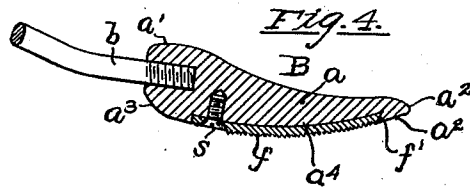
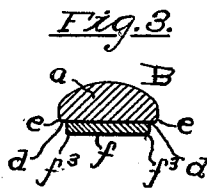
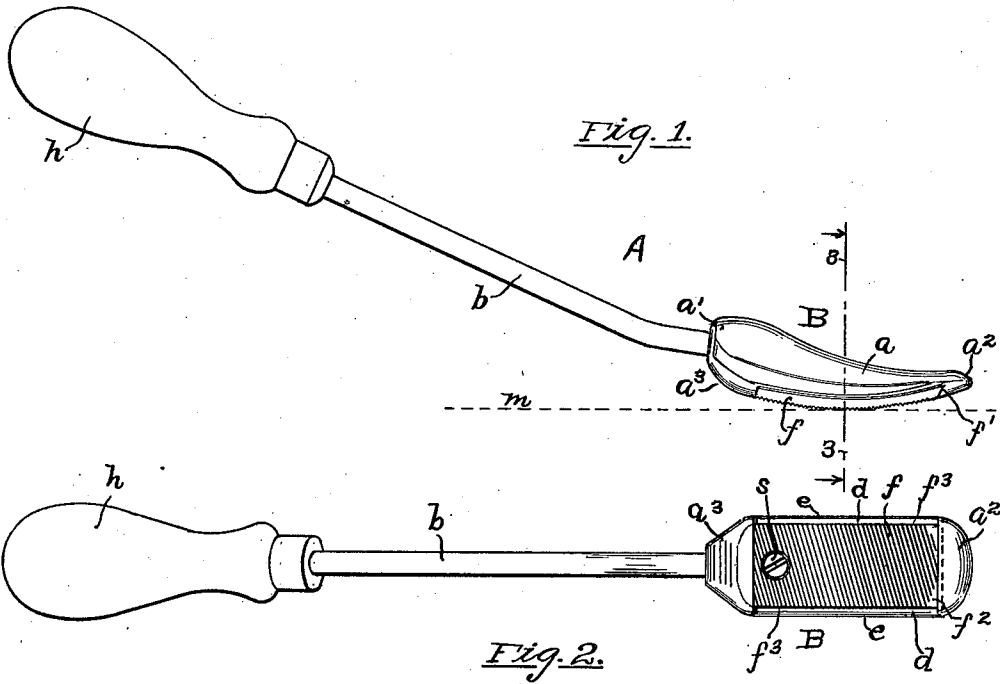


H. E. MAINE.
 INSOLE SMOOTHING IMPLEMENT FOR SHOES.
 APPLICATION FILED MAR. 8, 1912.

1,036,129.

Patented Aug. 20, 1912.



WITNESSES.

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HERBERT E. MAINE, OF PROVIDENCE, RHODE ISLAND.

INSOLE-SMOOTHING IMPLEMENT FOR SHOES.

1,036,129.

Specification of Letters Patent.

Patented Aug. 20, 1912.

Application filed March 8, 1912. Serial No. 682,407.

To all whom it may concern:

Be it known that I, HERBERT E. MAINE, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Insole-Smoothing Implements for Shoes, of which the following is a specification.

This invention, which may be termed an insole smoothing implement for shoes, relates to a device employed for cutting or abrading the inner projecting ends of pegs, nails, rough places, or other abnormalities from the upper surface of the insoles of shoes, the device, when in use, serving at the same time to smooth the thus acted-upon interior surface of the shoe, all as will be more fully hereinafter set forth and claimed.

In the accompanying sheet of drawings, Figure 1 represents a side elevation of the insole smoothing implement embodying my invention; Fig. 2 is an inverted plan view, corresponding to Fig. 1; Fig. 3 is a transverse sectional view, taken on line 3—3 of Fig. 1; and Fig. 4 is a longitudinal central sectional view of the head or main member.

A, in the drawings, indicates my improved insole smoothing or shoe implement, as a whole; the same consisting essentially of the curved head B, a convex abrading member, or file, f , removably secured to the base or lower face a^4 of the head, and a suitably handled shank fixed in the rear end or heel part of the head and extending upwardly at an angle therefrom.

The head member B of my improved insole smoother has a curved form both longitudinally and transversely, and is made of suitable metal, as cast iron. I prefer to make its surface smooth and bright, so as to avoid any liability of injuring the interior of the shoe when the implement is being used. The body extends from the rounded heel part a^1 , a^3 , toward the front in a gradually tapering curved form, and terminates in the well-rounded toe a^2 . The bottom face of the head B has a curved or rocker form, with respect to a base line m ; the major portion of the face is recessed

(see a^4) to receive a short curved file f ; the forward end f^1 of the file is beveled or otherwise adapted to fit and interlock with the correspondingly shaped transverse groove formed in the underside of the toe part a^2 . The opposite end of the file is or may be secured to the recessed part of the head by a screw s or other suitable means.

The file is somewhat narrower than the head B, thereby producing at the bottom on each side thereof a laterally projecting flange part d having rounded outer edges e . The lower edges of the file itself may be slightly rounded, as at f^3 , Fig. 3, thereby enabling the user to tip the implement slightly in order to smooth the leather or stock adjacent the seam without liability of cutting or abrading the lining or upper and insole portion lying contiguous to the shoe's welt. The underside of the front end a^2 is substantially flush with the file's teeth at that point; if desired, the teeth immediately contiguous to the plain, smooth surface may be ground off or reduced in depth, as indicated at f^2 , Fig. 2.

In order to adapt the implement to be readily manipulated, it is provided with an arm or shank b secured in the heel thereof, and having the outer end of the shank fixed in a handle h .

The device, when in use, is capable of being manipulated back and forth in the shoe; when employed for cutting or filing away the inner ends of nails or other obstructions the implement is tipped up or down with respect to the base line m and also with respect to the location of the obstruction it is desired to remove. The device is adapted to be employed interiorly with equal facility along the right and left sides of the shoe and the toe portion; in fact, it is capable of engagement with the entire area of the insole, both as a cutting and smoothing implement. It is also capable of being employed with equal success in shoes varying in size, as for example, from a baby's shoe to shoes of maximum size.

I claim:—

In an implement of the character described, the combination of a polished head

member having a longitudinally extending
upwardly curved arcuate form gradually
increasing in depth or thickness rearwardly
from its point to the heel, and having the
5 form of the head cross-sectionally plano-
convex, a bent file fixed to the underside of
said head provided with relatively fine di-
agonally arranged cutting teeth and a han-

dle-carrying stem secured to the heel end of
the device, for the purpose set forth. 10

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

HERBERT E. MAINE.

Witnesses:

GEO. H. REMINGTON,
CALVIN H. BROWN.

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