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BUOYANT INSULATING AND PROTECTIVE OVERALLS

Filed Feb. 17, 1941

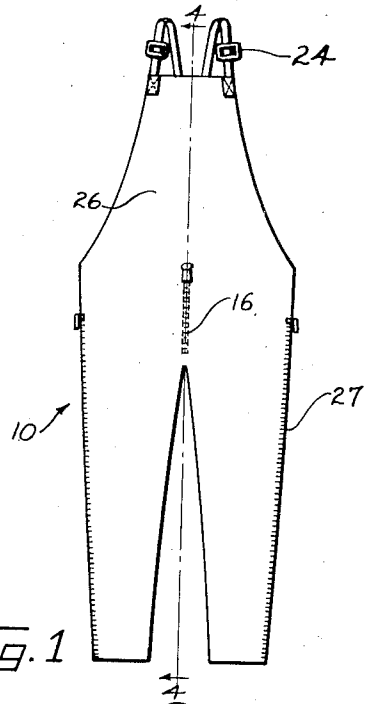


Fig. 1

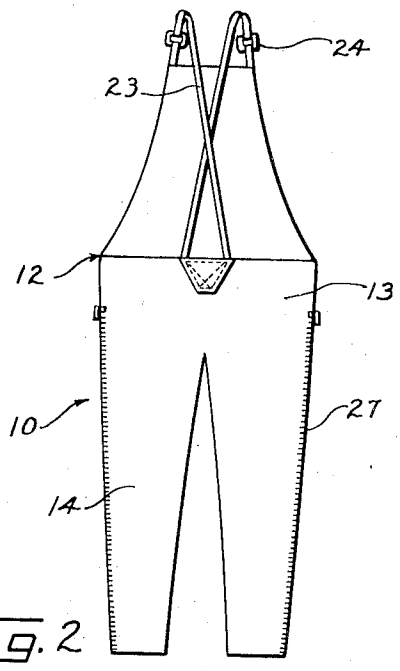


Fig. 2

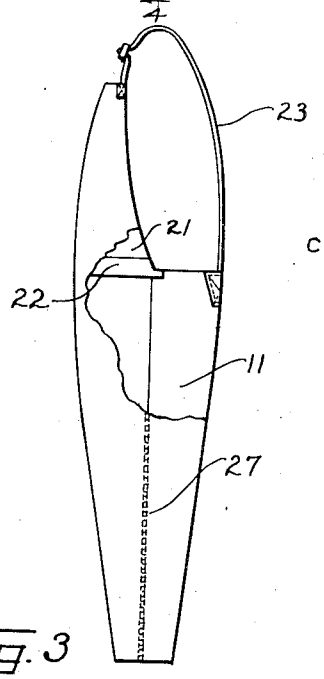


Fig. 3

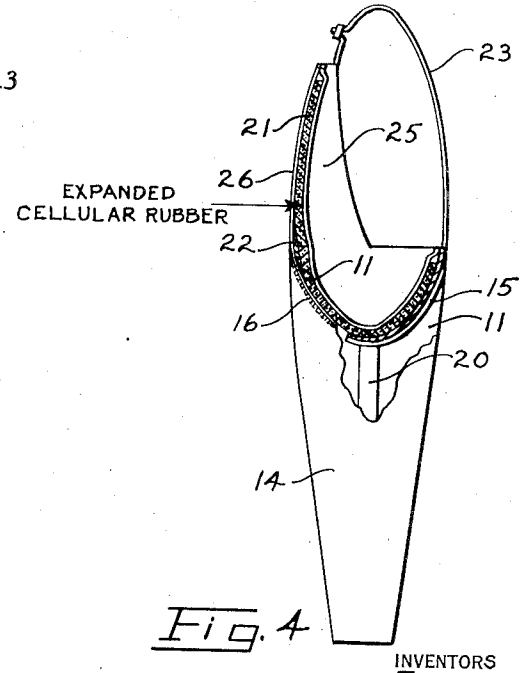


Fig. 4

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BUOYANT INSULATING AND PROTECTIVE OVERALLS

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Application February 17, 1941, Serial No. 379,371

3 Claims. (Cl. 9—20)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

This invention relates to buoyant insulating and protective overalls and has for an object to provide a form-fitting suit of overalls primarily designed for protection of the wearer against cold weather, wetness and wind, particularly on shipboard, and further provides a certain amount of buoyancy should the wearer fall or be swept overboard.

