

Nov. 26, 1963

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WATERPROOF OVER-PANTS

Filed Oct. 16, 1962

2 Sheets-Sheet 1

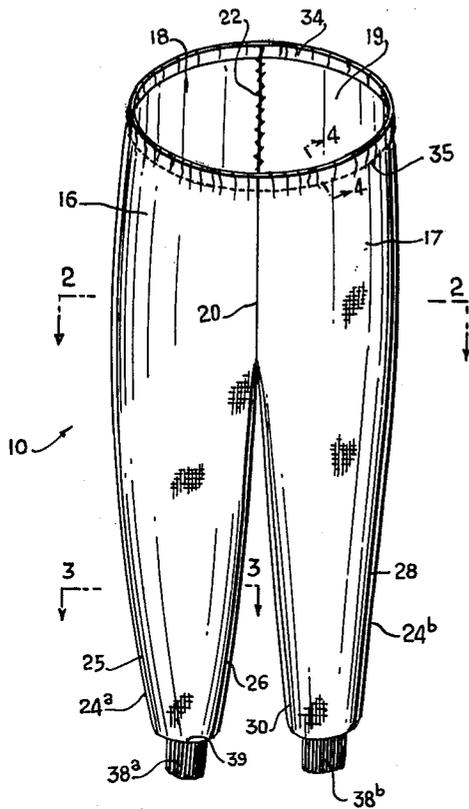


Fig. 1.

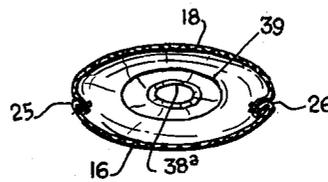


Fig. 3.

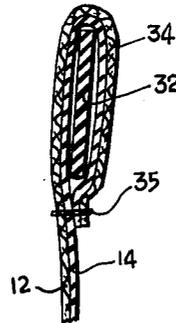


Fig. 4.

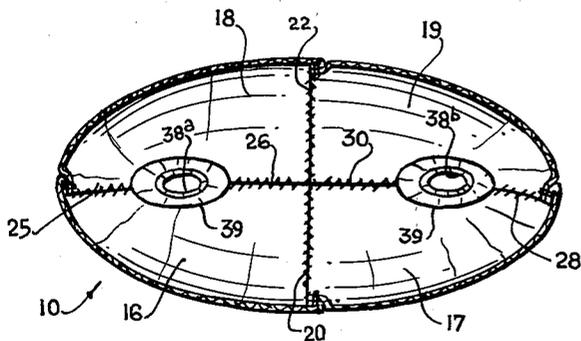


Fig. 2.

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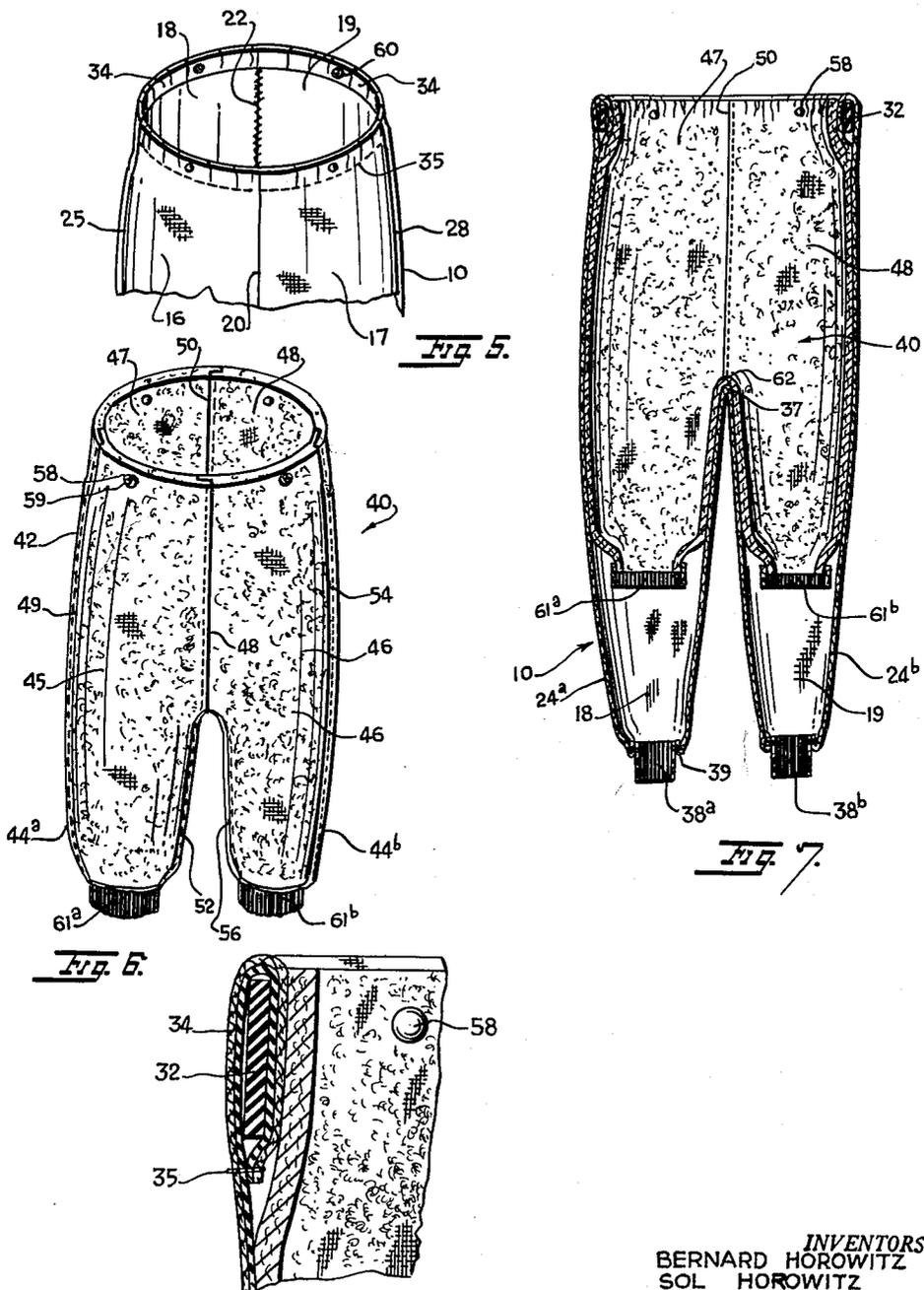


