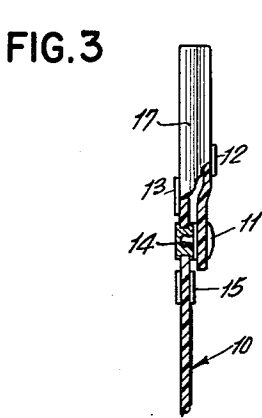
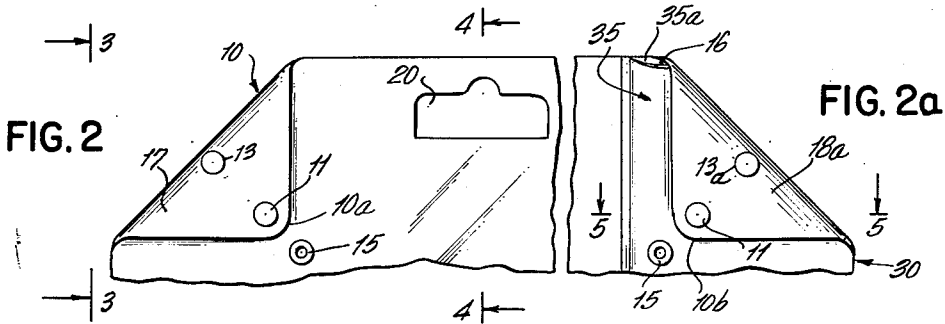
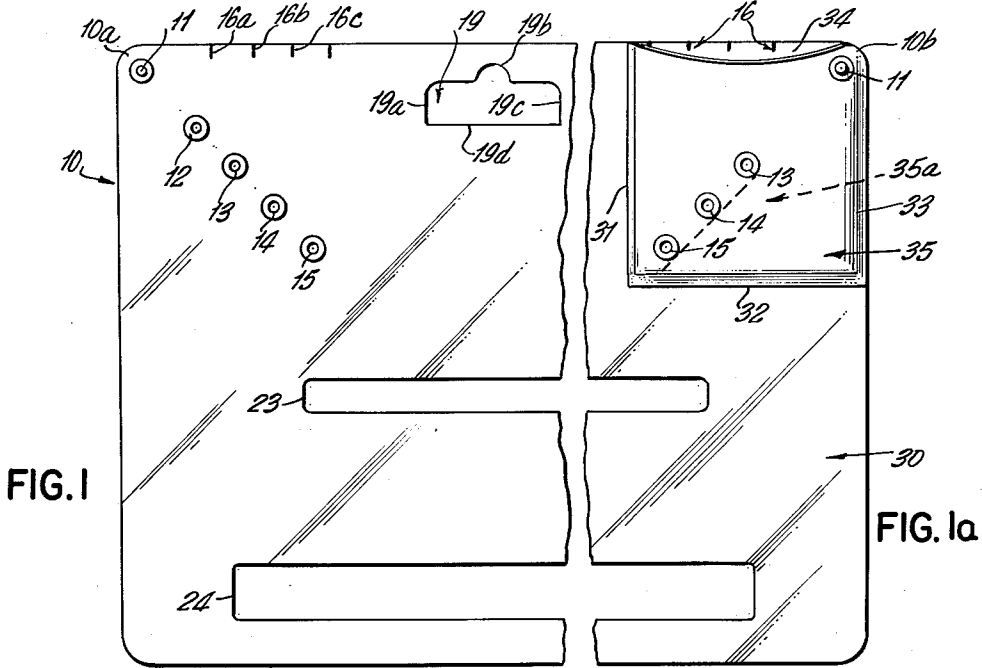
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3,064,866

