March 19, 1940. H. A. SPEH 2,194,156

SHOULDER AND SLEEVE CONSTRUCTION FOR GARMENTS

Filed Jan. 6, 1937

FIG. 1.

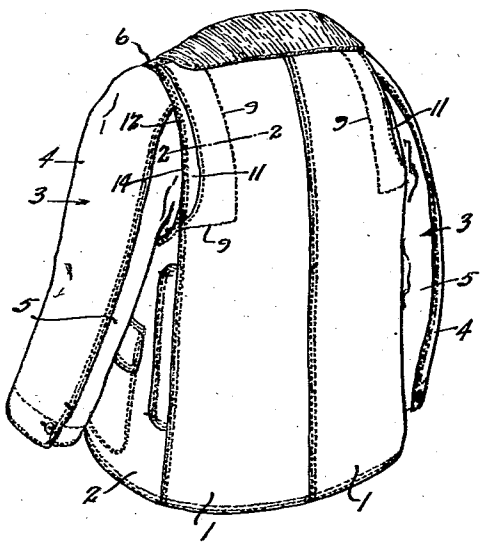


FIG. 2.

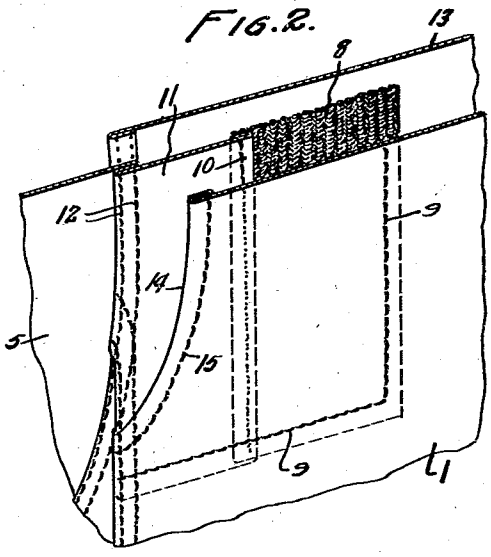


FIG. 3.

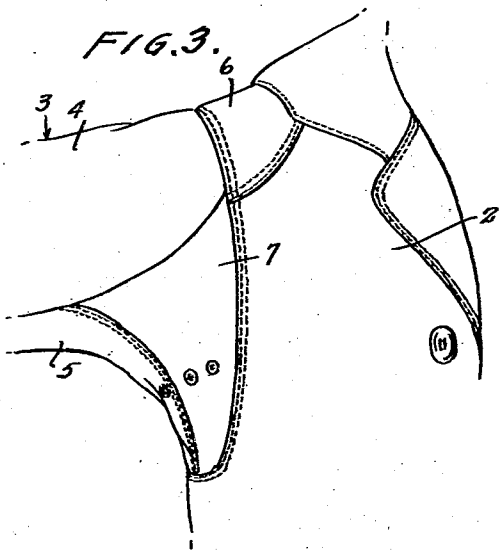
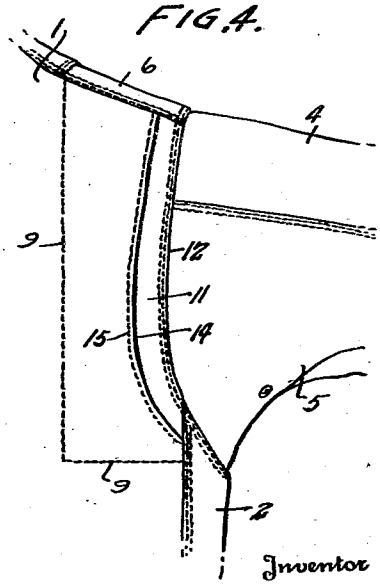


FIG. 4.



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SHOULDER AND SLEEVE CONSTRUCTION FOR GARMENTS

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2 Claims. (Cl. 2—93)

My invention relates to a coat construction. While the construction is particularly adapted to heavy duty coats, such as hunting coats, it may be used with other types of garments where great flexibility of the arms of the wearer is desirable.

In heavy duty coats, such as hunting coats, the stiffness of the material from which the coats are made often binds the arms of the wearer.

It is an object of my invention to provide a construction which will permit great flexibility in the use of the arms of the wearer of the coat, even when the coat is made of very stiff material.

