

J. Norburn.

Boot and Shoe Heel.

Nº 97,681.

Patented Dec. 7, 1869.

Fig 1.

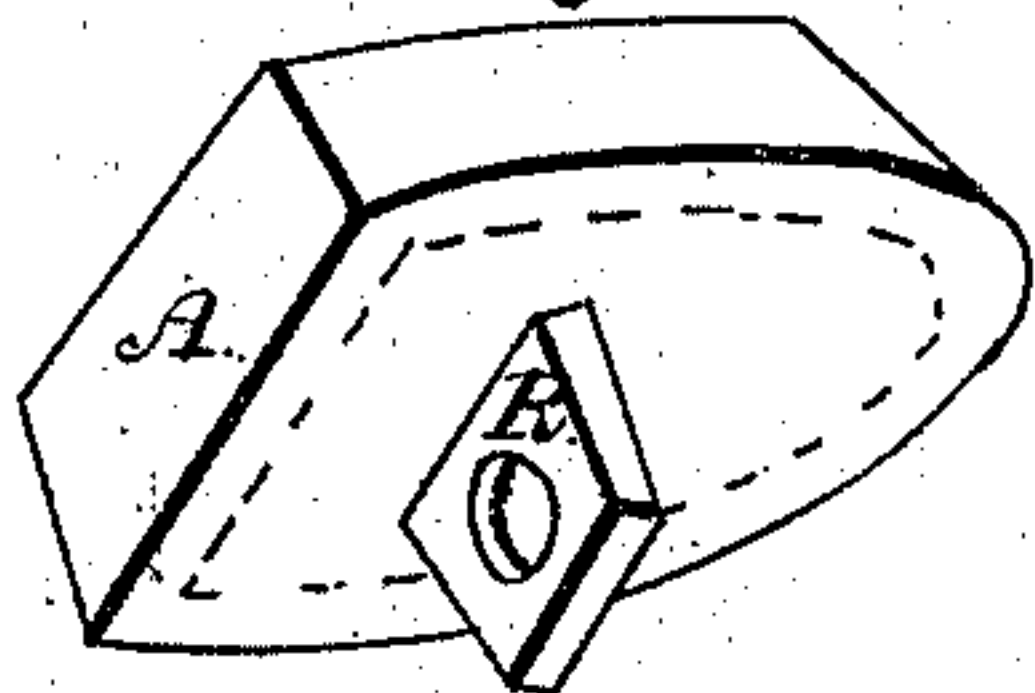


Fig 4.

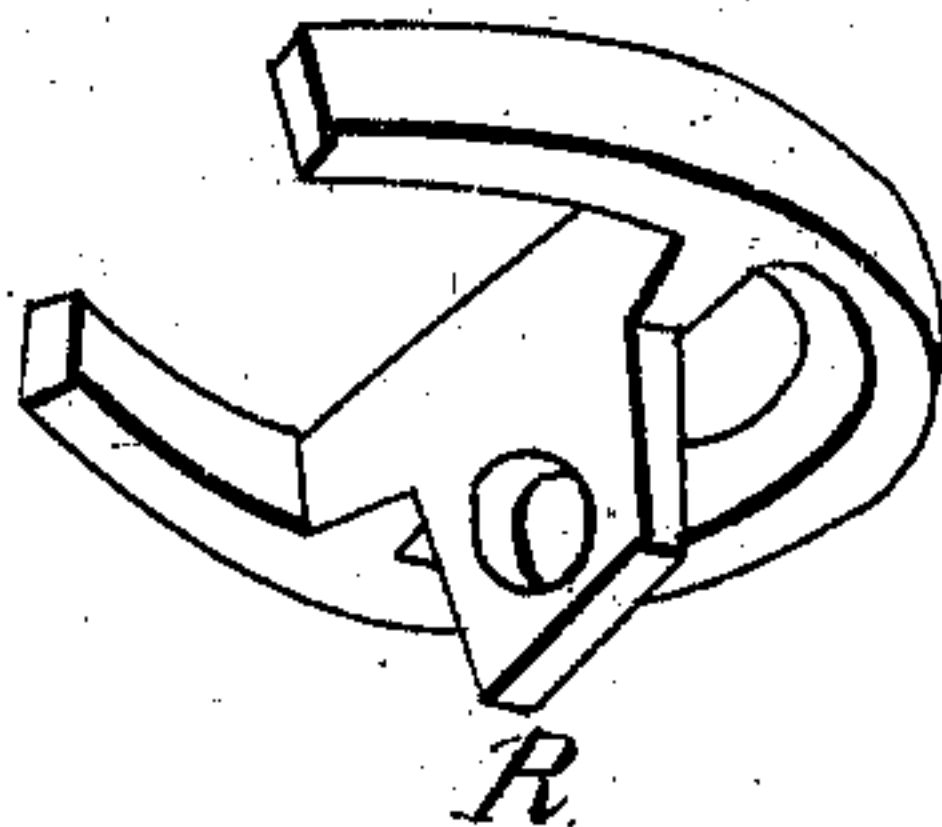


Fig 2.

