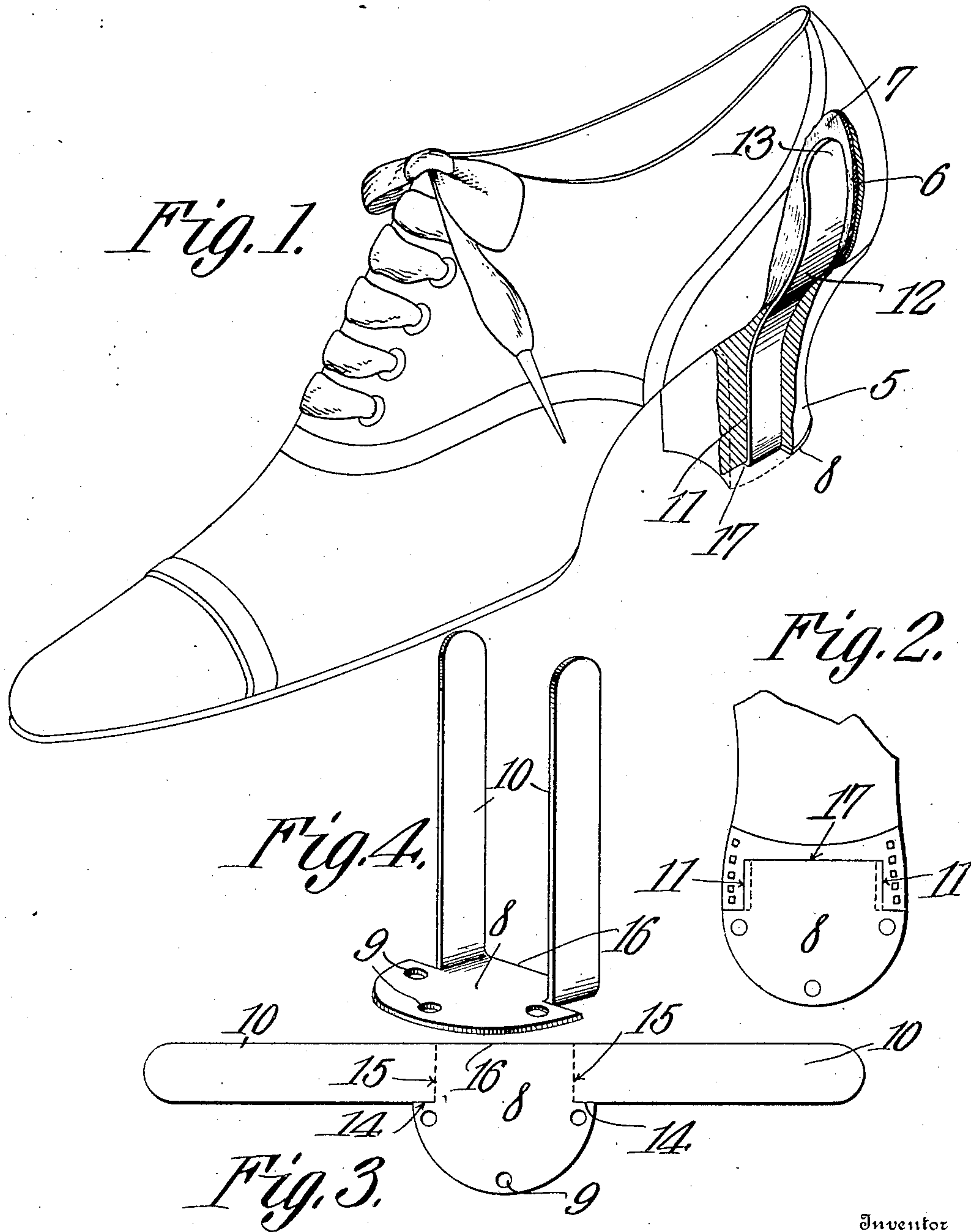


No. 882,109.

PATENTED MAR. 17, 1908.

V. E. HARRIS.  
HEEL SUPPORT FOR SHOES.  
APPLICATION FILED MAY 17, 1907.



Witnesses  
*E. J. Stewart*  
*L. J. Austin*

*Vay E. Harris.* Inventor  
3814 *C. A. Snow & Co.* Attorneys



# UNITED STATES PATENT OFFICE.

VAY ELEANOR HARRIS, OF WAY CROSS, GEORGIA.

## HEEL-SUPPORT FOR SHOES.

No. 882,109.

Specification of Letters Patent.

Patented March 17, 1908.

Application filed May 17, 1907. Serial No. 374,243.

*To all whom it may concern:*

Be it known that I, VAY ELEANOR HARRIS, a citizen of the United States, residing at Way Cross, in the county of Ware and State of Georgia, have invented a new and useful Heel-Support, of which the following is a specification.

