

Oct. 20, 1942.

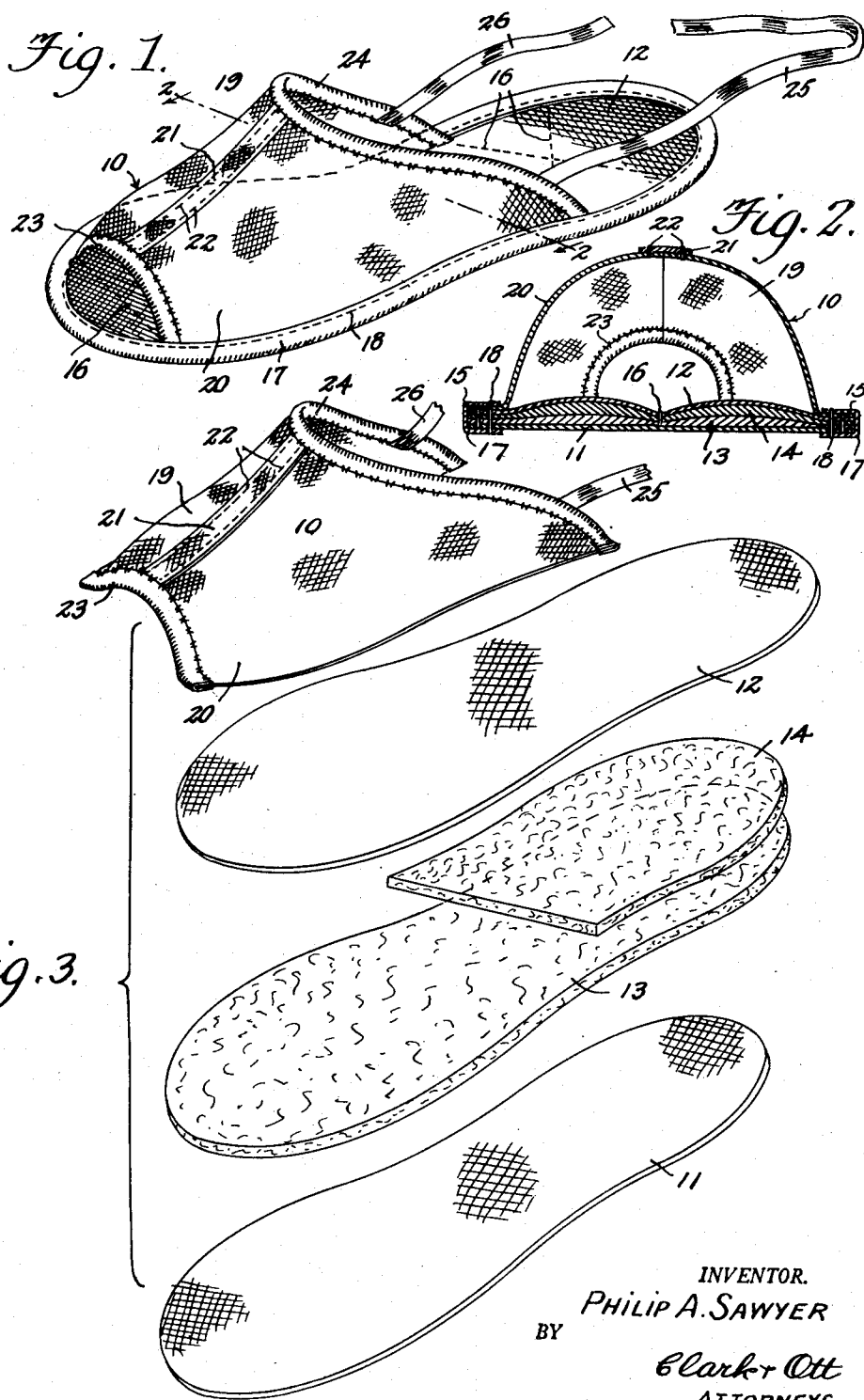
P. A. SAWYER

2,299,500

SANDAL

Filed Feb. 14, 1942

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Fig. 4.

