

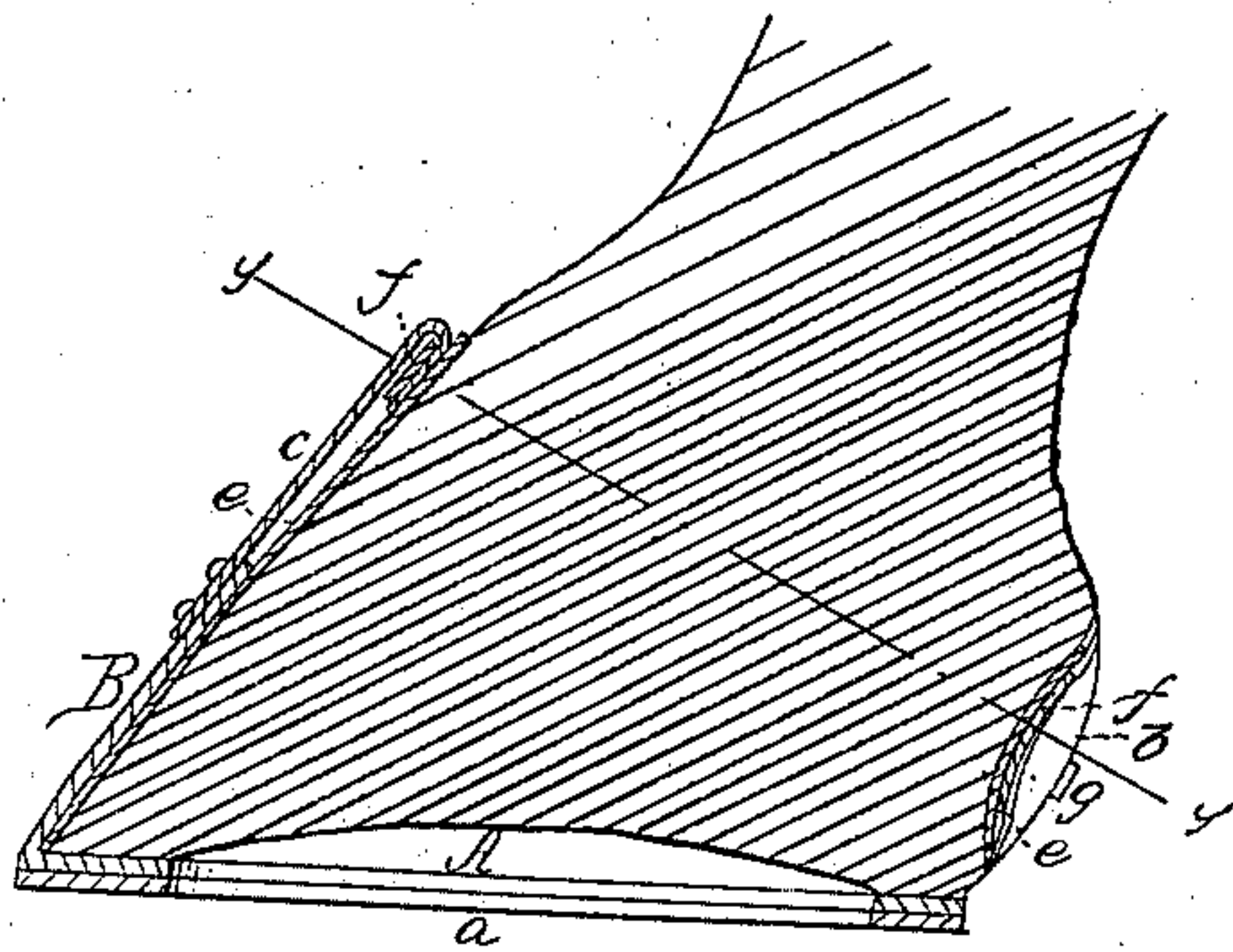
*A. S. Wilkinson,*

*Horseshoe.*

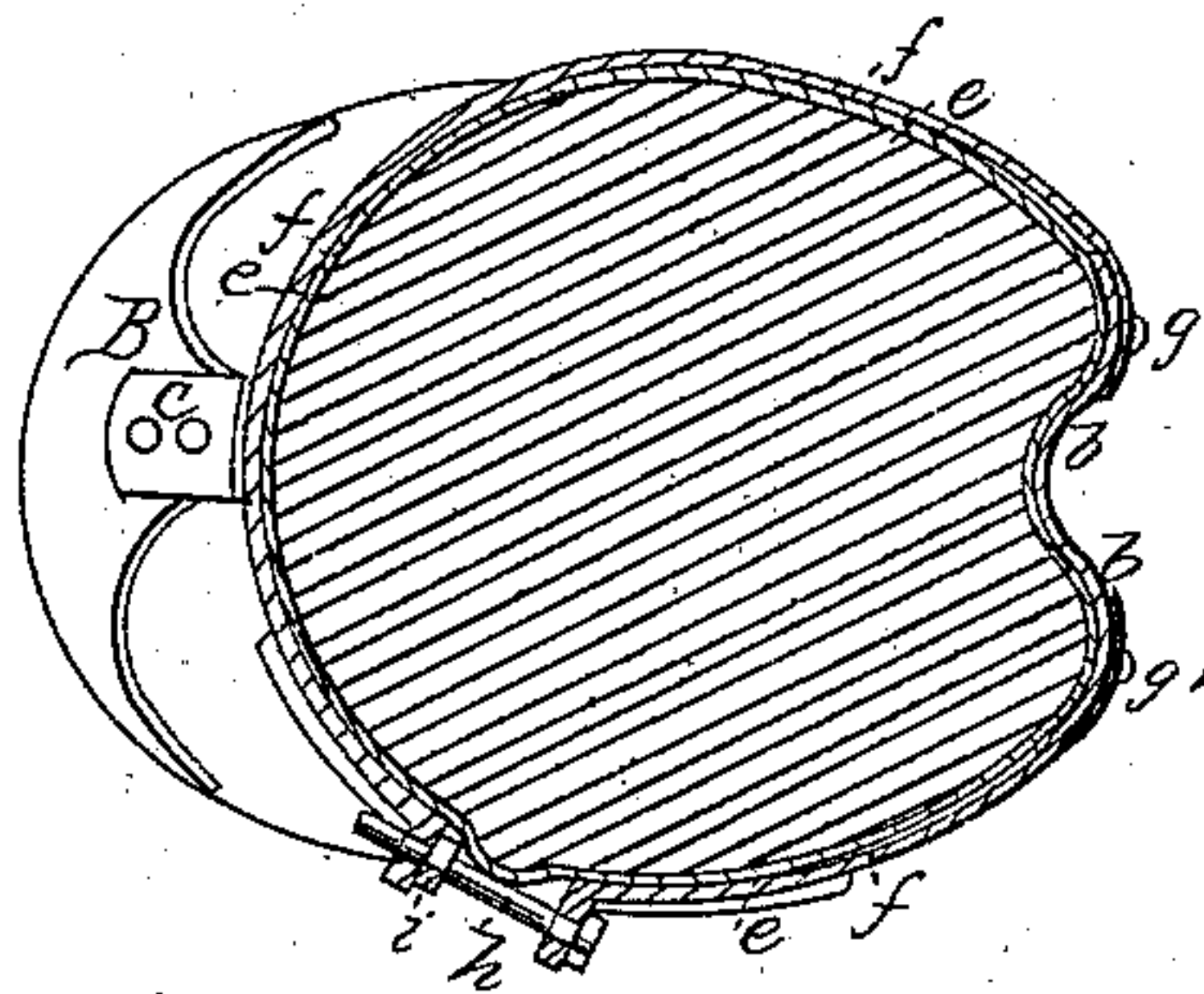
*N<sup>o</sup> 57,029.*

*Patented Aug. 7, 1866.*

