J. JASUS, A. PASTOR & G. BLASKO.

SPRING HEEL FOR SHOES.

APPLICATION FILED JAN. 19, 1914.

1,098,804. Patented June 2, 1914.

Fig. 1.

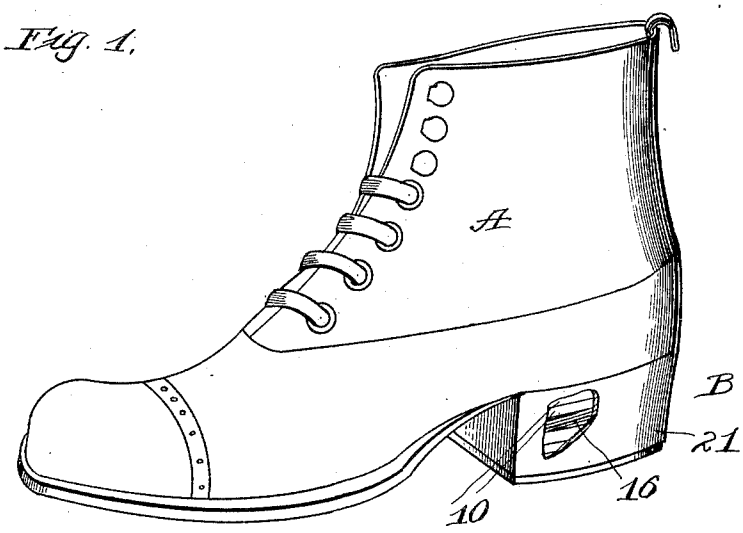


Fig. 2

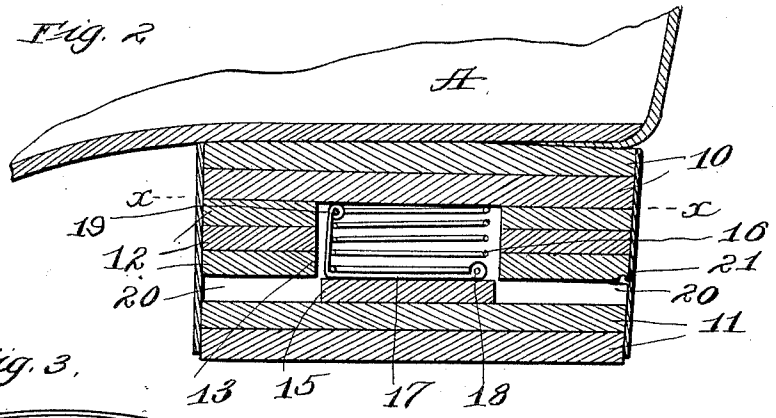


Fig. 3.

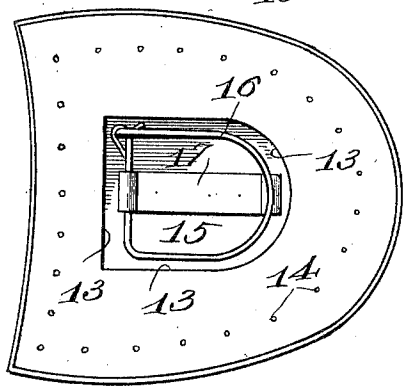
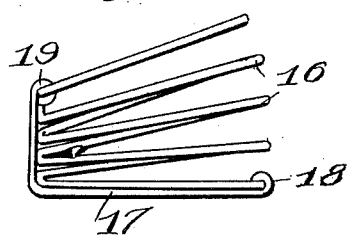


Fig. 4.



Witnesses

G. A. Pambuschmidt

M. E. Lowry

Inventors

John Jasus,
A. Pastor,
G. Blasko.

By A. M. Wilson

Attorney

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAHN JASUS, ANDY PASTOR, AND GEORGE BLASKO, OF STREATOR, ILLINOIS.

SPRING-HEEL FOR SHOES.

1,098,804. Specification of Letters Patent. Patented June 2, 1914.

Application filed January 19, 1914. Serial No. 812,931.

To all whom it may concern:

Be it known that we, JAHN JASUS, ANDY PASTOR, and GEORGE BLASKO, subjects of the Emperor of Austria-Hungary, residing at Streator, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Spring-Heels for Shoes, of which the following is a specification.

