

No. 658,221.

Patented Sept. 18, 1900.

J. RILEY.
SOFT TREAD HORSESHOE.
(Application filed July 19, 1900.)

(No Model.)

Fig. 1.

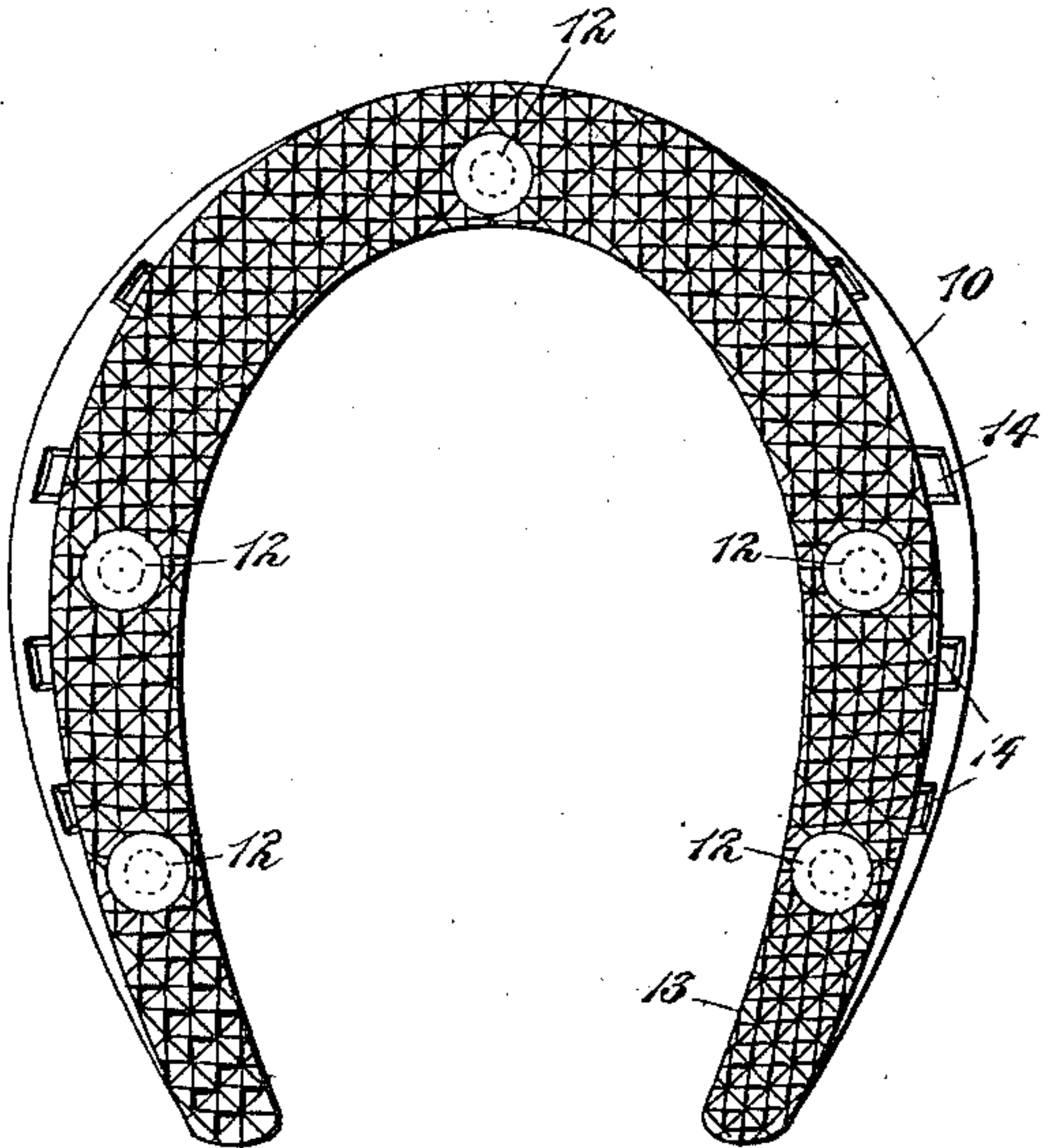


Fig. 2.

