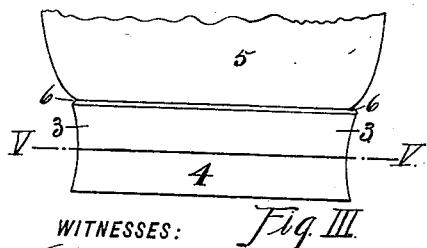
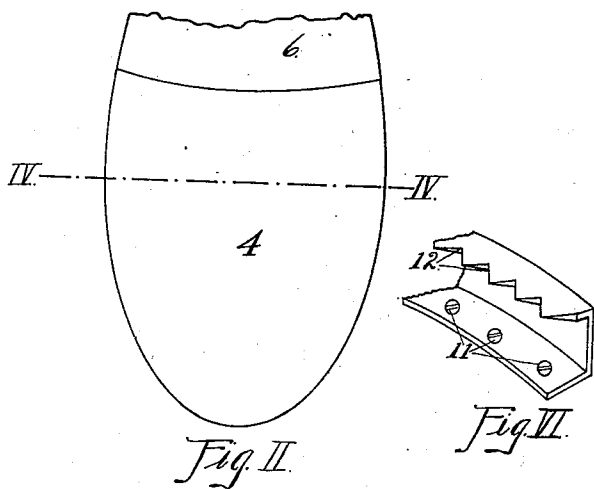
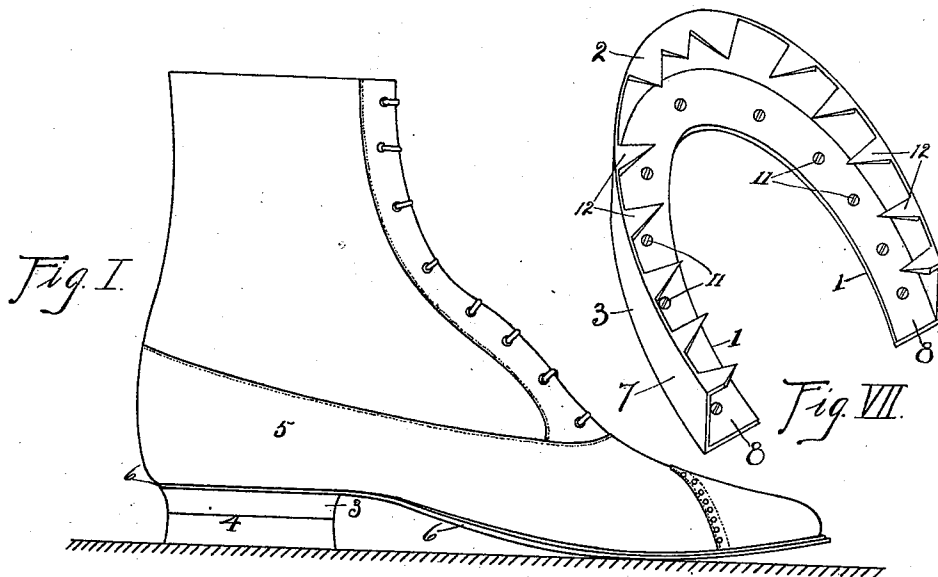


(No Model.)

A. N. BARRETT.
ATTACHING DEVICE FOR RUBBER HEELS.

No. 562,113.

Patented June 16, 1896.



WITNESSES:

Geo. H. Howard Jr.

Jas. W. White

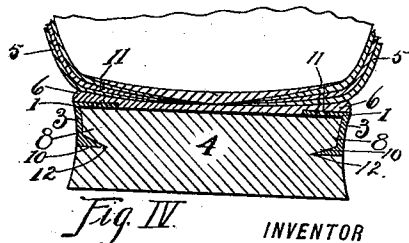


Fig. IV

INVENTOR

A. N. Barrett.

BY

Knickerbocker

ATTORNEYS

UNITED STATES PATENT OFFICE.

ALBERT N. BARRETT, OF LOS ANGELES, CALIFORNIA.

ATTACHING DEVICE FOR RUBBER HEELS.

SPECIFICATION forming part of Letters Patent No. 562,113, dated June 16, 1896.

Application filed December 17, 1895. Serial No. 572,470. (No model.)

To all whom it may concern:

Be it known that I, ALBERT N. BARRETT, a citizen of the United States, and a resident of Los Angeles, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Attaching Rubber Heels to Shoes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improved device for attaching rubber heels to shoes, and my invention consists in certain features of novelty hereinafter described and claimed.

Figure I represents a side elevation of a shoe with my improvement attached. Fig. II is a bottom view. Fig. III is a detail rear elevation. Fig. IV represents a cross-section taken on line IV IV, Fig. II. Fig. V is a horizontal section taken on line V V, Fig. II, through the heel. Fig. VI is a detail perspective of retaining-plate. Fig. VII is a perspective of retaining-plate.

Referring to the drawings, 3 represents my improved retaining-plate, which is in outline of the same contour as the upper half of an ordinary heel, but which has an open central space which leaves the central portion of the bottom of the shoe above the heel exposed. The plate 3 consists of a horizontal flange upper 1, a vertical pendent flange 7, and inwardly-extending teeth 12 at the base of the pendent flange, said teeth being preferably integral with the retaining-plate and having their bases joining the bottom of the vertical flange 7. The retaining-plate is secured to the upper 5 and to the sole 6 of the shoe in the same position that the ordinary leather heel would occupy, and is firmly held thereto by means of screws or nails 11, passing through holes in the flange 1 and extending into the sole.

By the construction described it will be seen that a horizontal horseshoe-shaped pocket 8 is formed in the retaining-plate, said pocket being wider at its center than at its mouth.

4 represents a rubber heel which has a depth substantially double that of the retaining-plate, so that the heel would have to be

worn at least one-half away before the retaining-plate would come in contact with the ground.

In placing the rubber heel in position in the retaining-plate, I preferably form a slit 10 in the side of the heel at a distance from the bottom where the heel would strike the teeth 12, the heel being forced into the pocket 8 under pressure, the teeth 12 extending into the slit, the heel being somewhat wider than the pocket, expands on being forced into the pocket and is securely held within the pocket both by its peculiar shape and by the teeth 12 engaging the outer sides of the heel. I have shown the teeth in sections, as shown at 12 on the sides and at 2 on the rear end, but do not desire to confine myself to any special arrangement of the same.

In Fig. VII, I have shown a slight modification in which the teeth 12 point backwardly in shark-tooth fashion, this form affording greater resistance to the displacement of the heel than where the teeth extend at right angles with the sides of the heel.

There are many advantages in the use of a rubber heel that are obvious and not necessary to mention in this application. Its advantages on slippery surfaces, lessening the shock to the wearer in walking on hard substances and avoidance of noise, will be readily appreciated by its users.

I claim as my invention—

A boot or shoe heel comprising a solid rubber body having a horizontal slit about midway of its height, and a retaining-plate, formed with a horizontal upper flange adapted to be secured to the sole of a boot or shoe, with a vertical pendent flange embracing the upper portion of the entire body, and with inwardly-projecting teeth at the base of the pendent flange occupying the horizontal slit in the body; the body by its yielding property being adapted to be sprung into and out of the retaining-plate; substantially as described.

ALBERT N. BARRETT.

Witnesses:

E. W. LITTLE,
JAS. E. KNIGHT.