

A. R. JACOBS.
 WEATHERPROOF OUTFITTING GARMENT.
 APPLICATION FILED FEB. 11, 1911.

Patented Jan. 16, 1912.

2 SHEETS—SHEET 1.

1,015,231.

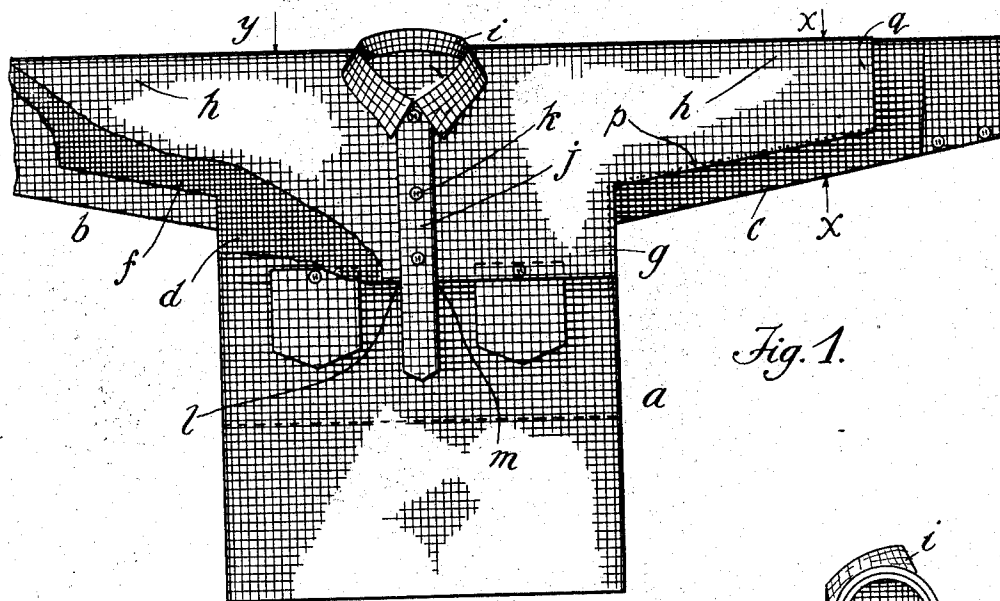


Fig. 1.

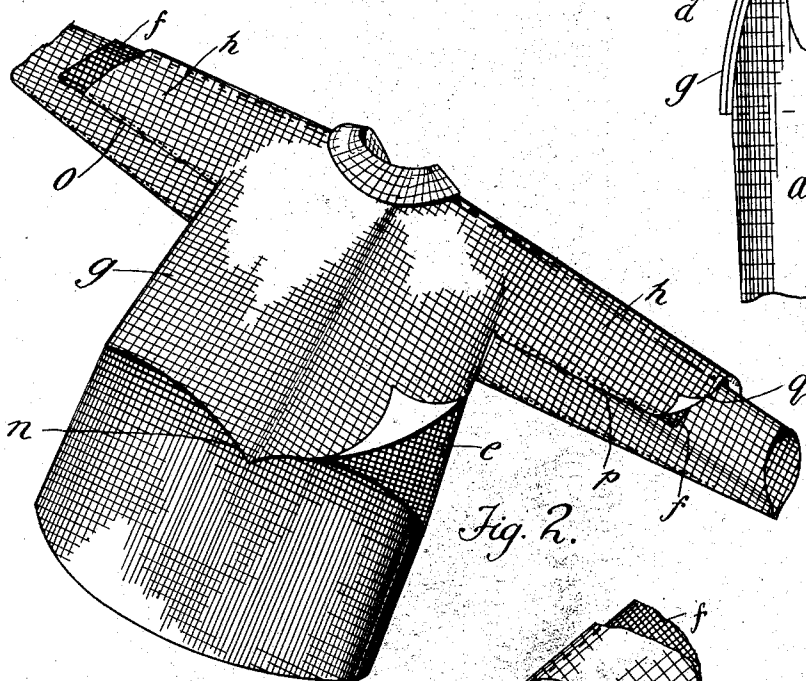


Fig. 2.

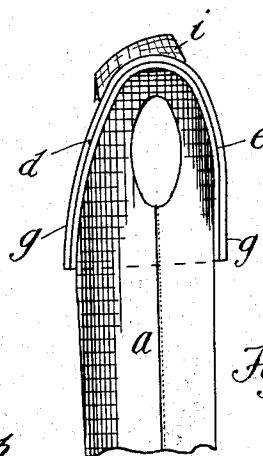


Fig. 4.

