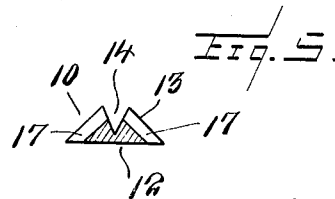
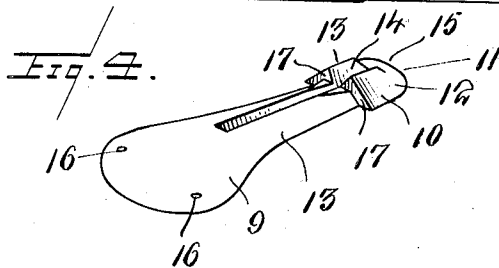
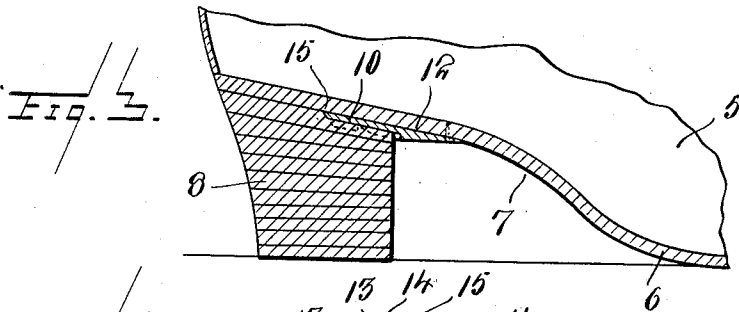
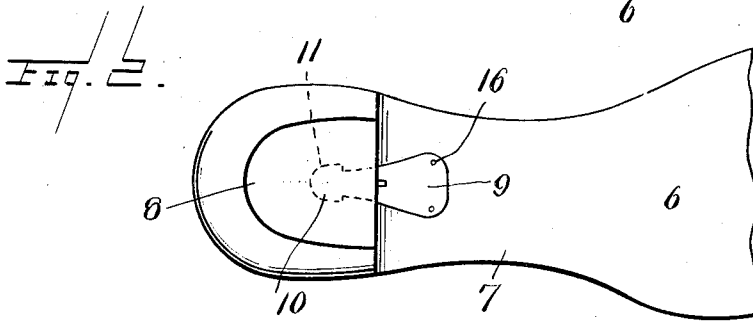
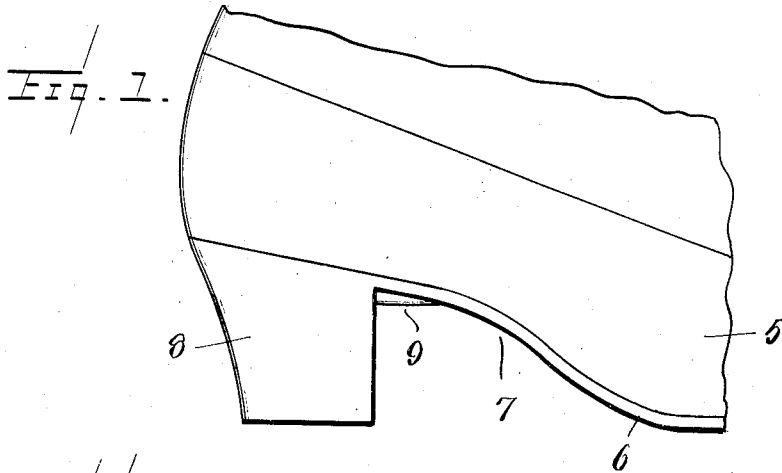


F. H. JENTZ.  
SHOE ATTACHMENT.  
APPLICATION FILED MAY 15, 1912.

1,057,244.

Patented Mar. 25, 1913.



Witnesses

E. Q. Ruppert  
V. O. Anderson

Inventor

Frank H. Jentz

By

Victor J. Evans

Attorney

# UNITED STATES PATENT OFFICE.

FRANK H. JENTZ, OF LONG PRAIRIE, MINNESOTA.

## SHOE ATTACHMENT.

1,057,244.

Specification of Letters Patent.

Patented Mar. 25, 1913.

Application filed May 15, 1912. Serial No. 697,535.

