Jan. 23, 1951 W. B. DIMOND 2,539,364

SHOE BINDING FOR SHOE SOLES

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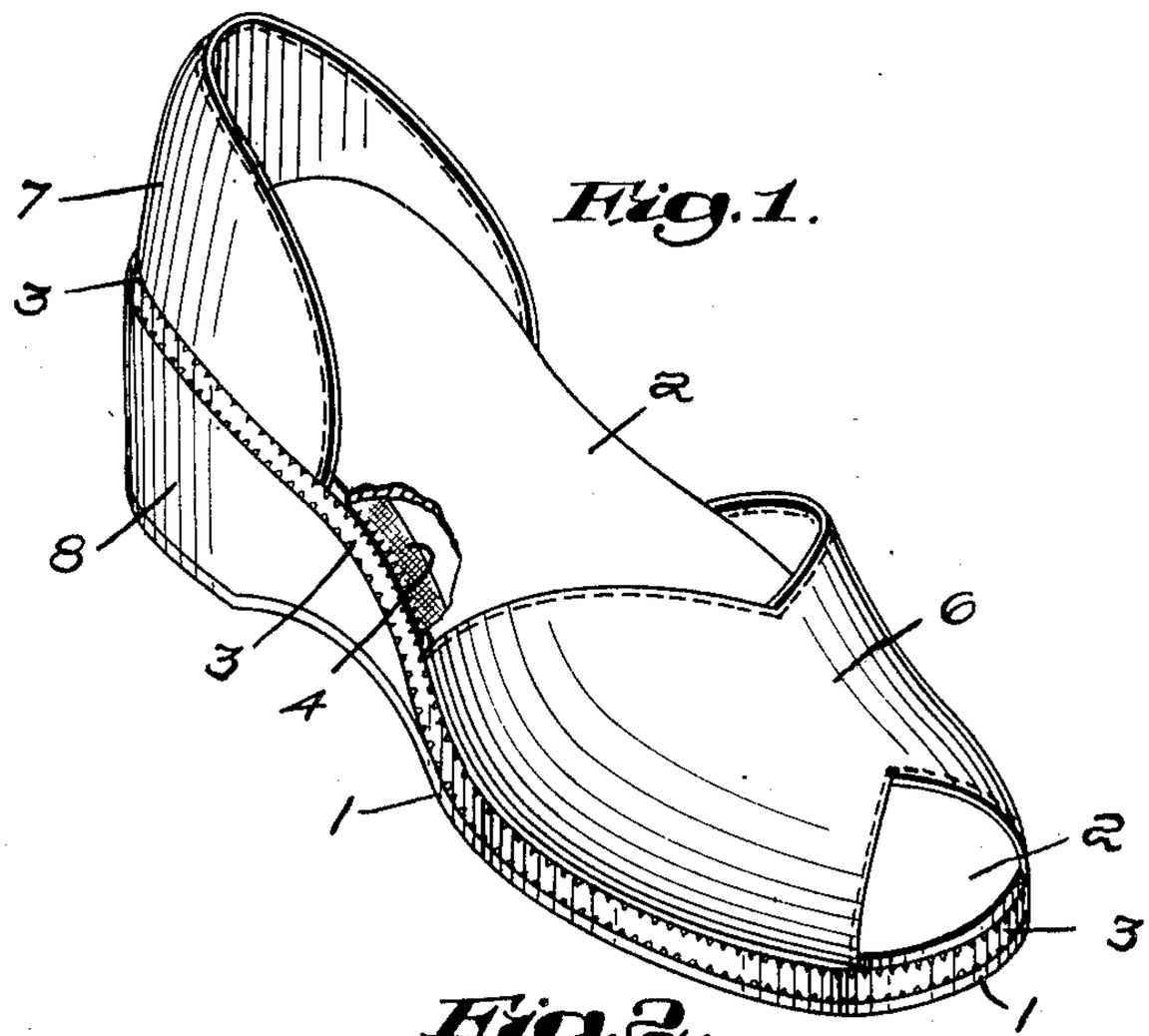



Fig. 1.

Fig. 2.