GARMENT HANGER STRUCTURE MADE FROM FLAT MATERIAL

Filed May 17, 1960

2 Sheets-Sheet 1



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GARMENT HANGER STRUCTURE MADE FROM FLAT MATERIAL

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2 Sheets-Sheet 2

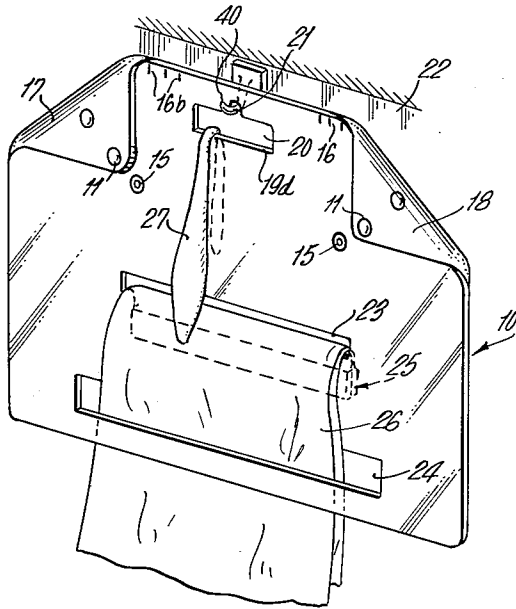


FIG. 6

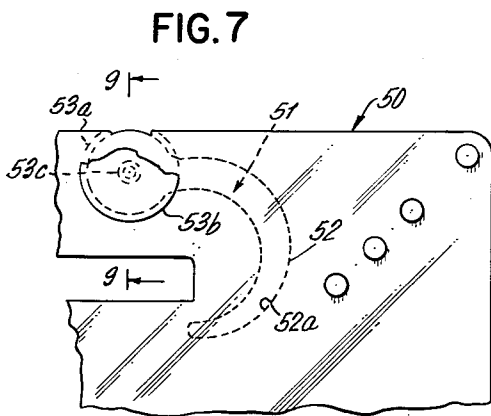


FIG. 7

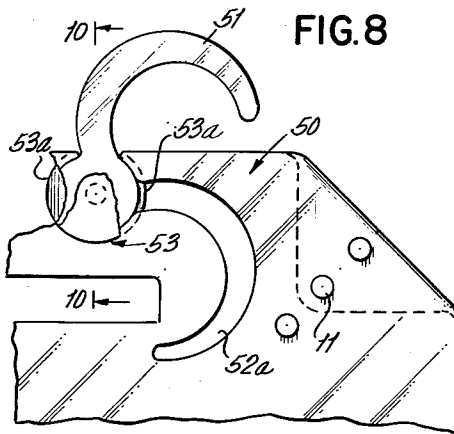


FIG. 8

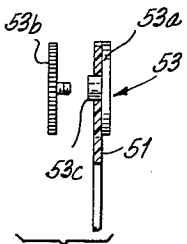


FIG. 9

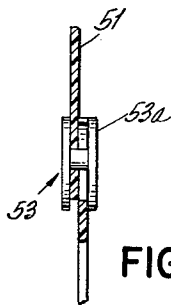


FIG. 10

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**GARMENT HANGER STRUCTURE MADE FROM
FLAT MATERIAL**

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7 Claims. (Cl. 223-87)

The present invention relates to garment hangers and, in particular, to a garment supporting device which may be made from a rectangular shaped plastic, leather or similar blank, which has in itself sufficient stiffness and can be readily brought into an arcuate state without causing breakage of the material of which the garment hanger is made.

It is one of the objects of this invention to provide means affording a highly economical garment supporting device which is readily suitable for mass production, may be easily stacked, transported or stored away and which can be assembled without the use of any tools or auxiliary devices.

It is another object of the present invention to provide means conducive to a simple, inexpensive garment support which may be readily adjusted to any size or width of a jacket, may be so transformed as to be set up for display and convenient support of a garment, such as a man's jacket and trousers and can be easily packaged and used for traveling and shipping purposes.

Another object of the present invention is to provide means resulting in a simplified and highly efficient garment holding and draping device which, in inoperative position, is completely flat and forms a quadrangular piece or blank with straight upper edge and straight side edges extending from said straight upper edge and made of relatively stiff, but flexible material snapping back from its operative and curved position into its initial flat position.

Yet a further object of the present invention is to provide means rounding to a very efficacious garment holding device, whereby the shoulders of the garment will be fully supported and wherein the curved-over shoulder supports may also be provided with pocket means of elastic material, known under the trademark "Helanca," for holding moth balls or for storing therein foldable accessories such as socks, stockings, ties, etc.