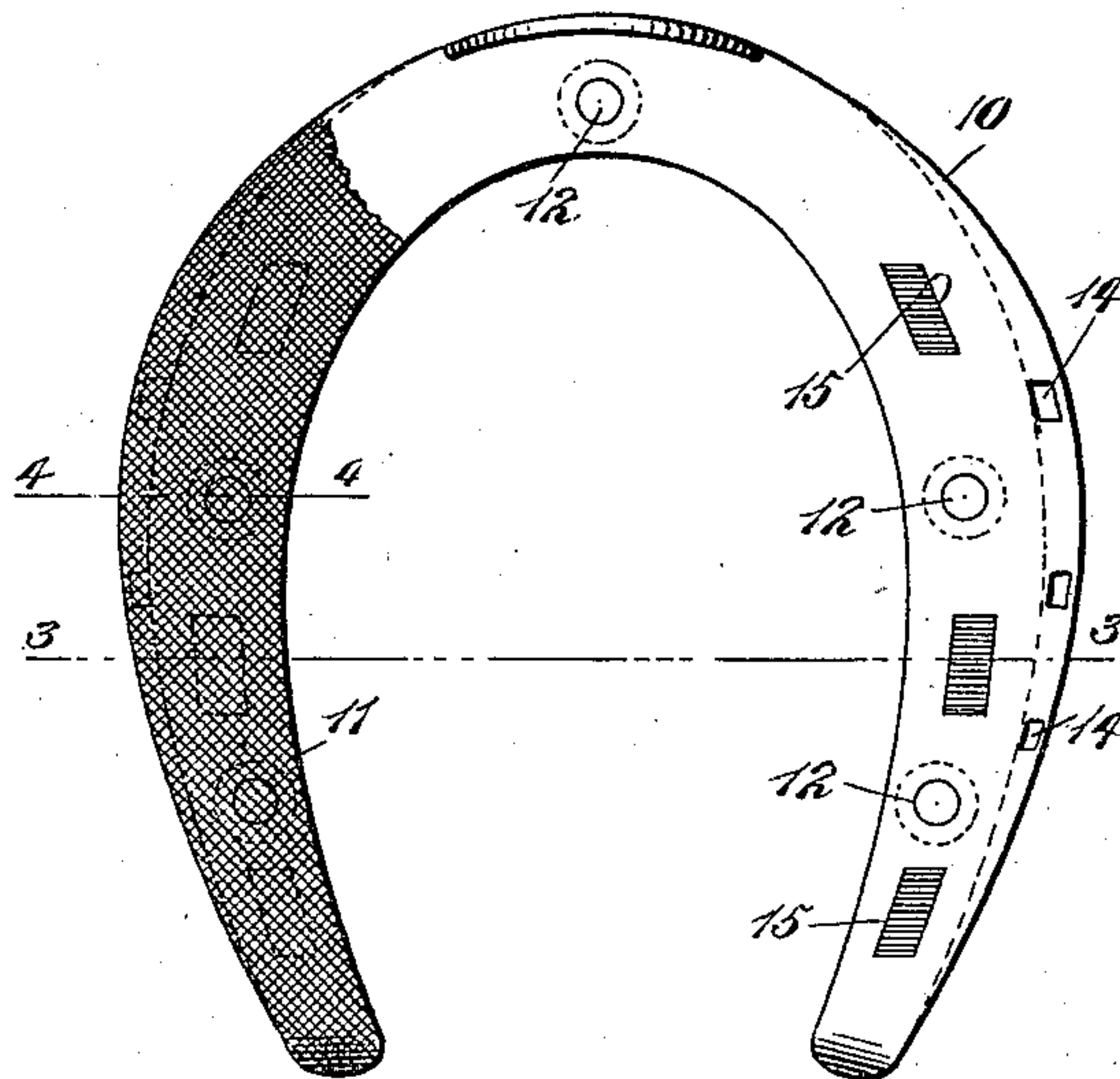


Fig. 4.