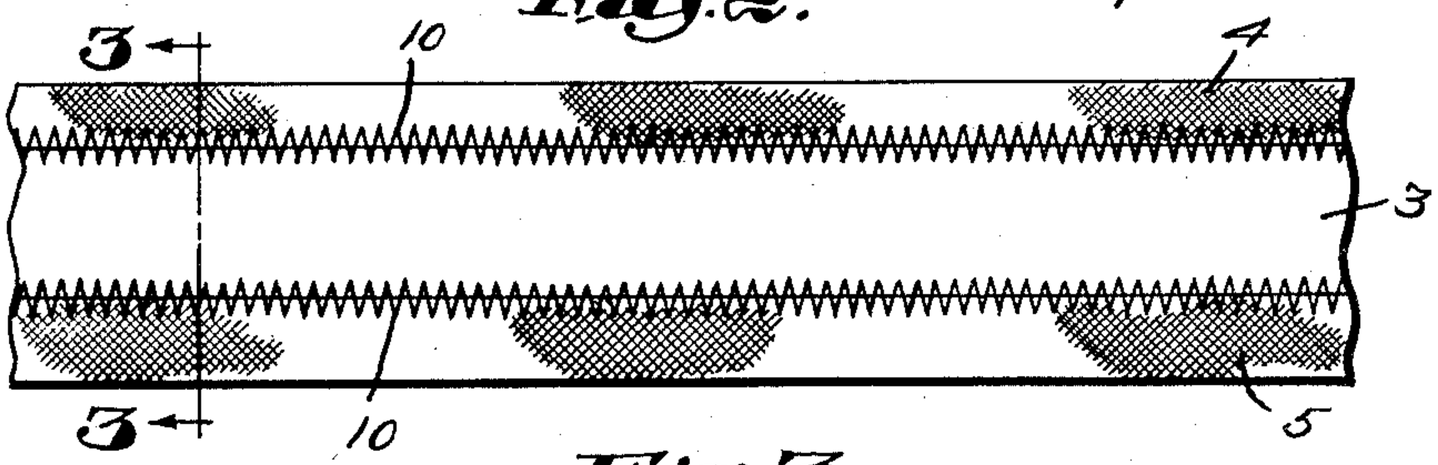



Fig. 3.




Fig. 4.

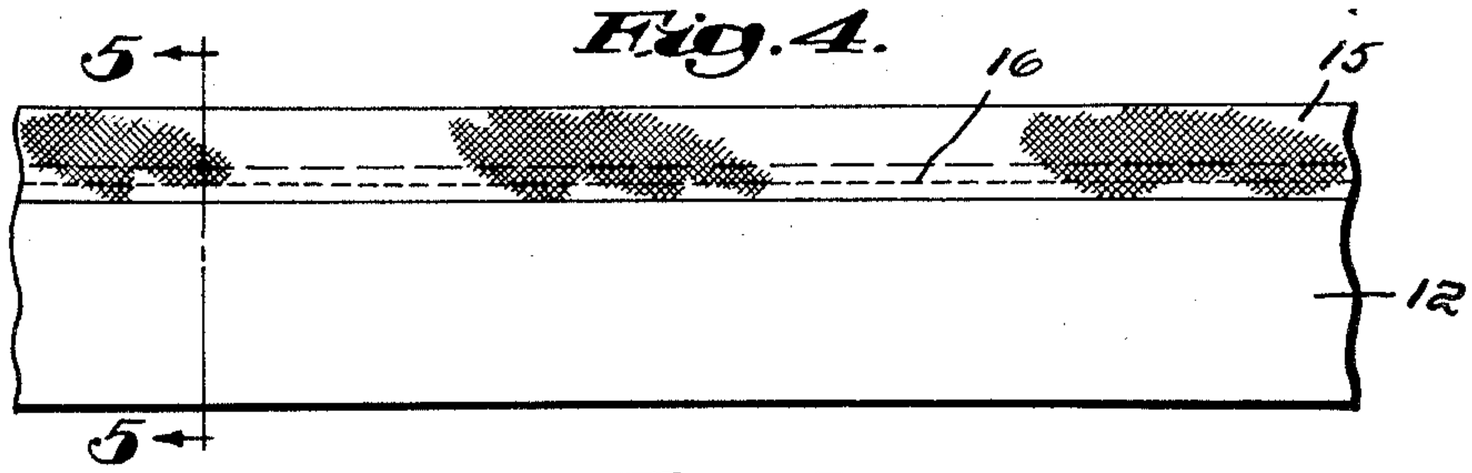
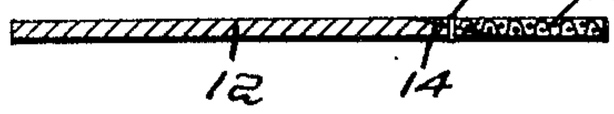



Fig. 5.

