

April 1, 1924.

1,488,536

W. L. FRY

PROTECTIVE GARMENT

Filed April 4, 1919

Fig. 1

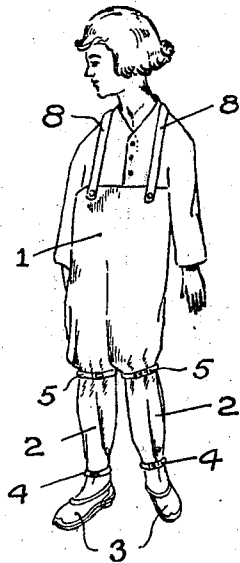


Fig. 2

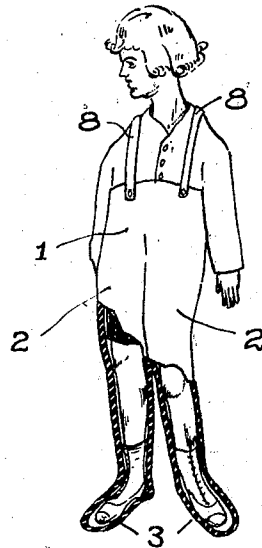


Fig. 5

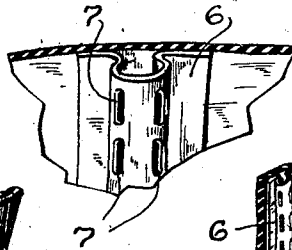


Fig. 3

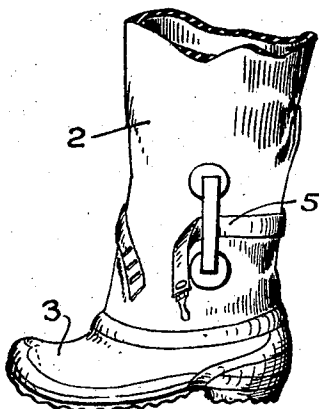
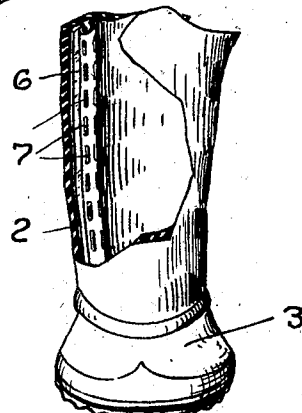


Fig. 4



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UNITED STATES PATENT OFFICE.

WALTER L. FRY, OF NEW ROCHELLE, NEW YORK.

PROTECTIVE GARMENT.

Application filed April 4, 1919. Serial No. 287,398.

To all whom it may concern:

Be it known that I, WALTER L. FRY, a citizen of the United States of America, and a resident of New Rochelle, county of Westchester, State of New York, have invented an Improvement in Protective Garments, of which the following is a specification.

My invention relates to protective garments, particularly those which are made of water-proof material, the object thereof being to provide protective garments which shall be simple and economical to manufacture, and which shall provide complete protection for the feet and other body portions of the wearer, while at the same time being comfortable in use and easy to put on and take off.

By way of example, I have shown a preferred embodiment of my invention in the accompanying drawings, wherein—

Figure 1 is a perspective view of the garment on the wearer;

Figure 2 is a similar view, partly in longitudinal section;

Figures 3, 4 and 5 are detail views of various portions of the foregoing embodiment.

The said embodiment comprises a waist portion 1, a plurality of bifurcated leg portions 2 united to said waist portion, and a plurality of shoe portions 3 united to the corresponding leg portions. All of the garment, except the shoe portions, is preferably made of a comparatively light, flexible, water-proof material, such as rubberized cloth.

The shoe portions are made of a comparatively heavy, water-proof material. Preferably each shoe extends only up to the ankle of the wearer and the cross-sectional area adjacent the junction of each leg portion and the corresponding shoe portion is of such size as to freely admit the shoe of the wearer.

The application of the garment is further facilitated by reason of the flexible character of the material of which the leg portions to the shoes are preferably made. This arrangement renders the portions of the garment around the ankles and above the shoe portions pliable and readily manipulable. The various seams of the garment, as between the leg portions and the shoe portions, and at the junction of the leg por-

tions, are made water-tight, so that the garment is thoroughly water-proof and will keep the covered portions of the wearer clean, warm and dry.

In order that the garment shall be serviceable and shall present a neat body-fitting appearance and be more comfortable when worn, I provide a plurality of floating ankle straps passing under the eyelet straps 5 adjacent the ankle and above but adjacent the corresponding shoe portions 3. The ankle straps serve to gather in the leg portions adjacent the ankles of the wearer. By means of this arrangement also the weight of the garment is more equally distributed over the body of the wearer and the shoes are more properly positioned and more comfortably carried and worn, even if apparently comparatively large.

I also provide a plurality of knee straps 5, which are associated with the leg portions of the garment below and adjacent the knees of the wearer. The knee straps are preferably similar in construction and arrangement to the ankle straps and serve to gather in the leg portions adjacent the knees of the wearer. This arrangement serves also to prevent binding at the knee of the garment when bending, thereby rendering the garment more convenient, useful and comfortable.

I prefer to provide the garment, as within the interior and along the sides of the same, with a plurality of ventilating strips 6. The ventilating strips are preferably made of U-shaped strips of material, the arms of the U being cemented or otherwise attached to the garment along the inside of the same adjacent the sides, while the bend of the U is preferably perforated, as shown at 7, to provide means for airing or ventilating the garment while in use. The movements of the wearer of the garment successively compress and expand the ventilating strips, which by sort of a "pumping" action ventilate the interior of the garment.

If desired, shoulder straps 8, suitably attached to the waist portion may be employed to position the garment on the wearer.

The manner of using and applying the illustrative embodiment of my invention set forth above will be clear from the foregoing description.

It is of course, to be understood that my

invention is not limited to the specific embodiment thereof here shown and described for purposes of illustration only.

What I claim is:

- 5 A unitary protective garment comprising a waist portion, leg portions of light, flexible water-proof material united to said waist portion, shoe portions of heavy water-proof material united to said leg portions below
10 the ankle of a wearer, ventilating means secured within said garment and extending to said shoe portions, an ankle strap as-

sociated with each of said leg portions adjacent but above the ankle of a wearer for gathering in the leg portions adjacent the ankles of the wearer and a knee strap associated with each of said leg portions adjacent but below the knee of a wearer for gathering in the leg portions adjacent the knees. 15 20

In testimony whereof, I have signed my name to this specification this 3rd day of April, 1919.

WALTER L. FRY.