

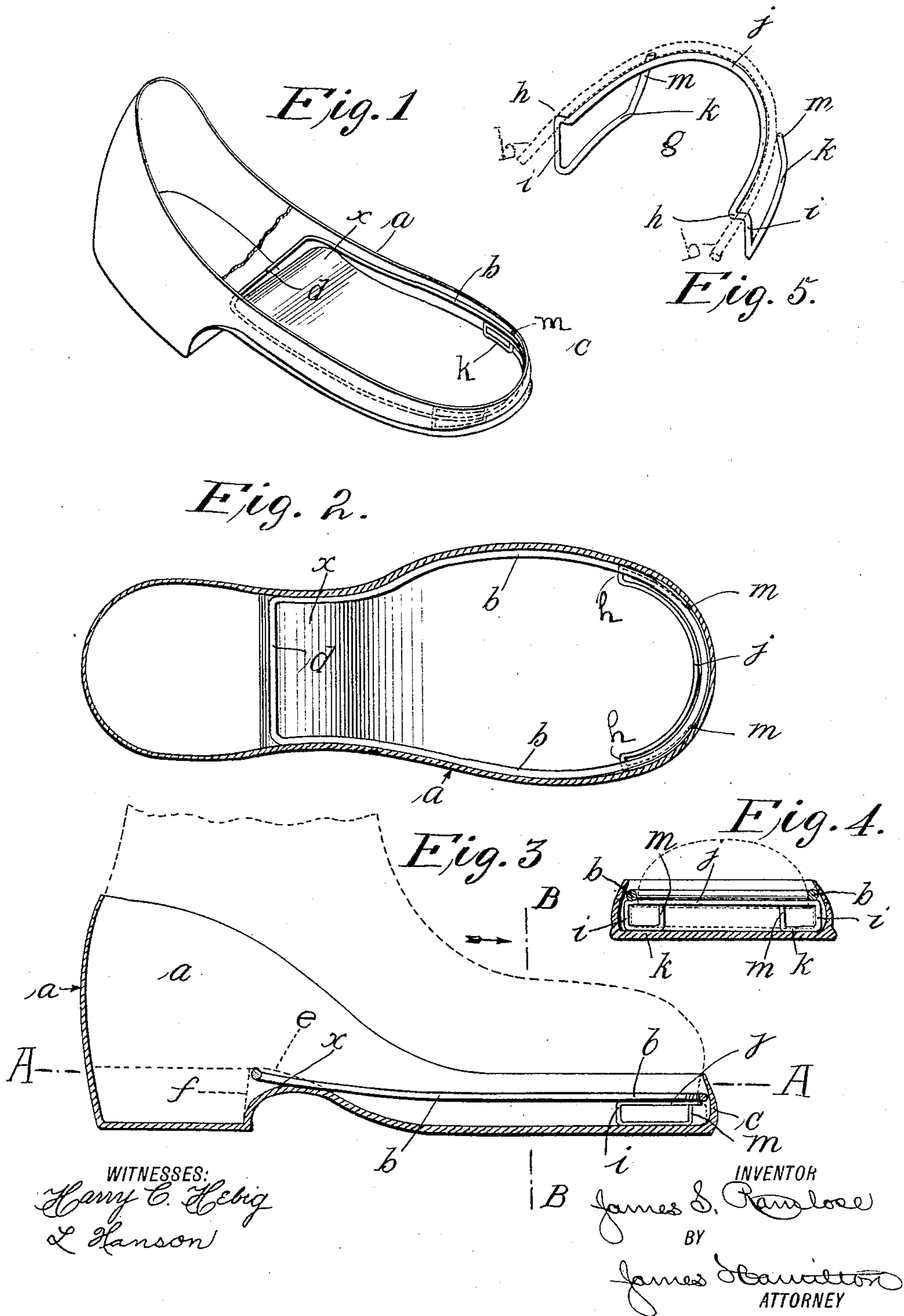
J. S. RAMLOSE.

RUBBER.

APPLICATION FILED MAR. 29, 1907.

912,030.

Patented Feb. 9, 1909.



