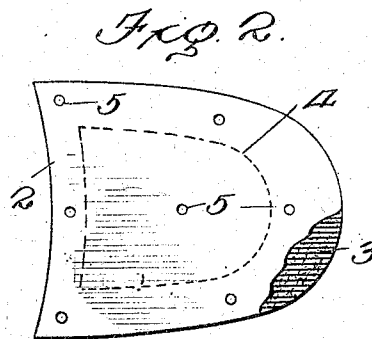
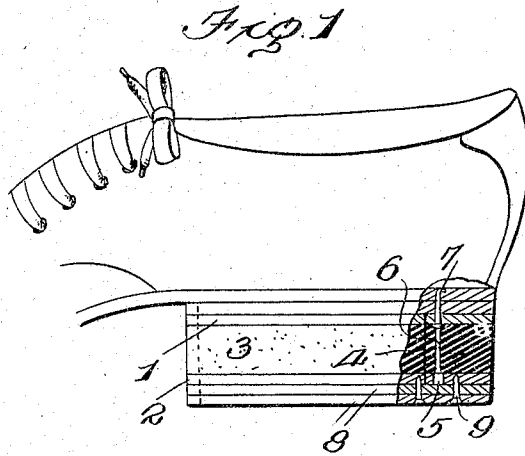


J. G. DAUBERT.
CUSHION HEEL FOR SHOES.
APPLICATION FILED SEPT. 22, 1908.

937,425.

Patented Oct. 19, 1909



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN G. DAUBERT, OF LOUDONVILLE, OHIO.

CUSHION-HEEL FOR SHOES.

937,425.

Specification of Letters Patent.

Patented Oct. 19, 1909.

Application filed September 22, 1908. Serial No. 454,150.

To all whom it may concern:

Be it known that I, JOHN G. DAUBERT, a citizen of the United States, residing at Loudonville, in the county of Ashland and State of Ohio, have invented certain new and useful Improvements in Cushion-Heels for Shoes, of which the following is a specification.

This invention has for its object a simple, durable and efficient construction of cushion heel for boots and shoes, which may be cheaply and easily manufactured and readily applied to the boot or shoe, and which in actual use will, in addition to the characteristic of durability, possess the characteristic of comfort to the wearer without the unhygienic and unpleasant effects of rubber cushions that are worn inside the shoe and without the stealthy appearance or feeling which is incident to the use of cushion heels with a rubber or similar compressible tread surface.

With these and other objects in view which will more fully appear as the description proceeds, the invention consists in certain constructions and arrangements of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention and the merits thereof, and to acquire a knowledge of the details of construction, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a side elevation of my improved heel, the same being shown applied and partly broken away; and, Fig. 2 is a bottom plan view partly broken away.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

My improved cushion heel comprises, as a complete article of manufacture, two layers or lifts 1 and 2 which may be formed of leather or similar incompressible substance or material, and a relatively thick cushion layer 3 interposed between the layers 1 and 2, formed of soft rubber or some similar compressible substance or material. These parts are preferably connected together by a line of stitching 4 which extends through all of the parts around or spaced from the marginal edges thereof, following the contour of said edges, as clearly illustrated in the drawing. The layer or lift 2, which is

the outermost layer when the device is in use and applied to the heel of a boot or shoe, is formed around its margin with a series of apertures 5. The intermediate compressible layer or cushion 3 is correspondingly formed with openings 6 extending there-through, but preferably of somewhat smaller diameter than the apertures 5, the said openings registering with the corresponding apertures. The innermost layer 1 is initially intact or devoid of openings.

In applying one of my improved heels to a boot or shoe, several of the lifts of the ordinary leather heel are removed, the number being removed depending upon the desired height of the completed cushion heel. Manifestly, however, if the heel is embodied in the shoe or boot in the manufacture thereof, the heel will be initially formed with only one or two lifts next to the sole and the cushion heel of my invention at once applied. In the present instance I have shown the shoe as provided with only one leather lift of the original heel, next to the sole. After my improved cushion heel is applied to the remaining portion of the original heel, nails 7 are driven by a nail set or similar tool through the apertures 5 and openings 6 inwardly so as to pass through the innermost layer 1 and the lifts or main portion of the heel, as clearly shown, the parts being preferably so proportioned that the apertures 5 will readily pass the heads of the nails, while the somewhat smaller openings 6 will also permit the heads to be forced therethrough and driven up firmly against the outer face of the inner layer 1, in order to securely hold the layers 1, 2 and 3 to the shoe. After this operation has been performed, it is obvious that the heel may be built up to the desired height by securing one or more leather or similar lifts 8 to the outer layer 2, as by nails 9.

It is to be particularly noted that by the construction and the arrangements of the parts set forth in the foregoing description and illustrated in the accompanying drawings, I have provided a cushion heel which will be durable and long lived, owing to the fact that the compressible cushion or rubber section 3 does not form the tread surface of the heel, but that such surface is formed by one or more leather lifts secured to the cushion portion of the heel on the outer side thereof. It is also to be noted that there are no metallic nails, pegs or other

devices to transmit vibration from the tread surface of the heel to the foot of the wearer through the compressible section or cushion 3, while the sound of the nails 9 striking the surface over which the wearer is walking is deadened to a considerable extent, if not entirely, by the said cushion. The heel can be readily secured in place and when once attached, as above described, will be firmly fastened to the sole of the shoe and be in nowise liable to tear away, the stitching 4 being at all times protected by the overlying lifts.

It is to be understood that it is within the scope of my invention to cement the layers 1 and 2 and interposed cushion 3 together before stitching these parts, although the invention is in no sense limited to the use of cement in this connection.

Having thus described the invention, what I claim as new is:

The combination with the body portion of

a shoe, of a cushion heel applied thereto, said heel consisting of an inner layer, an outer layer initially formed with perforations, and an interposed cushion, the cushion being formed with openings in registry with the perforations of the outer layer, but of relatively smaller diameter, stitching extending through the layers and interposed cushion, headed fastening devices adapted to be driven through the outer layer and cushion into the innermost layer with the heads of said fastening devices abutting against the outermost face of said layer, lifts lying against the outer face of the outer layer, and other fastening devices securing said lifts to said outer layer.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN G. DAUBERT. [L. s.]

Witnesses:

F. W. GRAF,

R. F. POFF.