

(No Model.)

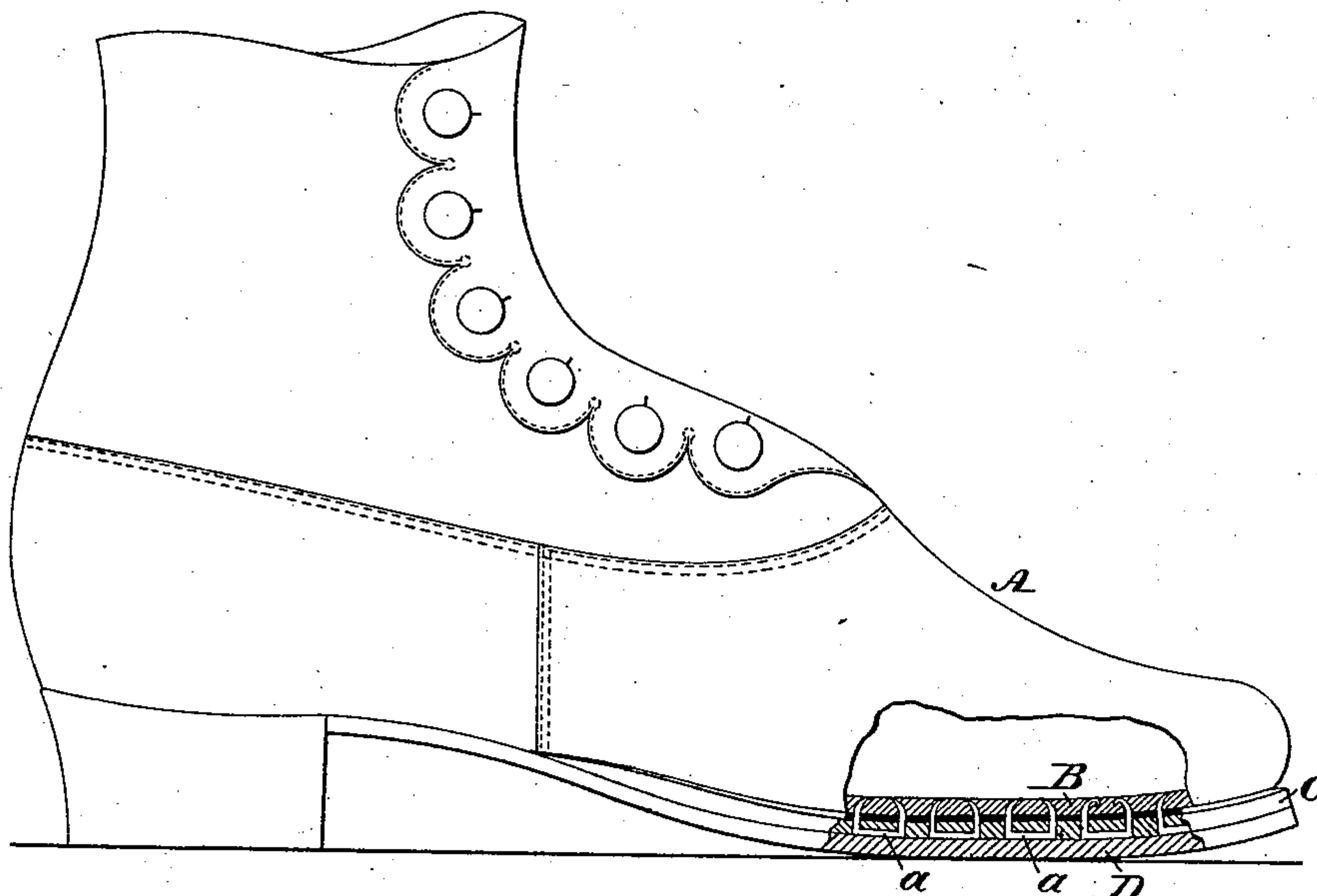
E. H. BUCKLEY.

MANUFACTURE OF BOOTS AND SHOES.

