

(No Model.)

J. L. THOMSON.

TOE PIECE FOR THE HEELS OF RUBBER SHOES.

No. 259,781.

Patented June 20, 1882.

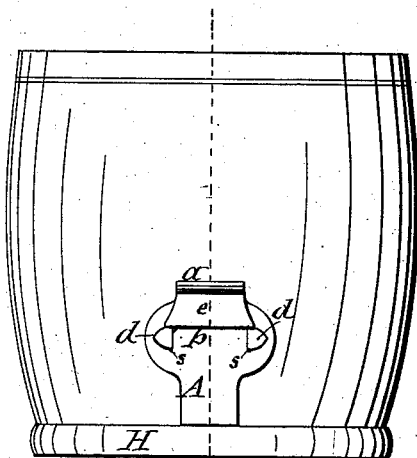


FIG 1-

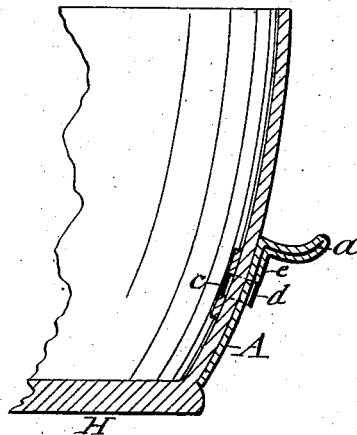


FIG 2-

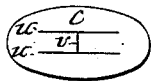


FIG 5-

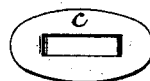


FIG 3-



FIG 6-

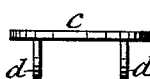


FIG 4-

WITNESSES =

Wm. S. Raymond  
G. Bendixon

INVENTOR =

Judson L. Thomson  
per Drull, Lassett & Co.  
his Atty

# UNITED STATES PATENT OFFICE.

JUDSON L. THOMSON, OF SYRACUSE, NEW YORK.

## TOE-PIECE FOR THE HEELS OF RUBBER SHOES.

SPECIFICATION forming part of Letters Patent No. 259,781, dated June 20, 1882.

Application filed March 21, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JUDSON L. THOMSON, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Toe-Pieces for the Heels of Rubber Shoes, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to an improved device applied to the heel or counter of a rubber shoe to serve as a shoulder, or so-called "toe-piece," for the application of the toe in removing the rubber shoe from the boot.

The invention is fully illustrated in the annexed drawings, wherein Figure 1 is a view of the rear of a rubber shoe with my invention applied. Fig. 2 is a vertical transverse section of the same. Figs. 3 and 4 are plan and side views respectively of the clip by means of which the toe-piece is attached, and Figs. 5 and 6 are plan and side views of the plate from which said attaching-clip is formed.

Similar letters of reference indicate corresponding parts.

A represents the toe-piece, consisting of a metal plate formed with an outward bend or projection, *a*, at its upper end and with a lateral enlargement, *b*, under said projection, in which enlarged portion the plate is provided with two vertical slots, *s s*. Said plate is secured to the back of a rubber shoe by setting the base of the plate onto the usual projection of the back of the heel *H* proper and placing on the inner side of the counter of the shoe a metal plate or washer, *c*, provided with two spurs, *d d*, which pass through the counter and through the slots *s s* of the plate *A* and are bent over and clinched upon said plate, as shown. The washer *c*, with its spurs *d*, I form by cutting in an oval-shaped piece, of sheet metal, two longitudinal slits, *u u*, and a central transverse slit, *v*, extending across the portion lying between the slits *u u*, as shown in Fig. 5 of the drawings, and then bending said severed intermediate portions at right angles from the plane of the plate, as illustrated in Fig. 4 of the drawings, said bent portions constituting the spurs or clinches *d d*.

The projection *a* of the plate *A*, I make concavo-convex, with the convexity at the under side, the concave top of the plate affording a better hold for the toe in the operation of removing the rubber shoe from the foot, and the convex bottom of the plate obviating the danger of catching on the step and tripping the wearer of the rubber shoe in descending said steps.

In order to brace the projection *a*, I form the same of an extension of the plate *A* of such a length as to allow it to be bent back from the end of said projection along the under side thereof, and thence down on the face of the plate *A*, and terminating at the upper end of the slots, so as to bring the end *e* of said extension to rest against the plate *A* and clinches *d d* protruding through said slots, thus effectually stiffening and supporting the projection *a*.

It is obvious that my described improved metal toe-piece is far more durable and also more easily and cheaply attached than the usual rubber toe-piece hitherto used.

Having described my invention, what I claim is—

1. The plate *A*, formed with the projection *a* at its upper end, and provided with the vertical slots *s s*, and having its base adapted to rest on the heel of the shoe, and the washer *c*, provided with clinches *d d*, all combined and adapted to be applied to the shoe, substantially in the manner described and shown.

2. The plate *A*, having its extension *a* adapted to rest upon the clinches *d d* when in place upon the shoe, substantially as described and shown, for the purpose set forth.

In testimony whereof I have signed my name and affixed my seal, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 24th day of February, 1882.

JUDSON L. THOMSON. [L. s.]

Witnesses:

C. H. DUELL,  
WM. C. RAYMOND.