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3,018,486

SHELL COATS

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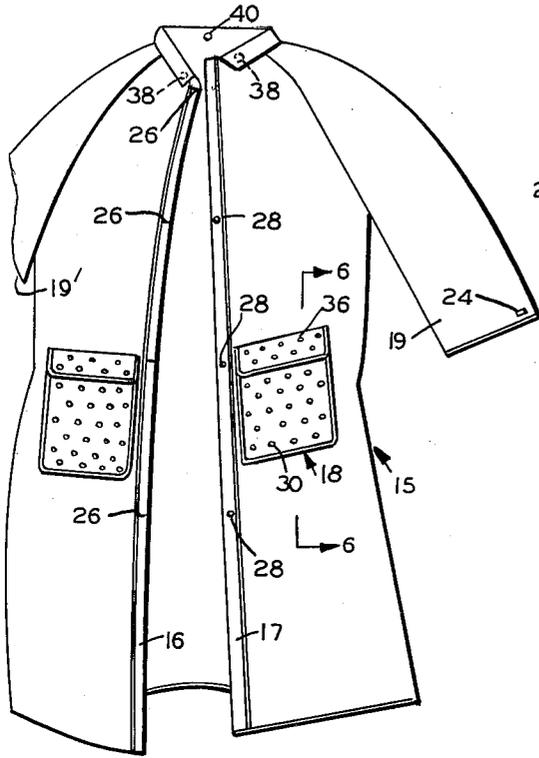


FIG. 2

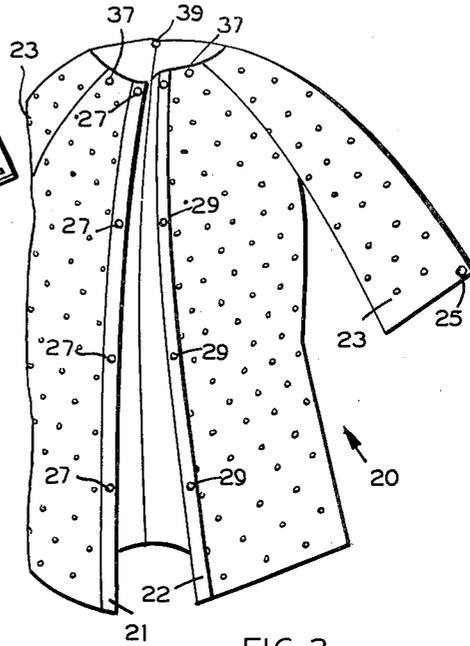


FIG. 3

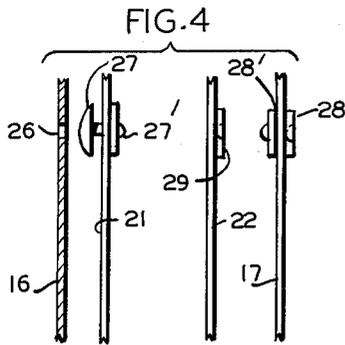


FIG. 4

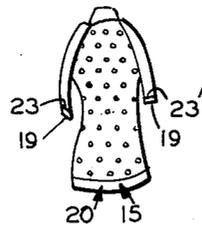


FIG. 1

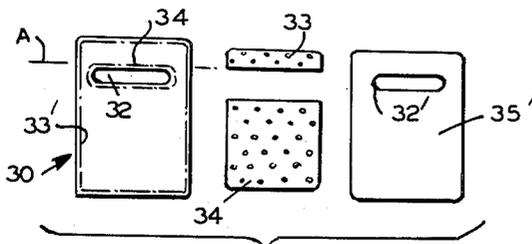


FIG. 5

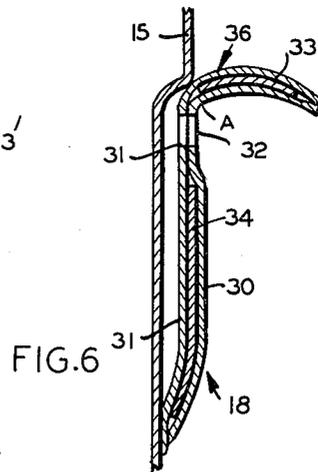


FIG. 6

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SHELL COATS

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1 Claim. (Cl. 2—87)

The present invention relates to raincoats and more particularly to the type known in the trade as shell coats. These comprise an outer coat of transparent plastic which is called the shell and an inner coat usually made of printed fabric. The inner coat of course lines the outer coat, thereby lending its decorative surface to view.

