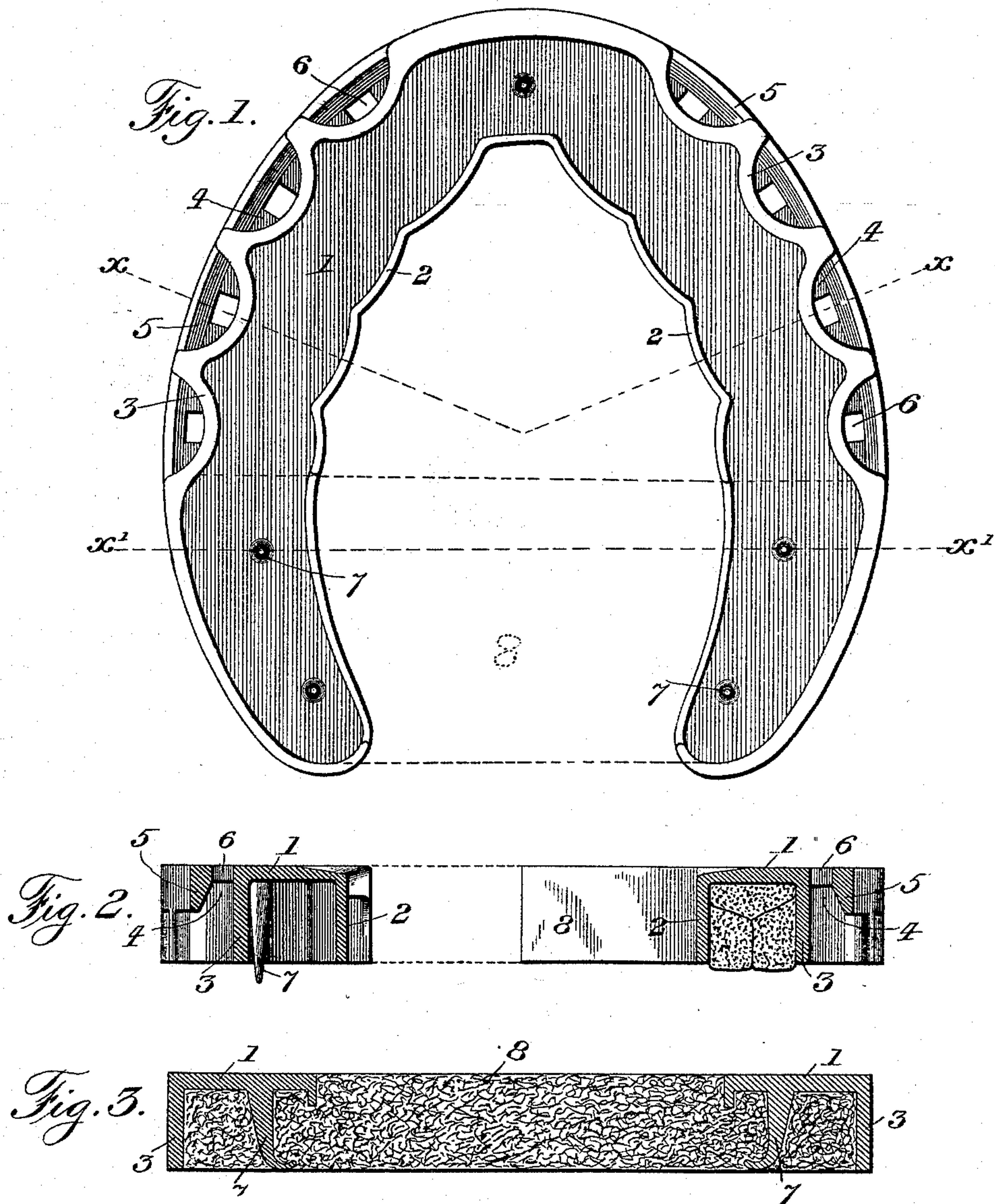


(No Model.)

A. LOEFFLER.  
ELASTIC TREAD HORSESHOE.

No. 526,631.

Patented Sept. 25, 1894.



Witnesses:  
John Enders jr.  
J. Coleman.

Inventor  
Arthur Loeffler.  
by Robert Burns  
Attorney.



# UNITED STATES PATENT OFFICE.

ARTHUR LOEFFLER, OF CHICAGO, ILLINOIS.

## ELASTIC-TREAD HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 526,631, dated September 25, 1894.

Application filed May 31, 1894. Serial No. 513,071. (No model.)

*To all whom it may concern:*

Be it known that I, ARTHUR LOEFFLER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Horseshoes; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification.

This invention relates to that type of horseshoes, in which the under surface of the shoe is recessed out to receive a filling of rope that constitutes in the main the wear surface of the shoe, and more particularly to such type of shoes, that carry a pad beneath the frog of the horse's hoof; and the objects of the present improvement are:—to provide a simple and effective construction of the heel portion of the shoe, by which the felt pad employed beneath the frog of the foot is securely attached and held in place, as hereinafter more particularly pointed out. I attain such objects by the construction and arrangement of parts illustrated in the accompanying drawings, in which—

Figure 1, is a bottom view of a horseshoe constructed in accordance with the present improvement; Fig. 2, a transverse section of the same at line  $x-x$  Fig. 1; and Fig. 3, a transverse section of the same at line  $x'-x'$  Fig. 1.

Similar numerals of reference indicate like parts in the several views.

As represented in the drawings the present improved horseshoe, will be of the general form and consists of a main top plate 1, having inner and outer pendent side walls 2 and 3, that constitute an open bottomed chamber on the under side of the shoe, to receive a filling of rope or other equivalent material.

The outer wall 3, of the horseshoe will be of the usual corrugated or indented nature, so as to leave recesses 4, in the outer vertical wall of the shoe, the top thereof being formed by the top plate 1, which overhangs, to form roof portions 5, to such recesses and which

are formed with nail holes 6, for the passage of the nails that secure the shoe to the horse's hoof.

The inner wall 2 of the shoe is preferably made of a corresponding corrugated formation, so that the two walls 2 and 3, of the shoe will form a serpentine cavity or chamber for receiving and holding the rope filling, in an effective manner. Filling in the recess of the shoe is effected owing to the extended contact or holding surface within said chamber, due to the corrugated formation of the walls as above set forth.

In the second part of my present improvement the inner wall 2, is cut away near the rear end of the shoe, to leave an elastic pad receiving cavity beneath the frog of the hoof, such cavity being formed by the outer wall 3, and the top plate 1, as shown, the novelty in this part of my present improvement consisting in providing the top plate 1, with a pair of downwardly extending studs or prongs 7, arranged midway of the width of each rearwardly extending portion of such plate, and midway of the length of the pad receiving chamber, such prongs being adapted to be forced into a felted or other flexible pad 8, and be clinched upon the same to secure such pad in place.

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

A horseshoe having at its rear end a pad-receiving cavity formed by the outer walls 3 and the top plate 1, a pad 8 arranged in said cavity, and attaching prongs 7, arranged in pairs upon the rearwardly extending portions of the plate 1, midway of the width of such plate and midway of the length of the pad receiving chamber, substantially as set forth.

In testimony whereof witness my hand this 28th day of May, 1894.

ARTHUR LOEFFLER.

In presence of—

JULIAN W. MACK,  
ROBERT BURNS.