

(Model.)

T. SMITH.
Boot and Shoe Heel.

No. 236,464.

Patented Jan. 11, 1881.

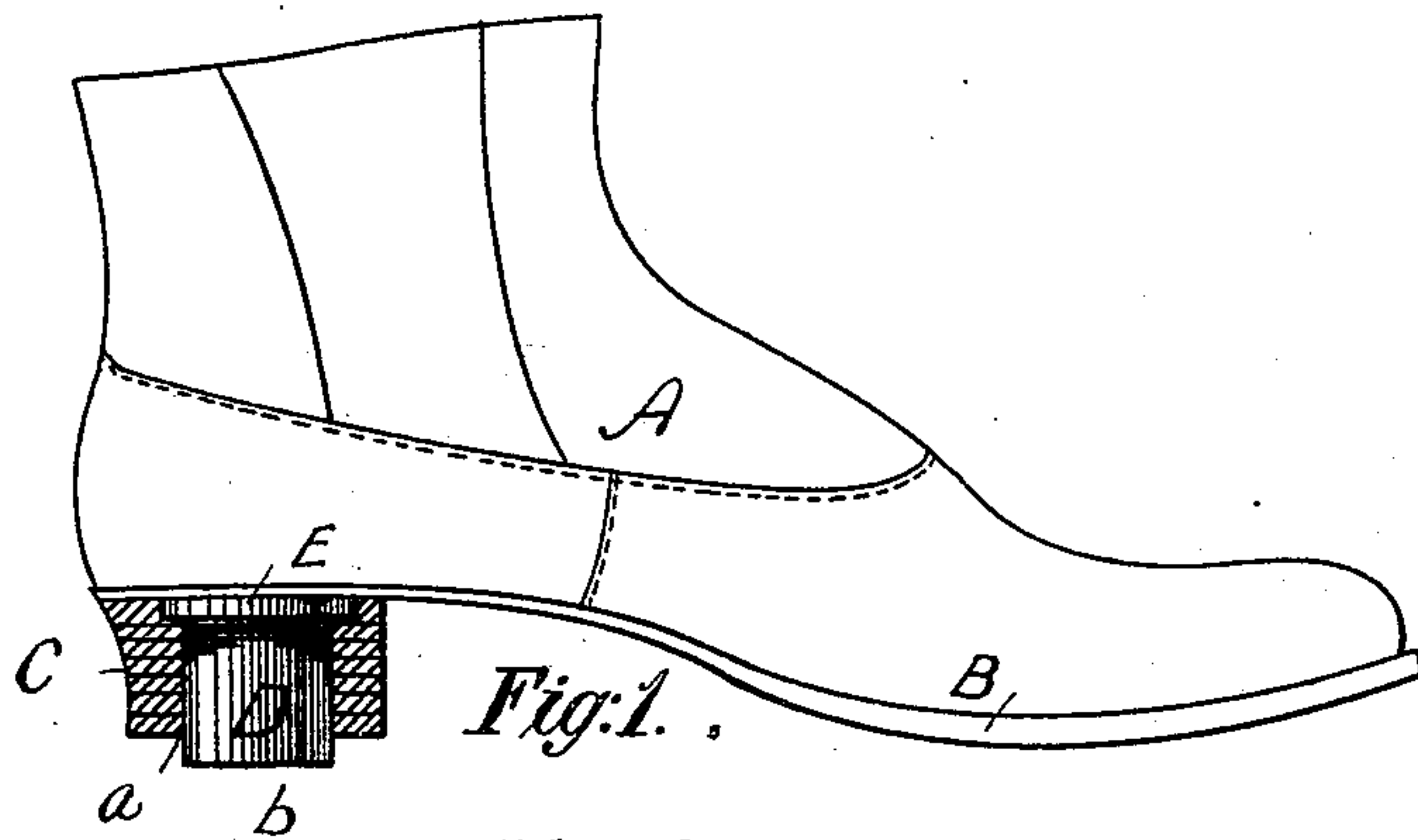
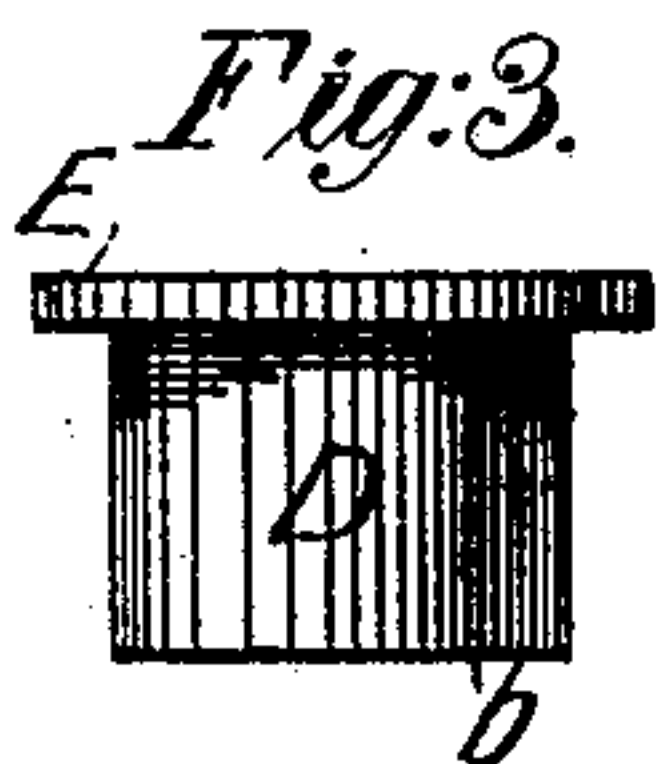
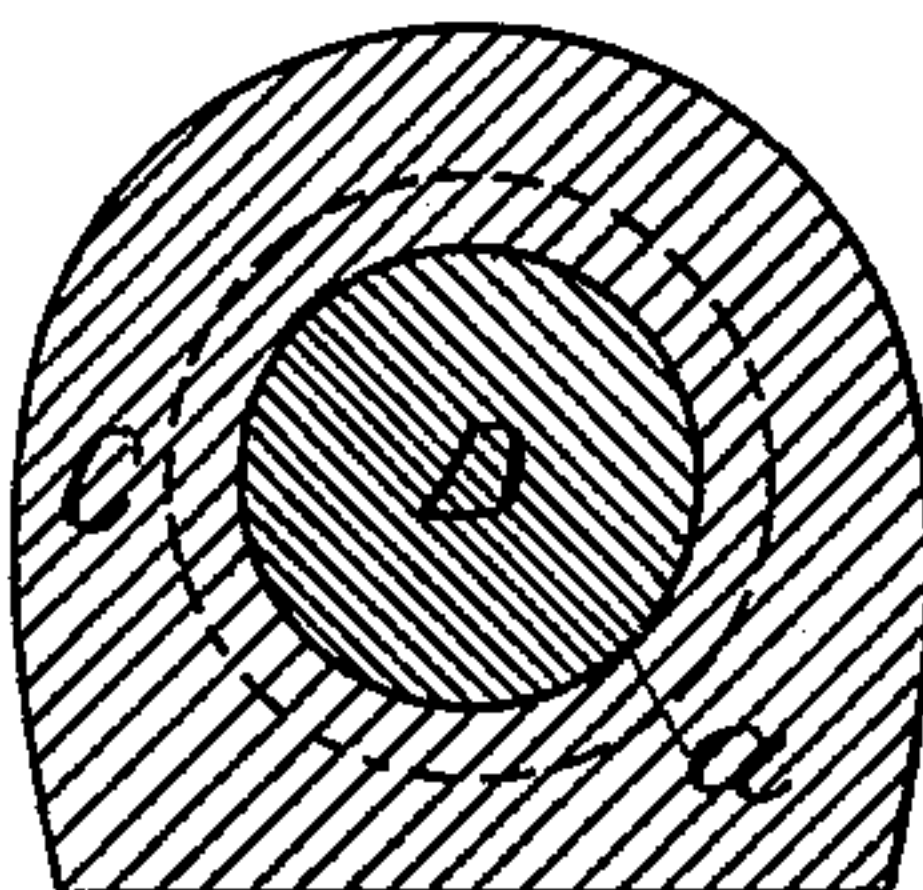