Heretofore, it has been the common practice to stitch the associated coats together to make a single garment. Since the lines of stitching permit seepage therethrough, these garments were not 100% waterproof, and the inner and outer components being secured, should the plastic shell tear, the garment had to be thrown away.

It is therefore an object of this invention to provide a raincoat of the type mentioned, which is fully waterproof and by making the outer plastic shell detachable from the inner fabric coat, the outer coat by itself may serve as a raincoat, the inner coat by itself may be worn as a duster or house coat and one outer coat may be used with any one of a number of inner coats of fabrics of different design respectively. It is evident, that if the plastic outer garment should tear, it can be replaced.

Heretofore, when the outer coat had a pocket, that portion of the inner coat covered by such pocket would appear dim in comparison with the remainder of the garment, because the covered portion would be viewed through two thicknesses of plastic, while the remainder of the inner coat would be viewed only through one thickness. Further, if said pocket had a flap, that part of the inner coat covered by such flap would appear very dim, because it would be viewed through at least three thicknesses of plastic.

It is therefore another object of this invention to provide this type of garment with a novel and improved pocket construction avoiding the above objections.

A further object of this invention is to provide a shell coat of novel and improved construction having the desirable attributes mentioned, which is simple to manufacture, reasonable in cost, easy to assemble and to separate its inner and outer components and efficient in carrying out the purposes for which it is designed.

Other objects and advantages will become apparent as this disclosure proceeds.

In the accompanying drawing forming part of this specification, similar characters of reference indicate corresponding parts in all the views.

FIG. 1, drawn to a reduced scale, is the back view of a garment embodying the teachings of this invention. It consists of a fabric garment inside an outer transparent waterproof plastic garment.

FIG. 2 is a front view of the outer plastic coat, provided with pockets in accordance with this invention.

FIG. 3 is a front view of the inner fabric coat.

FIG. 4 is an enlarged fragmentary composite view showing the free vertical edges of the front facings of both coats, except that one of such edges is shown in section to show one of the button holes therethrough. These facings carry the buttoning means.

FIG. 5 is a composite view showing the surfaces of the components which are used to make a flapped, decorated pocket for the outer coat.

FIG. 6 is an enlarged section taken at line 6—6 in FIG. 2, showing the pocket construction.

In the drawing showing a preferred construction of the

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garment concerned with herein, the numeral 15 designates generally a waterproof, transparent plastic outer coat having the lengthwise front facings 16 and 17, one or more pockets denoted generally by the numeral 18 and the sleeves 19, 19'. The numeral 20 designates generally a fabric coat which may have an over-all printed design. The front facings of this inner fabric coat are marked with the numerals 21 and 22 respectively and its sleeves are denoted by the numerals 23, 23' respectively. At wrist region of each of the sleeves 19, 19', there is a button hole 24, only one of which appears in the drawing, for engagement with the button 25 similarly located on the sleeves 23, 23', when the inner coat 20 is set within the outer coat 15. The facing 16 has spaced button holes 26 for engagement with the plastic covered buttons 27 which are secured on the outer surface of the facing 21. At the back surface of the facing 21, at each button position, there is a male snap component 27' for engagement with either the female snap components 28 on the outer surface of the facing 17, or 29 on the outer surface of the facing 22. Immediately behind each female snap component 28, on the inner face of the facing 17, there is a male snap component 28' for engagement with the female snap component 29 on the outer surface of the facing 22.