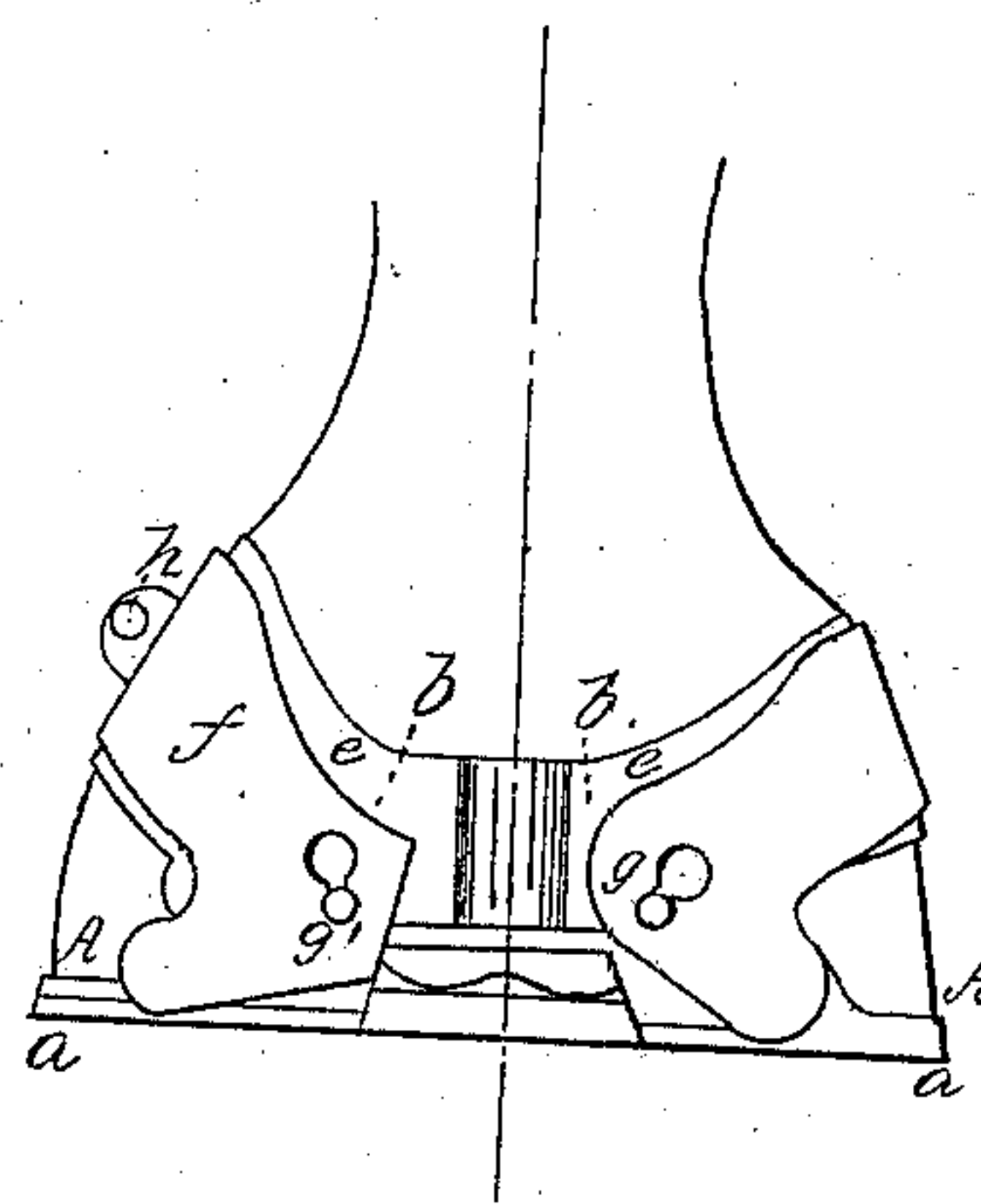
*Fig: 1*



*Fig: 2*



*Fig: 3*



*Inventor.*

*A. S. Wilkinson*

*By Munnob*

*Attorneys*

*Witnesses:*  
*James L. Ewin*  
*Charles A. Pettit*



# UNITED STATES PATENT OFFICE.

ALBERT S. WILKINSON, OF PAWTUCKET, RHODE ISLAND.

## IMPROVEMENT IN HORSESHOES.

Specification forming part of Letters Patent No. 57,029, dated August 7, 1866.

