Dec. 10, 1963 S. A. WISTON 3,113,707

DISPLAY FORM FOR GARMENTS

Filed March 30, 1962 2 Sheets-Sheet 1

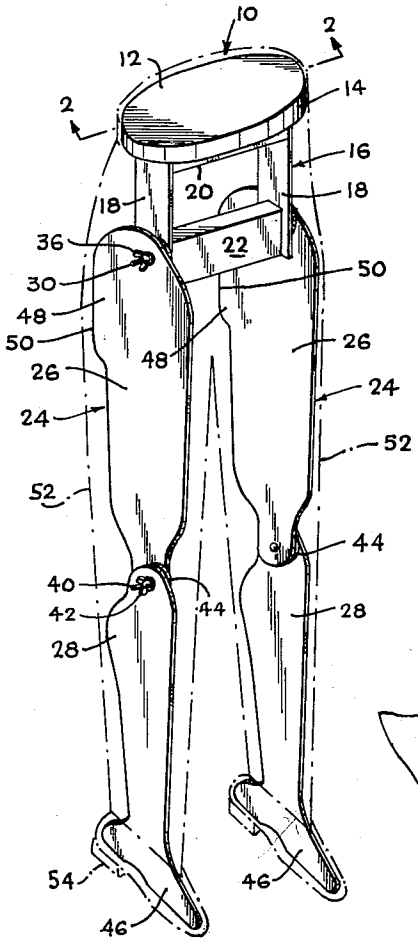


Fig. 1

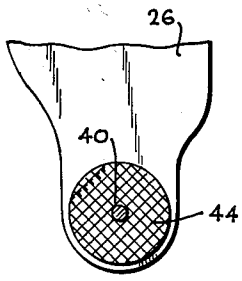


Fig. 3

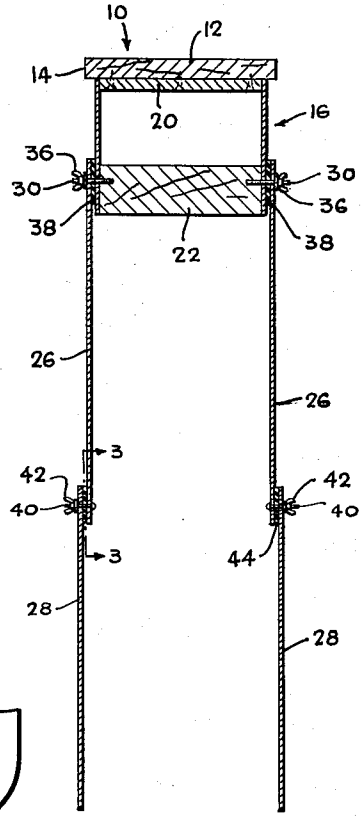


Fig. 2

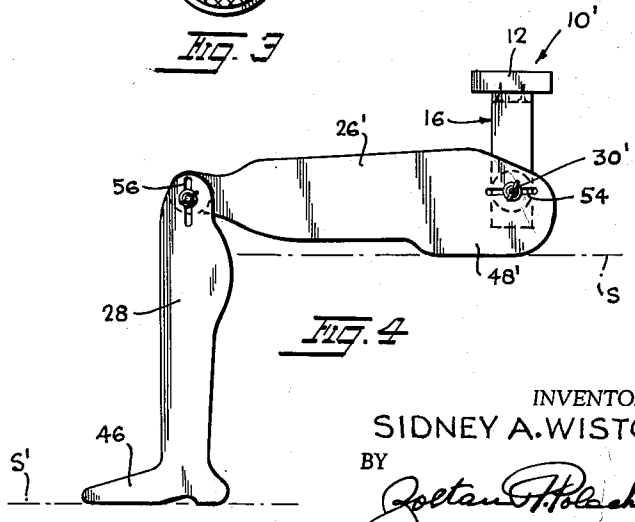


Fig. 4

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DISPLAY FORM FOR GARMENTS

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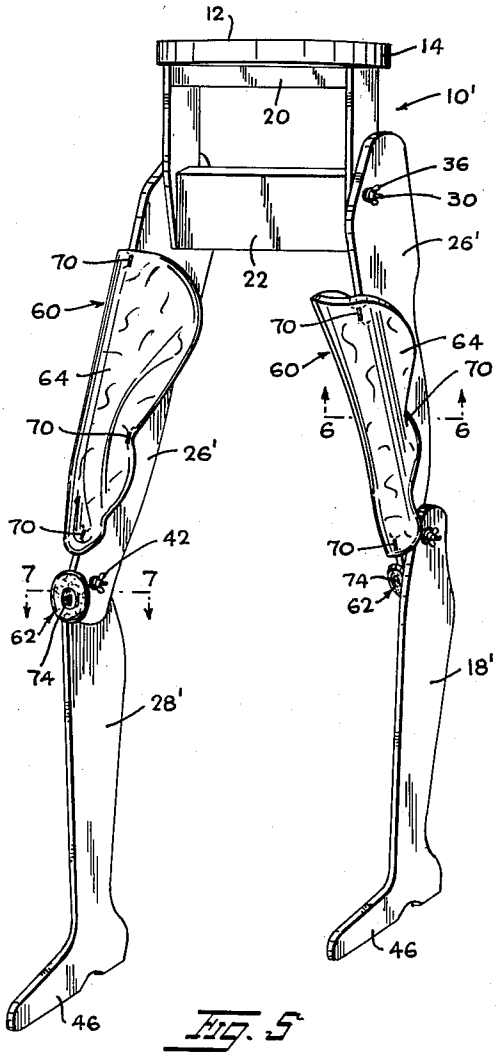


Fig. 5

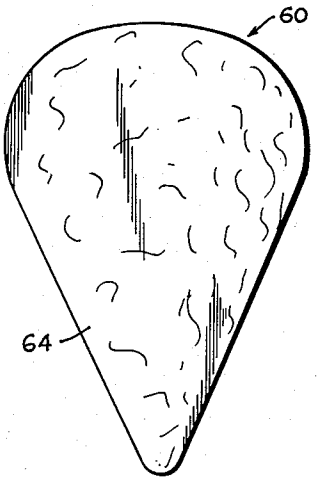


Fig. 8

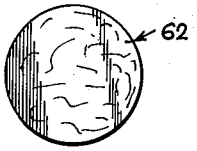


Fig. 9

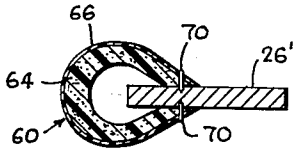


Fig. 6

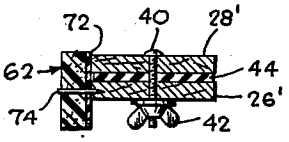


Fig. 7

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3,113,707

DISPLAY FORM FOR GARMENTS

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2 Claims. (Cl. 223—72)

This invention relates generally to display forms for men's and ladies' outer garments and more particularly to an improved display form for a man's or lady's outer garment having a pair of elongated leg portions and a waist portion, such as a pair of trousers or a pair of slacks.

A principal object of the present invention is to provide a simple and inexpensive form or device for displaying an outer garment of this kind in such a manner that the garment will have substantially the same shape and form as that taken when the garment is displayed by a live model.

Another object of the invention is to provide a display form for an outer garment of this kind, which form is so constructed and arranged that it can be adjusted to fit different sizes and forms of garments.

A further object of the invention is to provide a display form for an outer garment of this kind so constructed and arranged that the garment supported thereon will not be wrinkled or distorted out of shape.

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

In the accompanying drawings forming a material part of this disclosure:

FIG. 1 is a front perspective view of a display form embodying one form of my invention, an outer garment being shown thereon in supported display position in dash lines.

FIG. 2 is a vertical sectional view taken on the line 2—2 of FIG. 1.

FIG. 3 is a vertical sectional view taken on the line 3—3 of FIG. 2, on an enlarged scale.

FIG. 4 is a side elevational view of a display form embodying a modified form of the invention, the form being shown in articulated condition with an outer garment being shown in supported position thereon in dash lines.