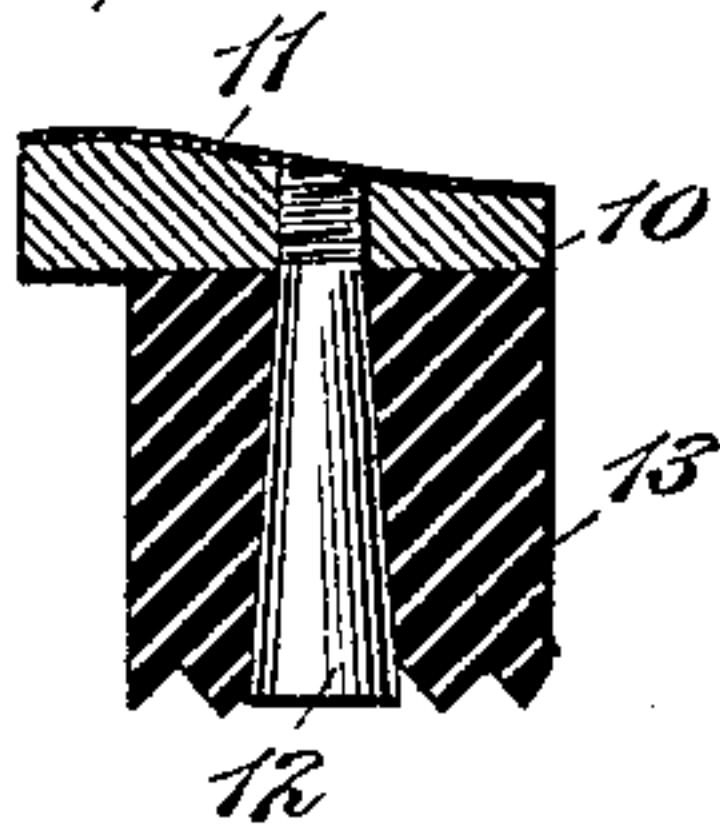
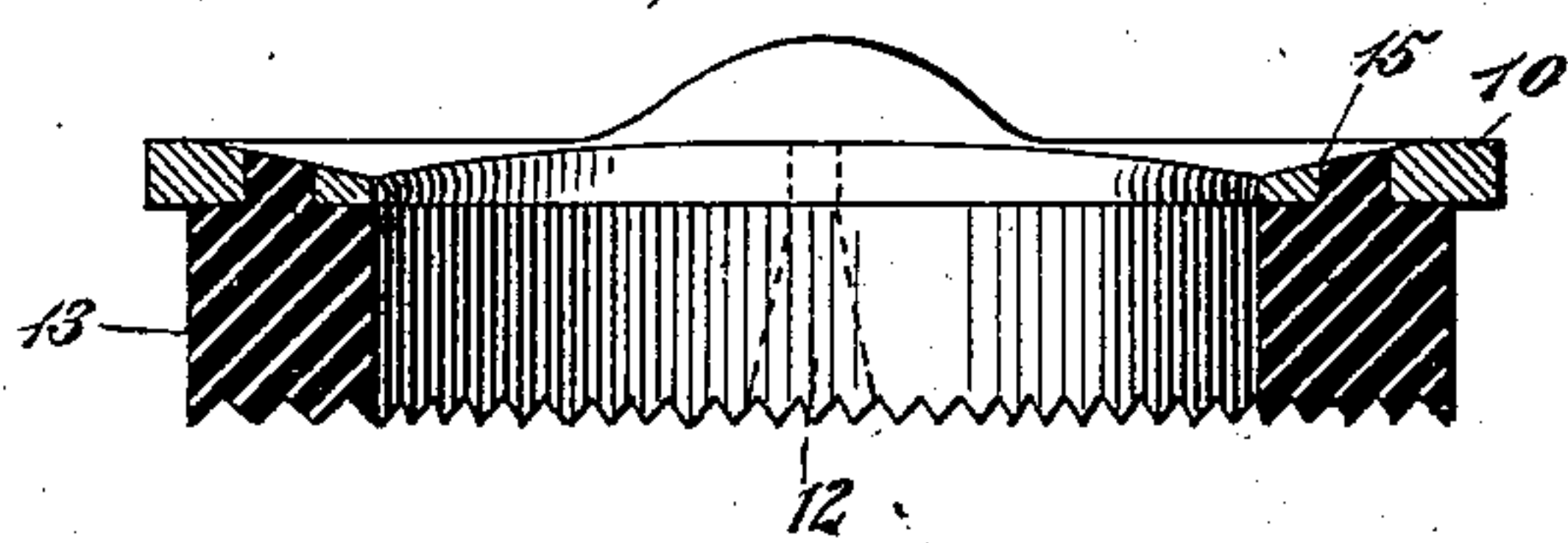