Fig. 2



Witnesses:

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UNITED STATES PATENT OFFICE.

THOMAS SMITH, OF BOSTON, MASSACHUSETTS.

BOOT AND SHOE HEEL.

SPECIFICATION forming part of Letters Patent No. 236,464, dated January 11, 1881.

Application filed October 8, 1880. (Model.)

To all whom it may concern:

Be it known that I, THOMAS SMITH, of Boston, in the county of Suffolk and State of Massachusetts, have invented a certain new and useful Improvement in Boot and Shoe Heels; and the following is a full, clear, and exact description of the same.

This invention relates to improvements in boot and shoe heels; and the invention consists in providing the heel with a central block of rubber having an end flange for interlocking with the heel proper, whereby such block is held in place within a recess in the heel, and forms a part of the treading-surface of the latter, all as more fully hereinafter described.

In the accompanying plate of drawings the present invention is illustrated, Figure 1 being a side elevation of a gaiter-boot with a heel of my improved construction in vertical section; Fig. 2, a horizontal section through the heel, and Fig. 3 a side view of the cushion or pad.

In the drawings, A represents an ordinary gaiter-boot, to which B is the sole and C the heel. This heel C has a hole, *a*, through its thickness, within which hole is a block, cushion, or pad, D, of india-rubber or gutta-percha, either pure or in any of its elastic compounds, pure rubber, however, being preferable. This pad D projects at the treading-face of the heel and makes, to the extent of the area of its projecting end *b*, a part of the treading-face of the heel. Within the thickness of the heel this

cushion has a flange, E, surrounding it, and by this flange the cushion is interlocked within the heel, and thus held from escape. This cushion D, combined and interlocked with the heel, as above described, obviously cannot accidentally escape. Again, it protects the heel proper against wear, it prevents slipping, and gives elasticity to the tread.

The cushion may be made to fit either tightly or loosely the hole *a* in the heel, which receives it. If loosely, then it allows it to recede into the heel when compressed by treading upon it, instead of spreading against the treading-face of the heel, which surrounds its projecting end.

If desired, the heel may be provided with several blocks D, in lieu of one; but if the one be made of a suitable size it is sufficient for all the practical purposes of the invention.

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

In boots and shoes, the heel C, having a block or cushion, D, of india-rubber or gutta-percha, which forms a part of the treading-surface of the heel and is secured within the heel by the interlock of flange E with the body of the heel, all substantially as described, for the purposes specified.

October 6, 1880.

THOMAS SMITH.

Witnesses:

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