A. BARAN.

HEEL PLATE.

APPLICATION FILED DEC. 24, 1917. RENEWED MAR. 8, 1919.

1,304,530. Patented May 27, 1919.

Fig. 1.

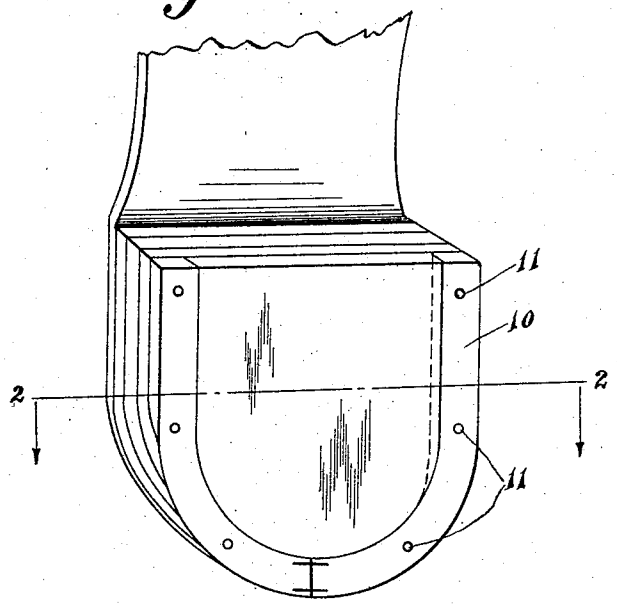


Fig. 2.

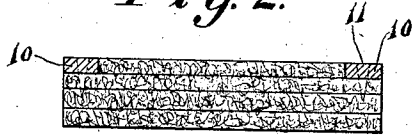


Fig. 3.

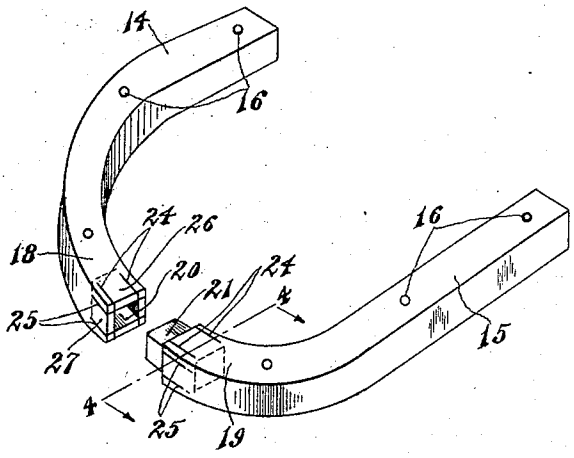
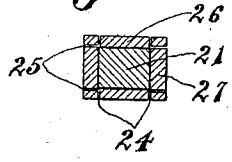


Fig. 4.



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HEEL-PLATE.

1,304,530. Specification of Letters Patent. Patented May 27, 1919.

Application filed December 24, 1917, Serial No. 208,571. Renewed March 8, 1919. Serial No. 281,550.

To all whom it may concern:

Be it known that I, ANDRZEJ BARAN, a subject of the Emperor of Austria, resident of Fabyan, county of Windham and State of Connecticut, have invented certain new and useful Improvements in Heel-Plates, of which the following is a specification.

This invention relates to improvements in heel plates and particularly to types used for reinforcing the heel and reducing the wear thereof.

The principal object of the invention is to provide a plate which may be readily applied by a cobbler or shoe-maker and which is so shaped as to receive and distribute wear of the heel, thereby prolonging its use.

A still further object is to provide a heel plate comprised of two separate sections which, when assembled, consists of a U shaped frame having the durability of an integrally formed plate and besides which is capable of being readily adjustable to suit heels of various sizes.

These and other like objects are attained by the novel construction and combination of parts hereinafter described and shown in the accompanying drawing, forming a material part of this specification, and in which—

Figure 1 is a perspective view showing a heel plate made in accordance with the invention and indicating its application.

Fig. 2 is a transverse sectional view taken on line 2—2 of Fig. 1.

Fig. 3 is a perspective view showing a preferred embodiment of the invention, and

Fig. 4 is an enlarged transverse sectional view taken on line 4—4 of Fig. 3.

As shown in Figs. 1 and 2, a rectangular bar, of relatively hard metal, is bent into a loop substantially U shaped and provided with a plurality of perforations 11, to receive securing means as the nails shown in Fig. 2.

Obviously however to fit heels of different sizes with such devices would compel a shoe-maker to carry a relatively large stock of the same so as to suit customers.

Therefore the form shown in Figs. 3 and 4 is preferably used, the same consisting of bent bar elements 14 and 15, shaped to conform to the marginal outlines of a heel and provided with openings 16 for securing elements, as in the manner before explained.

The curved portions 18 and 19 of the bars, which are adapted to engage closely together, are formed with rectangular openings 20 receptive of rigid rectangular plugs 21, while the adjacent contacting edges of the portions 18 and 19 have formed through them cuts 24 and 25, respectively on the side and the inner and outer surfaces, leaving between them resilient projections 26 and 27 adapted to receive the plug 21, and hold it firmly, while at the same time the cuts materially assist in shortening the contacting ends so that the side elements 14 and 15 may be placed closer together to suit a smaller sized heel, and it is to be understood that the various cuts or kerfs 24 and 25, are so formed as to register with the interior walls of the openings 20, as is clearly indicated by the drawings.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is—

1. In a heel plate, two bent bar elements adapted to engage with the margin of a heel, a rectangular recess formed in the adjacent ends of said bar elements, and a plug adapted to enter said rectangular recesses whereby they are held in register.

2. In a heel plate, the combination with a pair of oppositely disposed bent metallic elements suited to a heel of a shoe and means for securing said elements in position, of rectangular openings formed in the adjacent curved ends of said elements, projections formed on the ends of said elements, said fingers being in register with the interior walls of said recesses, and a rectangular plug suited to enter said recesses and become engaged by said projections.

3. In a heel plate, the combination with a pair of oppositely disposed side elements suited to the margin of a heel, said elements having rectangular openings formed in their contacting ends, of resilient projections formed on the ends in alinement with the interior walls of said openings, said projections extending from both sides thereof, and a rigid plug engageable by said projections, said plug entering the openings formed at the adjacent ends of said elements.

In testimony whereof I have affixed my signature.

ANDRZEJ BARAN.