O. C. DAVIS.

SHOE.

APPLICATION FILED MAR. 2, 1916.

Patented Sept. 12, 1916.

1,197,916

FIG. 1.

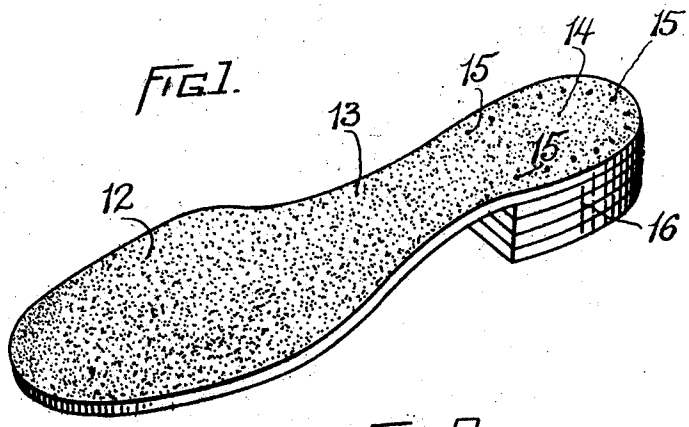


FIG. 2

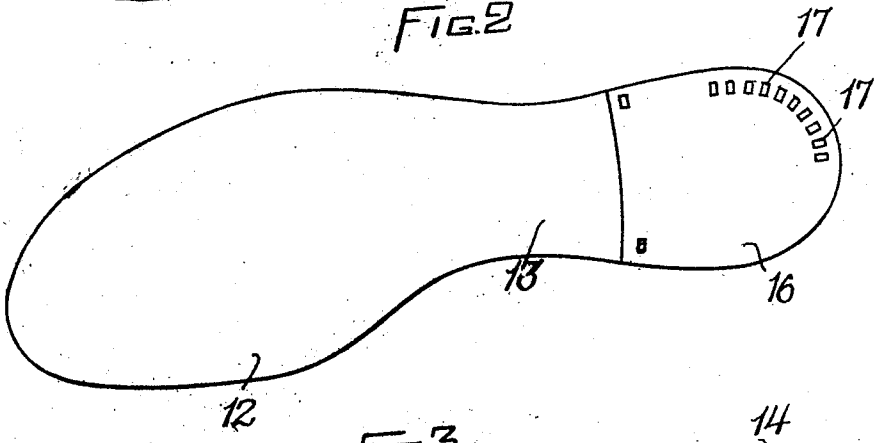
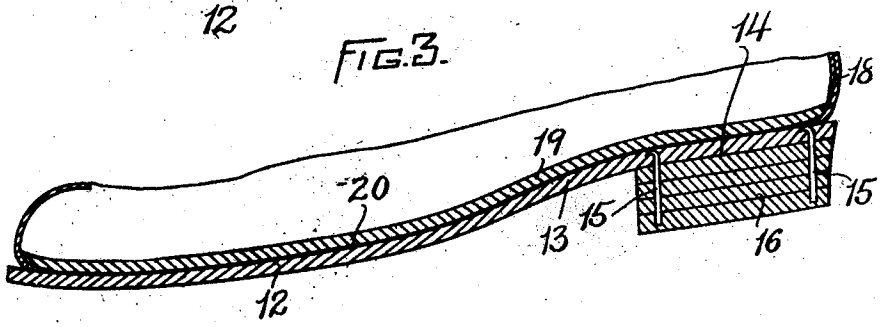


FIG. 3.



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OSCAR C. DAVIS, OF BROCKTON, MASSACHUSETTS.

SHOE.

1,197,916. Specification of Letters Patent. Patented Sept. 12, 1916.

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To all whom it may concern:

Be it known that I, OSCAR C. DAVIS, a citizen of the United States, residing at Brockton, in the county of Plymouth and State of Massachusetts, have invented new and useful Improvements in Shoes, of which the following is a specification.

This invention relates to a shoe having a full length outer sole including a fore portion, a shank portion and a heel portion, and a heel seated on and projecting from the outer or under side of the outer sole.

The invention has for its object to reduce the cost of bottoming a shoe, or, in other words, of providing that portion of the shoe which includes the upper and inner sole, with a bottom which includes a full length outer sole and a heel seated on the heel portion of the outer sole.

The invention consists in the improvements hereinafter described and claimed.

Of the accompanying drawings forming a part of this specification: Figure 1 represents a perspective view of a shoe bottom embodying my invention, ready for attachment to the upper and inner sole of a shoe; Fig. 2 represents a view of the under side of said bottom; Fig. 3 represents a longitudinal section showing the bottom attached by cement to the inner sole and upper of a shoe.

The same reference characters indicate the same or similar parts in all the views.

In carrying out my invention I take a full length outer sole which includes a fore portion 12, a shank portion 13, and a heel portion 14, said sole being preferably made in a single piece of sole leather or other suitable wear-resisting material. To the heel portion 14 I attach by suitable means, such as nails 15, a heel 16, which may be composed of leather lifts, or may be of any other suitable material.

As here shown, the nails 15, which are blind nails onto which the top-lift of the heel is spanked as usual, are clenched upon the upper surface of the heel portion 14, so that they do not project above the heel portion. If desired, the heel may be provided with the usual slugs 17 arranged to protect portions of the tread surface of the top-lift against wear.

The grain surface of the sole constitutes the bottom or tread surface. The edges of the sole and heel may be finished by the usual or any suitable operations prior to the attachment of the bottom formed by the sole and heel to the upper 18 and inner sole 19 of the shoe. The top surface of the sole is prepared from end to end for attachment by cement to the upper and inner sole. The said surface may be thus prepared by the action of a splitting knife removing the flesh surface of the sole so that the prepared surface is more or less fuzzy. The completed bottom may now be secured to an inner sole and an upper assembled on a last, by a film 20 of cement applied to the prepared top surface of the outer sole.

The cost of manufacturing a shoe in the manner above described is considerably reduced, first, because the heel and sole edges may be finished more economically and to better advantage prior to their attachment to the upper and inner sole, and secondly, because the attachment of the bottom to the upper and inner sole by cement reduces to the minimum the number of operations and the time required for bottoming a shoe.

The outer sole conforms from end to end to the inner sole, so that the clenched points of the heel-attaching nails are covered by the heel portion of the inner sole and cannot work upwardly and injure the foot of the wearer.

Having described my invention, I claim:

1. As an article of manufacture, a shoe bottom composed of a leather outer sole having fore, shank, and heel portions adapted to conform from end to end to the inner sole of a shoe body, a heel seated on the outer or under side of said heel portion, and inwardly driven nails attaching the heel to the heel portion and clenched on the upper side of the latter, the entire upper side of the outer sole including the heel portion thereof being prepared for attachment by cement to the inner sole and upper of a shoe, the said heel portion being rigidly secured to the heel by the heel-attaching nails, and the clenched points of said nails being arranged to be covered by the heel portion of said inner sole.

2. A shoe comprising a body which includes an upper and an inner sole, and a

bottom composed of a leather outer sole having fore, shank, and heel portions, conforming from end to end to the inner sole, a heel seated on the outer or under side of said heel portion, and nails attaching the heel to the heel portion and clenched on the upper side of the latter, the outer sole being cemented to the inner sole and the clenched points of the attaching nails being covered by the heel portion of the inner sole.

In testimony whereof I have affixed my signature.

OSCAR C. DAVIS.