

J. A. ENRIGHT.
ATTACHMENT FOR SHOE HEELS.
APPLICATION FILED APR. 14, 1911.

1,021,510.

Patented Mar. 26, 1912.

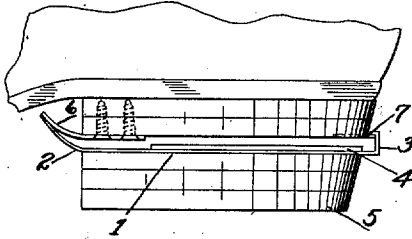


Fig. 1

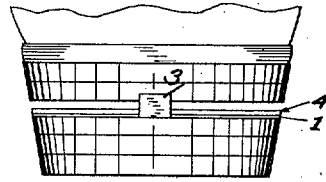


Fig. 2.

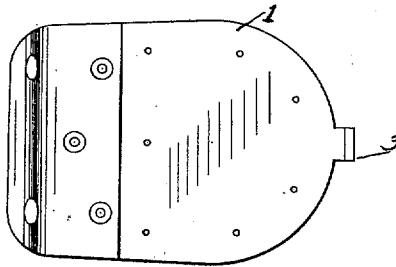


Fig. 3.

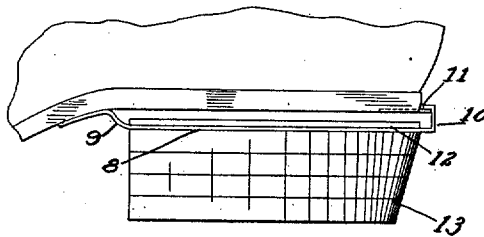


Fig. 4.

Witnesses

W. B. B. B.
A. L. Phelps

John A. Enright Inventor

By *C. C. Shepherd* Attorney

UNITED STATES PATENT OFFICE.

JOHN A. ENRIGHT, OF COLUMBUS, OHIO.

ATTACHMENT FOR SHOE-HEELS.

1,021,510.

Specification of Letters Patent. Patented Mar. 26, 1912.

Application filed April 14, 1911. Serial No. 621,070.

To all whom it may concern:

Be it known that I, JOHN A. ENRIGHT, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Attachments for Shoe-Heels, of which the following is a specification.

This invention relates to an attachment for shoe heels and is devised to provide an improved structure of heel which will permit of a cushioning effect upon the heels of the wearer when walking. In the perfecting of this design, one of the principal objects has been to utilize such a structure and such materials that the effect of constant wear is greatly minimized in comparison with former devices, such as rubber heels or the like. It is further aimed in effecting the result, to obviate any excessive noise and in effect render the heel practically soundless when the wearer is walking.

Preferred embodiments of my invention are shown in the accompanying drawings, in which:

Figure 1 is a side elevation of the heel section of a shoe with one form of my attachment applied thereto, Fig. 2 is a rear elevation of the same form as applied to the heel section, Fig. 3 is a top plan view of the cushioning device shown in Fig. 1, and, Fig. 4 is a side elevation of a heel section showing a modified form of cushioning device.

Referring specifically to the drawings, in which similar characters of reference designate corresponding parts: a body plate 1 of practically the same contour as a heel, is provided at its forward end with an upwardly curved portion 2 and at its rear end with a vertical plate member 3, desirably integrally formed thereon and having its upper surface partially covered with a layer of rubber 4 and its under surface carrying a suitable number of layers of leather or rubber 5. In the adaption of this form of cushioning device to the heel, the heel is desirably split at about its central point and the lower layers constitute the layers 5. Mounted upon the forward end of the upper layers is an upwardly curved metal member 6 riveted at its free end to the upwardly

curved portion 2 of the base plate 1. It is desirable that the curves of the portions 2 and 6 be different, inasmuch as this is the point of resilience. Mounted upon the rear of the upper layers, before mentioned, is a lug 7 over which the hook flange 3 extends and which forms a limit for the downward movement of the base plate 1 with respect to the upper layers.

A slight modification of this device is shown in Fig. 4 and it consists in the application of a heel with a base plate attachment to a heelless shoe. In this form, the base plate 8 is of a shape to conform to the heel and is provided at its forward end with an upwardly and then downwardly curved extension 9 fastened to the instep of the shoe. There is likewise provided a hook flange 10 preferably formed integrally upon the rear of the base plate 8 and co-acting with a limiting lug 11 upon the rear of the shoe heel. A cushioning layer 12 may be provided as in the original form and the heel proper 13 is carried by the under surface of the plate 8.

In either of these forms, it must be understood that the layers 4 and 12 may be superseded by a vulcanized coating of rubber applied thereto in the usual manner.

What I claim, is—

1. A heel cushioning device comprising a bowed plate of resilient material connected at one end to the shoe and carrying the heel proper upon its other end.

2. A heel cushioning device comprising a metallic base plate carrying the heel proper upon one end, and an extension thereon at the other end for connection to the shoe.

3. A heel cushioning device comprising a base plate of bowed resilient material and carrying a heel, an extension on one end of said plate for attachment to the shoe, and means at the opposite end of said plate and on the shoe for limiting the spreading action of said plate with respect to said shoe.

4. A heel cushioning device comprising a split heel, an upwardly curved flange on the forward edge of the upper portion of said split heel, a plate secured to said upwardly curved flange and extending rear-

wardly in substantially parallelism with the
said upper portion of said heel, the lower
portion of said heel carried by said plate,
and means on said plate and on the upper
5 portion of said heel for limiting spreading
action of the said plate with respect to said
upper portion.

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

JOHN A. ENRIGHT.

Witnesses:

JOHN H. EAGLESON,
EDWIN P. CORBETT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
