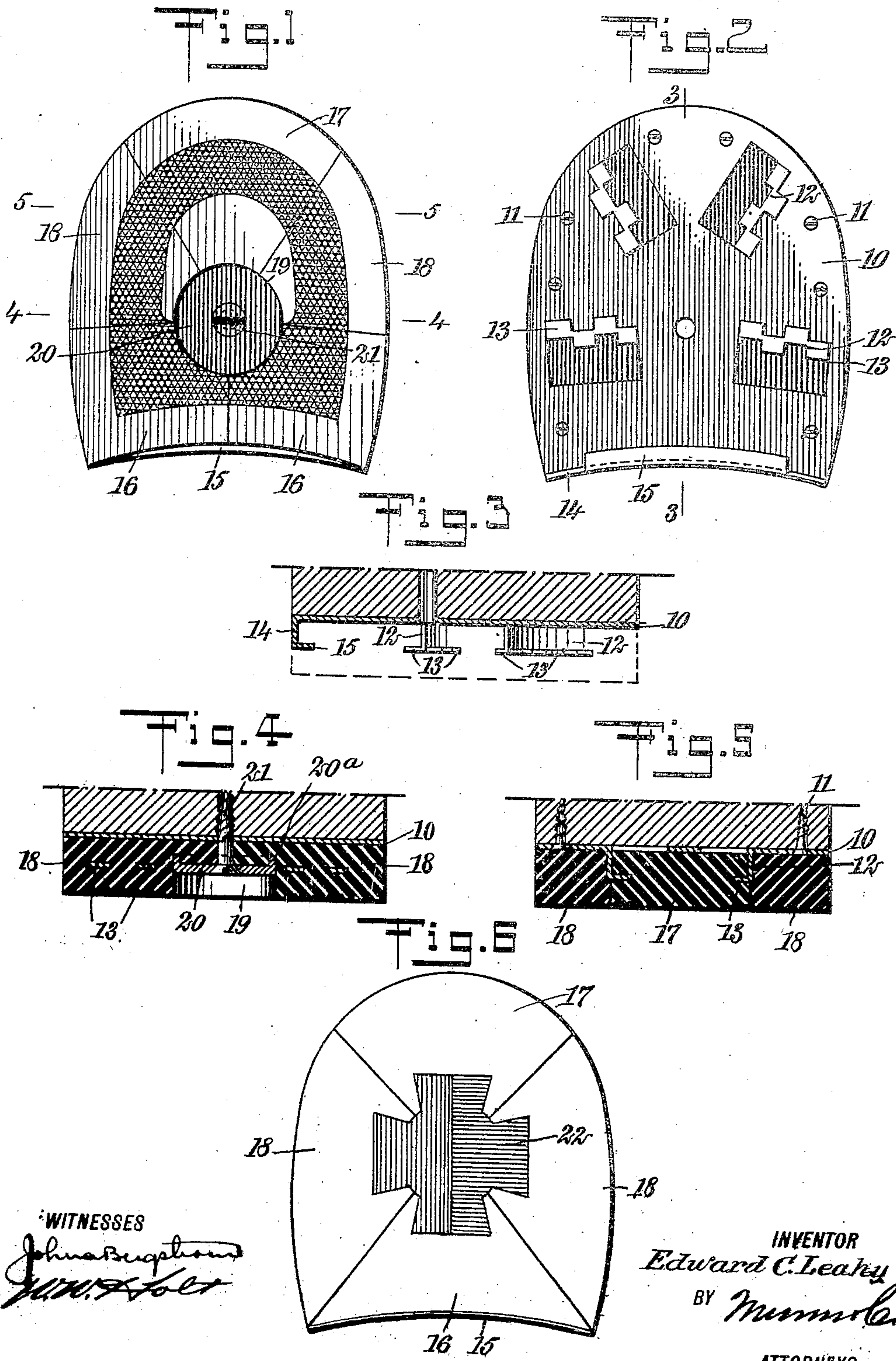


E. C. LEAHY.
COMPOSITE HEEL FOR BOOTS AND SHOES.
APPLICATION FILED APR. 9, 1909.

931,438.

Patented Aug. 17, 1909.