*To all whom it may concern:*

Be it known that I, ALBERT S. WILKINSON, of Pawtucket, Providence county, State of Rhode Island, have invented new and useful Improvements in Double Shoes for Horses and other Animals; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figures 1, 2, and 3 are different views of my invention. Fig. 1 is a vertical longitudinal section taken in the line *x x*, Fig. 3. Fig. 2 is a horizontal section taken in the line *y y*, Fig. 1. Fig. 3 is a rear view of Figs. 1 and 2.

Similar letters of reference indicate like parts.

Retaining clamps and bands for securing shoes to the feet of horses and other animals in an adjustable manner and without the use of nails, &c., are for many reasons very convenient and desirable, but, as ordinarily constructed, such shoes have been too costly to be very extensively used, for the reason that when they become worn out the whole shoe has necessarily been condemned, while the cheapest portion of the shoe has only worn out and the expensive portion was yet good and unworn.

The object of this invention is to provide an adjustable or detachable shoe of such construction that it is no more expensive than the ordinary kind of horseshoe.

My invention consists in certain improvements in details of the same, as hereinafter fully set forth.

Having described the nature of my invention, I will proceed to describe its construction and operation.

A *a*, Figs. 1 and 2, in the drawings is a double shoe. B is a high and wide toe-clip attached to the upper shoe, A; and *b b*, Figs. 1, 2, and 3, are curved heel-clips, which are constructed in one piece, as shown by *b b*, Fig. 3, and are also secured rigidly to the upper plate, A. These clips *b b* are elevated above the line of wear, as shown by rear view of *b b*, Fig. 3. *f f* is a metallic clamping or retaining band for holding the shoe to the foot, and is attached

to the shoe in an adjustable manner by buttoning the ends of the band onto studs or buttons *g g* on the heel-clips; the band passing from one heel-clip around over the front of the hoof and back to the opposite heel-clip, the front of the shoe or toe-clip B making connection with the band *f*, at the front of the hoof, by means of a loop, *c*, which engages with the bight of the band *f*; the lower end of the loop *c* being secured to the toe-clip. The band *f* is provided with a clamping-screw, *n*, Figs. 2 and 3, for tightening the band and bringing it to its proper bearing on the hoof, the band being severed at this point and connected by said clamping-screw, which engages with lugs on the band at either side of the cut. The screw *n*, Fig. 3, is provided with a jam-nut, *i*, to secure the screw *h* in any position in which it is placed beyond the liability of accidental displacement.

To prevent abrasion of the hoof, and to aid the band *f* and clips to make an easy and correct fit, a padding, *e e*, of rubber is placed between the hoof and the shoe by being attached to the inside of said band and clips as a lining, in any suitable manner or otherwise.

In Fig. 1 the expansion of the heel is favored by the retaining-band being placed well up on the heel, and also by allowing the heel to fit loosely in the clip that is occupied by the heel that moves laterally in the shoe.

In cases of weak feet, which require a shoe to prevent expansion of the foot, (such as sand-cracks, split hoof, seedy toe, &c.,) the shoe, as shown in Fig. 1, may be made to fit the foot so as to prevent expansion, and the horse kept at moderate healthful work while the cure of the disease is going on.

The detachable method of securing the sustaining-bands to the shoes facilitates their adjustment to the foot or their removal, and also facilitates repairing of shoe, &c. In this shoe the false plate *a*, which is cheaply renewed, takes all the wear, and when worn out is readily replaced, so that the other parts have great practical durability. The false plate *a* may be secured to the shoe in any suitable manner.

The upper plate, A, in this shoe is made of steel, while the lower plate is made of iron. The use of steel in the upper or permanent

part of the shoe admits of the various parts, such as the clips, which are a part of A, being made lighter than if made of iron.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the double shoes A *a*, toe-clip B, with its loop *c*, curved heel-clips *b b*, with buttons *g g*, clamping-bands *f f*, clamping-screw *h*, all constructed as described, and operating in the manner and for the purpose herein represented and described.

2. The jam-nut *i*, Fig. 2, in combination with the clamping or retaining band *f*, and clamping screw or bolt *h*, substantially in the manner and for the purpose described.

3. The rubber padding *e e*, in combination with the heel-clips *b b* and toe-clip B, substantially in the manner and for the purpose described.

ALBERT S. WILKINSON.

Witnesses:

W. W. BLODGETT,  
WILLIAM W. READ.