This invention relates to a combined heel plate and counter support and has for its object to provide a comparatively simple and inexpensive device of this character capable of being readily attached to a boot or shoe and which performs the dual function of a wear plate for the tread surface of the heel and a brace or support for the counter of the shoe.

A further object of the invention is to provide a heel plate having oppositely disposed arms which pierce the body of the heel and are thence curved laterally and extended upwardly between the counter and lining of the shoe, thereby to reinforce the heel and prevent the same from turning.

A still further object of the invention is generally to improve this class of devices so as to increase their utility, durability and efficiency as well as to reduce the cost of manufacture.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view partly in section of a shoe provided with a combined heel plate and counter support constructed in accordance with my invention. Fig. 2 is a bottom plan view of the heel plate. Fig. 3 is a plan view of the blank. Fig. 4 is a perspective view showing the blank folded into shape.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved heel plate forming the subject matter of the present invention is principally designed for attachment to boots, shoes and other foot wear and by way of illustration is shown in position on a shoe of the ordinary construction in which 5 designates the heel, 6 the counter and 7 the lining.

The device is preferably stamped or other-

wise formed from a single piece of metal and comprises a body portion 8 having its rear end curved to conform to the curvature of the heel and provided with a marginal row of perforations 9 for the reception of screws, nails or similar fastening devices and by means of which the plate may be retained in position on the tread surface of the heel.

Projecting from opposite sides of the body portion are laterally extending spring arms 10 which extend upwardly through vertical slots or recesses 11 formed in the heel of the shoe and are thence curved laterally at 12 and interposed between the counter 6 and lining 7, as shown, thereby to form a brace for the counter of the shoe and assist in preventing turning of the heel. The upper or free ends of the spring arms 10 terminate near the upper edge of the counter 6 and are preferably curved or rounded at 13 so as to prevent cutting or otherwise injuring the lining and leather forming the counter of the shoe.

The body portion 8 is provided with inwardly extending cuts or slits 14, there being fold lines 15 disposed at the juncture of the arms 10 and body portion and intersecting the slits 14 thereby to permit the arms 10 to be readily folded into the proper shape preparatory to inserting the same within the recesses 11 of the heel. The plate 8 is preferably counter sunk in the tread surface of the heel with its forward or straight edge 16 spaced inwardly from the inner face of the heel and bearing against a shoulder 17 thereby to assist in preventing accidental displacement of the plate.

In using the device the arms 10 are bent laterally on the fold lines 15 at substantially right angles to the horizontal plane of the body portion 8 and thence inserted within the recesses 11 and forced upwardly between the lining and counter of the shoe, as shown. It will thus be seen that the body portion 8 forms a wear plate for the lower tread surface of the shoe while the arms 10 form a brace on both the counter and heel of the shoe. By extending the arms 10 vertically through the heel, said heel is not only reinforced and strengthened, but the arms effectually housed so as to prevent injury to the same.

From the foregoing description it will be seen that there is provided an extremely



simple, inexpensive and efficient device admirably adapted for the attainment of the ends in view.

Having thus described the invention what is claimed is:

1. The combination with a shoe, of a heel plate having oppositely disposed arms which extend upwardly through the body of the heel for engagement with the counter of the shoe.

2. The combination with a shoe, of a heel plate secured to the tread surface of the heel of the shoe and provided with oppositely disposed arms which extend upwardly through the body of the heel and are thence bent laterally and interposed between the counter and lining of the shoe.

3. The combination with a shoe, of a heel plate counter sunk in the tread surface of the heel of the shoe and provided with oppositely disposed arms which pierce the body portion of the shoe and are provided with curved terminals interposed between the counter and lining of said shoe.

4. The combination with a shoe, of a heel plate counter sunk in the tread surface of the heel of the shoe and having one end thereof curved to conform to the curvature of the heel, and arms extending laterally from the

opposite sides of the plate and projecting vertically through the heel with their upper ends interposed between the counter and lining of the shoe.

5. The combination with a shoe, of a heel plate secured to the tread surface of the heel of the shoe and provided with oppositely disposed spring arms which extend vertically through the body of the heel and are thence bent laterally and curved to conform to the counter of the shoe, the terminals of said arms being rounded and interposed between said counter and the lining of the shoe.

6. As an article of manufacture a heel plate having one end thereof curved and provided with oppositely disposed attaching arms, one longitudinal edge of each of which is disposed in alinement with the opposite end of the plate, there being inwardly extending slits formed in the plate at the opposite longitudinal edge of each arm, thereby to permit the arms to be bent laterally at substantially right angles to the horizontal plane of the plate.

VAY ELEANOR HARRIS.

Witnesses:

BENJ. G. PORKS,  
E. A. POUND.