

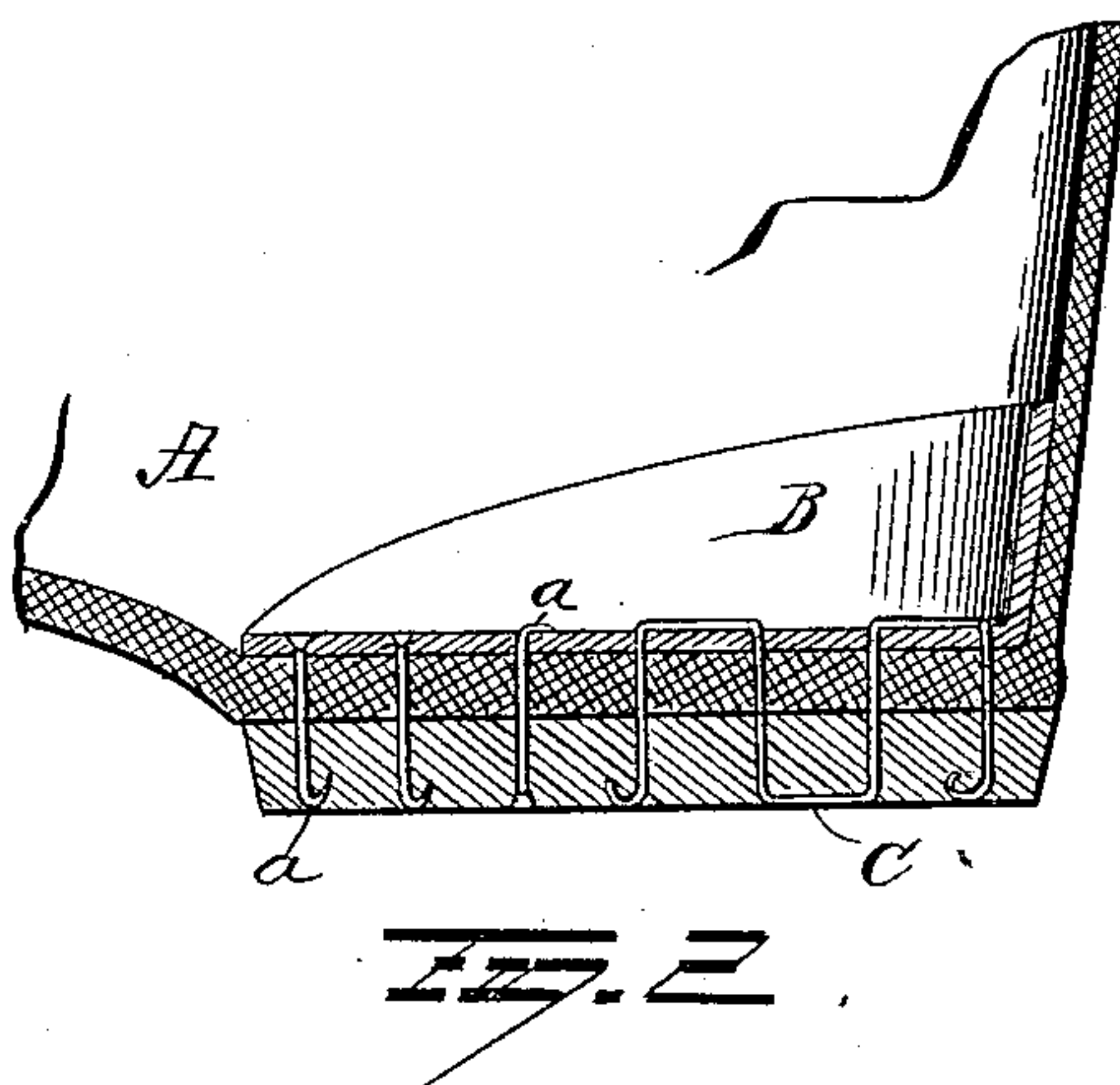
