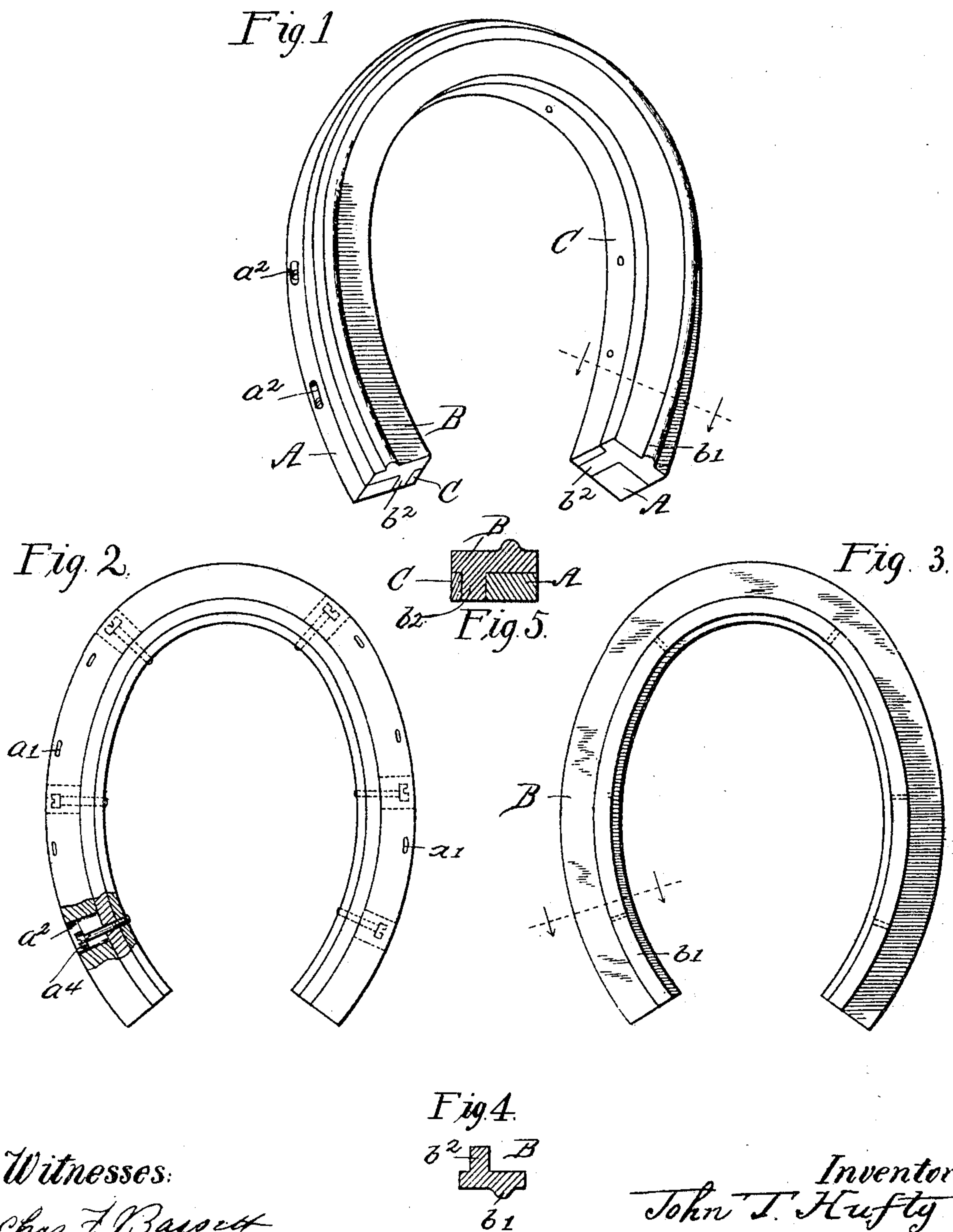


J. T. HUFTY.  
HORSESHOE.

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Witnesses:  
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# UNITED STATES PATENT OFFICE.

JOHN T. HUFTY, OF DELAVAN, ILLINOIS.

## HORSESHOE.

No. 799,057.

Specification of Letters Patent.

Patented Sept. 12, 1905.

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*To all whom it may concern:*

Be it known that I, JOHN T. HUFTY, a citizen of the United States, residing at Delavan, in the county of Tazewell and State of Illinois, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification.

This invention relates to improvements in the construction of horseshoes of the cushion type; and the especial object of the improvements is to provide a horseshoe having a suitable rubber-cushion section or portion which conforms as closely as possible in form and style to the horseshoes in common use and which would therefore require but little change in the construction of such shoes.

A further object of my invention is to provide a shoe in which when the rubber is worn out a new one can be readily inserted without resort to skilled labor or special tools.

A still further object is to provide a construction in which there will be no wear on the metal shoe, so that its durability will be prolonged indefinitely and will thus permit the use of steel or more expensive material than is commonly employed in horseshoes.

Having the foregoing and other objects of general utility in view, I have invented the horseshoe shown in preferred form in the accompanying drawings, in which—

Figure 1 is a perspective view of a horseshoe embodying my invention. Fig. 2 is a plan view of the same with a portion broken away to show the means for attaching the cushion to the shoe proper. Fig. 3 is a plan view of the rubber cushion employed in my shoe. Fig. 4 is a cross-section on the dotted line of Fig. 3, and Fig. 5 is a cross-section on the dotted line of Fig. 1.

Referring to the drawings in detail, it will be seen that my improved shoe consists of three parts, A representing a steel shoe of the usual shape and provided with nail-holes  $a'$  in a well-known manner. Extending through the shoe A from its outer periphery are a series of horizontal slots  $a^2$ , the walls of which are countersunk to form a shoulder for the screws  $a^4$ , which are used to attach the other elements to be described. Placed over the lower face of the shoe A is a rubber cushion B, formed with a tread-surface  $b'$  and with a flange or extension  $b^2$ . Through the flange of the cushion are holes, as indicated by dot-

ted lines in Fig. 3, to receive the attaching-screws  $a^4$ .

C is a metal band which is adapted to clamp the flange  $b^2$  on the side opposite the shoe A, and said band is provided with a series of threaded openings to receive the inner ends of the attaching-screws  $a^4$ .

All of the parts above described are assembled by placing the rubber cushion on the under side of the shoe proper, A, with the flange  $b^2$  against the inner side or edge of the shoe, and then applying the band C to the inner side of the flange. The screws are inserted through the slots in the shoe and tightened, thus drawing the band tight against the flange and clamping the latter between band and shoe. The slots through the shoe are sufficiently long to provide for variations in the shape of the shoes, so that under all conditions the screw-holes in shoe and band will register with each other. As the heads of the screws are countersunk, there is no danger of their striking the animal's legs. The shoe A is nailed on or set on the horse's hoof in the usual manner. The cushion and retaining-band are then applied and the screws inserted. When a cushion wears out, it is only necessary to remove the screws and band, take out what is left of the cushion and insert a new one in place, and reassemble the parts.

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

A horseshoe composed of a steel bar bent into horseshoe form and having extending therethrough a plurality of elongated countersunk slots adapted to receive screws, a steel band bent into horseshoe form and provided with screw-holes registering with said slots, and a rubber cushion made in horseshoe form and having a tread-surface fitting over the lower face of said bar and band and having a flange or extension provided with screw-holes, said flange being arranged between said bar and steel band, and screws arranged in said slots and holes substantially in the manner described.

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

JOHN T. HUFTY.

Witnesses:

F. B. IRELAND,  
J. G. HOGHTON.