

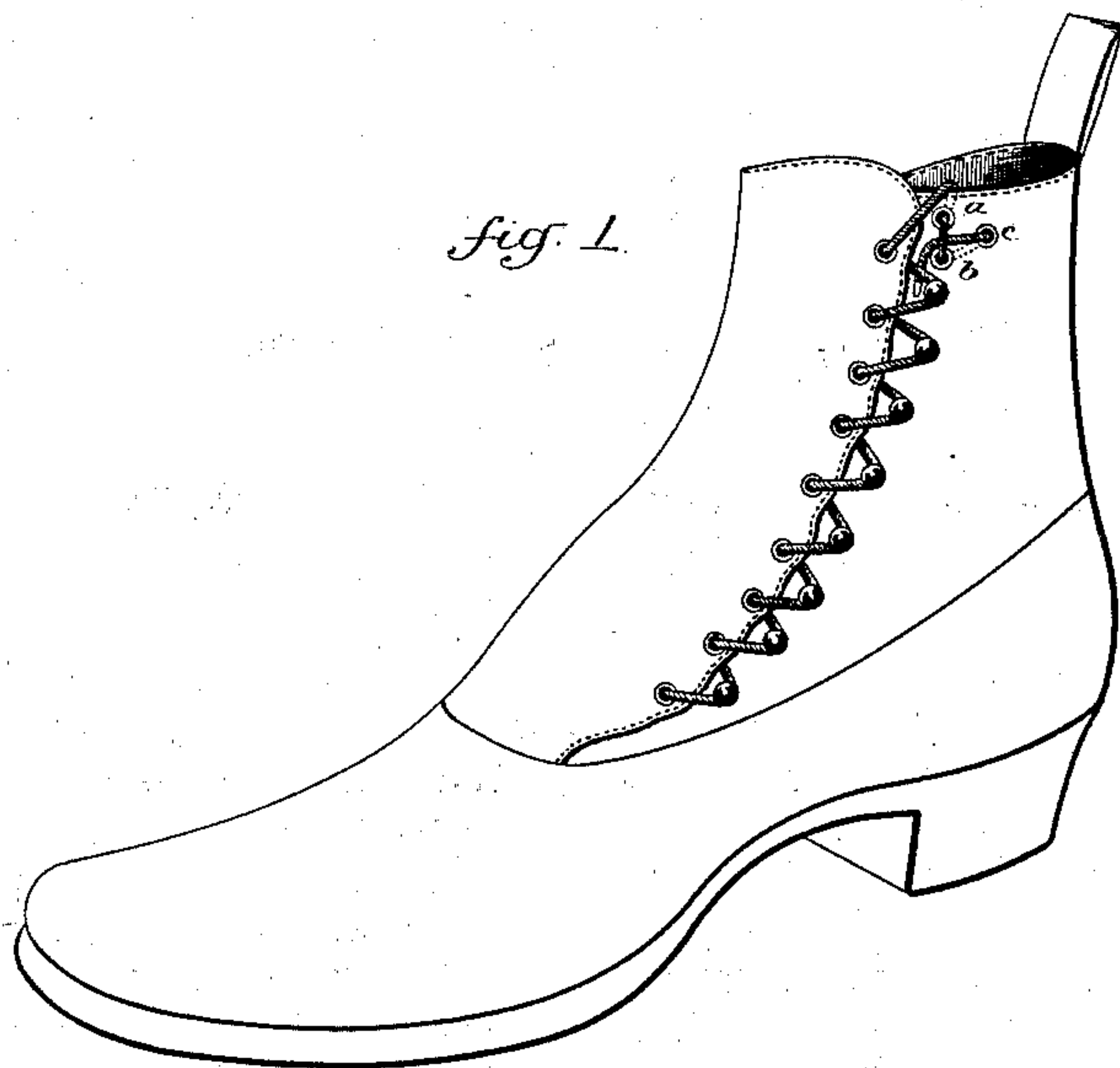
(No Model.)

E. C. C. HENDERSON & T. A. McDONALD.

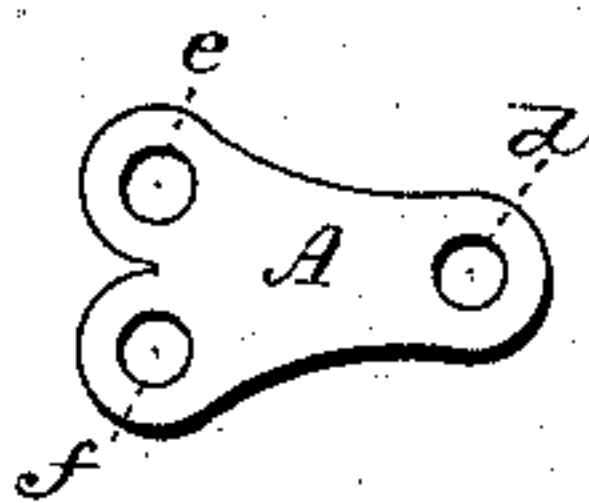
SHOE LACE FASTENING.

No. 280,173.

