

(No Model.)

B. ROBINSON.
WATER PROOF GARMENT.

No. 355,213.

Patented Dec. 28, 1886.

Fig. 1.

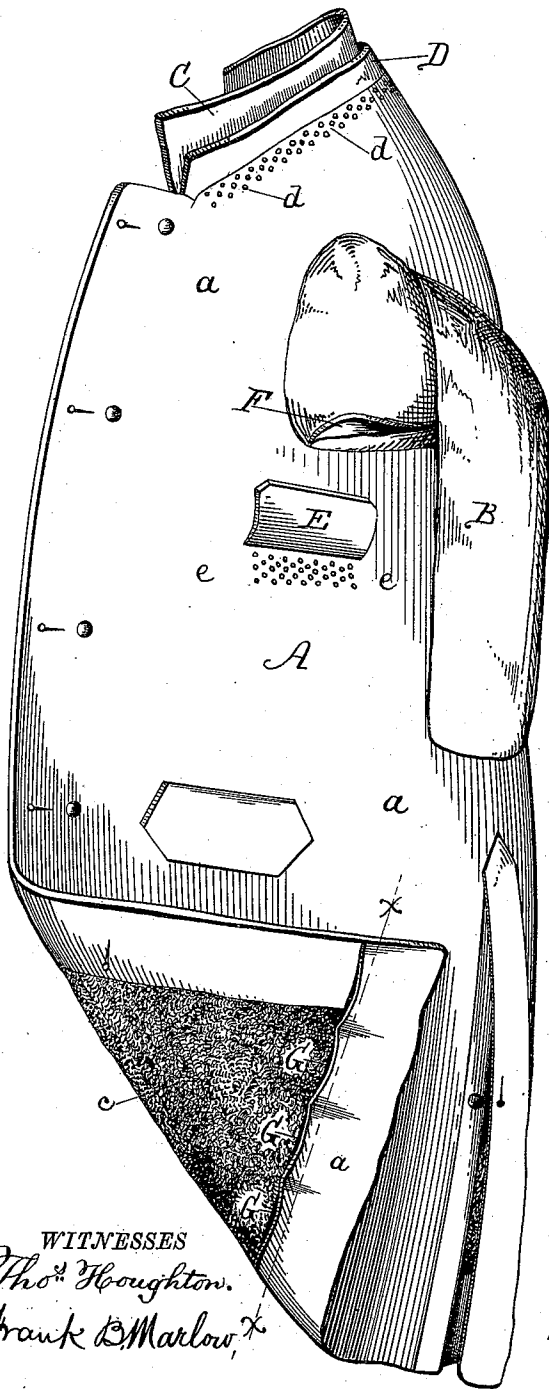
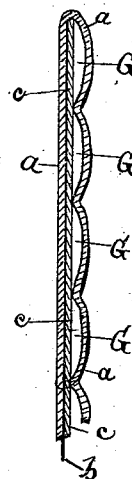


Fig. 2.



WITNESSES
Thos. Houghton.
Frank B. Marlow.

INVENTOR
Bushrod Robinson
By Chas. F. Benjamin,
Attorney

UNITED STATES PATENT OFFICE.

BUSHROD ROBINSON, OF WASHINGTON, DISTRICT OF COLUMBIA.

WATER-PROOF GARMENT.

SPECIFICATION forming part of Letters Patent No. 355,213, dated December 28, 1886.

Application filed October 8, 1886. Serial No. 215,679. (No model.)

To all whom it may concern:

Be it known that I, BUSHROD ROBINSON, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Water-Proof Garments; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to that class of water-proof garments wherein the outer cloth and its lining, both originally porous, are stuck together and waterproofed by the application to their inner surfaces of the waterproofing material in a liquid or molten state, afterward to become dry or hardened, according to the manner of the art.

The object of the invention is to adapt a garment of the kind described to use as a winter garment by interposing a sufficiently thick lining of any suitable warm material between the body of the wearer and the waterproofed lining. This additional lining I purpose to attach along its edges and wheresoever else necessary to the water-proof lining in any suitable manner, but preferably by the same means used to fasten the outer cloth and its lining together. By leaving as much as possible of the winter lining free from the inner lining dryness and ventilation will be aided. I purpose, also, to make apertures or small perforations, or both, chiefly in such parts of the garment as fit closely to the body of the wearer, to assist in ventilating or drying the garment at such places of contact, suitable familiar means being used to conceal such openings from view when the garment is worn, and to prevent the admission of external moisture through such openings.