Still another object of the present invention is to provide means affording a substantially flat flexible but sturdy garment hanger structure in which the hook of the garment hanger is self-contained therein when in inoperative position, is plane and flush with the remainder of the structure and which can be readily severed and assembled so as to serve as a support means from which the remainder of the garment hanger may be suspended.

A still further object of the present invention is to provide means envisioning a substantially flat and with pockets equipped garment hanger structure, whereby the pockets fulfill the dual function to receive and withhold therein any suitable accessories, and to contribute to a reinforced and highly pressure resistant shoulder support, which may be adjusted in regard of the shoulder width or size of the garment to be suspended from the hanger structure.

These and other objects of the present invention will become further apparent from the following detailed description, reference being made to the accompanying drawings, showing preferred embodiments of the invention.

In the drawings:

FIG. 1 is a fragmentary and elevational view of a garment hanger in inoperative position made in accordance with the invention, only the left-hand part of the hanger being shown;

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FIG. 1a shows a somewhat modified view similar to that of FIG. 1, but disclosing the right-hand side of a garment hanger somewhat modified and made in accordance with the invention;

5 FIG. 2 is a left-hand, fragmentary view of the garment hanger of FIG. 1 in operative position;

FIG. 2a shows a right-hand fragmentary elevational view similar to that of FIG. 1a, with the garment hanger in operative position;

10 FIG. 3 is an end view, partly in section, of the garment hanger, as seen in accordance with line 3-3 of FIG. 2;

FIG. 4 is a view of the garment hanger, partly in section, taken along line 4-4 of FIG. 2, with the garment hanger suspended from a hook;

15 FIG. 5 is an enlarged sectional view taken along line 5-5 of FIG. 2a;

FIG. 6 shows the garment hanger of FIG. 1 in operative or position of use and suspended from a hook of a wall;

20 FIGS. 7 and 8 show, respectively, fragmentary elevational views of a modified garment hanger made in accordance with the invention, in which a hook, self contained in the hanger material, is indicated in inoperative position and in operative position, respectively;

25 FIG. 9 is a sectional view taken along line 9-9 of FIG. 7; and

FIG. 10 is a sectional view taken along line 10-10 of FIG. 8.

30 Referring now more particularly to the drawings, there is disclosed in FIG. 1 a fragmentary elevational view of the left-hand side of a garment hanger 10 in flat or inoperative position, which is shown somewhat in perspective and complete in FIG. 6.

35 The garment hanger 10 is preferably made from heavy vinyl plastic or similar material, leather or combination of leather and plastic having the characteristics of being normally flat in inoperative position, as seen in FIG. 1, and curved and bent in operative position, as seen in FIG. 6.

40 The garment hanger 10 has an upper straight edge terminating in opposed upper corners 10a with a male part of a snap button 11, which is operable with the female parts 12, 13, 14 and 15 arranged in particular fashion converging from opposite sides or corners of the structure toward the center of the device.

45 Markings 16a, 16b, and 16c on the upper straight edge may be used to predetermine the engagement of male snap button part 11 with the respective female snap button part in order to obtain a respective rounded shoulder support, as indicated at 17, 18 in FIG. 6.

50 Instead of snap buttons (grippers) fastening means in the form of hook and eyes may be employed, which secure the folded-over corner portions 17, 18 in operative positions.

55 The normally flat garment hanger 10 may have a scored flap 19 which, when severed along score lines 19a, 19b and 19c, results in an opening 20, as more particularly shown in FIG. 6, wherein the scored flap 19 has been bent over its edge 19d.

60 The garment hanger structure in this particular instance is suspended from a hook or support 21 of a wall 22. The hanger structure 10 is further provided with horizontal slots 23, 24 through which may be threaded the cuffs 25 of a pair of trousers 26, as indicated in FIG. 6, whereas one or more neckties 27 may be held and draped over the bent over edge 19d of the flap 19.

65 It ensues from the aforesaid explanations that the garment structure according to the invention in flat condition may be stacked, packaged and transported without taking up undue space, and when the garment hanger structure is transformed into operative position it fulfills all the purposes of suspending and draping a garment

thereover in a very convenient and eye-appealing manner.