Fig. 5.

Fig. 6.

Fig. 7.

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**WATERPROOF OVER-PANTS**

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2 Claims. (Cl. 2—227)

This invention concerns a waterproof overgarment for children and adults.

According to the invention, there is provided a trousers type of garment having a snug fitting waist portion and snug fitting woven fabric ankle portions. The garment is of waterproof construction and is made of closely woven nylon fabric with a neoprene coating on its inner side. The garment may include a removable felt or insulated liner, added to provide warmth to the wearer.

It is therefore one object of the invention to provide a waterproof trousers type of overgarment with snug fitting, elastic waist and ankle portions.

It is another object to provide a garment of the type described with a fibrous insulated liner having a waist portion detachably securable to the waist of the garment and legs having snug fitting elastic woven fabric end portions.

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 oblique view of a garment embodying the invention.

FIGS. 2, 3 and 4 are sectional views on enlarged scales taken on lines 2—2, 3—3 and 4—4, respectively, of FIG. 1.

FIG. 5 is a fragmentary oblique view of another garment embodying the invention.

FIG. 6 is an oblique front view of a liner for the garment of FIG. 5.

FIG. 7 is a vertical, longitudinal sectional view through the garment of FIG. 5 with the liner of FIG. 6 disposed therein.

FIG. 8 is a fragmentary sectional view similar to a portion of FIG. 7, but on a larger scale.

Referring to the drawings, there is shown in FIGS. 1—4 a garment 10 made of a thin fabric preferably including a two-ply nylon layer 12 on the outer side and a waterproof coating 14 of a synthetic rubber such as neoprene on the inner side. The nylon provides strength to the garment while the neoprene renders the garment waterproof. The garment is made of four sections 16, 17, 18 and 19. In the trunk of the garment, sections 16, 17 at the front are joined by a central seam 20 and sections 18, 19 at the rear are joined by a central seam 22.

Leg 24<sup>a</sup> of the garment is formed by joining sections 16 and 18 in an outer seam 25 and inner seam 26. Seam 25 extends along the outer side of the garment through the trunk. Leg 24<sup>b</sup> of the garment is formed by joining sections 17 and 19 in an outer seam 28 and an inner seam 30. Seam 28 extends along the outer side of the garment through the trunk.

At the waist of the garment is an elastic band 32 enclosed in a closed folded top portion 34 of the garment secured by stitching 35 extending all around the garment to form an elastic waistband.

At the bottom ends of the legs are elastic anklets 38<sup>a</sup>, 38<sup>b</sup> formed of knitted fabric secured by stitching at seams 39.

The garment can be worn by a child or adult as an

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outer garment over other inner garments. The garment will protect the inner garments from moisture, soiling and the like, in inclement weather.