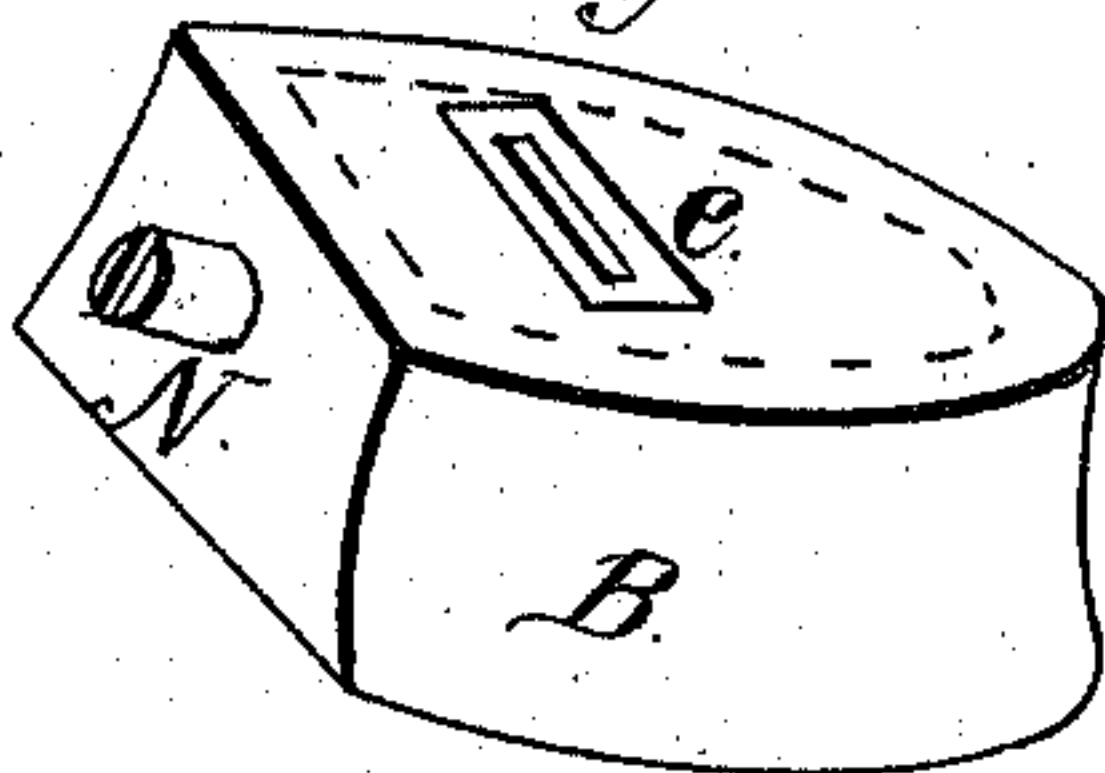


Fig 5.

