

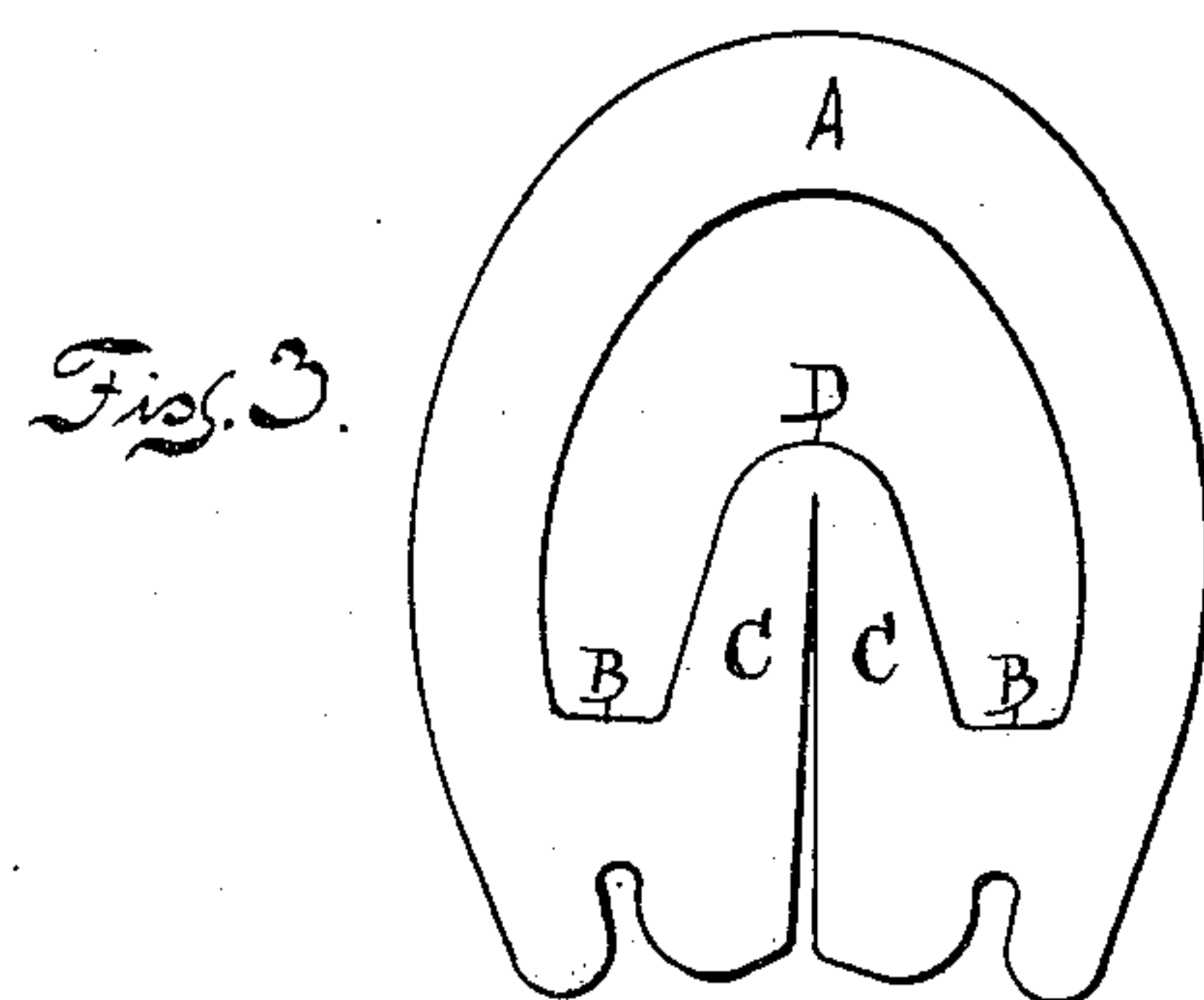
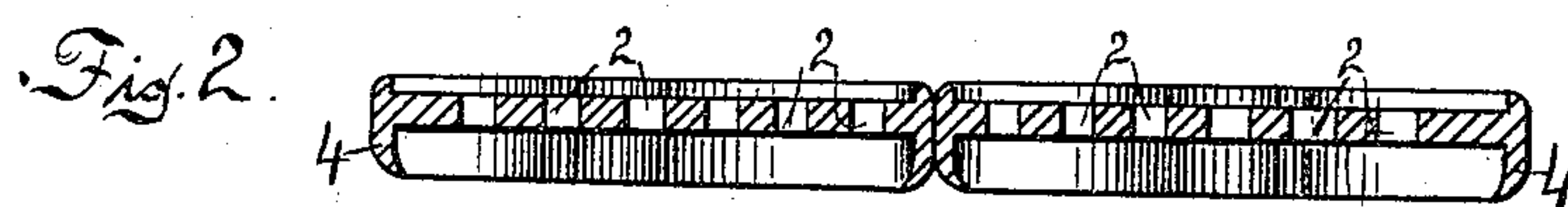