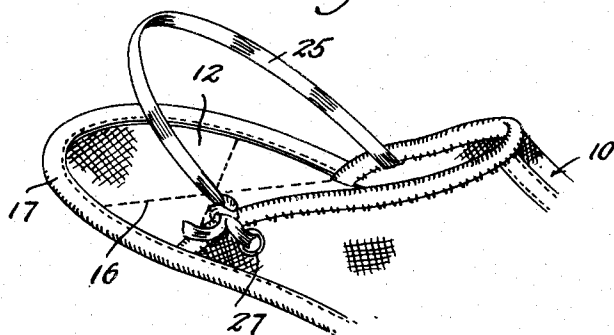


Fig. 5.

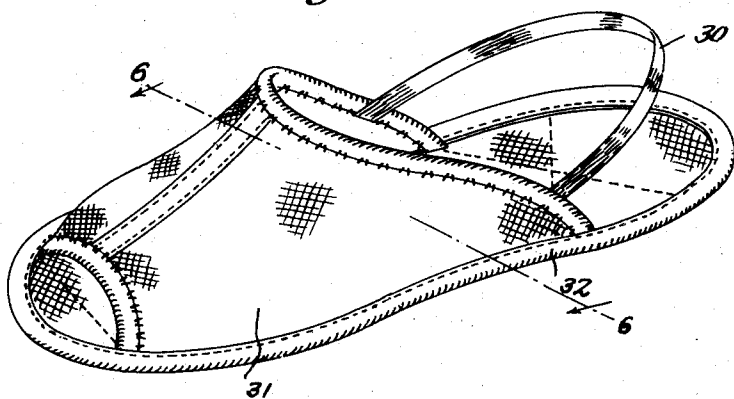
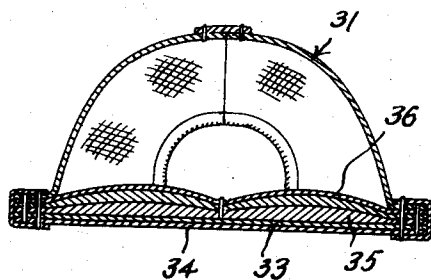


Fig. 6.



INVENTOR.
PHILIP A. SAWYER
BY
Clark & Ott
ATTORNEYS

UNITED STATES PATENT OFFICE

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SANDAL

Philip A. Sawyer, Hasbrouck Heights, N. J.

Application February 14, 1942, Serial No. 430,846

4 Claims. (Cl. 36-11.5)

This invention relates to footwear and has particular reference to a sandal primarily adapted for use by convalescents in wards, service hospitals and the like, and the same embodies an improved construction which conforms to the shape of the foot and provides a soft, flexible and comfortable protection of light weight, inexpensive material having wear resisting qualities.

The invention primarily comprehends a sandal composed entirely of fabric which can be laundered so as to cleanse and render the same antiseptic from time to time without impairing its softness, flexibility and wear resisting qualities.

The invention more particularly provides a sandal of the indicated character including a sole consisting of a water resistant outer ply and superposed layers of absorbent material stitched together to provide a quilted construction which is soft and flexible and is adapted to absorb moisture or perspiration given off by the foot of the wearer and which is secured at its marginal edges to the marginal edges of the outer ply leaving the same otherwise unsecured therewith to permit of relative movement thereof when walking, while protecting the quilting stitches from wear by contact with the floor.

The invention further includes an upper adapted to engage the forepart of the foot in the region of the instep and provided with tying means adapted to engage about the heel of the wearer for retaining the sandal in position on the foot.

With the foregoing and other objects in view, reference is now made to the following specification and accompanying drawings in which there is illustrated the preferred form thereof.

In the drawings:

Fig. 1 is a perspective view of a sandal constructed in accordance with the invention.