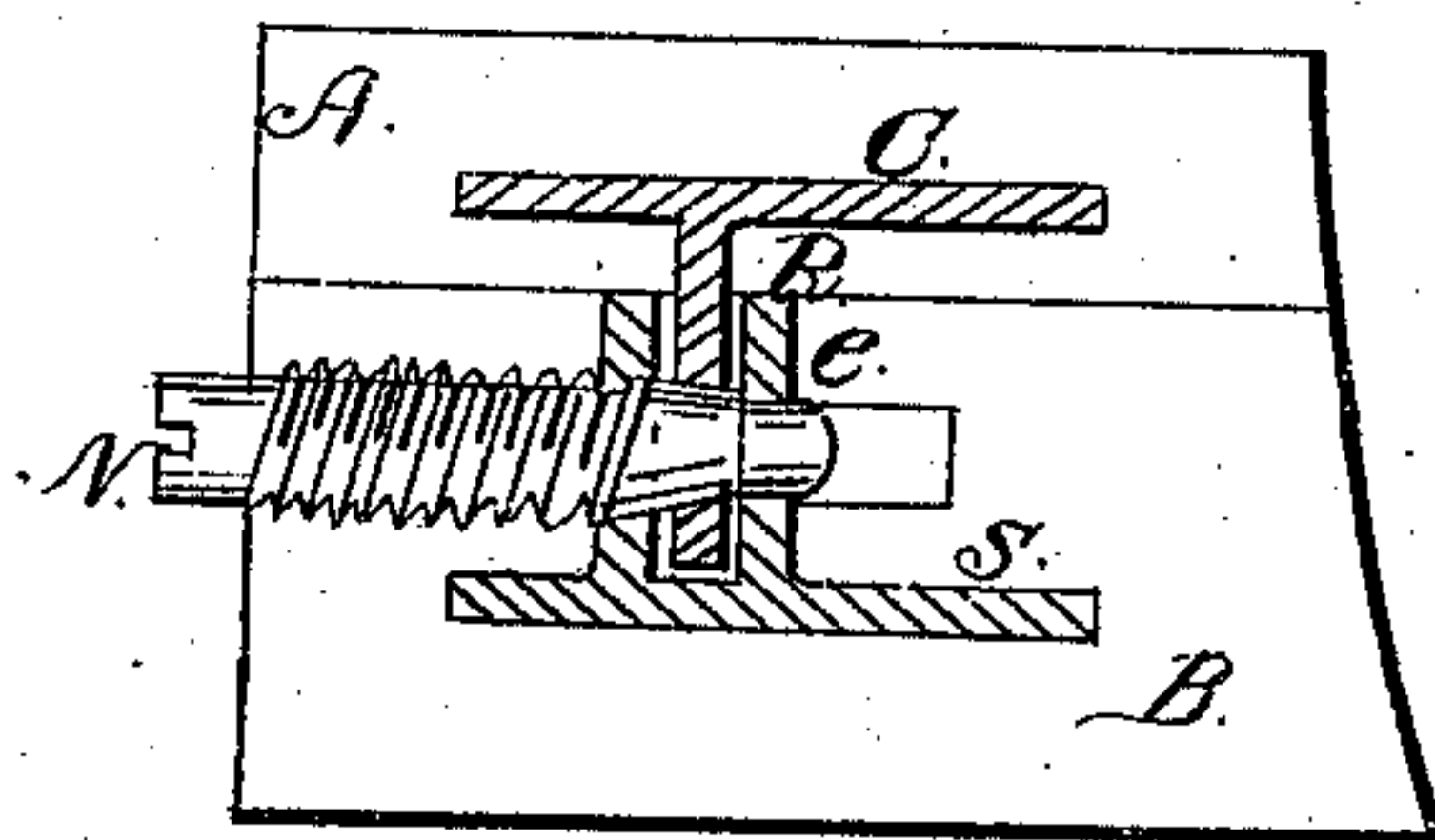
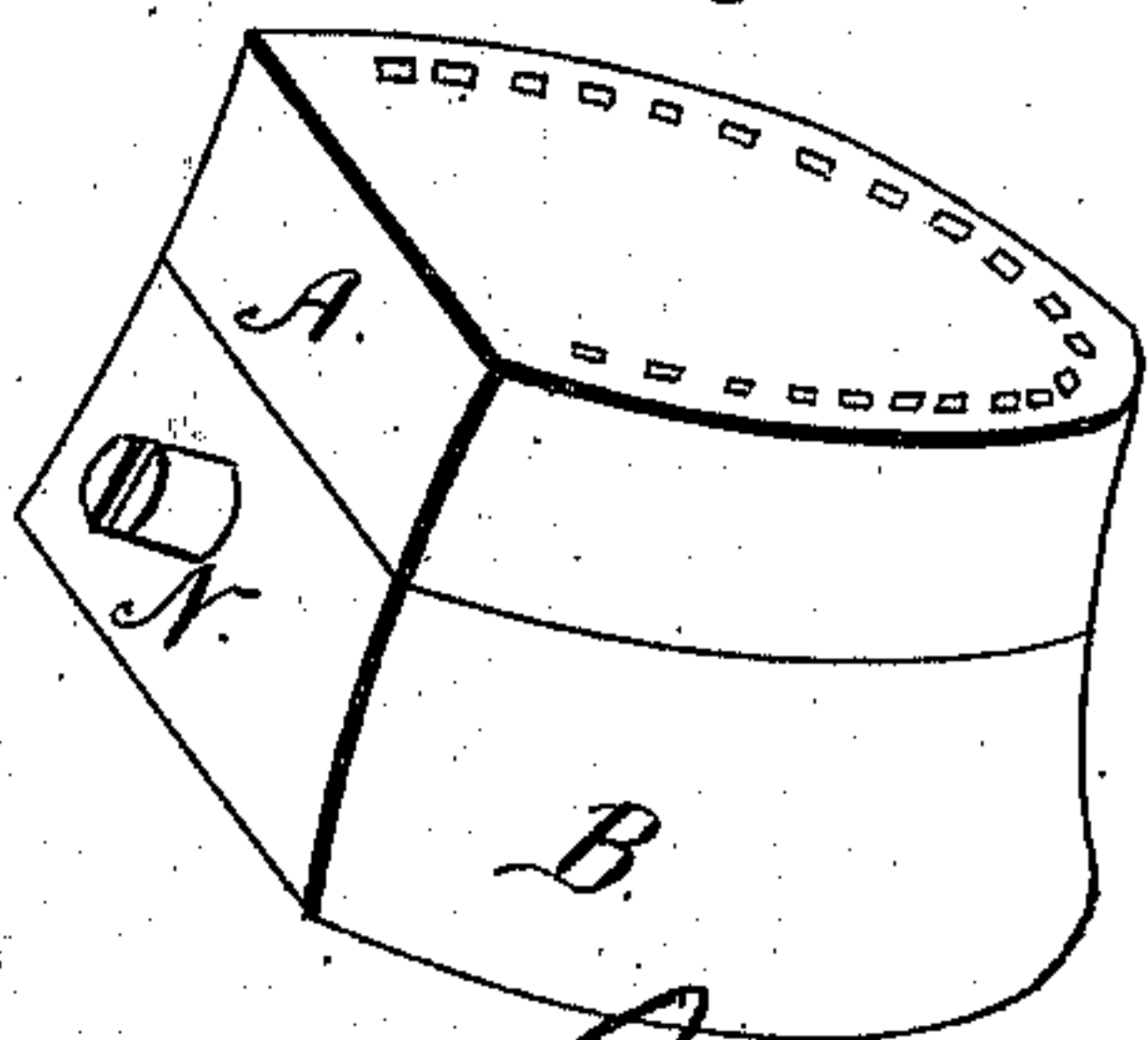