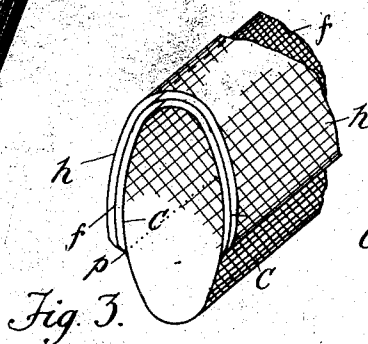


Fig. 3.

WITNESSES:

Cecil Long
 O. Martin.

INVENTOR

Adolph R. Jacobs.

BY

T. J. Heister

ATTORNEY

A. R. JACOBS.
WEATHERPROOF OUTING GARMENT.
APPLICATION FILED FEB. 11, 1911.

1,015,231.

Patented Jan. 16, 1912.

2 SHEETS—SHEET 2.

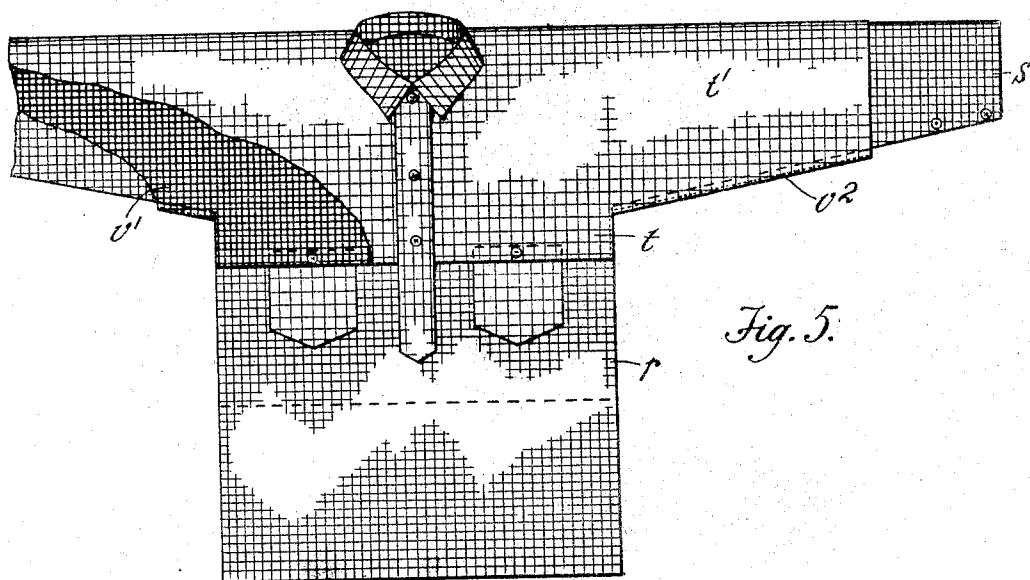


Fig. 5.

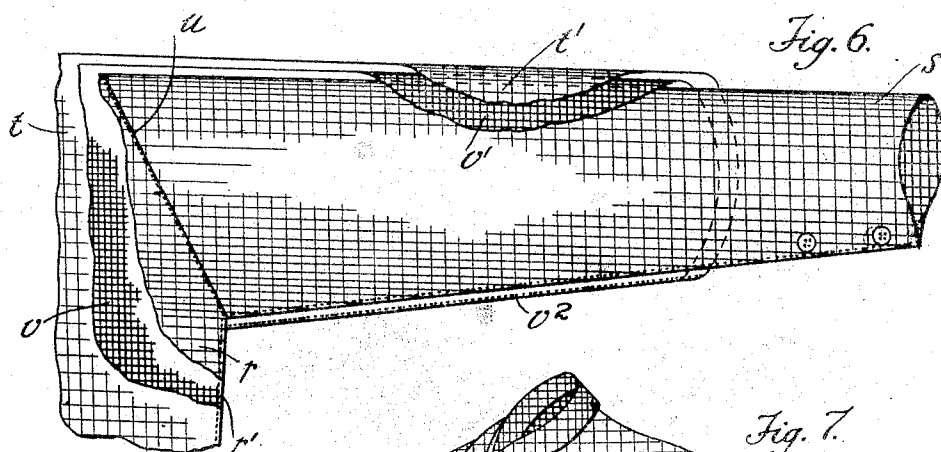


Fig. 6.