FIG. 5 is a view similar to FIG. 1 of a display form embodying another modified form of the invention.

FIG. 6 is a cross-sectional view on the line 6—6 of FIG. 5 on an enlarged scale.

FIG. 7 is a cross-sectional view on the line 7—7 of FIG. 5, on an enlarged scale.

FIG. 8 is a top plan view of a thigh pad forming part of the invention, on an enlarged scale.

FIG. 9 is a top plan view of the knee cap pad and forming part of the invention, on an enlarged scale.

Referring in detail to the drawings, in FIG. 1 a display form made in accordance with the present invention for supporting in display position an outer garment is shown and designated generally by the reference numeral 10. The display form 10 is formed of inexpensive material such as synthetic wood, sawdust type wood, but it will be understood that it may be made of plastic material or any other suitable inexpensive material, as the form is to be concealed by the supported garment.

The display form 10 comprises a thick oval-shaped block 12 of synthetic wood with smooth upper and lower surfaces and with a smooth peripheral edge 14. The block 12 is supported on a frame 16 comprising a pair of spaced flat sheet boards 18, 18 of synthetic wood, connected at the top by a block or crosspiece 20 of thicker wood and connected at the bottom by a block

or crosspiece 22. Block 22 is much thicker than the top block 20. The ends of the cross pieces or blocks are preferably secured to the inner surface of the boards 18, 18 by adhesive.

In accordance with the invention, a pair of leg elements 24, 24 are supported by the frame 16 in suspended condition. The leg elements are formed of sheet material, preferably plywood. Each leg element is composed of a pair of flat leg sections, a top section 26 and a bottom section 28, as viewed in FIG. 1. The leg sections are connected to the frame 16 and to each other in articulated fashion. The connection of the top leg sections to the frame is by means of bolts 30 threaded through aligned holes and recesses in the leg sections 26 and bottom block 22, respectively, and by wing nuts 36 on the outer protruding ends of the bolts. Plastic washers 38 with roughened surfaces are preferably interposed between the overlapping portions of the leg sections 26 and boards 16.

The adjacent overlapping meeting ends of the upper and lower legs 26 and 28, respectively, are slightly narrowed and are connected in simulation of human knee joints by bolt and nut assemblies including threaded bolts 40 and wing nuts 42 on the outer protruding ends thereof. Plastic washers 44 similar to washers 38 are interposed between the overlapping ends of the leg sections.

The free ends of the lower leg sections 28 are shaped to simulate human feet 46.

The upper leg sections 26 are wider than the lower leg sections 28 and are provided with enlarged portions 48 simulating the hips, which enlarged portions are formed with straight edges 50 providing a seating surface for the form such as shown in FIG. 4. The leg elements 24, 24 are articulate and may be moved similarly to human legs and assume any position assumed by human legs. The plastic washers 44 anchor the legs in moved adjusted position, serving as brakes.

An outer garment such as a pair of slacks 52 having a pair of leg sections and a waist portion as shown in dash lines in FIG. 1 may be pulled up over the leg sections 26 and 28 of the form, with the waist portion of the slacks over the frame 16 and over the periphery 14 of the block 12. The garment will have the appearance of being fitted on the legs and waist portion of a human being. Shoes 54 may be fitted over the feet 46 of the display form for display purposes.

The overall dimensions of the display form may be of a size to adapt it to the needs of the type of garment to be supported and displayed. For example, the overall length may be approximately 3'8" and the width approximately 9½".

The modified display form 10' shown in FIG. 4 differs from the display form 10 shown in FIGS. 1 to 3, inclusive, merely in forming the upper or hip portions 48' of the upper leg sections 26' with elongated slots 54 instead of holes to receive the bolts 30', and in changing the holes in the knee joints to elongated slots 56. By reason of this construction, the overall length of the form and/or the overall length of the legs alone may be adjusted. The form 10' is shown folded and placed in seated position on a supporting surface or seat S, with the feet on a lower supporting surface or floor S'.