*To all whom it may concern:*

Be it known that I, FRANK H. JENTZ, a citizen of the United States, residing at Long Prairie, in the county of Todd and State of Minnesota, have invented new and useful Improvements in Shoe Attachments, of which the following is a specification.

The invention relates to a shoe attachment, and more particularly to the class of foot wear supports or reinforcing devices.

The primary object of the invention is the provision of a support or reinforcing element of this character in which the arch of a shoe will be prevented from breaking, also the heel will be prevented from turning thereby sustaining the entire shoe neat and in its original shape for assuring comfort to the wearer and avoiding foot trouble.

Another object of the invention is the provision of a device of this character which can be mounted in the arch of a shoe and engaged in the heel thereof irrespective of the size, shape or style of the same so as to strengthen said shoe to prevent the formation of creases therein and also to obviate deformities in the foot which result from wearing a shoe that has become unshapely and in this manner relieving foot troubles.

A further object of the invention is the provision of a device of this character which is simple in construction, readily and easily applied to a shoe and inexpensive in manufacture.

With these and other objects in view the invention consists in the construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawing, and pointed out in the claims hereunto appended.

In the drawing:—Figure 1 is a fragmentary side elevation of a shoe showing the device applied thereto. Fig. 2 is a bottom plan view thereof. Fig. 3 is a fragmentary vertical longitudinal sectional view. Fig. 4 is a perspective view of the device removed from the shoe. Fig. 5 is a transverse sectional view thereof.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawings by numerals 5 designates generally the shoe, 6 the sole, 7 the arch, and 8 the heel thereof, the shoe be-

ing of the ordinary well-known construction, and on which is adapted to be mounted the attachment presently described.

The attachment comprises a substantially pear-shaped plate 9, preferably constructed from malleable iron although the same may be made from any other suitable material having the requisite rigidity and strength, the smaller end of the plate being formed with a head 10, provided with a rounded edge 11, the inner faces of the plate 9 and the head 10 being flattened as at 12, while the outer faces thereof are outwardly bowed or flared as at 13 and provided in the outer face centrally of the said plate is a V-shaped groove 14 which terminates medially of the plate 9 and extends into the head 10 for a purpose presently described.

The head 10 at its side and rounded edges is formed with continuous beveled surfaces 15 to present a chisel edge thereto whereby the said head can be driven into the heel between the innermost ply thereof and the body of the shoe adjacent thereto, as shown in Fig. 1 of the drawing, the groove 15 being designed to form a rib in the innermost ply of the heel 8, and is adapted to receive said rib so as to prevent any possible displacement of the heel or the plate 9, while formed near the larger end of the latter are suitable apertures receiving fasteners 16 which engage in the arch 7 of the shoe the plate 9 being positioned to underlie the arch 7 of the shoe in a manner as shown in Figs. 1 and 2 of the drawing. It is of course understood that the size of the device may be varied and also the shape thereof should it be desired.

The device when placed upon the shoe and fastened thereto in a manner as heretofore described will reinforce the arch so as to prevent the breaking thereof as well as obviating the running under of the heel thereby sustaining the shoe in its original shape to assure comfort to the foot of the wearer and to avoid foot troubles during the wearing of the shoe. The head 10 at the inner end is formed with straight shoulders 17 which prevent the working loose of the head when engaged in the heel as will be clearly obvious.

From the foregoing description, taken in connection with the accompanying drawing, it is thought that the construction and

operation of the invention will be clearly understood, and therefore, a more extended explanation has been omitted.

What is claimed is:—

- 5 1. The combination with a shoe, of a support comprising a substantially pear-shaped plate having an enlarged head provided with a beveled edge adapted to be driven  
10 into the heel of said shoe at the juncture of the arch portion therewith, means passed through the plate and engaging the arch  
15 portion of the shoe, the said head and plate being formed with a V-shaped groove extending longitudinally therein centrally of the same.
2. The combination with a shoe, of a support comprising a substantially pear-shaped

plate having an enlarged head provided with a beveled edge adapted to be driven into the heel of said shoe at the juncture of the arch portion therewith, means passed through the plate and engaging the arch portion of the shoe, the said head and plate being formed with a V-shaped groove extending longitudinally therein centrally of the same, the said plate being formed with an outwardly bowed portion tapering in the direction of the head. 20 25

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

FRANK H. JENTZ.

Witnesses:

JOHN J. REICHERT,  
J. A. LOEGERING.