June 24, 1924. 1,499,167

A. FRISCH

WATERPROOF BOOT

Filed Feb. 23, 1923

Fig. 1.

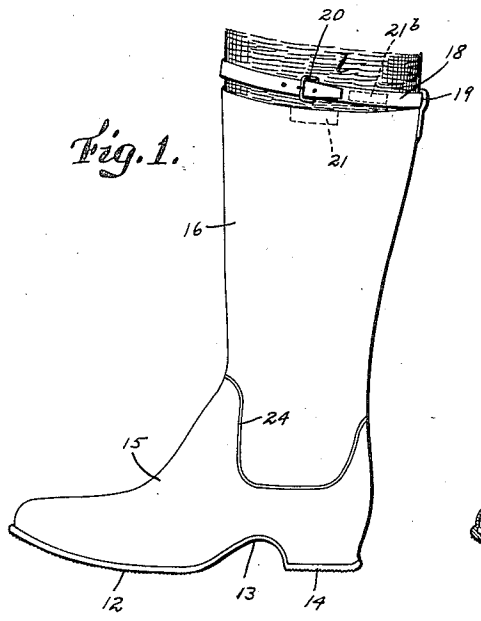


Fig. 2.

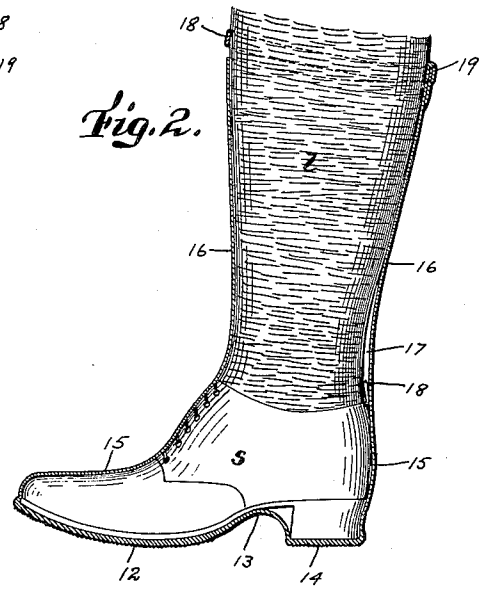


Fig. 3.

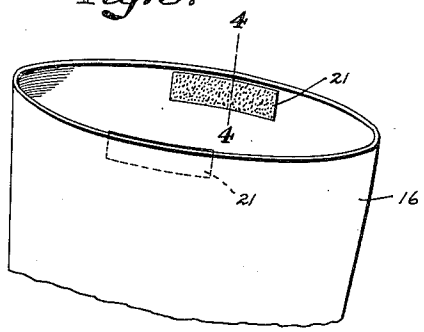
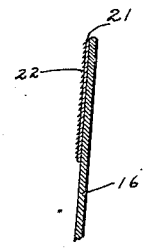


Fig. 4.



Inventor

Alexander Frisch

by Wright Brown Quinby & May

Attys.

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UNITED STATES PATENT OFFICE.

ALEXANDER FRISCH, OF WINTHROP, MASSACHUSETTS.

WATERPROOF BOOT.

Application filed February 23, 1923. Serial No. 620,628.

To all whom it may concern:

Be it known that I, ALEXANDER FRISCH, a citizen of the United States, residing at Winthrop, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Waterproof Boots, of which the following is a specification.

This invention is embodied in a form-fitting waterproof boot, adapted to be worn like an overshoe upon an ordinary shoe, and to conform closely both to the shoe and to the calf of the wearer's leg, so that the boot when in use, not only effectively prevents the entrance of water around the calf, but also presents a desirably neat and attractive appearance, without having the bulky and clumsy effect of an ordinary rubber boot.

Of the accompanying drawings forming a part of this specification,—

Figure 1 is a side view, showing my improved boot in use.

Figure 2 is a view similar to Figure 1, showing the boot in section.

Figure 3 is a perspective view of the upper part of the top or leg portion of the boot.

Figure 4 is a section on line 4—4 of Figure 3.

The same reference characters indicate the same parts in all the figures.

