

E. HUNOLD.
HEEL PLATE BLANK.
APPLICATION FILED SEPT. 30, 1913.

1,104,192.

Patented July 21, 1914.

Fig. 1.

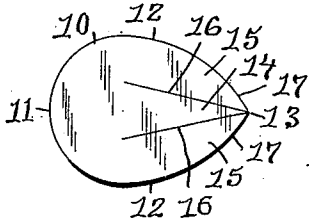


Fig. 3.

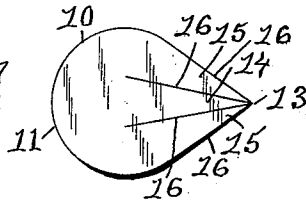


Fig. 5.

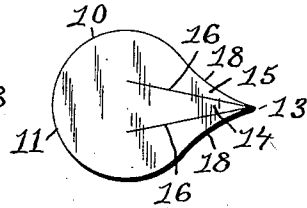


Fig. 2.

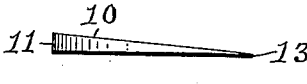


Fig. 4.

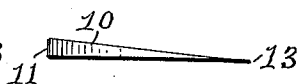


Fig. 6.



Fig. 7.

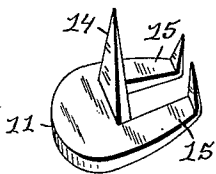


Fig. 8.

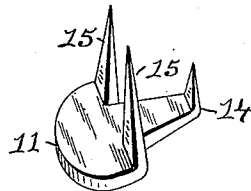
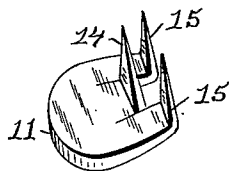


Fig. 9.



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HEEL-PLATE BLANK.

1,104,192.

Specification of Letters Patent.

Patented July 21, 1914.

Original application filed April 21, 1913, Serial No. 762,583. Divided and this application filed September 30, 1913. Serial No. 792,630.

To all whom it may concern:

Be it known that I, ERNEST HUNOLD, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Heel-Plate Blanks, of which the following is a specification.

My invention has reference to an improvement in heel protectors or that form of heel protectors known as heel plates or wearing plates for the heels of boots and shoes, and more particularly to an improvement in heel plate blanks, reference being had to my application for an improvement in heel plates, filed April 21, 1913, Serial No. 762,583, allowed August 16, 1913, of which this is a divisional application.

The object of my invention is to improve the construction of a heel plate blank, whereby a heel plate having a long central prong and two short end prongs, or a heel plate having two long side prongs and one short end prong or a heel plate having all of the prongs of approximately the same length may be formed from the one form of heel plate blank.

My invention consists in the peculiar and novel construction of a heel plate blank, said heel plate blank having details of construction as will be more fully set forth hereinafter and claimed.

Figure 1. is a face view of my improved heel plate blank. Fig. 2. is an edge view of the blank. Fig. 3. is a face view of a modified form of heel plate blank. Fig. 4. is an edge view of the modified form of blank shown in Fig. 3. Fig. 5. is a face view of a still further modified form of heel plate blank. Fig. 6. is an edge view of the modified form of blank shown in Fig. 5. Fig. 7. is a perspective view showing one form of a heel plate formed from my improved heel plate blank. Fig. 8. is a perspective view showing another form of a heel plate formed from the same form of blank, and Fig. 9. is a perspective view showing still another form of a heel plate formed from the same form of blank.

In the drawings, 10 indicates my improved heel plate blank stamped preferably from knife edge bar metal. The blank 10 has a semi-circular end 11 and rounded sides 12. 12. which converge to form a pointed opposite end 13. from which point the blank is split

back approximately two-thirds the length of the blank toward the end 11, into three equal portions forming a pointed central and two pointed side arms 14 and 15. 15. respectively. The central arm 14 has the straight edges 16. 16. and the side arms 15. 15. each have a straight inner edge 16. and a convexly curved outer edge 17. as shown in Fig. 1.

In the modified form as shown in Fig. 3. the central and two side arms all have the same straight edges 16. 16. making the three arms the same size and shape. In the modified form shown in Fig. 5. the central arm has straight edges 16. 16. and each of the side arms has a straight inner edge 16. and a concaved outer edge 18. this form being preferable when the blank is formed from sheet metal having a uniform thickness.

The arms on my improved heel plate blank may be bent up to form a heel plate having a long central pointed prong and two short pointed end prongs, as shown in Fig. 7. or the arms may be bent up to form a heel plate having two long pointed side prongs and one short pointed end prong, as shown in Fig. 8. or the arms may be bent up to form a heel plate having three pointed prongs of approximately the same length, as shown in Fig. 9. also the prongs may be twisted relative to each other or bent so that the points will converge toward each other. The blank is struck up preferably from knife edge bar stock as shown in Fig. 2. but may be struck up out of flat sheet metal, as shown in Fig. 6.

Having thus described my invention I claim as new:—

1. A heel plate blank stamped from sheet or bar metal and having a semi-circular end and rounded sides which converge to form a pointed opposite end from which pointed end the blank is split back toward the semi-circular end approximately two thirds the length of the blank, forming a pointed central and two pointed side arms, the pointed ends of which all meet at the pointed end of the blank.

2. A heel plate blank having a flat body portion, a rounded end, and two sides which converge to form a pointed opposite end from which pointed end the blank is split back toward the rounded end of the blank, forming a pointed central and two side arms, the pointed ends of the central and side arms all meeting at the pointed end of the blank.

3. A heel plate blank having a flat body
portion, a rounded end, and two sides which
converge to form a pointed opposite end and
from which pointed end the blank is split
5 back forming a plurality of equally disposed
pointed arms, the pointed ends of the arms
all meeting at the pointed end of the blank.
4. A heel plate blank having a flat body
portion, a pointed end, and a plurality of
10 arms having pointed ends the pointed ends

of the arms forming the pointed end of the
blank.

In testimony whereof, I have signed my
name to this specification in the presence of
two subscribing witnesses.

ERNEST HUNOLD.

Witnesses:

JOHN H. McNULTY,
CHAS. H. LUTHER.

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