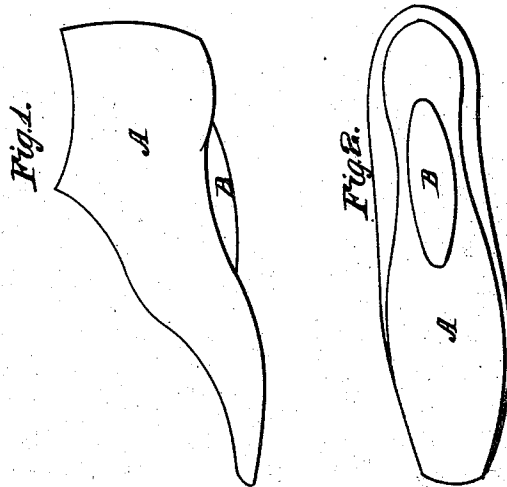
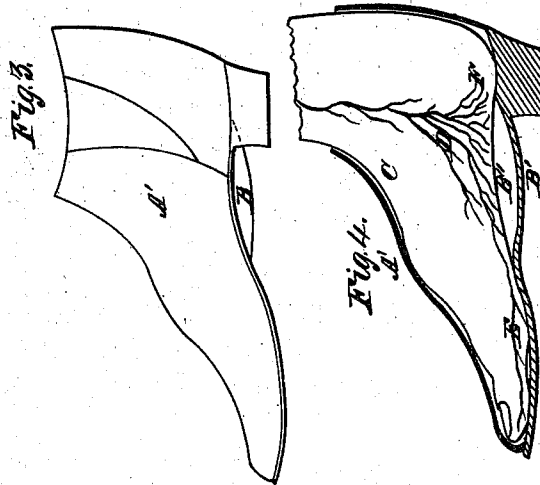


A. BURKE.  
BOOT OR SHOE.

No. 106,030.

Patented Aug. 2, 1870.



Witnesses:  
C. P. Dwyer  
C. H. Dwyer

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Andrew Burke

# United States Patent Office.

ANDREW BURKE, OF NEW YORK, N. Y.

Letters Patent No. 106,030, dated August 2, 1870.

## IMPROVEMENT IN BOOTS AND SHOES.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, ANDREW BURKE, of the city of New York, county and State of New York, have invented a new and useful Improvement in Boots, Shoes, and Lasts; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, in which—

Figure 1 is an elevation of a last, formed in accordance with my invention;

Figure 2 is a view of the under side of the same;

Figure 3 is a view of a shoe made according to my invention; and

Figure 4 is a section of the same, showing the position of the foot within the shoe.

The nature of my invention consists in providing a concavity or hollow in the insole of the boot or shoe, immediately under the arch or hollow of the foot, by which the concave surface of the arch of the foot is prevented from pressing against the insole of the boot or shoe, and the important nerves concentrated in the hollow of the foot are thus relieved from injurious pressure.

I make my last in the usual way, except the shank or hollow lying between the heel and the ball, which part I cause to project beyond the line of the heel and ball, so as to form a ridge, extending from immediately front of the heel, and terminating near the ball, as shown in figs. 1 and 2.

Upon the last I fasten the insole in the usual way, and shave it down immediately over the projection B, so that the outside sole will fit, and the external appearance of the boot or shoe, when finished, will not be materially different from those commonly worn; or

I may make the shoe upon a common last, having the insole composed of three or more pieces, the center piece, under the arch of the foot, being removable when the shoe is finished.

In fig. 1 the part A is similar to a common last.

The addition B is the modification involved in this invention. It is an oblong swelling projection, as seen in fig. 2, and may be made solid with the last, or it may be added by any ordinary means to lasts already in use.

Fig. 3 shows a shoe, A', made according to this invention, with the part B', forming the subject of this improvement, shown on a somewhat exaggerated scale.

Fig. 4 shows the position of the human foot within a shoe constructed according to this invention, in which—

O is the foot;

E is the "ball" of the foot;

B", the hollow under the arch;

F, the heel; and

D shows the net-work of important nerves concentrated in the hollow of the foot.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The projecting piece or portion B of the last, as and for the purpose herein set forth.

2. The concavity or hollow B" in the boot or shoe, as and for the purpose herein set forth.

ANDREW BURKE.

Witnesses:

C. P. DWYER,

C. H. DWYER.