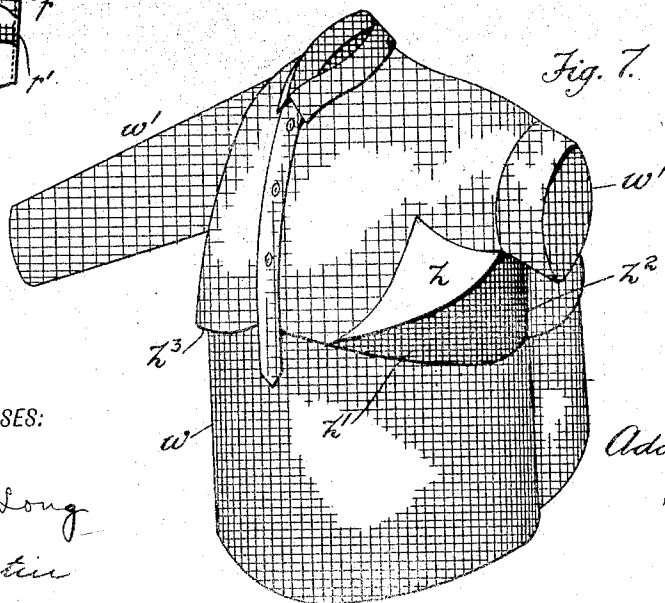


Fig. 7.

WITNESSES:

Cecil Long
O'DMartin

INVENTOR

Adolph R. Jacobs.

BY *L. J. Reiser*
ATTORNEY

UNITED STATES PATENT OFFICE.

ADOLPH RALPH JACOBS, OF PORTLAND, OREGON.

WEATHERPROOF OUTING-GARMENT.

1,015,231.

Specification of Letters Patent.

Patented Jan. 16, 1912.

Application filed February 11, 1911. Serial No. 608,147.

To all whom it may concern:

Be it known that I, ADOLPH RALPH JACOBS, a citizen of the United States, and a resident of Portland, county of Multnomah, State of Oregon, have invented a new and useful Improvement in Weatherproof Outing-Garments, of which the following is a specification.

This invention has for its object to obtain an outing shirt or garment of the type used by loggers on the Pacific Coast; to make such garment water-proof at those portions which are most exposed to the weather, so that the garment will afford a substantial protection against cold, strong winds and heavy rains, and at the same time to provide for ample ventilation, so as to prevent the wearer of the garment being thereby overheated.

My invention further has for its object to avoid the use of seams at the juncture of the arms with the shoulders of the garment, since the shoulders are exposed to the full force of the weather, and rain might be driven through the seams, for such seams receive, of course, considerable strain while the user of the garment is working. However, for cheaper garments the seamless feature of the shoulders may be omitted, since in order to cut the pieces of the material required for making my garment with seamless shoulders, there has got to be incurred a waste of material.

In the accompanying drawings, constituting a part hereof: Figure 1 shows a front view of my improved shirt of the type which is made without seams at the shoulders; parts being shown as if torn away so as to illustrate the arrangement of the different layers of material; Fig. 2 is a partial perspective back view of my garment of the type shown in the preceding view, parts being omitted for the purpose of showing the arrangement of the layers of material at the back; Fig. 3 is a diagrammatic, larger-scale, cross-section of the arms, approximately on a line pointed by the arrows *x* of Fig. 1; Fig. 4 is a section of my shirt taken across the shoulder, approximately on a line pointed by the arrow *y* of Fig. 1; Fig. 5 shows my invention carried out in a little different manner, in this, that the outer covering for the arms, and the intermediate water-proof layer extend entirely around the sleeve in the form of an outer sleeve, as will be more fully explained in the body of

this specification; Fig. 6 is a sectional detail of the construction of the arms as embodied in the type of my garment shown in Fig. 5; and Fig. 7 is still another type of making my garment; in this instance the outer covering and intermediate water-proof layer cover only a portion of the body of the garment, and is omitted from the arms, which are understood to be sewed to the arm-holes in the body of the garment, as usual.

Referring in the first instance to the type of garment illustrated in Figs. 1 to 4 inclusive: The body, *a*, of the garment is provided with arms, *b*, *c*, all made as usual. Overlapping the back and front is a layer of water-proof material, *d*, *e*, cut in one piece and having laterally projecting integral pieces, *f*, *f*, overlapping the upper portions of the arms for part of their length. This water-proof material may consist of a sheet of rubber, out of which the overlapping portions, *d*, *e*, *f*, *f*, are cut in one piece. Covering the exterior of the water-proof material, *d*, *e*, *f*, *f*, is an outer layer of cloth, preferably of the same fabric as that of which the garment is made. Such outer layer covers the back and front, as at *g*, *g*, and has integral, lateral portions, *h*, *h*, which cover the water-proof laps, *f*, *f*, of the arms. The collar, *i*, is made as usual, and all layers of the different materials are sewed together at the collar. The garment is also made open at the front, as at *j*, where it is provided with buttons *k*, as usual. If preferred, the garment can be made in the form of a coat, that is, open at the front all the way down. The intermediate layer of water-proof material and the outer layer *h* is fastened to the body, *a*, at *l*, *m*, at the front, and at *n*, the center of the back, and at the sides. Otherwise the water-proof intermediate layers, *d*, *e*, as well as the outer layers, *g*, *g*, are loose, thus providing for ample ventilation at the bottom. The intermediate water-proof material, *f*, *f*, and the outer layers, *h*, *h*, of the arms are secured by seams, *o*, *p*, but are not fastened at the ends, *q*, in any wise, thus leaving ventilation through the openings so provided.

