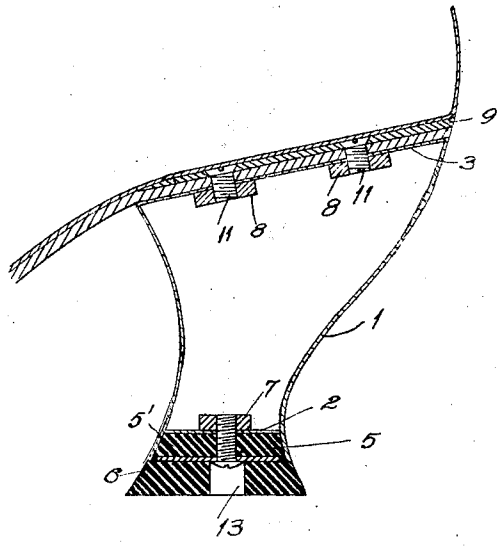
Jan. 26, 1926. 1,571,112

C. C. FOSTER

HEEL FOR BOOTS AND SHOES

Filed May 20, 1922

Fig. 1.



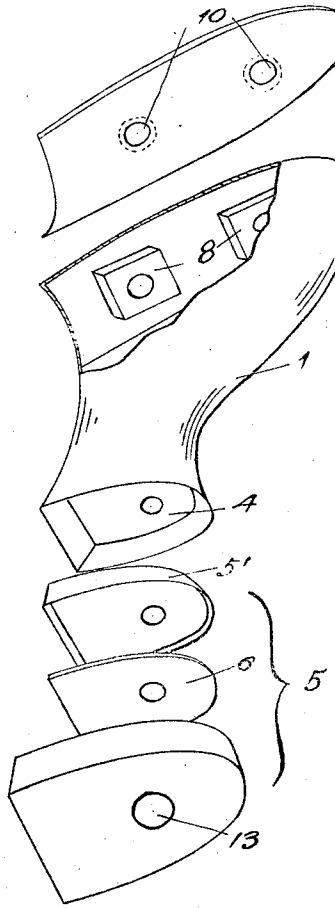


Fig. 2.

Inventor
C. C. Foster
by Harry Cohen
Attorney

Patented Jan. 26, 1926. 1,571,112

UNITED STATES PATENT OFFICE.

CLARENCE CURTIS FOSTER, OF COVINGTON, KENTUCKY.

HEEL FOR BOOTS AND SHOES.

Application filed May 20, 1922. Serial No. 562,353.

To all whom it may concern:

Be it known that I, CLARENCE CURTIS FOSTER, a citizen of the United States, and a resident of the city of Covington, in the county of Kenton and the State of Kentucky, have invented certain new and useful Improvements in Heels for Boots and Shoes, of which the following is a specification.

My invention relates to heels for boots and shoes and more particularly to detachable heels having a hollow metallic body provided with a cushioned tread member and has for its main object the provision of a light metal heel adapted to be easily attached to and removed from the boot or shoe and to be secured thereto in a firm and reliable manner.

Another object of the invention is to provide the metallic body of the heel with means designed to prevent the heel from wearing loose.

A further object is to provide a metal heel adapted to have attached thereto securely but removably a cushioned tread member.

The invention is designed to accomplish the above and other objects that will be apparent from the following description and the accompanying drawings in which:

Fig. 1 shows a sectional view of the heel attached to the shoe, and

Fig. 2 represents perspective views of several parts of the heel in disassembled relation, the metallic body being partly broken away to show the steel wear nuts forming an important feature of the invention.

Referring to the drawings, it will be seen that the metallic body 1, constructed preferably of a light metal such as aluminum, is hollow and suitably shaped as shown and is provided with the base member 2 and the top or ceiling member 3, the side walls of the metallic body terminating at the ceiling 3 but continuing beyond the base member 2 to provide a recess 4 adapted to receive the cushioned tread member 5 having a reinforcing plate 6 imbedded therein. The base 2 is preferably integral with the side walls of the body 1 and may be so formed preferably by die casting, as is well known to those skilled in the art. The top member or ceiling 3 is formed separate from the rest of the heel and then is attached thereto for a purpose hereinafter described.

A very important and valuable feature of my invention resides in the provision of the steel wear nuts 7 and 8, the nut 7 being welded to the top surface of the base 2 and the nuts 8 being welded to the under surface of the ceiling 3, and in order to weld the nuts in place, as thus described, it is preferred to form the ceiling 3 separately and then attach it to the body of the heel as hereinbefore stated. It is to be understood that while I have described one way of securing the top member and the wear nuts in place other methods such as integral casting may be employed.

Heretofore it has been the practice to attach the body of the heel to the shoe by means, such as screws, passing directly into the metal of the body itself but as such heels are made, usually of aluminum, the metal body wears loose as the aluminum offers little resistance to the wearing action of the screws and the heels are stripped from the shoe. By providing the steel wear nuts and welding same to the metal body constituting the main body of the heel, there is provided a firm and secure and wear resisting means to receive the screws or other fastening means used to attach the metal body to the shoe.

To attach the heel to the shoe, I have provided a metal plate 9 which is inserted inside of the shoe as shown in Figure 1. This plate 9 has two holes 10 through which the screws 11 pass for threading into the steel wear nuts 8, the holes 10 being counter sunk so that the heads of the screws will be flush with the top surface of the plate. The screws are preferably of steel and together with the steel wear nuts serve to hold the metal body 1 securely in place.

To attach the tread member 5 to the metal body, there is a screw 12 which is received into an opening 13 extending about half way through the lower part of the tread member, said opening being slightly larger than the screw 12. The screw passes through an opening in the reinforcing plate 6, through the upper part of the tread member 5 and is threaded into the wear nut 7 as will be obvious from an inspection of the drawings particularly Fig. 1. The tread member 5 is provided with a reduced portion 5′ which is received in the recess 4.

It will be seen that the invention consists of a simple arrangement of parts and results in a light heel that may be attached to a heel part of the shoe without danger of the heel being stripped therefrom. It will be obvious that the heel may be of any de-

sired shape and for any particular type of shoe.

While I have shown and described my invention in its preferred form, it is apparent that certain changes in the construction and arrangement of parts may be made without departing from the scope of the invention as defined by the appended claim.

Having thus described my invention what I claim is:

A heel comprising a shell of relatively soft material, and a cover plate for said shell, said cover plate being provided with relatively hard wear nuts disposed on the inner face thereof, said wear nuts being adapted to be engaged by a threaded member passing through said cover plate, for the purpose described.

In witness whereof, I have hereunto affixed my signature.

CLARENCE CURTIS FOSTER.