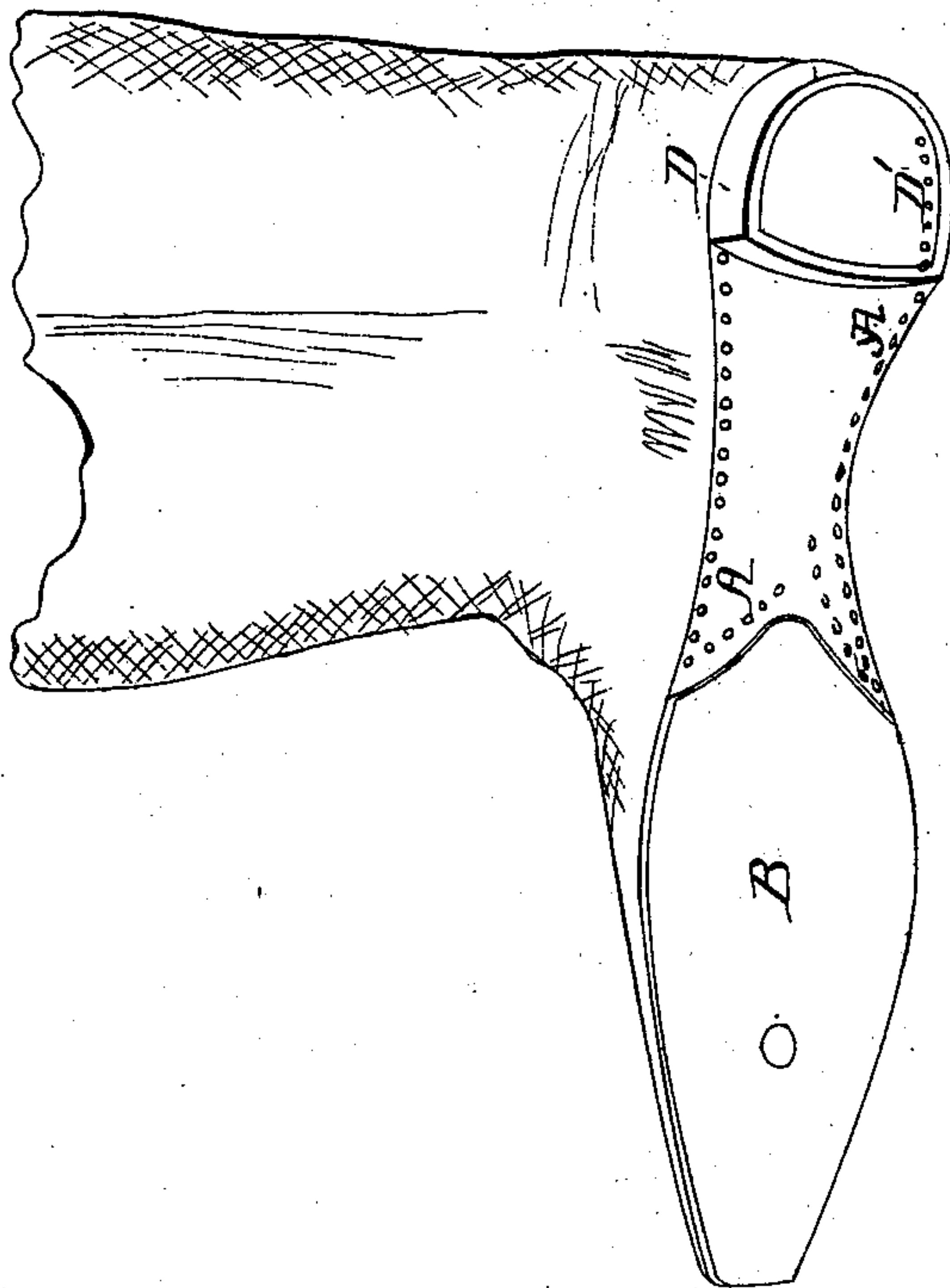


*A. Thayer,*

*Shoe Heel,*

*N<sup>o</sup> 2,062.*

*Patented Apr. 24, 1841.*



# UNITED STATES PATENT OFFICE.

ANSEL THAYER, OF BRAINTREE, MASSACHUSETTS.

MANNER OF MANUFACTURING BOOTS AND SHOES.

Specification of Letters Patent No. 2,062, dated April 24, 1841.

*To all whom it may concern:*

Be it known that I, ANSEL THAYER, of Braintree, in the county of Norfolk and State of Massachusetts, have invented an Improvement in the Manner of Making Boots and Shoes, which I denominate "Metallic-Shank Boots and Shoes"; and I do hereby declare that the following is a full and exact description thereof.

10 In boots and shoes, as improved by me, there is not any outsole of leather from the forepart of the instep to the back of the heel, this part being occupied by a plate, or fixture, of metal, which I denominate the  
15 metallic shank, which laps over the rear end of the outsole, and is continued back in one piece so as to form a portion of the heel.

In the accompanying drawing, A, A, is the metallic shank which is to be cast of  
20 brass, or other metal, in one piece with the heel part D, D'. The leather outsole B, extends back so as to pass under the fore end of the metallic shank, where it is skived off so that the shank may lie snugly upon it. The  
25 shank is to be nailed, or sprigged, down through the insole, on to an iron last, in the manner of nailing, or springing, soles of leather. The heel part is cast hollow, and the rim D, is to be filled in with cork and  
30 leather, or with leather alone, so as to rise flush with the edge of the rim D. Within this rim the heel part is nailed, or sprigged, down in the same way with the other parts of the metallic shank, the holes for which

are, in part, seen at D'. The pieces of leather which form the face of the heel may be readily renewed at any time; and they are firmly held in place without any other fastening, by inserting them within the rim, the cavity being larger at the bottom than  
40 at the top. Sometimes, for the sake of lightness, I do not allow the metallic plate at D', to cover the whole surface of the heel, but merely have a projecting rim of sufficient width to receive the nails, or sprigs.

When a new sole is required, the old one may be readily removed from under the fore end of the metallic shank by forcing a suitable instrument in between the leather and the shank, and removing the old nails, or  
50 sprigs.

The cost of a pair of boots, or shoes, of this kind will be but little more than ordinary, and they may be repaired with much greater facility, and will be considerably  
55 more durable.

What I claim as constituting my invention, and desire to secure by Letters Patent, is—

The employment of a metallic shank extending along the instep and heel of boots and shoes, in place of the outsole of leather, said shank being formed and affixed substantially in the manner herein set forth.

ANSEL THAYER.

Witnesses:

THOS. P. JONES,  
GEORGE WEST.