Fig. 3.



WITNESSES:

William P. Goebel.
C. R. Ferguson

INVENTOR
John Riley.

BY Wm. & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE

JOHN RILEY, OF NEW YORK, N. Y.

SOFT-TREAD HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 658,221, dated September 18, 1900.

Application filed July 19, 1900. Serial No. 24,172. (No model.)

To all whom it may concern:

Be it known that I, JOHN RILEY, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the
5 county and State of New York, have invented a new and Improved Horseshoe, of which the following is a full, clear, and exact description.

This invention relates to improvements in
10 horseshoes of the type in which a yielding pad is employed; and an object is to provide a simple and novel means for securing the pad or rubber portion to the metal shoe or plate, so that the pad will hold tightly in place until
15 completely worn away.

I will describe a horseshoe embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying
20 drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a bottom plan view of a horseshoe embodying my invention. Fig. 2 is a top
25 plan view thereof. Fig. 3 is a section on the line 3 3 of Fig. 2, and Fig. 4 is a section on the line 4 4 of Fig. 2.

Referring to the drawings, 10 designates the metal portion of a shoe, substantially of
30 the usual form; but preferably, as shown in Fig. 3, its upper surface, or that coming near the hoof, will be dished inward, so that the greater portion of the bearing will be on the horn part of the hoof, and to render the bearing quite easy on the hoof I preferably supply
35 a covering 11, of yielding material—such, for instance, as canvas, this canvas, of course, coming between the shoe and the hoof.

Extended downward from the shoe portion
40 10 is a series of pillars 12. I have here shown five of these pillars; but it is obvious that a greater or less number may be employed. The pillars may be removably connected to the shoe 10 by means of screw-threaded connection, as indicated in Fig. 4, or they may
45 be riveted or otherwise secured thereto. It may be best, however, to make them removable, so that new ones may be easily supplied when old ones are worn out. The pillars are
50 longitudinally tapered, the larger diameter being at the lower end, and these pillars pass

through correspondingly-tapered openings in the rubber-pad portion 13, the shape of which corresponds substantially to the shape of the metal portion 10. The metal portion 10, however, at the sides extends outward from the
55 pad, and in these outwardly-extended portions are the nail-holes 14, which are counter-sunk to receive the heads of the nails.

As a further means for securing the pad to
60 the metal portion 10 the said metal portion is provided with openings 15, through which the rubber may be run while forming the same on a shoe.

By the construction shown and described
65 as the pad portion is worn away the pillars will be correspondingly worn away, but owing to their tapered construction the pad will be prevented from disengagement. Therefore the shoe may be used until the pad and pillars are entirely worn away, and then a new
70 pad with new pillars may be readily attached to the metal portion.

A shoe embodying my invention will be found comparatively light, yet strong and
75 serviceable, and will prevent slipping on smooth surfaces.

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

1. A horseshoe, comprising a metal portion, longitudinally-tapered pillars attached to said metal portion, and a pad portion having tapered openings in which the pillars engage, the walls of said openings engaging at all
85 points on the pillars, substantially as specified.

2. A horseshoe, comprising a metal portion, tapered pillars attached to the shoe, and a pad engaging with said pillars and having portions extended through openings in the shoe,
90 side portions of said shoe being extended outward from the pad and provided with nail-holes, substantially as specified.

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

JOHN RILEY.

Witnesses:

GEORGE A. SCHMITT,
VALENTINE SCHMITT.