Referring now to the display form 10' shown in FIG. 5, this form is similar to the display form 10 of FIG. 1 except that elongated pads 60 are positioned on the front edges of the thigh portions of the top sections 26' of the leg elements 24', 24', and pads 62 are positioned on the outer surface of the joints between the top sections 26' and bottom sections 28' of the legs.

A pad 60 is shown in detail in FIG. 8 and comprises a substantially triangular shaped narrow body 64 of foam rubber with a skin coating 66. The body is folded longitudinally and placed over the outer edge of the respec-

tive top section 26' and when folded is fastened to the top sections, at its narrow end at the center of its wide top end and at its sides midway its ends by staples 70. When the pads 60 fan out, laterally of the top leg sections 26' the pads afford a broad bearing surface simulating the thighs of the human legs. The skin 66 is on the outer surface of the pad and is smooth to facilitate movement of the garment.

The pads 62 are formed of foam rubber and are normally circular in shape as shown in FIG. 9 with a skin 72 on the inner surface thereof. In use, the pads are folded transversely with the skin on the outer surface thereof and positioned over the outer edges of the top section 26' of the legs, at bottom ends thereof, at the joints, between the top and bottom sections of the legs and are fasened to the outer edges by means of staples 74. When in folded position at the joints, the pads assume the shape of knee caps, and the rough exposed surfaces prevent undue movement of the garment.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and that various changes and modifications may be made 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 display form for a garment comprising a waist-forming element and spaced leg-forming elements, said waist-forming element including a three-dimensional frame, said leg-forming elements being formed of flat relatively stiff sheet material having outlines along their edge portions simulating the legs of a human figure, the frame being thicker than the leg-forming elements and being supported by said leg-forming elements, said leg-forming elements each being composed of an upper section and a lower section, said sections being connected to each other and to the frame in articulated fashion, said frame including a pair of spaced thin flat boards, a block connecting the top ends of the boards, a rectangular block connecting the bottom ends of the boards, an oval block supported on the top of the top connecting block, said articulated fashion connection including bolt and nut assemblies joining the adjacent ends of the top sections of the leg elements to the spaced thin flat boards, bolt and nut assemblies joining the adjacent overlapping ends of the upper and lower sections of the leg elements, and plastic washers having roughened surfaces interposed between the joined top sections of the leg elements and the flat boards and between the joined overlapping ends of the upper and lower sections of the leg elements, the free ends of the lower sections of the leg elements being shaped to simulate the feet of a human figure.

2. A display form for a garment comprising a waist-forming element and spaced leg-forming elements, said waist-forming element including a three-dimensional frame, said leg-forming elements being formed of flat relatively stiff sheet material having outlines along their edge portions simulating the legs of a human figure, the frame being thicker than the leg-forming elements and being supported by said leg-forming elements, said leg-forming elements each being composed of an upper section and a lower section, said sections being connected to each other and to the frame in articulated fashion, said frame including a pair of spaced thin flat boards, a block connecting the top ends of the boards, a block connected on the top of the top connecting block, foam rubber pads fastened to the front edges of the upper sections of the leg-forming elements, a smooth skin cover on the outside of each pad to facilitate movement of the garment thereover, said pads extending laterally of the upper sections in simulation of the thighs of a human figure, and foam rubber pads fastened to the front edges of the upper sections of the leg-forming elements at the bottom ends of said upper sections at the joints between the upper and lower leg-forming sections, said pads shaped to simulate knee caps of a human figure, the outer surfaces of the knee cap pads being rough to prevent undue movement of the garment, the outer surfaces thereof being lined with skins.

References Cited in the file of this patent

UNITED STATES PATENTS

1,697,617	Stringfield	Jan. 1, 1929
2,501,903	Huggins	Mar. 28, 1950
2,552,011	Nuckols	May 8, 1951
2,573,347	Mazzola	Oct. 30, 1951
2,785,407	Reeder	Mar. 19, 1957
2,976,093	Reiling	Mar. 21, 1961

FOREIGN PATENTS

898,393	Germany	Nov. 30, 1953