D. E. Somes,

Shoe Heel,

No. 30,094. Patented Sep. 18, 1860.

Fig. 1.

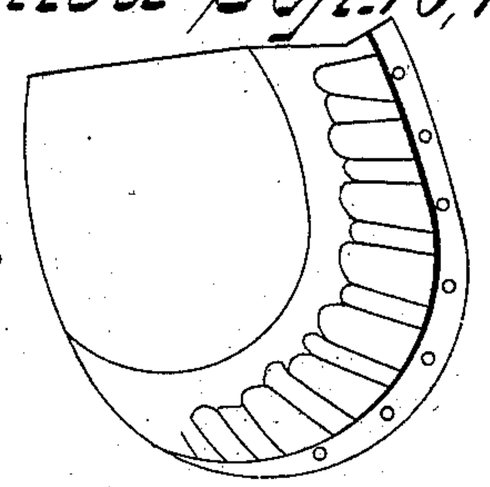
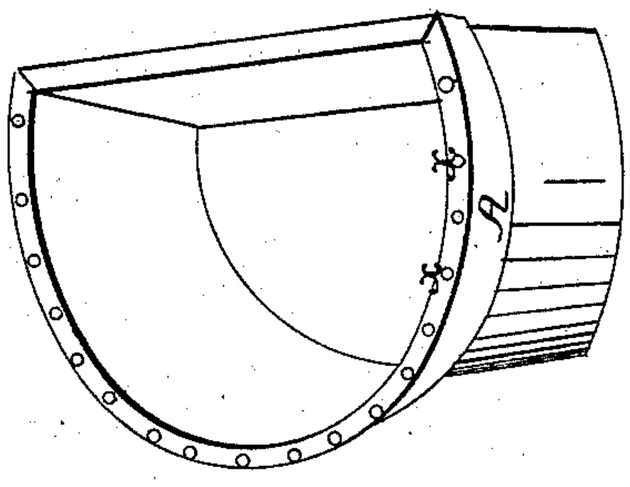


Fig. 2.



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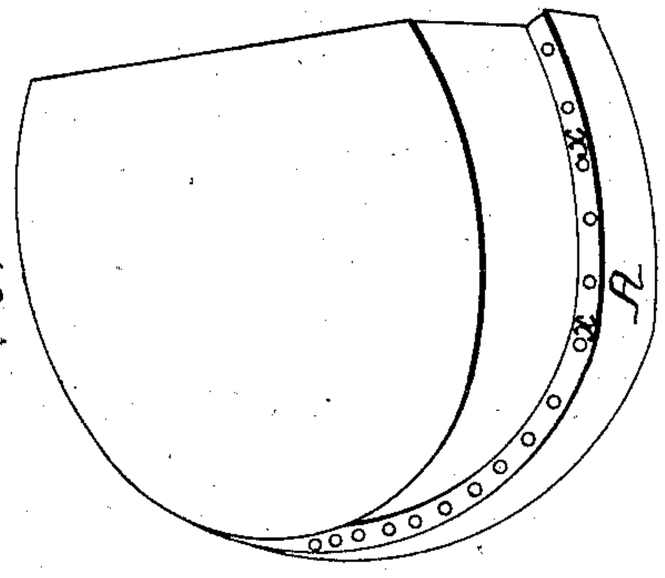

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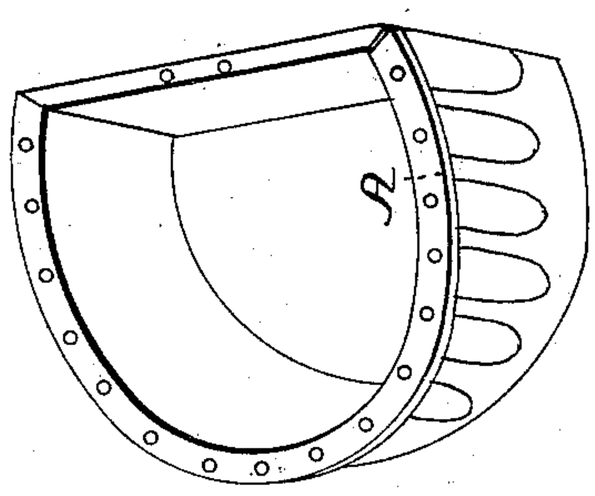

UNITED STATES PATENT OFFICE.

D. E. SOMES, OF BIDDEFORD, MAINE.

HEEL FOR BOOTS AND SHOES.

Specification of Letters Patent No. 30,094, dated September 18, 1860.

To all whom it may concern:

Be it known that I, D. E. SOMES, of Biddeford, in the State of Maine, have invented certain new and useful Improvements in Metallic Boot and Shoe Heels; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the employment of the hollow metallic heel which is provided around its top with a flange pierced with small holes through or by means of which the said heel is secured or attached to the boot or shoe substantially as will be specified.

In the annexed drawings, A, represents the heel, which is made of metal and made hollow as represented. Around the top of the heel is provided a flange which is made sufficiently wide to be pierced with a small nail holes for the purpose of securing it to the boot or shoe. This heel may be made of cast or wrought metal and may be made very thin and light.

I am aware of the improvements patented to Warner, Hodgkins, and Travers in 1840; G. S. Langdon in 1849. In one of these cases a leather heel is surrounded with a metallic band, or strap, the bottom being open, so that the leather wears upon the ground. In the other case, the heel is cast with an open bottom, an adjustable bottom being set it upon springs for the purpose of making an elastic heel. My invention differs materially from these—the heel being made entire in one piece.

In both of the cases just referred to the object which I have in view is defeated.

I design dispensing with a leather heel in order to cheapen the manufacture, and I have my heel made in one piece to cheapen the manufacture and lessen the weight. The leather used in the manufacture of heels is more expensive than metal, and if the heel is made in two parts with springs, &c., it is more costly, not so durable, and is less practical.

It will be readily seen that in making a hollow metallic heel the trade will be improved, for I thus have a lighter, a cheaper and a more durable heel than is now known to the trade.

The inner sole is secured to the heel by means of tacks or nails, which pass through the openings *x*, *x*, in the flange. This flange serves as a bearing for the edges of the inner sole.

When the sole is secured to this heel, in the manner set forth, it will be readily seen that the leather will stretch and form a kind of socket for the accommodation of the heel, conforming to the shape of the heel, thus doing away with the necessity of rounding the heel of the shoe or boot.

This heel may be made of vulcanite or any other suitable material.

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

The within described heel made entire, in one piece and provided with a flange B, around its top, pierced with small holes, substantially in the manner and for the purpose specified.

D. E. SOMES.

Witnesses:

C. M. ALEXANDER,

C. W. FRANZONI.