A still further object of this invention is to provide overalls which are light, soft and flexible, and will not hamper the activities of the wearer.

Still a further object of this invention is to provide a pair of overalls of soft, flexible and buoyant material which are form-fitting.

With the foregoing and other objects in view, the invention consists in the construction, combination and arrangement of parts hereinafter described and illustrated in the drawing, in which:

Figure 1 is a front elevational view of the overalls of this invention;

Figure 2 is a back elevational view of Figure 1;

Figure 3 is a side elevational view of the overalls partly broken away; and

Figure 4 is a sectional view on line 4—4 of Figure 1, partly broken away.

There is shown at 10 the overalls of this invention consisting principally of an interlining of light, soft and flexible material 11 which is also buoyant and windproof, such as expanded cellular rubber. This interlining 11 is divided in five sections in making up the present overalls, four of the sections extending from about the waistline 12 downwardly to provide the trunk portion 13 and leg portions 14. From the waistline 12 to the crotch portion, the two back sections are joined together by means of a vulcanized strip 15, which strip extends part way along the corresponding joining edges of the front sections as far as a separable fastener fly portion 16. Below the crotch, the front and back sections are each joined along their inner edges by vulcanized strips 20 to thereby form the leg portions 14. Above the waistline 12 the fifth section of expanded cellular rubber 21 is joined thereto by vulcanizing strip 22 forming the chest portion of the overalls.

Conventional overall straps 23 extend from the top of the rear portion over to the top of the chest portion 21 and are provided with the customary buckles 24. The inner face of the expanded rubber interlining 11 is covered with an inner lining 25 of cloth, such as light gabardine or flannel, while the outer face is covered with a cloth 26, such as gabardine or drill cloth. In order to make the legs 14 snug or form-fitting, their outer edges are left open, commencing from about the hipline down to the ankles and, instead of being integrally fastened together, they are provided with separable fasteners 27 for fastening the same in closed position after the overalls are in position on the wearer.

Other modifications and changes in the proportions and arrangements of the parts may be made by those skilled in the art without departing from the nature of the invention, within the scope of what is hereinafter claimed.

The invention described herein may be manufactured and used by or for the Government of the United States of America for governmental purposes without the payment of any royalties thereon or therefor.

Having thus set forth and disclosed the nature of this invention, what is claimed is:

1. Buoyant insulating protective overalls comprising an interlining of soft, light, flexible, buoyant form-retaining material, an inner lining and an outer lining, said interlining comprising a plurality of sections integrally secured together, said sections consisting of expanded cellular rubber, said sections consisting of four vertically extending sections, two front sections thereof being joined to form the front of the waist portion, two rear sections thereof being joined to form the rear of the waist portion, each of said front sections being joined to its corresponding said rear section below the crotch thereby providing leg portions, and separable fasteners extending along the outer edges of said joined front and rear leg portions making the leg portions snugly form-fitting.

2. Buoyant insulating protective overalls comprising an interlining of soft, light, flexible, buoyant form-retaining material, an inner lining and an outer lining, said interlining comprising a plurality of sections integrally secured together, said sections consisting of expanded cellular rubber, said sections consisting of four vertically extending sections, two front sections thereof being joined to form the front of the waist portion, two rear sections thereof being joined to form the rear of the waist portion, each of said front sections being joined to its corresponding said rear section below the crotch thereby providing leg portions, separable fasteners extending along the outer edges of said joined front and rear leg portions making the leg portions snugly form-fitting, and a fifth section secured across the top of the joined front portions and providing a chest portion.

3. Buoyant insulating protective overalls comprising an interlining of soft, light, flexible, buoyant form-retaining material, an inner lining and an outer lining, said interlining comprising a plurality of sections integrally secured together, said sections consisting of expanded cellular rubber, said sections consisting of four vertically extending sections, two front sections thereof being joined to form the front of the waist portion, two rear sections thereof being joined to form the rear of the waist portion, each of said front sections being joined to its corresponding said rear section below the crotch thereby providing leg portions, and separable fasteners extending along the outer edges of said joined front and rear leg portions making the leg portions snugly form-fitting, said interlining sections being integrally secured together by means of a joining strip vulcanized across the joined edges.

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