In order to further strengthen, in particular, the shoulder parts of the hanger structure in accordance with the invention, when the same are placed in overlapped or operative position, as seen in FIG. 6, the invention proposes the fixation of pockets 35 onto the inner surface of the body at either upper end portion, such as corner portion 10b, as seen in FIG. 1a.

In this particular embodiment the pockets 35 may be made from a plastic material, such as elastic mesh nylon sold on the market under the trademark "Helanca" and attached by seams 31, 32 and 33 to the body of hanger structure 30. Male part 11 and respective cooperable female parts 13, 14 and 15 of cooperable fastening means, such as snap button or hook and eye means, penetrate the upper layer of pocket 35 and are anchored on the outer surface of body 30 of the hanger structure, as seen in FIG. 2a for example, at 13a, of the sheet material or body.

Each pocket 35 is defined, in this instance, by female fastening parts 13, 14 and 15 and by seams 32, 33, leaving an effective pocket space 35a to which access may be had from opening 34. If desired, female part 13 may be omitted thereby to enlarge said pocket space.

Markings 16, similar to markings 16a, 16b, 16c (FIG. 1) are provided along the upper straight blank edge in order to overlap the corner 10b of the garment hanger structure 30 in a manner as exemplified in FIG. 2a, wherein the male part 11 engages a predetermined or selected female part of the separable fastening means in accordance with the size and dimensions of the shoulders of the garment, such as a jacket (not shown).

Garment hanger 10 of FIG. 1 is shown in FIG. 2 with the shoulder portion 10a in a predetermined position, whereby snap button part 11 engages, for example, female snap button part 14. In a similar manner garment hanger structure 30, as shown in FIG. 2a, has been placed in operative position by overlapping corner portion 10b of the garment structure for engagement of its male part 11 with the respective female part 14 (not shown in the drawing), a part 35a of the pocket 35 being still visible.

FIG. 3 shows a view, partly in section, of the male snap button part 11 in engagement position with the female snap button part 14 of the hanger structure 10, whereas FIG. 4 shows the garment hanger 10 suspended from a hook 40 passing through opening 20 of the hanger structure 10, the hook 40 being fixed to a wall 41 as at 42.

FIG. 5 is a sectional view of the garment hanger 30 seen in FIG. 2a, in which the male snap button part 11 engages with female snap button part 14 on the pocket 35, the interior 36 of pocket 35 being clearly indicated, and furthermore the draped over portion 18a of the garment hanger 30.

In accordance with FIG. 7, the flat hanger device 50 made in accordance with the invention is shown with a hook 51 defined by a score line 52. A removable clamp 53 serves to hold hook 51 on the garment hanger body 50, as more clearly depicted in FIG. 9, where the hook 51 is movable about head 53a into which a screw bolt 53b is threadedly inserted for the engagement with a sleeve 53c which extends from head 53a. In order to retain hook 51 in position after it has severed along score line 52 from the body of hanger structure 50, hook 51 is tightly held thereagainst by means of clamp device 53.

The assembled hook 51 on the garment hanger structure 50 is more clearly seen in FIG. 8, wherein hook 51 is retained in its operative position and may be rotated about clamp device 53 in any desired position. 52a shows the opening in the garment hanger structure 50 after removal of hook 51 from its scored position, as seen in FIG. 7.

FIG. 10 shows a section taken along line 10--10 of

FIG. 8 with hook 51 in its operative position and with the screw-threaded sleeve connection or clamp 53 in engagement position.

It can thus be seen that there has been provided, according to this invention, a novel and very efficacious garment hanger structure having various combinational features comprising a normally flat and substantially rectangular shaped flat body made of flexible and resilient sheet material, said body being provided with at least two oppositely disposed, outermost upper corner portions terminating in respective corners, sets of snap button means, each set including a male part arranged adjacent the respective corner and a plurality of female parts spaced from each other and from said respective male part for cooperation with the latter, said female parts being arranged in diagonal rows converging from the respective corners, and means connected to said body at said corners to reinforce the latter and simultaneously forming pockets for holding articles therein, said sets of snap button means being supported by said pockets, said corner portions, when swung and placed in overlapping relation with the remainder of said body and when said male parts are engaged with respective female parts, selectively constituting curved shoulder parts for engaging and supporting the shoulders of a garment, said pockets filling the space between said overlapped corner portions and the respective adjacent body portions, which the corner portions overlie.