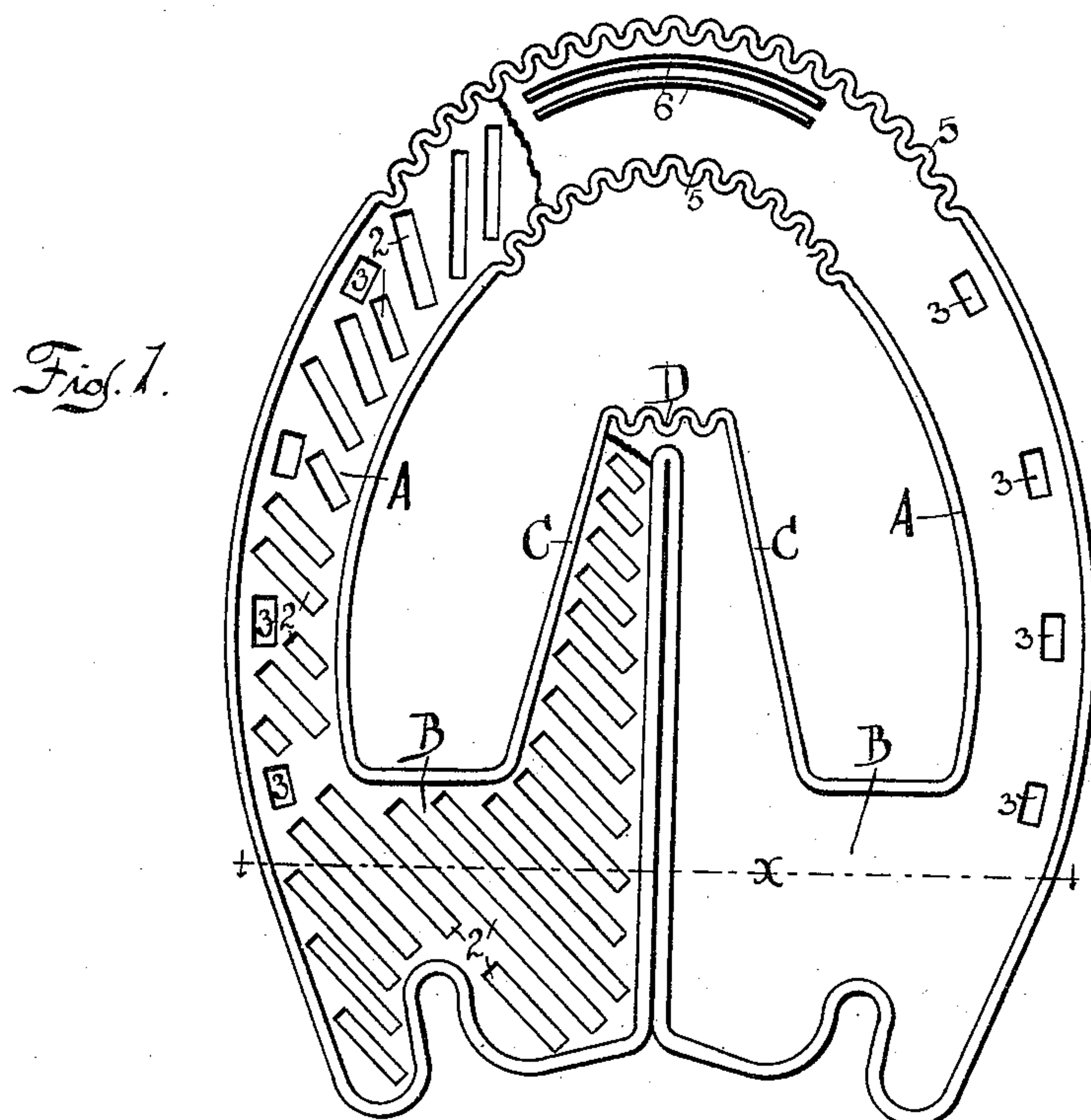
No. 611,731.

