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1,483,635

F. HORAK

SPORTSMAN'S VEST

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Fig. 1.

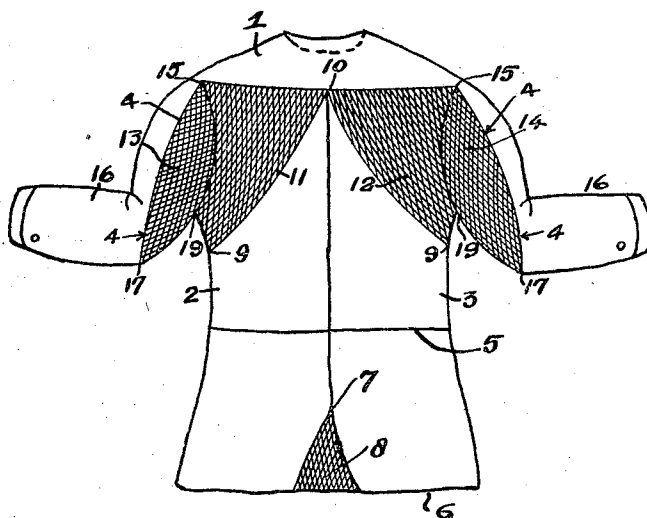


Fig. 2.

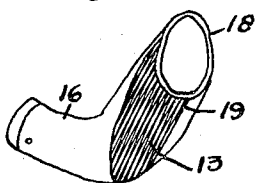
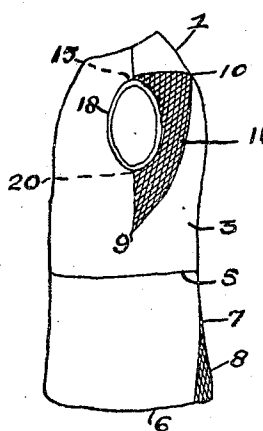


Fig. 3.



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UNITED STATES PATENT OFFICE.

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SPORTSMAN'S VEST.

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To all whom it may concern:

Be it known that I, FRANK HORAK, a citizen of the United States, residing at Valparaiso, in the county of Porter and State of Indiana, have invented certain new and useful Improvements in Sportsmen's Vests, of which the following is a specification.

My invention relates to improvements in sportsmen's vests and it more especially comprises the features hereinafter pointed out in the annexed claims.

The purpose of my invention is to provide a self-adjusting garment of vest or other form for sport or business service which has elastic insertions reaching from under the arms to the middle of the back where it terminates at a point, being of maximum area from under the arm center backward; that admits of full freedom of action for both men and women when engaged in business, yachting, camping, hunting, golfing, playing tennis, hiking, etc.; that does not subject the rest of the garment to undue strains; and that also provides an elastic insertion of triangular shape in the middle of the back below the waist line.

With these and other ends in view, I illustrate in the accompanying drawing such an instance of adaptation as will disclose the broad underlying features without limiting myself to the specific details shown thereon or described herein.

Figure 1 is a rear elevation of a garment.

Fig. 2 is an end elevation of a detached sleeve.

Fig. 3 is a side elevation of Fig. 1 with the sleeve removed.

Garments, for either ladies or gentlemen, may be made so as to include my invention, even though one for gentleman's use is shown in the drawing. The exemplification comprises a shoulder piece 1 and side pieces 2 and 3 extending to the front and back of the garment of any desired fabric. Below the waist line 5, in the center of the back, a triangular piece of knitting 8 is inserted between the sides 2 and 3. This ends on the back center at 7 and it extends to the bottom line of the garment at 6. It affords extra elasticity at this point which insures greater bodily ease while at work or play.

In order that the strains across the shoulders and especially those under the

arms, as when playing tennis or golf, are taken off the usual closely woven fabric of the garment, an elastic area 11 and 12 is sewn into the garment. These areas extend from 10 to 15, along the boundary 4 of the arm 16 to the elbow at 17 and from 10 to 9 to form the areas 13 and 14. From 17 the border line follows under the arm to the junction of the body at 19 and 20, approximately below the point 15 on the upper side of the arm hole 18.

The elastic areas 8, 11, 12, and 13, 14, may be made of any desired fabric or material, though they are usually made of knitted yarns. Garments made in this manner will most effectively serve the wearer and insure complete freedom from body fatigue under exercise through the elimination of tightly fitting garments which prevent the usual muscular restraint found in garments as ordinarily made.

It has heretofore been proposed to make garments with multi-pleats or folds, but such expedients are entirely foreign to my invention because the means employed do not permit of universal adaptability in the sense that my knitted areas provide. It is of course understood that any porous fabric or material which admits of a change in outline in all directions whether specifically knitted or produced in any other manner.

What I claim is:

1. In self adjusting garments a body part, sleeve extremities and a shoulder piece formed of a relatively inelastic fabric, an elastic fabric under the arm and the rear side thereof from the elbow to the shoulder, and diagonal areas of similar fabric joined to the body below the shoulder line and extending from the center of the back diagonally downward terminating in a point under each arm, and also joined to the sleeve portions.

2. In self-adjusting garments, a body and sleeve portions of suitable material, an elastic fabric under each arm and on the rear side thereof extending from the shoulder to the elbow, a straight shoulder portion of the body, a back portion terminating in a point at the center of the back and the shoulder line and vertically under the arms, and an elastic fabric in the areas bounded by the shoulder line, the rear of the arm hole, ver-

tically below the arm center and from this point to a junction of the shoulder line and the back center.

3. In sportsmen's vests, a coat like body of
5 relatively inelastic material, sleeves therefor of the same material, an elastic fabric for each side of the garment approximately bounded as follows from under the sleeve downward thence diagonally upward to the
10 center of the back on the shoulder line, thence along the shoulder line to near the top of the sleeve opening where it joins a similar fabric on the rear and underside of the upper portion of the sleeves.

15 4. A sportsman's vest, comprising triangular pieces of elastic fabric extending from below the arm hole diagonally upward toward each other approximately meeting at

their points and a suitable relatively inelastic fabric joined thereto to complete the rest
20 of the garment.

5. In sportsmen's vests, a suitable body with diagonal openings therethrough directly under and to the rear of the centers of the arm holes so as to approximately meet each
25 other at the center of the upper portion of the back, an elastic material in such openings, sleeves formed of a suitable material having openings extending from the under arm center around the arm to near the upper
30 side and lengthwise from about the elbow to the shoulder, and an elastic material in such openings suitably joined to the elastic material of the body openings.

In testimony whereof I affix my signature.
FRANK HORAK.