

E. RENNIE.
DETACHABLE HEEL.
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936,037.

Patented Oct. 5, 1909.

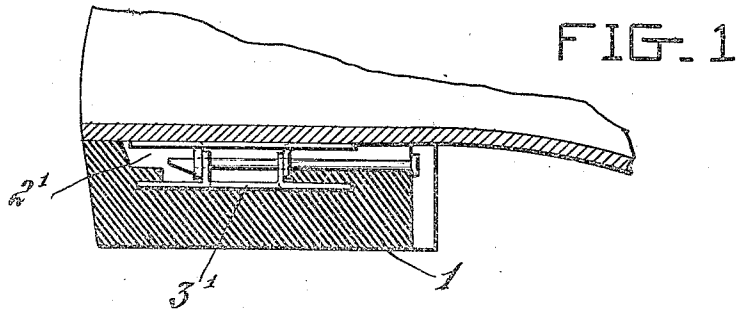


FIG. 1

FIG. 2.

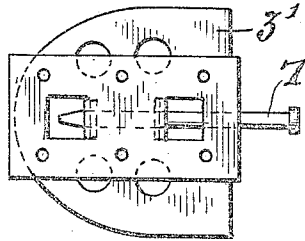


FIG. 3.

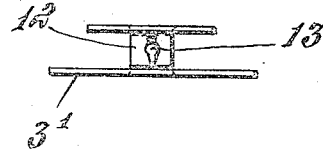


FIG. 4.

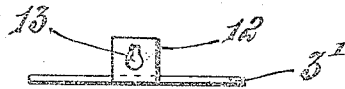
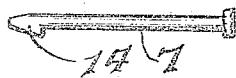


FIG. 5



FIG. 6.



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UNITED STATES PATENT OFFICE.

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DETACHABLE HEEL.

936,037.

Specification of Letters Patent.

Patented Oct. 5, 1909.

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To all whom it may concern:

Be it known that I, EDWARD RENNIE, a subject of the King of Great Britain, residing at Halifax, county of Halifax, in the Province of Nova Scotia, Canada, have invented certain new and useful Improvements in Detachable Heels; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention to be hereinafter described relates to detachable heels or heel sections for boots, shoes, and the like.

It is designed for the purpose of removably securing a heel section of any desired construction to the upper lifts of the ordinary boot or shoe heel in such manner that the attached section may be replaced when worn out, or when a change is desired, and when in position will be securely connected to the upper lifts.

Broadly speaking, the invention comprises a heel section, having embedded therein a plate, on which are formed lugs, a similar plate adapted to be secured to an upper lift of the heel proper and provided with lugs, and a locking pin adapted to pass through the lugs of the two plates to thereby detachably lock the lower heel section and the upper lifts of the heel together.

In order to more clearly disclose the construction, operation and application of the invention, reference should be had to the accompanying drawings forming part of the present application.

In the several figures, the same reference characters designate the same parts throughout.

In the drawings; Figure 1 is a vertical central longitudinal section through a heel as attached, showing a preferred form of the invention; Fig. 2 is a top plan view of the plates in Fig. 1; Fig. 3 is a front view of the same plates, with the fastening pin in position; Fig. 4 is an end view of the bottom plate of Fig. 1; Fig. 5 is a similar view of the top plate of Fig. 1; and Fig. 6 is a side elevation of the locking pin.

In the preferred form, the detachable section 1 is of rubber or other suitable material, which may be molded to a desired shape. This section is recessed centrally as at 2' to provide space for the fastening parts, and has embedded in its body a perforated plate 3', on which is formed upwardly extending lugs 12, which project through the material of the section and into the recess 2'. A second plate 5 is secured, by integrally formed spurs or other attaching means, to the upper lift of the heel, and has downwardly extending lugs 12 formed thereon, which are adapted, when the lower section is positioned, to lie adjacent the lugs 12 of the lower plate. In order to lock the upper and lower plates, and consequently the detachable heel section and the upper lifts together, a pin 7 is adapted for insertion through the lugs 12 of the upper and lower plates. The lugs 12 of the upper and lower plates are provided with key hole slots 13 adapted to be brought into alinement for the passage of a tapered projection 14 on the pin 7. When this projection is passed through all of the key hole slots, the pin may be turned to securely lock the plates together.

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

In combination with a shoe heel, an upper plate adapted to be attached to the shoe and provided with ears having keyhole openings, a lower plate adapted to be attached to a removable heel and provided with ears having keyhole openings and adapted to be alined with the ears of the upper plate, and a key or pin provided with a projection adapted to be passed through the keyhole openings and turned to lock the parts together.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

EDWARD RENNIE.

Witnesses:

GEO. B. STEPHENSON,
H. HILL.