It is a further object of the invention to provide a coat which is waterproof, and which is reinforced at the points of wear to prolong its useful life.

With these and other objects in view, which may be incident to my improvements, the invention consists in the parts and combinations to be hereinafter set forth and claimed, with the understanding that the several necessary elements comprising my invention may be varied in construction, proportions and arrangements, without departing from the spirit and scope of the appended claims.

In order to make my invention more clearly understood, I have shown in the accompanying drawing means for carrying the same into practical effect without limiting the improvements in their useful applications to the particular constructions which, for the purpose of explanation, have been made the subject of illustration.

In the drawing,

Figure 1 is a perspective view of the back of my coat;

Figure 2 is a perspective view taken along the line 2—2 of Figure 1;

Figure 3 is a detail front view showing the triangular hinge element under the arm;

Figure 4 is a detail back view showing the position of the elastic webbing to the constructions around the arm of the wearer.

Referring to the drawing, I have shown a coat which is of the hunting coat type. It is provided with back panels 1 and front panels 2. The coat is provided with sleeves 3 which comprise upper sleeve panels 4 and lower sleeve panels 5.

Attached to the upper sleeve panels 4 and to the front panels 2 is a shoulder pad 6 which is adapted to reinforce the coat at a point where considerable strain comes on the garment due to the wear of a gun which may be carried, and also due to the heaviness of the coat which may be increased by carrying killed game in the coat, which tends to weaken and tear the shoulder. The pad 6 gives ready reinforcement at a point of great strain.

In order to provide for free movement of the arm of the wearer, the sleeve, at its front, may be attached to a triangular hinge element 7. The triangular hinge element is attached to the upper sleeve panel 4 and to the lower sleeve panel 5. The triangular hinge element 7 is also attached to the front panel 2 of the coat. This triangular element permits great flexibility, which is highly desirable in coats of this type.

In order to further insure the flexibility of the sleeve and permit ready and free motion of the arm of the wearer, I have provided an elastic webbing 8 which is attached by stitching 9 to the inside of the back panel 1. Attached by stitching 10 to the webbing 8 is a fabric strip 11 which is attached by stitching 12 to both the upper and lower sleeve panels 4 and 5.

The coat is provided with a lining 13 which is not attached to the elastic webbing 8, nor to the fabric strip 11. This construction gives great flexibility for the elastic webbing 8 will give with the movements of the shoulder or arm of the wearer. The back panel 1 is cut out, as indicated at 14, and hemmed, as indicated at 15. This cut out arrangement provides for flexibility without wrinkling or binding of the back panel. The fabric strip 11 insures against water getting in direct contact with the elastic webbing 8 and tends to preserve the flexibility of the elastic webbing.

While I have shown and described the preferred embodiment of my invention, I wish it to be understood that I do not confine myself to the precise details of construction herein set forth by way of illustration, as it is apparent that many changes and variations may be made therein, by those skilled in the art, without departing from the spirit of the invention, or exceeding the scope of the appended claims.

I claim:

1. In a coat construction, a front coat panel, a back coat panel, an upper sleeve panel, a lower sleeve panel, a triangular hinge element inserted between the upper sleeve panel, the lower sleeve panel and the front coat panel, an elastic strip lying under the back panel, and an intermediate strip connecting one edge of the elastic strip to both the upper and lower sleeve panels, said elastic strip also having its opposite edge secured to the immediate side of the back panel and being capable of being flexed by movements

of the wearer, that part of the back panel overlying the elastic strip being free of connection with the sleeve, said overlying part being attached to said intermediate strip only at the top and bottom thereof, said overlying part being attached to the elastic strip only at its borders away from said intermediate strip.

2. In a coat construction, a sleeve, a back panel, an elastic strip lying under the back panel and extending exclusively in a vertical dimension between the shoulder portion of the back panel and a line above the armpit portion of the sleeve, said elastic strip also extending exclusively in a horizontal dimension between the sleeve and a line nearer the sleeve than the midportion of the back panel, said elastic strip being united at one edge to the inner side of the back panel and united at its opposite edge to the sleeve, that part of the back panel overlying the elastic strip being free of connection with the sleeve, said overlying part being attached only to the shoulder portion and said line above the armpit portion.

HERMAN A. SPEH.