I am aware that it is common to ventilate garments by perforations or apertures concealed and protected, as and for the purpose just stated; hence I do not claim or describe such a garment broadly, but limit the scope of my invention to the production of a new garment so waterproofed, ventilated, weighted, and warmed as to serve against stormy or cold weather, or against wet and frost together.

For convenience I shall now describe my invention as made applicable to a man's overcoat.

In the accompanying drawings, wherein like letters represent like parts, Figure 1 is a perspective view, showing ventilating devices at the collar, the armpit, and the breast of the coat; also along the lower edge of the winter lining; and Fig. 2 is a section view showing the combination of the three thicknesses of cloth used in the fabrication of the coat.

A is the body of the coat. B is a sleeve thereof. C is the collar. D is an under collar protecting the ventilating orifices *dd* when the outer collar is raised. E is a flap protecting the ventilators *ee* at the breast. F is an overlapped slit at the armpit, to afford ventilation at that part of the coat. G G are openings along the lower edge of the winter lining, to form ventilating-shafts in connection with the orifices *dd*, *ee*, and F.

The exterior surface of cloth is designated as *a*, the thin adherent waterproofed lining as *b*, and the porous winter lining as *c*.

In lieu of the under collar described, I may use a cape for the sake of appearance, or to afford increased protection to the shoulders. I may substitute perforations for the single slit at the armpit. I may choose to make the winter lining adherent to the water-proof lining throughout, carrying my ventilators through the winter lining to the body of the wearer. I may use any of the familiar means for keeping the ventilators open and free, though practically such will be effected by the movements of the wearer and the ordinary warping and stretching of material. None of these modifications affect the characteristic of the invention, which is the development of an ordinary water-proof garment into a combined storm and winter coat by the addition of a suitable lining and a system of ventilation to counter-vail the presence of an impervious lining between the body of the wearer and the surrounding air.

Having thus described my invention, I claim as follows:

1. As a new article of manufacture, a garment containing and consisting in the following elements or parts: a body, sleeves, and collar made of any suitable and ordinary fabric, a thin lining made of any suitable and ordi-

nary waterproofed fabric, and also everywhere
adherent throughout its inner surface to the
inner surfaces of said body, sleeves, and col-
lar, a heavy lining, of any suitable and ordi-
5 nary fabric, attached in any proper and fami-
liar mode to said water-proof lining along the
edges of said heavy lining, but leaving open-
ings along the bottom edge thereof, a second
or under collar of suitable and ordinary water-
10 proofed material beneath the usual collar of
the garment, openings through the outer fabric
and its adherent water-proof lining beneath
such under collar, openings through said fab-
ric and lining at the breast of the garment,
15 covered by an ordinary flap of suitable water-
proof material, and an opening through said
fabric and lining at each armpit of the gar-
ment, all in the manner hereinbefore described.

2. As a new article of manufacture, a gar-
20 ment containing and consisting in the follow-
ing elements or parts: a body, sleeves, and col-
lar made of any suitable and ordinary fabric,
a thin lining made of any suitable and ordi-
nary waterproofed fabric, everywhere adher-
25 ent throughout its inner surface to the inner
surfaces of said body, sleeves, and collar, a
heavy lining, of any suitable and ordinary fab-
ric, attached to said water-proof lining along
the edges of said heavy lining, but leaving

openings along the bottom edge thereof, open- 30
ings through the outer fabric and water-
proofed lining at the breast of the garment,
covered by an ordinary flap of suitable water-
proof material, and an opening through said
fabric and lining at each armpit of the gar- 35
ment, all in the manner hereinbefore described.

3. As a new article of manufacture, a gar-
ment containing and consisting in the follow-
ing elements or parts: body, sleeves, and col-
lar made of any suitable and ordinary fabric, 40
a thin lining, made of any suitable water-
proofed fabric, everywhere adherent through-
out its inner surfaces to said body, sleeves, and
collar, a heavy lining, of any suitable and ordi-
nary fabric, attached to said waterproofed 45
lining along the edges of said heavy lining,
but having openings along the bottom edge
thereof, and an opening through the outer fab-
ric and waterproofed lining at each armpit of
the garment, all in the manner hereinbefore 50
described.

In testimony whereof I affix my signature in
presence of two witnesses.

BUSHROD ROBINSON.

Witnesses:

HENRY C. STEWART, Jr.,
EUGENE F. ROBINSON.