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2,539,364

## SHOE BINDING FOR SHOE SOLES

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Application May 23, 1947, Serial No. 749,954

2 Claims. (Cl. 36—25)

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My present invention is a novel and improved finishing binding, particularly intended for boots and shoes of the so-called platform type, although the binding can be utilized for other purposes.

In the present types of so-called platform shoes, an extra sole or midsole is provided between the outsole and normal insole of the shoe, and it is necessary and customary to cover the exposed marginal edge of said platform sole with a finishing and ornamenting binding strip. Usually such binding strip has been made of a strip of finished leather, such as upper leather, and made with ornamentations thereon, such strip being of a width sufficient to overlap the marginal edge of the platform sole and be cemented, stitched, or otherwise secured thereto, and then to receive cement on the folded-over portions for attachment to the insole and outsole, respectively.

In order to effect such cementing to the insole and outsole, the finished surface of leather or imitation leather has to be either buffed or skived, or both, in order to give a firm attaching surface for the cement and also to give a feather edge effect to prevent undue ridges in the shoe. Such prior use of leather, or the like, finishing strips was expensive because of the width of the strip required to provide for the folded-over marginal portions, as well as requiring handling, skiving, buffing, etc., and all this was particularly liable to result in bunches around the toe portion.

My present invention is directed to obviate the difficulties above briefly outlined and to provide a novel and improved binding and finishing strip which will conserve the material of the finishing strip, will give better substance to which the cement will adhere for attachment of the platform sole to the shoe, and will afford a smoother inner surface in the shoe where the folded-over portion is incorporated therein, particularly around the toe, and giving a smoother fitting of the finished material particularly around the entire marginal portion of the platform sole.

In carrying out my invention, I provide a relatively narrow strip of the desired material for the finished edge and ornamental portion of the binding strip, which I have designated as prime material. This may be of leather, imitation leather, suede, satin, or other suitable finishing and ornamenting material, provided with additional ornamentations if desired; and I attach to the marginal edge, or edges, of such prime material a strip of suitable width of textile or secondary material for the folded-over portion of the combined strip. This secondary or textile material such as woven tape, drills, coutils, or

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the like, also gives a better surface to which the adhesive will adhere and, furthermore, provides a soft yielding and compressive strip or marginal portion of the binding which will be readily compressed between the overlaying sole or insole portions on the surfaces of the platform sole and prevent ridges, and particularly insures the tight fitting of the exposed surface of the prime material.

Thus my improved construction saves expense by utilizing only the width of prime material needed for the covering of the exposed edge of the platform sole, and also saves the buffing or skiving operation. Furthermore, the marginal parts of the binding strip are concealed in the overlapping portions of the insole and outsole in the completed shoe construction, and being of cheaper textile material, will lay more smoothly and snugly and present a better cement-receiving surface than if the entire width of the tape were made of the more expensive finishing material.

Also, certain of these finishing bindings are provided with raised ornamentations which could not possibly be folded over and present a smooth surface. Certain types of finishing leathers, such as alligator skin, lizard, snakeskin, either real or imitation, and the like, have rough surfaces which are difficult to fold under as well as to buff or skive evenly and to cement firmly, but can advantageously be employed by my invention because of the side strips of secondary material and the small amount of the prime material used.

My present invention thus provides a combination of different materials widthwise of the binding strip having the prime layer of a width sufficient to effect the edge-enclosing appearance desired, together with a secondary textile or the like strip, or strips, for the folding-under and adhesive-holding portion. Preferably I unite these two strips by zig-zag stitching or by scarfing and overlapping so that the entire width of the combined binding and finishing strip will be approximately uniform in thickness.

Referring to the drawings illustrating preferred embodiments of my invention;

Fig. 1 is a perspective view of a typical type of platform shoe embodying my improved binding strip with a portion of the insole broken away;

Fig. 2 is a fragmentary plan view on an enlarged scale with my improved binding strip with the central lengthwise portion of prime material, and a marginal strip of secondary material united to each edge of the prime material;

Fig. 3 is a cross-sectional view on the line 3—3 of Fig. 2 on a further enlarged scale;

Fig. 4 is a fragmentary plan view of my improved binding strip of prime and secondary material, having the secondary material attached along one edge with the overlapping material scarfed and united with straight stitching; and

Fig. 5 is a cross-sectional view on a further enlarged scale on the line 5—5 of Fig. 4.