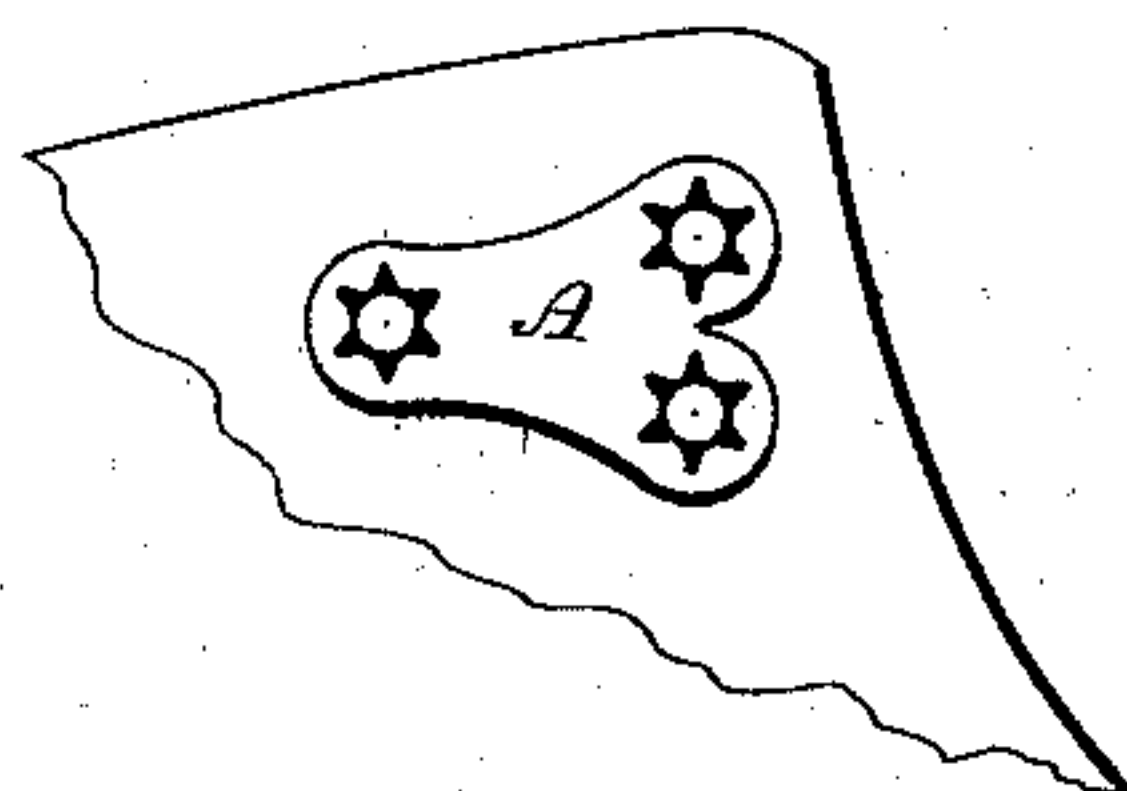
Patented June 26, 1883.



*fig. 2*



*fig. 3*



Witnesses.  
*J. V. Shumway*  
*John Earle*

Ewen C. C. Henderson,  
and Thomas A. McDonald,  
Inventors.  
By Atty.  
*John Earle*

# UNITED STATES PATENT OFFICE.

EWEN C. C. HENDERSON, OF PICTOU, AND THOMAS A. McDONALD, OF  
DURHAM, NOVA SCOTIA, CANADA.

## SHOE-LACE FASTENING.

SPECIFICATION forming part of Letters Patent No. 280,173, dated June 26, 1883.

Application filed April 9, 1883. (No model.)

*To all whom it may concern:*

Be it known that we, EWEN C. C. HENDERSON, of Pictou, Nova Scotia, and THOMAS A. McDONALD, of Durham, Nova Scotia, Dominion of Canada, have invented a new Improvement in Shoe-Lace Fastenings; and we do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be  
10 a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of the shoe; Fig. 2, the stay detached; Fig. 3, the inside of  
15 the shoe, showing the stay applied.

This invention relates to an improvement in the shoe-lace fastening for which Letters Patent were granted to us January 27, 1882, No. 260,198. Our previous invention as described  
20 in said Letters Patent consisted in providing one of the flaps of the shoe with three holes in the shape of a triangle, through which holes the lace is passed in such a manner that the end of the lace will be held by a part of the  
25 lace on the outside between two of the holes.

In practically carrying out our said invention we have encountered a difficulty arising from the fact that the strain upon the triangular-positioned holes is such as to contract or  
30 pucker the leather, as the leather readily yields under this strain, so much so as to make the shoe a discomfort to the wearer, and also many times loosening the fastening.

To obviate this difficulty is the object of our  
35 present invention; and it consists in applying a metal stay to the said three or triangularly-arranged holes upon one side of the upper, the said stay having holes corresponding to the holes in the shoe, and the eyelets, which pro-

tect the holes, serving to secure the stay to the shoe, as more fully hereinafter described.

The lacing-holes *abc* are arranged as in our previous patent, the lacing below those holes being arranged and applied in any known or convenient manner. Preferably upon the inside of the shoe we place a stay, *A*, cut from  
45 sheet metal in substantially triangular shape, and perforated, as at *d e f*, corresponding to the holes *abc* through the upper. This we arrange upon the inside of the upper, as seen in  
50 Fig. 3, and pass the eyelets through the holes and close them down upon the under side of the stay, as seen in Fig. 3, which firmly secures the stay in its position, and when so secured it prevents any possible change of the  
55 three holes with relation to each other, so that the difficulties hereinbefore mentioned are entirely overcome.

The eyelets may be made as a part of the stay that is struck therefrom, so as to pass  
60 through the leather and be set upon the opposite side.

What we claim as an improvement upon the invention secured to us by Letters Patent No. 260,198 is—  
65

In a single-lace shoe, the flaps provided with means for lacing, and above the lacing devices three holes, *abc*, through the upper, combined with the stay *A* upon one side, with eyelets through said holes *abc*, and by which said  
70 stay is secured to the upper, substantially as described.

EWEN C. C. HENDERSON.  
THOMAS A. McDONALD.

Witnesses:  
WELSFORD IVES,  
JOHN D. McLEOD.