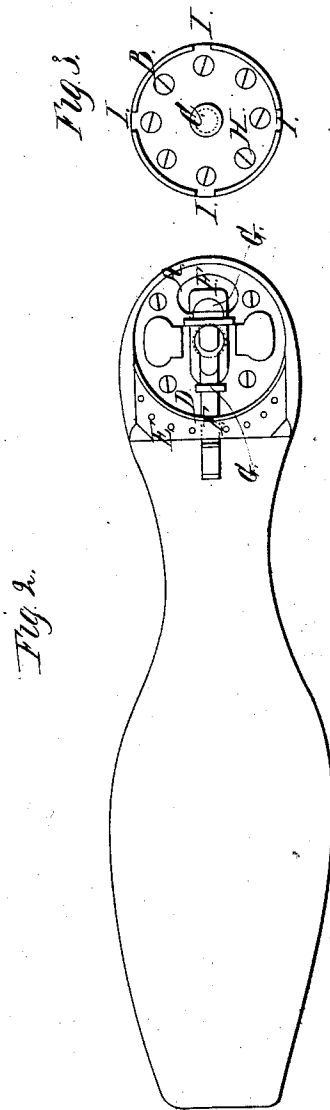
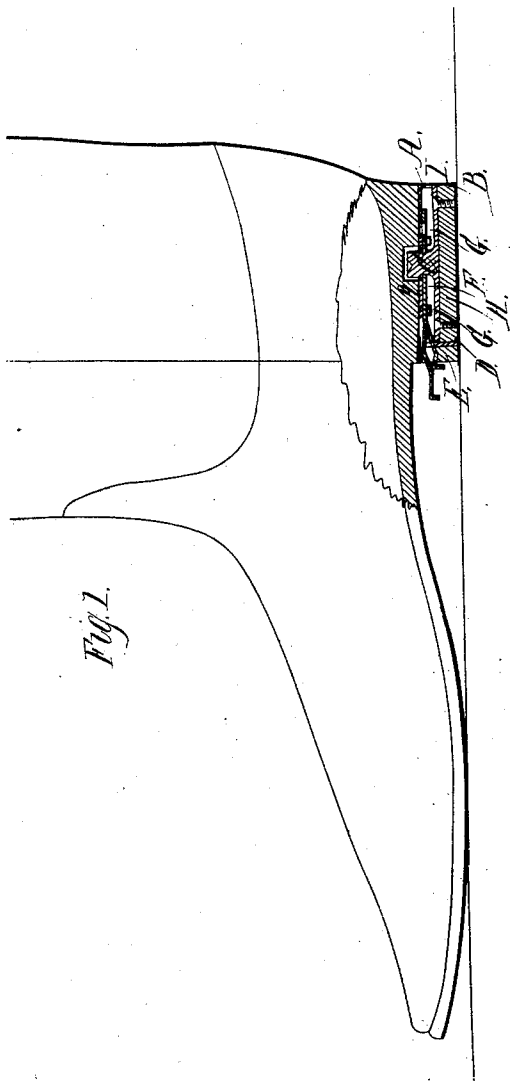


J. H. Roome,
Shoe Heel,
No 20,510, Patented June 8, 1858.



UNITED STATES PATENT OFFICE.

J. H. ROOME, OF NEW YORK, N. Y.

REVOLVING HEELS OF BOOTS AND SHOES.

Specification of Letters Patent No. 20,510, dated June 8, 1858.

To all whom it may concern:

Be it known that I, J. H. ROOME, of the city, county, and State of New York, have invented a new and useful Improvement in the Revolving Heels of Boots and Shoes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings of the same, making part of this specification.

Figure 1, is a side elevation of the lower part of a boot, with the improvement attached and shown in longitudinal section. Fig. 2, is a view of the under part of ditto, with the revolving portion of the heel detached. Fig. 3, is a top view of the revolving portion of the heel.

Similar letters in the figures refer to corresponding parts.

The nature of this invention and improvement consists in securing the revolving portion of the heel to the boot in such a manner as to enable the same to be readily attached and detached when desired, and revolved and securely fastened at every quarter revolution, to compensate for the inequality of wear.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

The metallic plate A, against which the revolving portion of the heel B, rests, is made of malleable iron or any suitable anti-corrosive metals, and is made to correspond with the form of the permanent portion of the heel to which it is secured, by screws, and is perforated at the center from which the circle of its rear end is scribed, with an opening for the admission of the shank C, of the revolving portion B, of the heel. It is provided with a vertical segmental flange D, near its forward end, which flange forms a continuation of the semicircle of its rear end, and is braced in front by a body of leather E, to complete the form of the forward portion of the heel. A horizontal slotted slide F, is arranged lengthwise, immediately below the center of the plate A, being held firmly in its place by staples or guides G, between which and the plate it has a backward and forward movement. The forward end of this slide, which is narrower than the rear end, is made elastic, and is bent first downward and then upward as it approaches its termination (where it is bent downward at right angles) for enabling its forward bend to press against a correspond-

ing portion of the body of leather E, and thus hold the slide firmly when pressed back, and the rear bend to secure the revolving heel at every quarter revolution. The rear end of the slot or perforation in the slide is made circular, and larger than the forward portion, for the purpose of enabling the shoulder or hub on the end of the shank B, to enter the same, when the slide is drawn forward to the position represented by red lines, and the edges of the smaller portion of the slot or perforation to enter the groove, below the hub, and firmly embrace the shank between the same, and the rear staple or guide G. This shank C, is formed at the center of a circular metallic plate H, screwed or otherwise secured to the revolving portion of the heel B, and is provided with a rim at its periphery in which are formed four or more notches I, at equal distances apart, in which the rear bend of the elastic portion of the slide F, enters, for securing it at any part of its revolution where these notches are situated.

When it is desired to attach a revolving heel of the above description, the elastic portion of the slide F, is pressed from the corresponding portion of the body E, and is drawn forward to the position represented by red lines. The hub of the shank C, is then inserted into the space allotted for it in the plate and permanent body of the heel, and secured there by forcing the slide backward to the position represented in Figs. 1 and 2, as before stated. It is detached in a corresponding manner.

In the event of the heel wearing unequally at the sides or at the rear, it can be turned and secured so as to make its lower surface more uniform with the forward portion, by pressing the elastic portion of the slide out of the notch I, and after revolving the heel the required distance, allowing it to enter another notch.

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

The combination of the slotted or perforated spring slide F, bent at its forward end as described, with the hubbed shank C, and notched rim plate H, arranged and operating substantially in the manner herein set forth.

JAMES H. ROOME.

Witnesses:

W. HAUFF,
W. TUSCH.