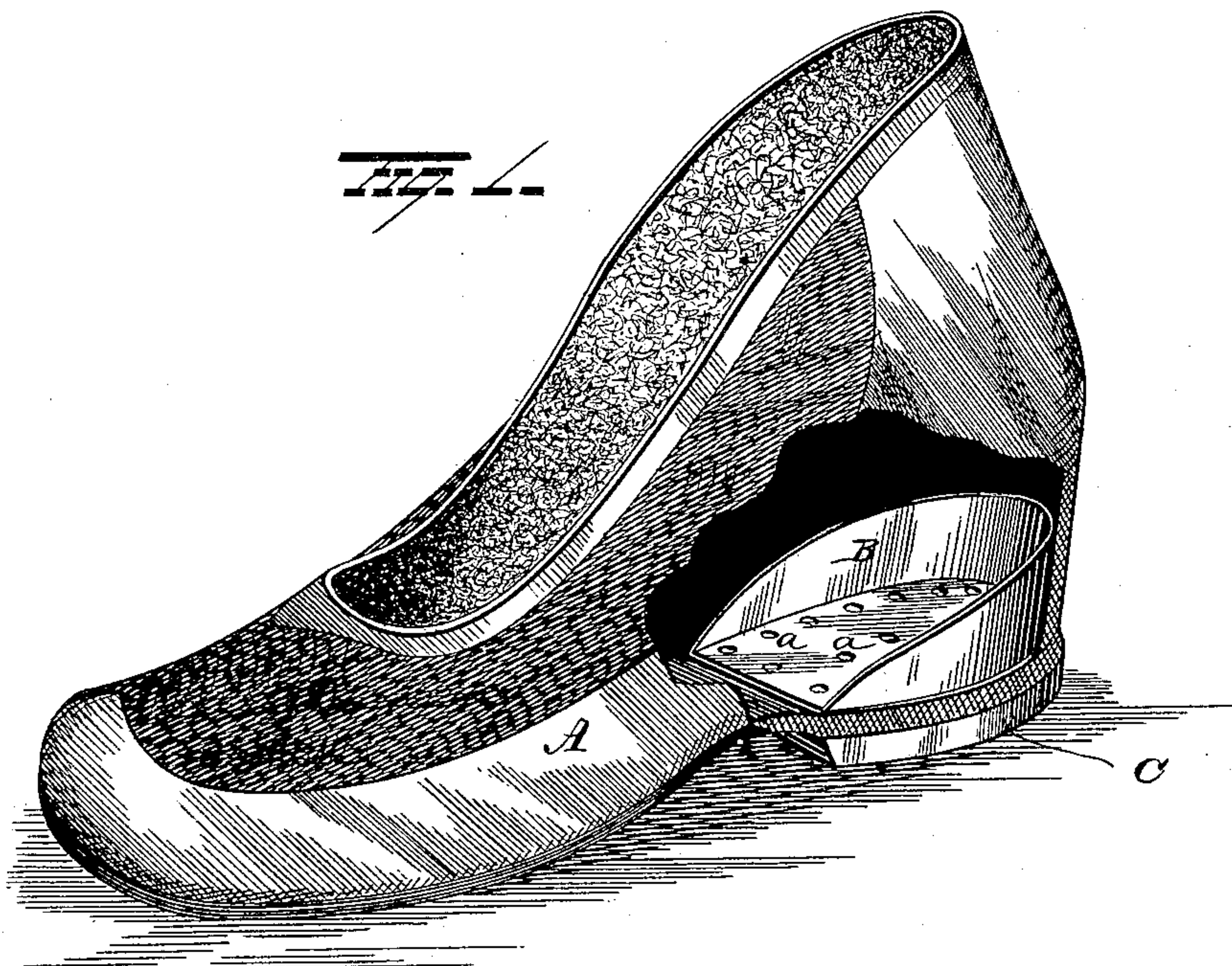
(No Model.)