Fig. 2 is an enlarged sectional view taken approximately on line 2-2 of Fig. 1.

Fig. 3 is a collective perspective view illustrating the upper and the plies of the sole in separated juxtaposition.

Fig. 4 is a fragmentary perspective view illustrating a modification of the tying means.

Fig. 5 is a perspective view illustrating a modified form of the invention.

Fig. 6 is an enlarged sectional view taken approximately on line 6-6 of Fig. 5.

Referring to the drawings by characters of reference the sandal includes an upper 10 and a sole including an outer ply 11, an inner ply 12 and superposed intermediate plies 13 and 14 which plies are secured together by a line of stitching

15 extending around the said plies adjacent the edges thereof and which unites the upper 10 therewith. The said plies of the sole conform to the last of the foot and are constructed of launderable material to permit of the cleansing and sterilizing of the same from time to time. The intermediate plies 13 and 14 are constructed of soft, compressible, absorbent material such as woven or felted wool fabric, so that the same absorbs any moisture that may penetrate through the outer ply 11 or through the inner ply 12 or which may be given off as perspiration by the foot of the wearer.

The inner ply 12 is constructed of light weight canvas or duck and the same and the intermediate plies 13 and 14 are secured together as a unit by transverse lines of stitching 16 to provide a soft, flexible and resilient quilted construction which is secured to the outer ply 11 by the line of stitching 15 and otherwise unsecured therewith to permit of relative movement of the outer ply 11 and the said quilted construction when the same is flexed in walking, while protecting the quilting stitching 16 from wear by contact with the floor. The outer ply 11 is constructed of heavy canvas, duck or the like while the upper 10 is constructed of light weight canvas or duck which materials are water resistant and substantially impervious to moisture.

The intermediate ply 14 is preferably coextensive with the heel portion of the sole and terminates in the region of the arch of the foot so as to support the heel in elevated relation to the ball of the foot.

The upper 10 and the plies of the sole are reinforced by a binding strip 17 which covers the edges thereof and extends inwardly over the edge portions of the outer face of the outer ply 11 and over the edge portions of the upper faces of the upper 10 and the inner ply 12 and which is secured thereto by a line of stitching 18 extending around the sole and through the plies of the sole, the upper and the inwardly extending portions of the binding, the said stitching being inwardly of the line of stitching 15 so that the binding 17 covers and protects the same.

The upper 10 includes oppositely disposed mating sections 19 and 20 having their inner edge portions reinforced by a binding strip 21 which overlies the adjacent edges thereof and is secured thereto by lines of stitching 22. The upper conforms to and engages the forepart of the foot in the region of the instep with the forward edge thereof spaced from the toe of the sole and the rear edge declining rearwardly with the lower

opposite side portions terminating adjacent the front of the heel. The front and rear edge portions of the upper are reenforced by binding strips 23 and 24.

The sandal is provided with tie strings in the form of tapes 25 and 26 which are secured to the upper, one on each side thereof, at the rear, the string 25 being relatively longer than the string 26 whereby the longer string is adapted to engage about the heel of the wearer and to be formed into a knot or bow with the string 26 on the inner side of the foot so as to facilitate tying thereof. In place of the string 26, the upper may be provided with an eyelet 27, as illustrated in Fig. 4, through which the string 25 is reeved and tied with the adjacent portion of said string.

In the form of the invention illustrated in Figs. 5 and 6 of the drawings, the sandal is provided with an elastic strap or band 30 secured at its opposite ends to the opposite sides of the upper 31 at the rear thereof adjacent the sole 32 and which strap or band 30 is adapted to resiliently engage about the heel of the wearer to retain the sandal on the foot. The upper 31 in this form of the invention is similar to the construction of the form hereinbefore described, while the sole 32 as illustrated in cross section in Fig. 6 consists of a ply 33 of a regenerated cellulose material such as "Cellophane," Celluloid or other moisture proof material which is interposed between the outer ply 34 and the intermediate plies 35, it being understood that the outer ply 34, the intermediate plies 35 and the inner ply 36 are each constructed of a material similar to that hereinbefore described in the previous form of the invention and that the upper 31 and the sole including the said ply 33 of regenerated cellulose material can be laundered, cleansed and sterilized without destroying the quality or character of said materials. Furthermore, the moisture proof ply 33 prevents moisture or dampness penetrating the inner sole construction so that the intermediate plies 35 of woven or felted wool and the like provide a warm covering for the bottom of the foot of the wearer.