Fig 3.



Witnesses:
Josiah W. Ellis
John McKenna

Inventor
John Norburn

United States Patent Office.

JOHN NORBURN, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO JOHN CHANDOS WOODHEAD AND JOSIAH HOLMES, TRUSTEES FOR UNIVERSAL MANUFACTURING COMPANY.

Letters Patent No. 97,681, dated December 7, 1869.

IMPROVED INTERCHANGEABLE BOOT AND SHOE-HEEL.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN NORBURN, of the city of Pittsburg, in the county of Allegheny, and State of Pennsylvania, have invented a new and useful Improvement in Boot and Shoe-Heels; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming part of this specification, and to the letters of reference marked thereon.

The nature of my invention consists in making the heels of boots and shoes detachable and interchangeable, that is, so constructing them as that the heel of the right boot or shoe, in case it should become worn unevenly, may be readily removed and placed on the left boot, and that previously on the left, placed on the right, as occasion may require.

By this construction and arrangement, both heels may be kept to a proper level, and all the inconveniences and discomforts arising from uneven boot-heels avoided.

To enable others to understand, make, and use my invention, I will proceed to describe its construction, by reference to the accompanying drawings, and in which—

Figure 1 represents a perspective view of the detachable portion of my improved heel.

Figure 2 represents a perspective view of the lower half or permanent portion of the heel.

Figure 3 exhibits the above-mentioned parts put together.

Figure 4 represents a plan for making the detachable portion of the heel of metal.

Figure 5 represents a longitudinal vertical section of an entire heel, showing all its parts.

All the drawings are lettered, and similar letters denote like parts in the several views.

I construct my improved boot-heel in any of the well-known ways, and of various shapes; but in order to accomplish the object I have in view, and hereinbefore stated, I make the heel in two parts.

In the permanent part B, next the boot or shoe, as the case may be, I embed a small metallic plate, S, from the centre of which extends a socket, *e*, whose exposed end is on a perfect level with the outside ply of leather forming this part of the heel, as seen at fig. 2, and in the outer or detachable portion A, I embed a similar plate, *c*, from the middle of which extends a tenon, R, corresponding in shape to the socket *e*, and into which it is intended to fit.

Through the walls of this socket *e*, and also through the tenon R, on a line therewith, a hole is drilled for the reception of the tapering end of a screw, N, by which the detachable part A may be firmly held in place on the permanent part of the heel B, or readily released to change the heels, or for other purposes, as circumstances may require.

I do not claim so constructing boot and shoe-heels that they may be interchangeable; but

What I do claim, and desire to secure by Letters Patent, is—

In an interchangeable boot or shoe-heel, the permanent half B, having an embedded plate, S, with its socket *e*, and tapered screw-pin N, in combination with the changeable base A, having an embedded plate, C and tenon R, when constructed and arranged substantially as described, and for the purpose set forth.

JOHN NORBURN.

Witnesses:

JOSIAH W. ELLS,
JOHN MCKENNA.