J. L. MACILVAINE.

HEEL FOR OVERSHOES.

No. 368,479.

Patented Aug. 16, 1887.



Witnesses  
G. P. Downing  
S. G. Nottingham

Inventor  
J. L. MacIlvaine.  
By his Attorney  
H. A. Symmons



# UNITED STATES PATENT OFFICE.

JOHN L. MACILVAINE, OF WEST NEW BRIGHTON, NEW YORK.

## HEEL FOR OVERSHOES.

SPECIFICATION forming part of Letters Patent No. 368,479, dated August 16, 1887.

Application filed June 30, 1887. Serial No. 242,975. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN LAWRENCE MACILVAINE, of West New Brighton, in the county of Richmond and State of New York, have invented certain new and useful Improvements in Re-enforce Heels for Overshoes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in overshoes, the object being to provide a means of preventing the speedy destruction of the heels of such shoes, to which they are liable, owing to the comparatively soft and unsubstantial material of which they are usually manufactured.

A further object is to furnish an appliance for an ordinary rubber overshoe that will, when in position, stiffen the heel, while it also affords a support for an applied outer heel of leather, which latter may be removed, if desired, when it is worn out. With these objects in view my invention consists in certain novel attachments to a rubber overshoe, that will be hereinafter described.

In the drawings that illustrate my invention; and that are annexed to the specification as a part of the same, Figure 1 is a side elevation of a rubber overshoe in section through its center, showing my improvement in position as attached thereto. Fig. 2 is a longitudinal section through the heel.

Ordinary overshoes are made of vulcanized rubber, either wholly or in part. In the latter case the upper surface can be constructed of cloth or other proper material to ventilate the foot.

As usually manufactured rubber overshoes are provided with heels of the same material as the soles, they being simply a composition of rubber, or rubber and cloth fabric, which is molded into shape integral with the other portion of the shoe that is made of the elastic material. Owing to the unsubstantial nature of the material used for the soles and heels of rubber overshoes, the heels are soon cut through at their rear edge and shoes thus rendered worthless that are otherwise in good condition. I have devised a cheap and simple appliance which may be secured to over-

shoes when they are manufactured, or the device may be afterward attached to them, which, when in place, will effectually obviate the rapid wear of the heels to which they are applied. I will proceed to give a detailed description of this improvement.

A represents an ordinary rubber overshoe, its heel being recessed inside to accommodate the heel of a boot or shoe and measurably fit it when the overshoe is put upon this leather shoe or boot to protect it from dampness. The thin metal shell B is stamped or otherwise given the exact shape of the interior surface of the heel of shoe A, so that when it is inserted into place it will conform to and afford a stiffening-plate to the heel to prevent it from losing shape, and further prevent the uneven wear of the interior surface of the heel of the gum shoe that is frequently produced by the contact of an irregularly-worn leather heel. The most important function of the metal shell B is to afford a reliable means of riveting or otherwise similarly securing the re-enforce heel lift or plate C. The re-enforce heel-plate C is made of leather, metal, rubber, or any material that will afford a durable wearing-surface, and preferably such a material as will not wear smooth or glassy, so as to avoid slipping when in use.

The metal shell B is perforated at spaced intervals, a suitable number of small holes being made through it to receive rivets of metal wire or small clinch-nails *a a* and *c*, that also penetrate the re-enforce heel-plate C. These rivets, being firmly clinched, hold the outside re-enforce heel, C, securely fastened to the integral rubber heel of the overshoe A, thus producing a neat, durable false heel, that may be removed as often as may be desired to wear out the entire shoe.

If gum overshoes are manufactured to utilize my improved style of heel, it may be considered advisable to form a shallow recess on the outside surface of the integral or rubber heel of the overshoes to receive the applied re-enforce heel C, and in this manner produce a neat finish where they join. I do not, therefore, wish to limit the construction of my improved heel for overshoes to the exact forms shown, but desire such latitude as falls within the legitimate scope of my invention.

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

1. The combination, with an overshoe, of a  
5 metal rivet-plate placed on the interior of the shoe, and a re-enforce heel secured by rivets clinched to the rivet-plate, substantially as set forth.

2. The combination, with an overshoe, of an  
10 inner thin metal plate that conforms in shape to the heel of the shoe, and is provided with

perforations adapted to receive rivets, and a re-enforce heel secured to the shoe by rivets that penetrate it as well as the integral heel and the rivet-plate, substantially as set forth. 15

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

J. L. MACILVAINE.

Witnesses:

CHAS. H. MORRELL,  
ADOLPH LUTHY.