(No Model.)

H. BUCKINGHAM.

INNER SOLE FOR BOOTS OR SHOES.

No. 351,849. Patented Nov. 2, 1886.

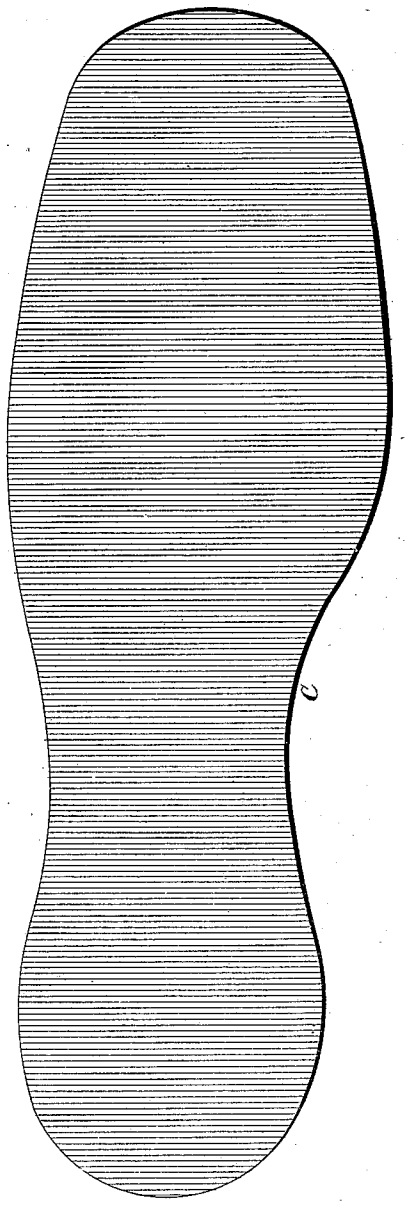

Fig. 1.

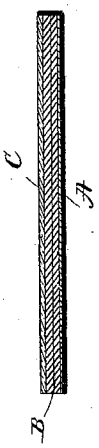

Fig. 2.

WITNESSES

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UNITED STATES PATENT OFFICE.

HIRAM BUCKINGHAM, OF HARTFORD, CONNECTICUT.

INNER SOLE FOR BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 351,849, dated November 2, 1886.

Application filed March 31, 1886. Serial No. 197,365. (No model.)

To all whom it may concern:

Be it known that I, HIRAM BUCKINGHAM, a citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Insoles and Inner Soles for Boots or Shoes and in the Manufacture Thereof; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to boots and shoes; and it consists in the combination of new, useful, and durable materials in the manufacture of an insole or inner sole and bottom lining for boots or shoes, constructed of two central layers of tarred heavy roofing-paper or other suitable material, and an under layer of burlap, and an upper layer (which will form the bottom lining of the boots or shoes) of felt made of wool, cotton and wool, silk and cotton, or any of these materials combined, the whole firmly cemented together with waterproof cement, making a reliable, durable, and cheap water-proof insole and a comfortable bottom lining combined.

In the accompanying drawings, Figure 1 represents a plan view of the insole; Fig. 2, a sectional view showing the different materials as cemented together.

A is the burlap or bottom layer; B, the central layers of tarred heavy roofing-paper; C, the felt or top layers and bottom lining of the boot or shoe.

This insole differs from the ordinary inside soles, as it can be used to form an integral part of the boot or shoe in the manufacture thereof, taking the place of the ordinary leather insole, the tarred paper and burlap forming a combination with a body sufficient to retain the stitches, in case the boot or shoe is made in the ordinary manner of stitching, the burlap being peculiarly suitable for this purpose when backed by the tarred paper, and, in case the boot or shoe is made by pegging in the ordinary manner, the tarred paper and burlap combined form a material with a body capable of holding the pegs much better than a cheap, soft, or poor quality of leather, and the pegs or stitches become hard and durable when embedded in the tarred paper much the same as a shoe-maker's thread or end with an extra coat of wax. This will be readily understood by those engaged in the trade.

The felt combined with the tarred paper forms a comfortable insole not liable to double up under the foot or get out of place like the ordinary inside sole and obviates the necessity of using an extra inside sole.

I am aware that insoles have been made of many kinds of textile fabrics, paper coated with a compound of tar and other ingredients combined with felt. I do not claim such a construction, broadly; but I am not aware that burlap has ever been combined with tarred paper and felt so as to be suitable for an insole in the manufacture of boots or shoes, to which the vamp or upper and sole can be secured in the ordinary manner of pegging, sewing, and welting, which can be done with this insole.

I therefore claim—

An inner sole for boots or shoes consisting of a layer of burlap, two central layers of tarred roofing-paper, and a layer of felt, which will form the bottom lining of the boot or shoe, the burlap and tarred paper forming a combined material capable of holding either pegs or stitches in case the boots or shoes are manufactured either by pegging or stitching.

In testimony whereof I affix my signature in presence of two witnesses.

HIRAM BUCKINGHAM.

Witnesses:

HENRY W. FULLER,

HENRY E. TAINTOR.