UNITED STATES PATENT OFFICE.

EDWARD C. LEAHY, OF SYDNEY, NOVA SCOTIA, CANADA.

COMPOSITE HEEL FOR BOOTS AND SHOES.

No. 931,438.

Specification of Letters Patent.

Patented Aug. 17, 1909.

Application filed April 9, 1909. Serial No. 488,799.

To all whom it may concern:

Be it known that I, EDWARD C. LEAHY, a subject of the King of Great Britain, and a resident of Sydney, Cape Breton, in the Province of Nova Scotia and Dominion of Canada, have invented a new and Improved Composite Heel for Boots and Shoes, of which the following is a full, clear, and exact description.

The invention is an improvement in that class of heels for boots and shoes which is made up of a plurality of separable heel sections, whereby any portion of the heel may be renewed without discarding the entire structure.

The invention in general consists of a backing plate to be attached to the boot or shoe and having a number of radiating flanges stamped therefrom, each flange having oppositely-turned tongues lying approximately parallel to the plane of the body of the plate, heel sections of rubber or other suitable material slidably engaged with the tongues, the heel sections being cut away at their inner ends to form a central recess, and a device in the recess in locking engagement with the heel sections.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a face view of a heel constructed in accordance with my invention; Fig. 2 is a similar view with the separable sections of the heel removed; Fig. 3 is a section on the line 3—3 of Fig. 2; Fig. 4 is a section on the line 4—4 of Fig. 1; Fig. 5 is a section on the line 5—5 of Fig. 1; and Fig. 6 is a face view of another form of the invention.

In the construction of the heel I employ a backing plate 10 of sheet metal or other suitable material, which is designed to be secured to the heel of the shoe or boot, for which purpose I have shown a number of screws 11 arranged near the margin. The body of the plate has stamped therefrom a number of flanges 12, each flange at the outer end portion being formed into a number of oppositely-turned tongues 13, the several tongues lying in a plane approximately parallel to the plane of the body of the plate. The backing plate is further provided with a flange 14 at the forward edge, conforming to the concavity of this portion of the heel,

the flange 14 having at its outer portion an inwardly-turned tongue 15 arranged at substantially the elevation of the tongues 13.

Slidably engaged with the opposed tongues of the several flanges is a number of heel sections or blocks, preferably of rubber and consisting of two forward heel sections 16, 16, a rear heel section 17, and intermediate sections 18, 18, the inner edges of each section radiating from the center of the heel and in abutting relation when the parts are assembled. The several heel sections are cut away at their inner ends to form a central recess 19 of a depth less than their full thickness, in which is located a cap 20 secured to the heel of the boot or shoe by a screw 21 and having an inwardly-turned marginal flange 20^a interfitting with the several heel sections and locking them in place. When any section of the heel becomes worn or otherwise unfit for use it may be renewed without discarding the entire heel, this being accomplished by removing the cap 20 and sliding the worn section out.

The form of the invention shown in Fig. 6 is in all respects the same as that described except in the matter of the central locking member, which is shown to be in the shape of a Maltese cross 22 and divided into two half sections on a line running forwardly and rearwardly. The recess in the several heel sections in this form of the invention instead of being circular, as shown in Figs. 1 and 4, is of a form to correspond with the shape of the locking member and each point or tapering projecting portion of the member is received in one of the heel sections.

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

1. In a heel, a backing plate, a number of radiating flanges stamped from the backing plate, each flange having oppositely-turned tongues lying approximately parallel to the plane of the body of the plate, and heel sections slidably engaged with the tongues.

2. In a heel, a backing plate having a number of flanges stamped therefrom, each flange having oppositely-turned tongues lying approximately parallel to the plane of the body of the plate, heel sections slidably engaged with the tongues, and a locking member common to all of said sections.

3. In a heel, a backing plate having flanges stamped therefrom, each flange having a

number of oppositely-turned tongues lying in a plane approximately parallel to the plane of the body of the plate, said backing plate having a flange at its forward edge provided with an inwardly-turned tongue, and a number of separable heel sections slidably engaged with the said tongues.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDWARD C. LEAHY.

Witnesses:

FRED LEAHY,
ANNIE MACKENZIE.