FIGS. 5—8 illustrate a modification of the invention, in which garment 10 may be provided with a removable inner liner 40. The liner is shown to best advantage in FIGS. 6—8. The liner is preferably formed of felt or other thermal insulation fabric, and has a trunk portion 42 and two short leg portions 44<sup>a</sup>, 44<sup>b</sup>. The liner is formed of two front sections 45, 46 joined by a central seam 48 and two rear sections 47, 48 joined by a central seam 50. Sections 45, 47 are joined by an outer seam 49 and an inner seam 52 at leg portion 44<sup>a</sup>. Sections 46, 48 are joined by an outer seam 54 and an inner seam 56 at leg portion 44<sup>b</sup>. Male snap fastener elements 58 are provided on the several sections. The studs 59 of these elements engage in corresponding female snap fastener elements 60 secured to the inner side of the waistband portion 34 of the garment 10; see FIG. 5.

At the bottom ends of the leg portions 44<sup>a</sup>, 44<sup>b</sup> are secured elastic bands 61<sup>a</sup>, 61<sup>b</sup> which serve to grip the thighs or calves of the wearer above or below the knees as the wearer may desire. The crotch 37 of the outer garment supports the crotch 62 of the liner 40. The trunk of the liner thus conforms snugly with the inner side of the trunk of the outer garment 10. The leg portions 44<sup>a</sup>, 44<sup>b</sup> conform with upper parts of the legs 24<sup>a</sup>, 24<sup>b</sup> of the outer garment and can be adjustably engaged along the legs of the wearer.

The liner 40 provides warmth to the garment 10 and adapts it for use in colder weather. The elastic waistband 32 of the garment 10 serves to engage the liner snugly around the waist of the wearer. The snap fasteners hold the upper end of the liner in place. The upper end of the liner 40 terminates just below the upper end of the garment 10 so that the liner is not visible when the garment is worn. The liner can be readily removed if desired by disengaging the snap fasteners.

While we have illustrated and described the preferred embodiments of our invention, it is to be understood that we do not limit ourselves 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 our invention, what we claim as new, and desire to secure by United States Letters Patent is:

1. An outer garment, comprising an outer trousers-like structure and an inner removable liner, said structure having a trunk portion and two depending leg portions, said trunk and leg portions being formed by thin woven cloth material coated on its inner side with a waterproof coating, said trunk portion having an upper open end with its edge folded over to define a closed tubular waistband, an elastic member in said waistband to constrict the upper end of the trunk portion, elastic anklets secured to lower open ends of the leg portions to constrict said lower open ends, said liner being formed of thermal insulated fabric, said liner having an insulated trunk portion conforming in shape with and fitting inside the trunk portion of said trousers-like structure, said liner having insulated leg portions depending from the insulated trunk portion inside the two leg portions respectively of said trousers-like structure, elastic bands secured to lower open ends of said liner, said liner and trousers-like structure having crotches overlaying each other, said liner having an open upper end terminating just short of the open upper end of the trunk of said trousers-like structure, and fastener means on the upper end of the liner detachably engaged with other fastener means on the upper end of said trousers-like structure, the leg portions of said

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liner being shorter than the leg portions of said trousers-like structure, so that the anklets may engage ankles of a wearer while the elastic bands at the lower ends of the leg portions of the liner may engage other parts of the legs of the wearer.

2. An outer garment, comprising an outer trousers-like structure and an inner removable liner, said structure having a trunk portion and two depending leg portions, said trunk and leg portions being formed by thin woven cloth material coated on its inner side with a waterproof coating, said trunk portion having an upper open end with its edge folded over to define a closed tubular waistband, an elastic member in said waistband to constrict the upper end of the trunk portion, elastic anklets secured to lower open ends of the leg portions to constrict said lower open ends, said liner being formed of thermal insulated fabric, said liner having an insulated trunk portion conforming in shape with and fitting inside the trunk portion of said trousers-like structure, said liner having insulated leg portions depending from the insulated trunk portion inside the two leg portions respectively of said trousers-like structure, elastic bands secured to lower open ends of said liner, said line rand trousers-like structure having crotches overlaying each other, said liner having an open upper end terminating just short of the open ends of said liner, said liner and trousers-like struc-

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ture, and fastener means on the upper end of the liner detachably engaged with other fastener means on the upper end of said trousers-like structure, the leg portions of said liner being shorter than the leg portions of said trousers-like structure, so that the anklets may engage ankles of a wearer while the elastic bands at the lower ends of the leg portions of the liner engage other parts of the legs of the wearer, said liner being formed of four sections of said fabric joined together to form the trunk portion of the liner, one pair of the fabric sections having extensions joined together to form one of the liner leg portions, the other pair of fabric sections having extensions joined together to form the other one of the liner leg portions.

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