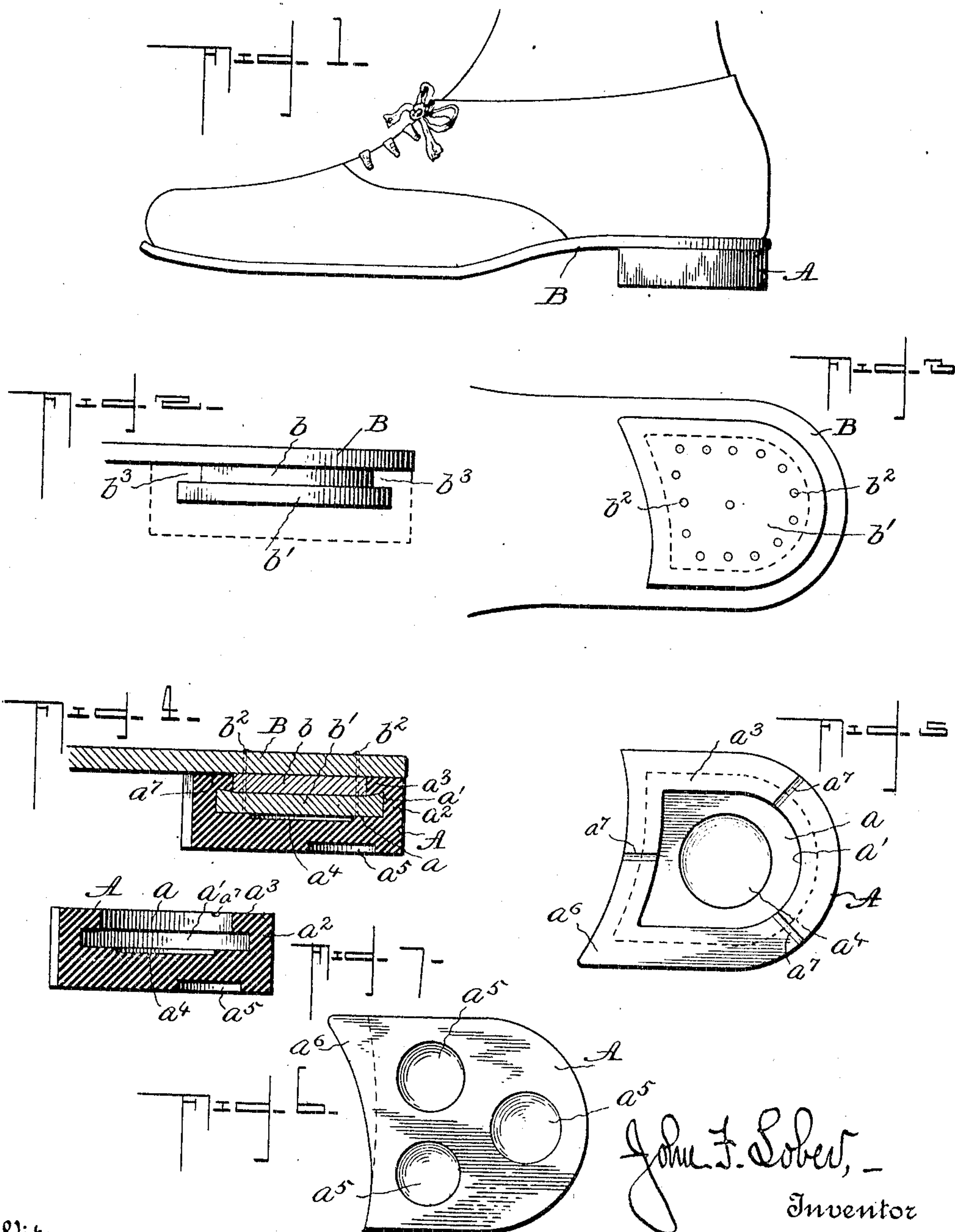


No. 844,882.

PATENTED FEB. 19, 1907.

J. F. LOBER.
HEEL FOR BOOTS AND SHOES.
APPLICATION FILED SEPT. 28, 1906.



Witnesses
R. J. Deall.
S. E. Thomas.

John F. Lober,
Inventor
By John B. Thomas
Attorneys

UNITED STATES PATENT OFFICE.

JOHN F. LOBER, OF PITTSBURG, PENNSYLVANIA.

HEEL FOR BOOTS AND SHOES

No. 844,882.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed September 28, 1905. Serial No. 280,555.

To all whom it may concern:

Be it known that I, JOHN F. LOBER, a citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a Heel for Boots and Shoes, of which the following is a specification.

This invention relates to heels for boots and shoes, and more especially to the class of rubber heels.