Various changes and modifications may be made without departing from the spirit and scope of the invention and it is intended that such obvious changes and modifications be embraced by the annexed claims.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent, is:

1. A garment hanger structure comprising, in combination, a substantially rectangular-shaped, flat body made of flexible and resilient sheet material, said body being provided with an upper straight edge extending completely across said body and defining at least two oppositely disposed, outermost upper corner portions terminating in respective corners, sets of snap button means, each set including a male part arranged adjacent the respective corner and a plurality of female parts spaced from each other and from said respective male part for cooperation with the latter, said female parts being arranged in diagonal rows converging from the respective corners, and means connected to said body at said corners to reinforce the latter and simultaneously forming pockets for holding articles therein, said sets of snap button means being supported by said body, said corner portions, when swung and placed in overlapping relation with the remainder of said body and when said male parts are engaged with respective female parts, selectively constituting curved shoulder parts for engaging and supporting the shoulders of a garment, said pockets filling the space between said overlapped corner portions and the respective adjacent body portions, which the corner portions overlie.

2. A garment hanger structure, comprising, in combination, a substantially rectangular-shaped, flat body made of flexible and resilient sheet material, said body being provided with an upper straight edge having two oppositely disposed, outermost upper corner portions terminating in respective corners, pocket means fixedly connected to at least one of said corner portions to reinforce the latter, sets of snap button means, each set including a male part arranged adjacent the respective corner and a plurality of female parts spaced from each other and from said respective male part for cooperation with the latter, said female parts being arranged in diagonal rows extending from the respective corners and being supported by said body, said corner portions, when swung and placed in overlapping relation with the remainder of said body and when said male parts are engaged with respective female parts, selectively, constituting curved shoulder parts for engaging and supporting the shoulders of a garment, said pockets filling the

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space between said overlapped corner portions and the respective adjacent body portions, which the corner portions overlie.

3. A garment hanger structure comprising, in combination, a substantially rectangular-shaped, flat body made of flexible material and provided with an upper straight edge having two opposite, outermost, upper corner portions terminating in respective corners, and snap button means interengageable with each other and arranged adjacent said corners and supported by said body, said snap button means including a male part located adjacent the respective corner and a plurality of female parts spaced from said male parts and arranged for cooperation with said male parts, said female parts extending in a predetermined fashion on said body relative to said male parts, said body being provided with an opening located below said straight edge and intermediate said corner portions to facilitate suspension of said body, said corner portions being adapted to be flexed in overlapped relation to the remainder of said flat body and said male parts being engaged with selected female parts of said snap button means for retaining said corner portions in position by the latter and constituting curving shoulder parts of predetermined width in accordance with the shoulders of a garment for placement on said shoulder parts.

4. A garment hanger structure according to claim 3, including marking means located on the surface of said body and along said upper edge adjacent said corner portions for indicating size and shoulder width of said garment, so that the overlap of said corner portions may be had in conformity with a selected garment shoulder width.

5. A garment hanger structure comprising a substantially rectangular flat body of flexible material bounded by an upper straight edge and substantially parallel downwardly directed side edges extending from the ends of

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said upper straight edge, said upper edge and said side edges defining respective upper corner portions, each corner portion having an upper corner, a male fastener element located near each corner and on one face of said body, said body being provided with an opening located spaced from and centrally of said upper edge, and a plurality of opposite female fastener elements extending diagonally to the respective corners and in succession and predetermined distances from the respective male fastener elements at said corners, said predetermined distances corresponding to respective widths of shoulders of garments, said male fastener elements engaging with respective female fastener elements, whereby portions of said straight upper edge and said side edges overlie said one face of said body, said opening being further bounded by and extending between said opposite female fastener elements and facilitating balanced suspension of said hanger structure from a support.

6. A hanger structure according to claim 5, each corner portion being provided with a piece of material superpositioned on said flat body material and connected thereto but for the respective upper edge portions thereby to form pockets, said male and female fastener elements being anchored on said piece and said body material.

7. A hanger structure according to claim 5, said opening being defined by a scoring line determining the contour of the edge bounding said opening with respect to said body.

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