UNITED STATES PATENT OFFICE.

JAMES S. RAMLOSE, OF NEWPORT, RHODE ISLAND.

RUBBER.

No. 912,030.

Specification of Letters Patent.

Patented Feb. 9, 1909.

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To all whom it may concern:

Be it known that I, JAMES S. RAMLOSE, a citizen of the United States, residing at Newport, in the county of Newport and State of Rhode Island, have invented certain new and useful Improvements in Rubbers, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in rubbers, and particularly to rubbers formed without the usual top; and an object of my invention is to provide a rubber of this character with means whereby the rubber is held securely upon the shoe.

In the drawings illustrating the principle of my invention and the best mode now known to me of applying that principle, Figure 1 is a perspective view of my new rubber; Fig. 2 is a section on line A—A of Fig. 3; Fig. 3 is a central longitudinal section; Fig. 4 is a transverse vertical section on line B—B of Fig. 3; and Fig. 5 is a perspective view of the toe retaining device.

In carrying out my invention, the rubber *a* is provided with a filament *b* of resilient and practically inextensible material, such as cane or wire. This filament *b* is suitably secured to the sides of the rubber, and extends around the toe *c* and in the rear at *d* across the rubber so as to lie under the rear part of the shank *e* of the shoe just in front of the breast *f* of the heel. The sides and toe portion of the filament *b* fit over the ledge of the shoe which projects from the upper in the shoes in common use today. The transverse portion *d* of the filament *b* lies in rear of the arch portion *x* of the rubber; and the shank of the shoe near the breast of the heel presses upon the transverse portion *d* and thereby bends and curves the same downwardly. This bending action results in drawing in the flexible sides of the rubber against the shoe and causes the filament *b* to fit snugly over the sole and against the upper of the leather shoe.

The rubber is further provided with a toe-clip bent from a filament *j* of the same material as the filament *b*; and this toe-clip is provided with shoulders *h* upon which rests the filament *b* and which serves as a guide-

support for the latter, as is best shown in Fig. 5. The legs *i* raise the toe-clip sufficiently from the sole of the rubber to enable the toe portion of the shoe to pass under the loop or body-portion *j* of the toe-clip. The base portions *k* enable the toe-clip to be suitably secured to the rubber, the free ends *m* extending between the filament *b*, and the toe of the rubber. This toe-clip furnishes an additional guard against loss of the rubber.

I am aware of the patent to J. F. O'Brien, No. 582,082, granted May 4th, 1897; but in that patent no toe-clip is shown, and the transverse part *c*¹ does not extend into the instep and against the breast of the heel of the shoe.

I claim:

1. A rubber provided with a continuous resilient filament the body portion of which extends along the sides of the rubber and is secured thereto and which is provided with a transverse portion lying in rear of the arch of the rubber and adapted to be pressed downwardly in rear of said arch, whereby the body-portion of said filament is drawn in snugly against the sides of the shoe.

2. A rubber provided with a toe-clip the body portion of which is a loop adapted to fit the toe of the rubber; and with a filament which extends over the ends of said loop and beside the body portion thereof.

3. A rubber provided with a filament formed into a toe clip the body portion of which is a loop adapted to fit the toe of the rubber and the base portions of which extend forwardly and parallel to said loop there being a space between said body portion and the sole of the rubber adapted to receive the lower toe portion of the shoe.

4. A rubber provided with a filament formed into a toe clip the body portion of which extends around the toe of the rubber the ends of said body portion being bent downwardly and then forwardly there being a space between said body portion and the sole of the rubber adapted to receive the lower toe portion of the shoe.

5. A rubber provided with a filament formed into a toe clip the body portion of which extends around the toe of the rubber

the ends of said body portion being bent downwardly and then forwardly and upwardly there being a space between said body portion and the sole of the rubber
5 adapted to receive the lower toe portion of the shoe.

Signed at said Newport this twenty fifth

day of March, 1907, in the presence of the two witnesses undersigned.

JAMES S. RAMLOSE.

Witnesses:

F. W. POOLE,
E. O. RIGGS.