For each pocket 18, a pair of identical rectangular sheets of transparent plastic may be used. These sheets are generally designated by the numerals 30 and 31 respectively, and set upright, each has a cross-wise horizontal closed-ended slot, shown respectively at 32, 32', at a position below the top ends of said sheets, to define a flap. Between said sheets, above said slots, a rectangular fabric piece 33 is interposed, and below said slots, the rectangular fabric piece 34 is interposed; said fabric pieces being of the same material as the inner coat 20. Then these sheets 30, 31 with said fabric pieces between them are heat sealed along the perimeter line 33' and also along the slots' perimeters line 34' and to the outer face of the outer garment 15 at proper position, along that part of the perimeter line 33' which is below the line "A"; said line being above and along the upper edge of the registered slots 32, 32', and also along the line "A". That part of the assembled plies 30, 31 which is above the seam line "A", is bent down to serve as a flap 36 for the pocket 18 formed. The registered openings 31, 32 offer the pocket a mouth and said flap covers such mouth to make the pocket waterproof. The fabric pieces 33, 34 are of course within the confines between the heat seam lines 33' and 34'. Without further illustration in the drawing, it is readily understandable that pocket and flap shapes may be other than rectangular, in which instances the perimetral shapes of the inserted fabric pieces 33, 34 are made to suit the spaces between the heat seam lines.

All seams of the outer plastic coat 15 are heat sealed whereby such coat is waterproof. All seams attaching the pocket 18 to the outer coat's surface being heat sealed, and as mentioned with the aid of the flap 36, the pocket is waterproof.

When the inner garment 20 is set within the outer garment 15, the buttons 25 are made to engage the button holes 24, the cooperative snap elements 39 and 40 are engaged, so are the snaps 37, 37' with their mates 38, 38' respectively. Snap components 28', 29 are engaged and so are the snap components 27' with 28, and the buttons 27 are set through the button holes 26.

All engaging elements are of course separable so that the coats 15 and 20 may be separated and used separately, the outer plastic coat 15 as a raincoat and the inner fabric coat 20 as a duster or house coat. To button the house coat 20, the snap elements 27' and 29 are engaged. To button the outer coat 15, male snaps not shown, would

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have to be provided on the back of facing 16 at each position of a button hole 26.

It is to be noted that when the coats 15 and 20 are combined, the inner coat is within the confines of the outer coat to have the protection of the outer raincoat 15. When the outer coat 15 is worn alone, the fabric inserts 33, 34 lend decorative value to the garment.

This invention is capable of numerous forms and various applications without departing from the essential features herein disclosed. It is therefore intended and desired that the embodiment herein shall be deemed merely descriptive and not restrictive and that the patent shall cover all patentable novelty herein set forth; reference being had to the following claim rather than to the specific description herein to indicate the scope of this invention.

I claim:

In a garment of the character described, an outer, wholly waterproof, transparent plastic coat and an inner fabric coat, lining the outer coat and separable therefrom; the outer surface of the inner coat being in appearance which is in contrast to the material of the outer coat and a patch pocket on the outer surface of the outer coat, comprising two substantially identical sheets, each having a closed-ended slot across it nearer to its top edge; said sheets being set with said slots in register and each being of transparent plastic material, a first fabric piece inter-

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posed between said plastic sheets below said aligned slots and a second fabric piece interposed between said plastic sheets above said slots; said fabric pieces being within the perimetral confines of said plastic sheets; such plastic sheets being heat seamed together around their perimeters and around the perimeter of said slots and positioned against the outer surface of the outer coat and heat seamed thereto along all the seams of said plastic sheets which are below the upper edges of said slots and along the upper edges of said slots, whereby said joined slots serve as the mouth into the pocket formed and the portion of said plastic sheets which is above said mouth, being adapted to be bent downward to serve as a flap of such pocket; the exposed surfaces of said fabric pieces, having the appearance like that of the exterior of the inner coat.

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