This invention relates to certain new and useful improvements in spring heels for shoes.

An object of the invention is to provide a spring heel for shoes in which the spring or cushioning member is entirely hidden from view.

A further object of the invention is to provide a cushioning device for the heels of shoes to absorb sudden shocks and jars incident to walking, thereby obviating undue injury and strain of the feet.

With the above and other objects in view which will appear as the nature of the invention is better understood, the same consists of the novel construction, combination and arrangement of parts to be hereinafter more fully described and then claimed, reference being had to the accompanying drawing by like characters throughout the several views, wherein:—

Figure 1 is a perspective view of a shoe embodying our invention. Fig. 2 is an enlarged longitudinal sectional view of the heel. Fig. 3 is a horizontal sectional view taken on the line X—X of Fig. 2. Fig. 4 is an enlarged side elevational view of the spring.

Referring more particularly to the drawing accompanying this application, the reference letter A designates the shoe having the heel B. The heel B is formed of a plurality of lifts, preferably as shown, being seven in number. The lifts 10 and 11 are of the usual form and are connected together in any suitable manner.

The three central lifts designated 12 have centrally-disposed cut-out portions 13 as best seen in Figs. 2 and 3. The front walls of the cut-out portions of the lifts 12 are right-angularly disposed with respect to the side walls of the cut-out portions, while the rear walls thereof are suitably curved as shown. The lifts 10, 11 and 12 are provided with suitable nail or screw openings 14 by which the several lifts are secured together.

Supported upon the uppermost of the lower lifts 11 is a block 15 of a contour similar to the cut-out portions 13 and mounted upon said block is the spring cushioning member for the heel.

The spring is formed of a single length of resilient wire designated 16 and bent to a form similar to the block 15 but slightly smaller than said block. As a securing means for the spring 16, we employ a simple and inexpensive device consisting of an L-shaped strip 17 of sheet metal, the rear end of which is bent around the lower convolution of the spring at a point central of its width as shown at 18, and the front end of which extends upward over the front portions of the convolutions, and has its upper extremity 19 bent around the upper convolution of the spring. The rear end of the spring constitutes the cushioning portion thereof and as shown in Fig. 4, its action is perfectly free.

The spring 16 and sheet metal strip 17 are suitably secured to the block 15 and in the assembled position as shown in Fig. 2, the said spring extends upwardly into the cut-out portions of the intermediate lifts 12 and engages the lowermost lift of the upper lifts 10. A space 20 substantially equal to the thickness of the block 15 allows the spring 16 to be compressed and distended.

The several lifts described are all secured together by a flexible band 21 surrounding the same.

It is to be noted that the addition of the above described spring to the heel of a shoe does not in any way mar the beauty thereof and will effectively cushion the heel and relieve the foot of the wearer from undue strain and jars.

While we have shown and described the preferred embodiment of our invention, we do not wish to confine ourselves thereto as various forms, modifications, and arrangement of the parts as shown may be had without departing from the spirit and scope of the invention as claimed.

What we claim as new and desire to secure by Letters Patent of the United States is:—

1. A spring heel for shoes, comprising a plurality of lifts, some of the intermediate lifts having registering openings, a spring having its convolutions bent to conform to the shape of said openings, a block supported below said openings on an adjacent lift of the heel, means for securing the

spring to said block consisting of a metal strip having its lower end below the lowest convolution of the spring and secured thereto, and its opposite end extending upward and secured to the upper convolution of the spring, and a flexible shield inclosing the heel lifts.

2. A spring heel comprising a plurality of lifts, some of which are formed with registering openings, a block conforming to the shape of said openings and secured on an adjacent lift of the heel below said openings, a spring having its convolutions bent to conform to the shape of said block, an L-shaped strip supported on said block, and having its longer arm extending under the lowest convolution of the spring and secured thereto, and its shorter arm extending upward in front of the upper spring convolution and secured thereto, and a flexible shield inclosing the heel lifts.

In testimony whereof we affix our signatures in presence of two witnesses.

JAHN JASUS.
ANDY PASTOR.
his
GEORGE × BLASKO.
mark

Witnesses:
L. D. Howe,
John Frapp.
Witnesses to mark:
M. Horack,
Chas. Horack.

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