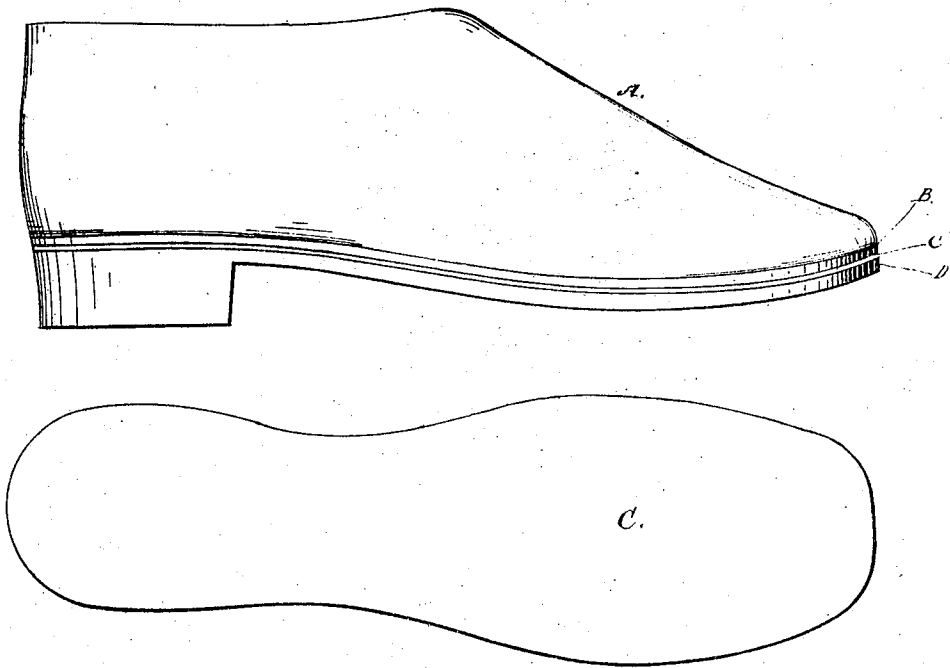


No. 24,317.

PATENTED JUNE 7, 1859.

W. J. LYMAN.
SHOE SOLE.



Witnesses:

Betterfair

Thomas J. Lourey

Inventor:

William J. Lyman

UNITED STATES PATENT OFFICE.

WILLIAM J. LYMAN, OF EASTHAMPTON, MASSACHUSETTS.

SHOE-SOLE.

Specification of Letters Patent No. 24,317, dated June 7, 1859.

To all whom it may concern:

Be it known that I, WILLIAM J. LYMAN, of Easthampton, in the county of Hampshire, in the State of Massachusetts, have invented a new and useful Insole to Shoes, Boots, &c., to Prevent the Possibility of Ingress of Dampness Through the Inner Soles of Shoes or Boots, (the sides can also be lined the same way three-fourths of an inch up more or less, in a similar manner;) and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and the letters of reference marked thereon.

The nature of my invention consists in providing a metallic insole to shoes, boots, &c., which I have tested and find that it operates admirably, that no dampness penetrates through to the inside sole; and it is the only device that will operate well between two soles and is or can be made so thin as not to interfere with the most delicately finished work; and the necessity of such a device to fully accomplish the much desired object and the direful effect arising from damp feet are too well understood to require any comment.

I do not wish to confine myself to any particular alloy or metal as various kinds will answer the purpose equally well.

To enable others skilled in the art to make and use my invention I will proceed to describe the *modus operandi*.

Take the kind of metal or alloy that you use and roll it out to the desired thickness in the usual manner well known to mechanics

skilled in the art. Then cut the metal the desired shape, and construct a boot or shoe in any of the ordinary ways, and place the metallic soles between the outer and inner soles, which may come even with the outer edge or fall a little back. (A thin lining of the same material can also be put around the lower edge of the upper part of the shoe, for the same purpose.) I also make a detached insole of the same material for the same purpose, to be worn inside of shoes, boots, &c., which are not near so cumbersome as other materials that have been used to accomplish the same object, and is more effectual, and can be made so thin as not to interfere with the most delicate fit to a lady's shoe. The necessity of such an invention is too well known to require comment.

Figure 1, is a vertical central sectional view of a shoe, (A) the upper part of the shoe, (B) the insole, (C) the middle or metallic sole, (D) the bottom or outer sole.

Having thus fully described the nature and the mode of applying or using my invention, what I claim as new and desire to secure by Letters Patent is—

The use or application, or, employment, of a metallic insole to shoes, boots, &c.

In testimony whereof I hereunto set my hand this twenty second day of April, A. D. one thousand eight hundred and fifty-nine.

WM. J. LYMAN.

Witnesses:

E. M. STERVELL,
E. W. BOND.