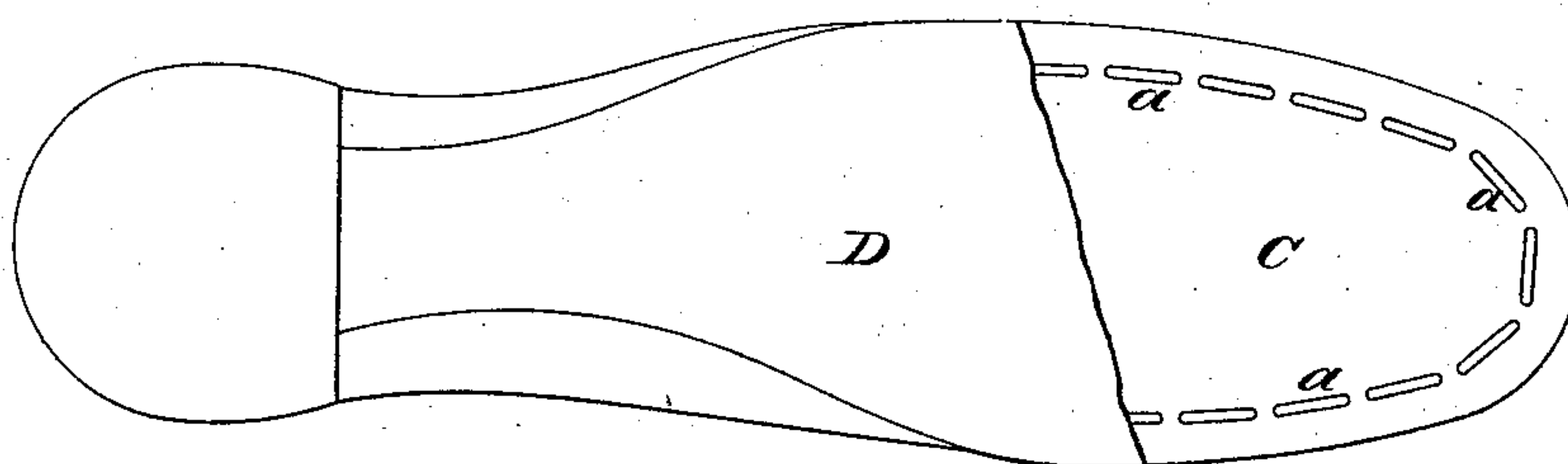
No. 289,808.

Patented Dec. 11, 1883.

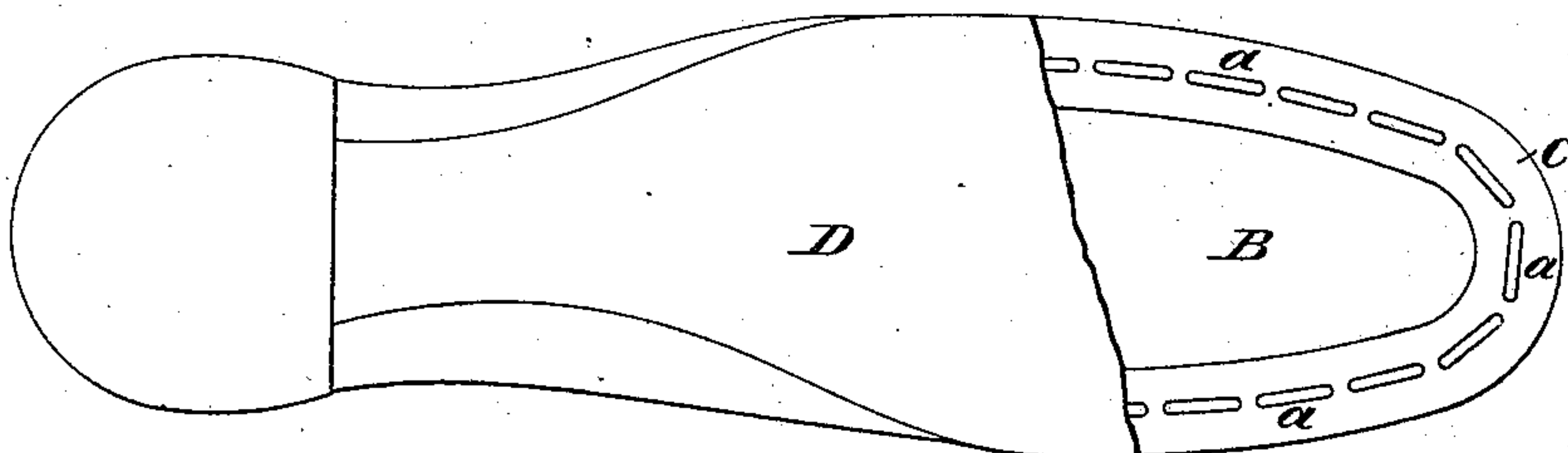
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