It is to be noted that the intermediate layer of water-proof material, *d*, *e*, as well as the outer layers of cloth, *g*, *g*, are made without seams at the shoulders, for the express purpose of preventing leakage at such seams. Seams at the shoulders are neces-

sarily subjected to great stress, while working, and the seams themselves are vulnerable, especially after the shirt has been worn for some time, and the material becomes thin by stretching, and, furthermore, the rain, running down the shoulders, runs along the ridge formed by the seams, and hence heavy rains are very apt to beat through in a short while. On the other hand, if there is no seam at the shoulders the rain will roll off the shoulders as fast as it falls thereon.

Neither the outer covering, *h*, of the sleeves nor the intermediate layer, *f*, extends below the seams *p*, for the express purpose of having in the sleeves, below such seams, only a single layer of material, rendering the sleeves less stiff, and affording greater freedom of motion to the arms of the wearer of my garment.

Referring now to the construction of my garment, as illustrated in Figs. 5 and 6: The body, *r*, of the underlying main portion of my garment has sewed to it, by seams *u*, at the armholes, sleeves *s*. An outer covering, *t*, made preferably of the same fabric as that of which the garment itself is made, overlaps the front and back of the body of the garment, and also has portions *t'* which cover the sleeves *s* in part. Such outer layer, as will be observed, is of one piece, and therefore without any seam, as *u*. Between the main portion of the garment and said outer covering is interposed a layer of water-proof fabric, which is also cut in one piece in such shape as to provide a body portion, *v*, overlapping the body *r* of the main portion, and sleeve portions *v'* overlapping the sleeves *s* of the body *r*. The sleeves *t'* of the outer covering and the sleeves *v'* of the intermediate layer are sewed together at the bottom by a seam *v*², but otherwise both said sleeve portions *t'* and *v'* are entirely loose from the sleeves *s*, and also from each other, so as to provide for ample ventilation, and furthermore so as not to impede the free movement of the arms. The fabric of the outer covering and intermediate water-proof layer may be fastened by a seam *r'* at the sides of the body *r* of the main portion; or said outer covering and intermediate layer may be sewed together, by vertical seams at the sides, by themselves, but not to the sides of the body *r*, thus leaving the bottom of the intermediate water-proof layer and of the outer covering loose from the body *r* all around.

In the type of my invention illustrated in Fig. 7, the body, *w*, of the underlying main

portion is made with ordinary sleeves *w'*, which are not protected by any outer covering of any kind, but the upper portion of the body of the garment is protected by an outer covering *z* and an intermediate water-proof layer *z'*. This protection should extend at least over the back of the body *w* and preferably should be extended over both the front and the back of the body *w*. The outer coverings may be fastened to the body of the garment at the sides *z*², but are otherwise loose all around at the bottom *z*³, for the purpose of free ventilation.

If thought that the intermediate water-proof layer renders my garment too warm for the wearer, such intermediate layer may be omitted.

I claim:

A garment comprising a main body portion open at the front and having a collar and sleeves, an outer protecting covering formed of a seamless piece of material and slit at its front and sides and including oppositely extended lateral portions, said outer protecting covering fitting over the main body portion and extending below the sleeves and the slit sides brought together, the bottom of said outer protecting covering being detached, the oppositely extended lateral portions fitting over the upper portions of the sleeves, the bottom edges of such lateral portions terminating at the sides of the sleeves above the bottom of the latter, the outer ends of said lateral portions terminating some distance from the ends of the sleeves and being detached therefrom, a lining of waterproof material formed of one piece, and substantially of the same shape as the outer protecting covering, said lining being interposed between the outer protecting covering and the main portion of the garment, stitches securing the meeting edges of the body portion of the outer protecting covering and the corresponding edges of the lining to the main body portion of the garment below the sleeves, stitches securing the edges of the outer protecting covering and the corresponding edges of the lining to the edges of the opening in the front of the main body portion and around the collar of the garment, and stitches securing the bottom edges of said lateral portions and a waterproof lining along the sides of the sleeves of the garments.

ADOLPH RALPH JACOBS.

Witnesses:

CECIL LONG,
O. O. MARTIN.