

W. E. STEDMAN.
SHOE HEEL.
APPLICATION FILED FEB. 26, 1912.

1,049,164.

Patented Dec. 31, 1912.

Fig. 1.

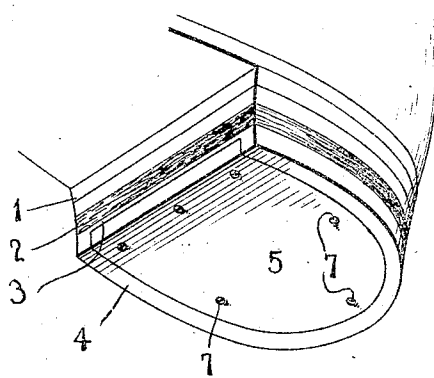


Fig. 2.

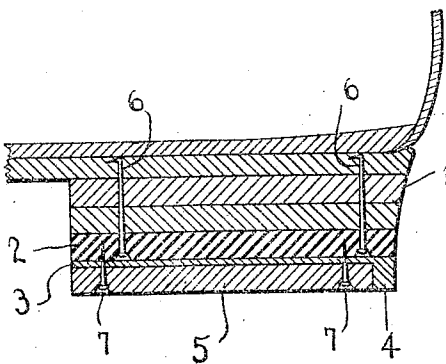
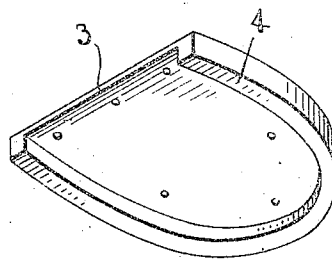


Fig. 3.



Witnesses
L. B. James
C. E. Hunt.

Inventor
William E. Stedman

by *A. B. Wilson & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM E. STEDMAN, OF ZANESVILLE, OHIO, ASSIGNOR OF ONE-FOURTH TO JAMES I. WHITE AND ONE-FOURTH TO GEORGE A. WHITE, BOTH OF ZANESVILLE, OHIO.

SHOE-HEEL.

1,049,164.

Specification of Letters Patent.

Patented Dec. 31, 1912.

Application filed February 26, 1912. Serial No. 679,872.

To all whom it may concern:

Be it known that I, WILLIAM E. STEDMAN, a citizen of the United States, residing at Zanesville, in the county of Muskingum and State of Ohio, have invented certain new and useful Improvements in Shoe-Heels; and I do declare the following to be 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.

This invention relates to improvements in shoe heels.

One object of the invention is to provide a shoe heel having an improved construction and arrangement of cushion and means to guard and protect the same from wear and to provide an even, durable tread surface for the heel.

Another and further object of the invention is in the provision of a heel of the character described, whereby the same can be readily attached to a shoe in its complete and finished condition.

With this and other objects in view, the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawings: Figure 1 is a perspective view of a part of a shoe showing my improved heel applied thereto; Fig. 2 is a central vertical longitudinal section thereof; Fig. 3 is an inverted perspective view of the metal guard and protecting plate for the cushion.

My improved heel comprises an upper or inner portion 1, which may be of any desired thickness and is preferably formed of one or more layers of leather. Arranged below the upper portion 1 of the heel is an intermediate portion or cushion 2 formed of a layer of rubber or other resilient material.

Below the cushion or resilient layer 2 is a metal protecting plate 3 having on its side and rear edges a depending guard flange 4 which may be of any suitable width and thickness. Arranged on the lower side

of the plate 3 and within the space formed by the flange 4 is a filler 5 of leather or other suitable material.

The upper layers or lifts 1 of leather and the cushion 2 are secured to the heel portion of the shoe sole by nails or other suitable fastening devices 6, while the protecting plate 3 and filler 5 are secured to the cushion 2 by nails or similar fastening devices 7. When thus arranged the plate 3 and the flange 4 thereon protect the cushion from wear and keep the bearing surface of the heel even without detracting from the resiliency or yielding action of the cushion. The filler 5 when arranged on the protecting plate in the manner described prevents any noise which might be occasioned thereby in walking and to a certain extent prevents the flange 4 from scratching or marring floors. It will thus be seen that a shoe provided with my improved heel will possess all the advantages of the usual form of cushion heel, at the same time the cushion is protected from wear and the life and usefulness of the heel thus greatly prolonged.

In practice the heel is manufactured in its complete form with the pointed ends of the nails 6 projecting beyond the upper layer 1 with the heads of said nails embedded in the resilient layer 2 and in contact with a metallic protruding plate 3, whereby the heel thus constructed can be readily attached to a shoe without disconnecting the various layers.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Having thus described my invention, what I claim is;

In a heel, a plurality of layers the lower one of which is composed of rubber, nails passing through said layers with their attaching ends projecting beyond the same, a metallic wear and protecting plate conforming to the shape of the layers and having a flat surface for contact with the rubber layer and the heads of the nails, a flange

extending about the periphery of the plate
except at the breast end and forming an in-
tegral part of the plate, a filling layer con-
fined within the flange of the plate with its
5 breast edge on a line with the adjacent
breast edges of the remaining layers and
plate, and fastening devices for securing
the filling layer and plate to the adjacent
rubber layer, whereby the heel can be read-

ily attached to a shoe without the employ- 10
ment of additional fastening devices.

In testimony whereof I have hereunto
set my hand in presence of two subscribing
witnesses.

WILLIAM E. STEDMAN.

Witnesses:

EDGAR E. BAGLEY,
THOS. W. DUTRO.