The principal objects of this invention are to provide a rubber heel for boots and shoes which can be readily and securely attached to the boot or shoe without the employment of extraneous fastening devices, which shall fit snugly to the boot or shoe and present a neat appearance when applied, and which shall produce the resiliency usually required of a heel of this character.

Other objects and advantages of the invention will hereinafter appear, and what I claim as novel will be hereinafter more specifically set forth in the appended claim.

In the accompanying drawings, which form a part of this specification, Figure 1 is a side elevation showing the application of my invention to a shoe. Fig. 2 is a detail view, enlarged, illustrating the false heel by which the rubber heel is attached. Fig. 3 is a bottom plan view of Fig. 2. Fig. 4 is a longitudinal sectional view showing the application of the rubber heel. Fig. 5 is a top plan view of the rubber heel. Fig. 6 is a bottom plan view of same. Fig. 7 is a sectional view of the rubber heel.

Like letters and numerals of reference indicate like parts in all the views of the drawings.

In carrying out my invention I make up or mold my improved heel entirely of rubber and in the form of a block of the size and shape to correspond with the usual leather heel, with the exception that in some instances I provide an extension at one of the inner corners, which extension will be hereinafter particularly referred to.

The rubber heel or block A has formed in its upper side a cavity a , and the lower part of this cavity is extended at its sides to produce an internal annular recess a' , the said cavity a and annular recess a' or walls thereof extending parallel with the periphery or sides of the heel. (See Fig. 5.) The annular recess a' is rectangular in shape and provides a wall a^3 between the inner end of said recess

and outer edge of the heel, as well as a wall a^1 between the upper part of said recess and top of the heel, the latter wall extending inwardly only a short distance, as shown.

In the bottom of the cavity I provide a depression a^4 , and in the under side or tread-surface of the rubber heel are several recesses or cavities a^5 .

For the purpose of overcoming the habit which a great many people have of wearing the heel at one side more than the other I provide one of the inner corners of my improved rubber heel with an extension a^6 , which is formed at that side of the heel that usually receives the greatest wear—in some instances at the inner side of the shoe and in other instances at the outer side thereof. This extension a^6 acts to throw the weight of the person toward the other side of the heel and will gradually train the wearer to walk squarely on the heel and sole of the shoe. The rubber heel is also furnished in the usual shape—that is, approximately straight across at the inner end, as indicated in dotted lines in Fig. 6.

To provide for attaching my improved rubber heel to the boot or shoe, the rear part of the sole B thereof is provided with a false heel comprising the leather pieces b and b' , which are secured in place by means of nails b^2 or other fastening devices. These leather pieces are of such size relative to the cavity a and recess a' of the rubber heel as to fit snugly therein—that is to say, the strip or piece b' extends beyond the strip or piece b all around, so that such projecting portion of the strip b' will enter the annular recess a' , while the strip b lies within the upper part of the cavity a between the walls a^3 . The projecting portion of the strip b' is beveled at its upper surface, (see Fig. 4,) whereby the strips b and b' in conjunction with the sole B of the shoe will form an annular dovetailed recess, as b^3 , and said dovetailed recess receiving the wall a^3 of the rubber heel will act to clamp the same, and thereby firmly lock the rubber heel to the false heel.

In applying the rubber heel it is placed over the false heel on the shoe, and by pulling upon the same at one side, preferably at the point a^6 , it will give or stretch sufficiently, so that it may be sprung over the projecting portion of the strip b' and so that the inwardly-projecting wall a^3 will enter the annular recess b^3 . When applied and in use, the depression a^4 in the bottom of the cavity will

provide an air-space or cushion, while the cavities in the under side or bottom of the heel will provide an easier tread.

It will be understood that the heel may be readily applied to an ordinary shoe by simply removing the usual leather heel and attaching the leather pieces or strips *b* and *b'*; also, that when worn the rubber heel may be easily removed and a new pair substituted, or if worn on one side they may be reversed by application to the other shoe.

To permit ingress and egress of air, the upper surface of the rubber heel is provided with grooves *a'*.

Having thus described my invention, I claim—

In a heel for boots and shoes, the combination, of a false heel comprising a leather piece *b* attached to the sole of the shoe and a larger leather piece *b'* attached to the aforesaid piece to project beyond the edges thereof

all around and flared upward beyond the same to provide an annular dovetailed recess *b³*, and a removable rubber heel adapted to engage the false heel and therefore provided in its upper side with an opening *a*, cavity *a'*, and an inwardly-projecting flange *a³*, the latter being substantially rectangular in cross-section and adapted to take into the dovetailed recess and so that the flared edge of the piece *b'* will bind against the inner portion thereof, said rubber heel being further provided with a cavity below the false heel; all as herein shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN F. LOBER.

Witnesses:

HAZEL NORDEMAN,
HORACE S. BEALL.