What is claimed is:

1. In a sandal, a sole composed of layers of fabric material including an outer water resistant ply, an inner ply and superposed intermediate plies of absorbent material, said intermediate and inner plies being stitched together to provide a quilted construction which is unsecured with reference to the outer ply in the region of the quilted portion, an upper composed of a woven fabric material conforming to and adapted to engage the forepart of the foot in the region of the instep, stitching securing said inner and intermediate plies together at the marginal edges thereof and securing the upper thereto, a binding surrounding the edges of the sole and overlying the outer face of the outer ply and the upper faces of the inner ply and the upper adjacent the edges thereof, stitching engaging through said overlying portions of said binding and through said upper and the plies of the sole securing the same together adjacent the edges thereof inwardly of the second mentioned stitching for securing the binding and the upper and sole together, and means carried by said upper and adapted to engage about the heel of the wearer for retaining the sandal on the foot.

2. In a launderable sandal, a sole composed of layers of woven fabric material including an outer ply, an inner ply, and superposed intermediate plies of soft, compressible, absorbent material, one of said intermediate plies being coextensive with the outer ply and another of said intermediate plies being coextensive with the heel portion of the outer ply and terminating in the region of the arch of the foot, an upper composed of a woven fabric material adapted to engage over the forepart of the foot in the region of the instep, said inner ply and intermediate plies and the upper being secured together adjacent the edges thereof by a line of stitching, a binding surrounding the edges of the sole and overlying the outer face of the outer ply and the upper faces of the inner ply and the upper adjacent the edges thereof, a line of stitching engaging through said overlying portions of said binding and through the upper and the plies of the sole for securing the same together adjacent the edges thereof, and means carried by said upper adjacent the opposite edges of the sole adapted to engage about the heel of the wearer for retaining the sandal on the foot.

3. In a sandal, a sole composed of layers of fabric material including an outer water resistant ply, an inner ply and superposed intermediate plies of absorbent material, said intermediate and inner plies being stitched together to provide a quilted construction which is unsecured with reference to the outer ply in the region of the quilted portion, an upper composed of a woven fabric material conforming to and adapted to engage the forepart of the foot in the region of the instep, stitching securing said inner and intermediate plies together at the marginal edges thereof and securing the upper thereto, a binding surrounding the edges of the sole and overlying the outer face of the outer ply and the upper faces of the inner ply and the upper adjacent the edges thereof, stitching engaging through said overlying portions of said binding and through said upper and the plies of the sole securing the same together adjacent the edges thereof inwardly of the second mentioned stitching for securing the binding and the upper and sole together, and means adapted to engage about the heel of the wearer for retaining the sandal on the foot.

4. In a sandal, a sole composed of layers of fabric material including an outer water resistant ply, an inner ply and superposed intermediate plies of absorbent material, said inner and intermediate plies being stitched together to provide a quilted construction and which is unsecured with reference to the outer ply in the region of the quilted portion, an upper composed of a woven fabric material conforming to and adapted to engage the fore-part of the foot in the region of the instep, a binding surrounding the edges of the sole and overlying the outer face of the outer ply and the upper face of the upper adjacent the edges thereof, stitching engaging through said overlying portions of said binding and through said upper and the plies of the sole securing the same together adjacent the edges thereof, and means carried by the upper and adapted to engage about the heel of the wearer for retaining the sandal on the foot.

PHILIP A. SAWYER.