*A. P. Grant,*  
*W. F. Kircher*

INVENTOR:  
*Edward H. Buckley,*  
BY *John A. Diederich* ATTORNEY.

# UNITED STATES PATENT OFFICE.

EDWARD H. BUCKLEY, OF PHILADELPHIA, PENNSYLVANIA.

## MANUFACTURE OF BOOTS AND SHOES.

SPECIFICATION forming part of Letters Patent No. 289,808, dated December 11, 1883.

Application filed January 26, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD H. BUCKLEY, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in the Manufacture of Boots and Shoes, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a side elevation, partly sectional, of a shoe embodying my invention. Fig. 2 is a bottom view thereof. Fig. 3 is a bottom view of a welt-shoe to which my invention is applied.

Similar letters of reference indicate corresponding parts in the several figures.

My invention relates to improvements in boots and shoes in which metallic fastenings are employed for connecting the sole and upper; and it consists in securing the slip-sole or welt to the upper by means of staples, which are driven through said slip-sole or welt and clinched on the inside of the boot or shoe, the outer sole being afterward applied and covering the crowns or heads of the staples, thus forming an inner metallic seam which is covered by the outer sole, and producing a strong, durable, serviceable boot or shoe, as will be hereinafter fully set forth.

Referring to the drawings, A represents the upper, B the inner sole, C the slip-sole, and D the outer sole, of a shoe, the edge of the upper being inserted between the inner sole and slip-sole, as usual. The upper and slip-sole are connected by means of metallic staples *a*, which are driven from the outside of the slip-sole C and clinched on the inside of the inner sole, B. After the upper and slip-sole are connected, I apply and secure the outer sole to the slip-sole and otherwise finish the shoe as de-

sired. It will be seen that the upper and slip-sole are firmly connected by the staples or metallic fastenings, and the staple-legs, being short or of short leverage and securely clinched, are not liable to be withdrawn by any severe motions or service to which the shoe may be subjected. Again, the staples are not liable to rot, similar to thread, and as their legs and heads or crowns are embedded in leather or material of the shoe they are removed from the action of water when the shoe is worn. Furthermore, the heads or crowns are covered by the outer sole, whereby a metallic surface is not exposed and the staples are prevented from wearing out by contact with the ground or pavement.

In Fig. 3 I show a welt in lieu of the slip-sole, which is fastened to the upper, similar to said slip-sole, one being the equivalent of the other.

It is evident that the invention is equally applicable to boots, gaiters, slippers, &c.

I am aware that it is not new to connect soles of boots and shoes with the uppers by staples passed through the outer soles, and therefore do not claim the same; but,

Having fully described the nature, construction, and advantages of my invention, what I do claim as new, and desire to secure by Letters Patent, is—

A boot or shoe having the upper and slip-sole or welt connected by staples forming a metallic inseam, and the outer sole secured to said slip-sole or welt by independent fastenings, substantially as and for the purpose set forth.

EDWARD H. BUCKLEY.

Witnesses:

JOHN A. WIEDERSHEIM,  
A. P. GRANT.