Referring to the drawings, a typical type of platform shoe is illustrated having an outsole 1, insole 2, an intermediate platform sole covered by my improved binding strip comprising the central finished surface of prime material 3 and secondary edge attached textile strips 4 and 5. The shoe upper along the forepart is indicated at 6, and the heel 8 and counter section 7.

It will be appreciated that any suitable or desirable type or design of upper can be utilized in the platform type of shoes, such upper being frequently of straps, sandal construction, or the like.

As shown in Figs. 2 and 3, my composite binding strip has the central portion 3 of suitable or desirable finishing and ornamental material such as the glazed surface of upper leather, of suitable width to cover the marginal edge of the platform sole to which it is stitched. Attached to each marginal edge of the prime material 3, I apply my secondary material comprising braided tape, textile, or other material in the form of strips 4 and 5, preferably by abutting the same against the centre strip and securing the two abutting edges by zig-zag stitching 10.

Thus the entire width of the composite strip of prime and secondary materials is approximately of uniform thickness throughout and of greater width than the thickness of the platform sole, so that it can be easily fitted and stitched thereto. With the marginal strips 4 and 5 of the textile or secondary material especially receptive for cement-holding and attaching to the insole and outsole, a better and smoother fitting is obtained, and the textile layers are more compressible between the sole 1 and insole 2, giving a smoother union therebetween and preventing objectionable ridges in either the outsole or insole along the marginal portions where this binding strip is secured.

Furthermore, a much closer, better, easier, and finer fitting effect is secured around the toe portion, eliminating to a large degree the bunching of such binding strips at the toe portion particularly, especially where sharp pointed shoes are made.

In Figs. 4 and 5 I have illustrated a modified form of construction wherein the prime material 12 has one edge bevelled, as shown at 14, to which a corresponding edge of the secondary material 15 is secured by straight stitching 16. In some styles and models it is only necessary to have the secondary material 15 attached to one side of the ornamental prime material 12 and, accordingly, I have so illustrated this modified form with the auxiliary strip of one layer, but a similar auxiliary strip can be attached to the opposite edge of the prime material 2 by scarfing and straight stitching, if desired.

While I have illustrated and explained my present composite binding and finishing strip as applied to platform shoes, for which the invention is primarily intended, it is also contemplated that such a composite strip would be suitable for use in automobile trimming, upholstery, or the like where the edge portions are turned under and concealed, and particularly where they are secured by adhesive, leaving the expensive and outer central portion of the trim exposed for finish and ornamentation.



Also, while I have referred to the finishing surface of the central portion of my improved binding as leather or the like, it could be formed of any desired material, and of any desired color, such as pliable plastic, Pyroxylin coated canvas, fabric or other attractive and ornamental finishing strips, together with the cheaper sides of tape or textile strips particularly advantageous to hold adhesive and giving compressibility between the covering strip of such folded-over portion.

I claim:

1. A platform shoe sole having in combination, an edge-binding strip of the kind described constructed and arranged to enclose the edge portion of the shoe sole and to be attached by cement to the top and bottom surfaces only of the sole adjacent the edge portion, comprising longitudinal strips of different primary and secondary material united widthwise, the prime strip being finishing material and of slightly greater widthwise area than the edge portion of the sole, the secondary strip being of relatively inexpensive textile material attached to an edge of the finishing strip and cemented to the sole surface, said primary material being free of cement-attachment to the sole edge.

2. A platform shoe sole having in combination, an edge-binding strip of the kind described constructed and arranged to enclose the edge portion of the shoe sole and to be attached by cement to the top and bottom surfaces only of the sole adjacent the edge portion, comprising three longitudinal strips of alternating primary and secondary material, and the middle strip being of primary material having a finishing outer surface and of slightly greater area widthwise than that of the sole edge, and the secondary side strips being of relatively inexpensive textile material, each attached to an edge of the finishing strips and cemented, respectively, to the top and bottom surfaces of the sole sufficiently remote from the sole edge to be invisible in the completed shoe, the middle primary material being uncemented to the sole edge.

WILLIAM B. DIMOND.

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