Patented Oct. 4, 1898.

M. C. GRAY.
HORSESHOE.

(Application filed May 7, 1898.)

(No Model.)



WITNESSES:

J. M. Wilson
M. Marr

Milton C. Gray

INVENTOR

BY

G. W. Sues.

ATTORNEY.

UNITED STATES PATENT OFFICE.

MILTON C. GRAY, OF OMAHA, NEBRASKA.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 611,731, dated October 4, 1898.

Application filed May 7, 1898. Serial No. 679,985. (No model.)

To all whom it may concern:

Be it known that I, MILTON C. GRAY, residing at Omaha, in the county of Douglas and State of Nebraska, have invented certain useful Improvements in Horseshoes; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention has relation to a novel improvement in horseshoes.

The object of my invention is to provide a one-piece adjustable horseshoe provided with a frog-shield integral with and forming part of the shoe, so as to provide a horseshoe adapted to support the hoof around the edges, as usual, and in addition provide a support for the frog to prevent bruising of the same and dropping of the sole.

The aim of my invention is more particularly to provide a one-piece horseshoe provided with a sole-supporting frog-shield, which shoe shall be so arranged that it can be spread, so as to be adjustable to a full or narrow hoof, as will be more fully described hereinafter.

In the accompanying drawings I have shown in Figure 1 a shoe embodying my invention, with a portion broken away. Fig. 2 shows a central view on line *x* of Fig. 1, with the soft tread and cushion, however, removed; while Fig. 3 shows a top view in outline of a shoe, showing the bifurcated supporting frog-shield as spread to make the shoe adjustable.

My present invention embodies a horseshoe of the usual conformation, which, however, is preferably provided with upwardly and downwardly extending flanges 4, the shoe A proper being provided with a series of openings 2, so as to make the shoe lighter and at the same time provide openings through which a packing or filler may extend to provide a tread and cushion of the same material and connected so that the tread will be held in position by means of the upper layer forming the cushion. The shoe is provided centrally with a bifurcated sole-supporting frog-shield C C, which sections C C are connected by the upper for-

ward narrow neck D. The shield-sections C C are connected to the shoe-heels proper by means of the neck portions B B, so that my present invention embodies a horseshoe, a bifurcated frog-shield, and two neck portions, all integral, as described.

At the forward toe portion of the shoe are provided the corrugations 5 5 and the calks 6, which increase the life of the shoe at the forward end, where the greatest amount of wear is to be provided, while the narrow portion D of the frog-shield is also corrugated, and these corrugations facilitate the slight opening of the shoe which may be necessary in adjusting the shoe to the various-shaped hoofs. The shoe is provided with the usual nail-holes 3 and is light, neat, simple, and readily adjustable. The lower or downwardly-extending portions of the flange 4 are adapted to hold and receive a suitable tread, while the upwardly-extending portions of the flange 4, which are of a less depth than the lower flange portions, are adapted to receive a cushion of any suitable material, upon which the horse's hoof rests and which is adapted to provide suitable moisture to the frog and sole.

In the construction of this shoe any suitable material may be used, and so, also, may the upper and lower flanges be provided with any suitable cushion and tread.

By providing the shoe with openings 2 upon one side while the other side is solid a weighted shoe may be provided which might be of service in certain cases.

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

1. As a new article of manufacture, a one-piece horseshoe provided near the heel portions with a bifurcated frog-shield secured to and forming part of said shoe, and upwardly and downwardly extending flanges surrounding the edges of said shoe.

2. As a new article of manufacture, a one-piece horseshoe provided with a bifurcated frog-shield, upwardly and downwardly extending flanges surrounding the edges of said shoe and shield, the flanges at the forward point of said shoe and shield being corrugated, and suitable perforations within said shoe and shield, as and for the purpose set forth.

3. As a new article of manufacture, a one-
piece horseshoe provided with a bifurcated
frog-shield, upwardly and downwardly ex-
tending flanges surrounding the edges of said
5 shoe and shield, the flanges at the forward
point of said shoe and shield being corrugated,
as and for the purpose set forth.

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

MILTON C. GRAY.

Witnesses:

G. W. SUES,
MAMIE MARR.