The wear-sustaining bottom or tread portion of my improved boot has the general characteristics as to material, form, and thickness, of the bottom portion of a rubber overshoe, and includes a fore part 12, a curved shank part 13, and a heel part 14, the whole being adapted to conform to the sole, the shank, and the heel of the wearer's shoe *s*.

Joined to the bottom portion by the usual methods practised in making rubber foot wear, is a vamp portion 15, having the general characteristics of the vamp portion of a rubber overshoe, in that it is limp and elastic, and adapted to be somewhat stretched by, and closely hug the upper of the shoe. Similarly joined to the vamp portion is a top or leg portion 16, which has substantially the same limpness and elasticity as the vamp portion, and is adapted at its upper part, to be somewhat stretched by, and to closely hug the calf of the wearer's leg. The lower part of the top portion is preferably proportioned to somewhat loosely surround the ankle and lower portion of the calf, as indicated by Figure 2, to enable the boot to be drawn on to the shoe and calf without unduly stretching the angle-surrounding part of the top, there being a space 17 between the lower part of the top portion and the wearer's leg. This space may receive a pulling-on loop 18, attached to the heel end of the vamp portion.

The upper part of the top portion, when stretched by the corresponding portion of the leg, tends to frictionally engage the stocking-leg *l*, and thus maintain the top portion smoothly extended.

I prefer to provide means for maintaining the top portion smoothly extended, without exerting compressive wrinkling or puckering pressure upon it, and by establishing a connection between it and the stocking. Such means may be embodied in a strap 18, connected at its rear side by a loop 19, with the upper end of the top portion, and adapted to contact directly with, and embrace the stocking above the top portion, the strap being provided with a buckle, or other fastener 20. Said strap partly detached from the top portion, as shown by Figure 1, constitutes a desirable finishing or ornamenting member. The strap may have an inner surface, adapted to engage the stocking and prevent the strap from slipping downward.

Another form of means for this purpose may be embodied in a strip 21 of shagreen or dog-fish skin, which has on one side numerous minute teeth or papillæ 22, all inclined in one direction. The strip 21 is attached to the inner surface of the top portion, with its teeth inclined downward. The teeth are caused, by the effort of the top portion to contract, to engage the surface fibers of the stocking, and prevent downward slipping of the top portion.

A slight outward pull on the strip 21, disengages the teeth from the stocking. More than one strip 21 may be employed, as shown by Figure 3. A similar strip or strips 21^a may be attached to the inner side of the strap 18, as shown by dotted lines in Figure 1.

It will be seen that either of the above-described means is adapted to maintain the top portion smoothly extended, without the puckering effect which would be caused by a strap bearing on the external surface of the leg portion.

At 24, (Figure 1), I show the seam which is the result of the operation of joining the vamp and top portions.

The top portion may be rolled downward, to decrease its operative length, preparatory to pulling on the boot by the strap 18.

I claim:

1. A form-fitting waterproof boot, having a wear-sustaining tread or bottom portion, shaped to accommodate the heel of the wearer's shoe, a vamp portion joined to the bottom portion, and a top portion joined to the vamp portion, said vamp and top portions being limp and elastic, the vamp portion being adapted to yieldingly hug the wearer's shoe, and the top portion being adapted, at its upper part, to yieldingly hug the wearer's calf, so that the form of the shoe and calf is imparted to the vamp and top portions, when the boot is in use.

2. A form-fitting waterproof boot, having a wear-sustaining tread or bottom portion, shaped to accommodate the heel of the wearer's shoe, a vamp portion joined to the bottom portion, a top portion joined to the vamp portion, said vamp and top portions being limp and elastic, the vamp portion being adapted to yieldingly hug the wearer's shoe, and the top portion being adapted, at its upper part, to yieldingly hug the wearer's calf, so that the form of the shoe and calf is imparted to the vamp and top portions, when the boot is in use, and a leg-encircling strap connected at its rear side with the upper end of the top portion, and adapted to directly engage a garment on the wearer's leg, and maintain the top portion smoothly extended thereon.

In testimony whereof I have affixed my signature.

ALEXANDER FRISCH.