

M. ZAVARKIN.
ALUMINUM SHOE.
APPLICATION FILED JAN. 2, 1918.

1,268,199.

Patented June 4, 1918.

Fig. 1.

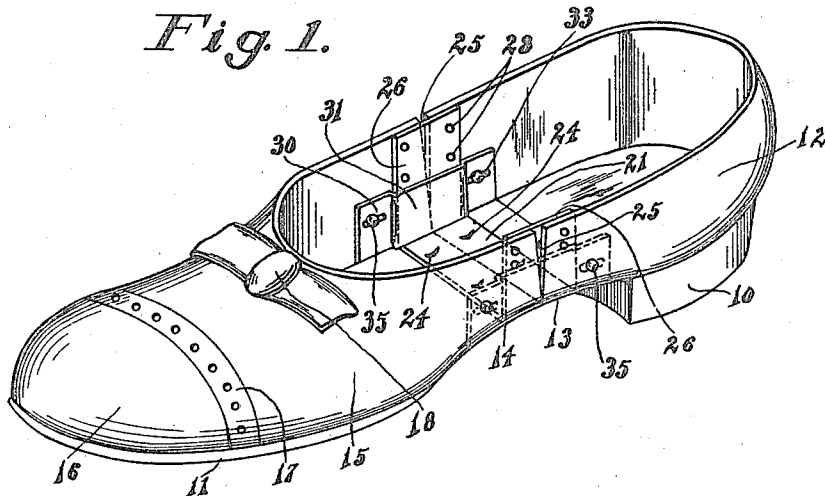


Fig. 2.

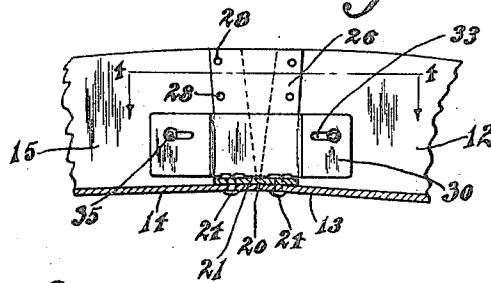


Fig. 3.

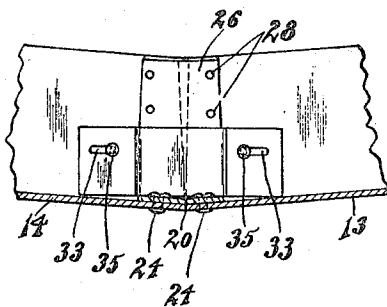
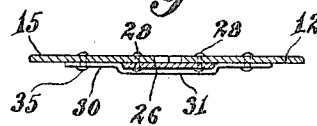


Fig. 4.



INVENTOR
Maxim Zavarkin

BY *Chas. Gill*

ATTORNEY

UNITED STATES PATENT OFFICE.

MAXIM ZAVARKIN, OF EAST BRIMFIELD, MASSACHUSETTS.

ALUMINUM SHOE.

1,268,199.

Specification of Letters Patent.

Patented June 4, 1918.

Application filed January 2, 1918. Serial No. 209,934.

To all whom it may concern:

Be it known that I, MAXIM ZAVARKIN, a citizen of Russia, and resident of East Brimfield, county of Hampden, and State of Massachusetts, have invented certain new and useful Improvements in Aluminum Shoes, of which the following is a specification.

This invention relates to improvements in shoes or foot coverings for personal wear and has as its special object the provision of shoes which are particularly light, durable, and comfortable.

A further object is to provide a shoe which may be conveniently placed upon the foot or removed therefrom and which, in its exterior aspect, presents no objectionable features to view.

These and other like objects are attained by the novel construction and combination of parts hereinafter described and shown in the accompanying drawing, forming a material part of this specification, and in which:—

Figure 1 is a perspective view showing a shoe made in accordance with the invention.

Fig. 2 is a fragmental vertical sectional view looking from the interior of the shoe.

Fig. 3 is a similar view of the same, but showing the parts in another position, and

Fig. 4 is a horizontal sectional view taken on line 4—4 of Fig. 2.

In Fig. 1 is indicated a shoe, having the general appearance of an ordinary leather shoe, comprised of a heel 10, with which is engaged a counter 12, the same extending to a point below the instep 13, and which is joined to an upper 15, and toe element 16, connected integrally with the sole 11, and over which may be disposed a form of ornamental cap 17, and the shoe may be further ornamented by an element simulative of a buckle 18.

All of the several parts are shaped, formed and colored in any desired manner, it being understood that the entire shoe, thus far described is comprised of metal, preferably aluminum.

Between the sections 13 and 14, the inner edges of which are in register, is a narrow space 20, over which is disposed a plate 21, the same being secured by rivets 24, formed so as to present no obstruction or discomfort when in contact with the foot, the plate having bent portions 26 extended up along the sides of the counter 12 and upper 15, so

as to cover the V shaped opening 25, formed equally between the adjacent edges, the upstanding ends 26, being secured by rivets 28, arranged along its margin and passing through the metal sides of the shoe, it being clearly understood that the plate elements 21 and 26 are composed of an elastic material having sufficient resilience to bring the two sections of the shoe into the shape indicated in Figs. 1 and 3 when in use, but which will allow the two sections to be separated so the foot of the wearer may be inserted therein.

In order to hold these two sections, front and rear, from lateral action, a pair of exterior clips 30, formed of sheet metal with a raised central portion 31, are provided with elongated horizontal slots 33, receptive of the shanks of rivets 35, the heads of which hold the plates in relative position closely adjacent to the inner walls of the shoe and yet, but by reason of the slots, permit the sections to be moved relatively to each other.

The shoe may be constructed by any ordinary process of metal bending, if sheet metal be used, or by casting processes if it may be preferred, and the two sections will be hingedly engaged together by the elastic strips 21 and 26, so that the heel section may be turned downward thus allowing the foot to be readily inserted, after which the heel section will be raised into position by the elasticity of the strips 26, or assisted by the hand and it is to be understood that the elements 26 have sufficient elasticity to hold the shoe engaged with the foot.

I claim:—

1. In a metallic shoe, comprised of a heel and toe section, of a flexible elastic connecting element engaged therebetween upon opposite sides to the sole and the instep thereof, and forming a hinged joint therebetween, extensions of said elastic element, secured along their margin to said front and rear section, said elastic element being adapted to cover openings between adjacent edges of said sections, a pair of oppositely disposed metallic plates having longitudinal slots formed therethrough arranged interiorly of said sections, whereby they are joined together, and an engaging means fixed in said section operating through said slots, said plate being adapted to retain said sections against lateral motion.

2. In a sectional metallic shoe, the combination with the front and rear sections, of

an elastic connection therebetween, said elastic connection extending along the side openings thereof, rigid plates connecting between the margins of said sections, said
5 plates having longitudinal slots formed therethrough, and rivets movable in the mentioned slots, said rivets being rigidly set in

said front and rear elements, said plate forming a cover over said flexible connection, and preventing lateral motion between 10 said front and rear sections.

In testimony whereof I have affixed my signature.

MAXIM ZAVARKIN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."