

No. 856,261.

PATENTED JUNE 11, 1907.

T. R. KILEY.
HORSESHOE.

APPLICATION FILED FEB. 7, 1906.

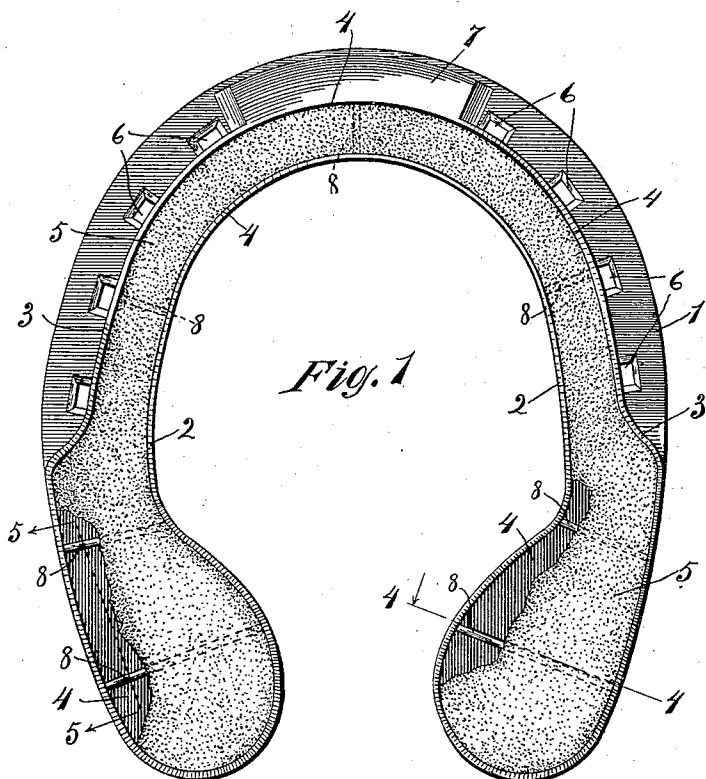


Fig. 1

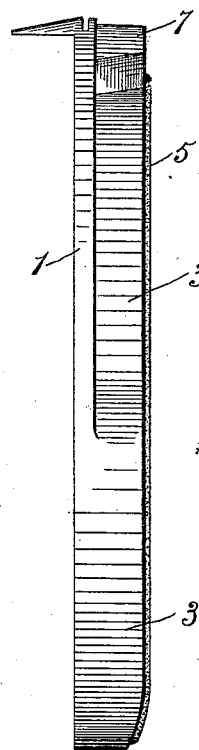


Fig. 2.

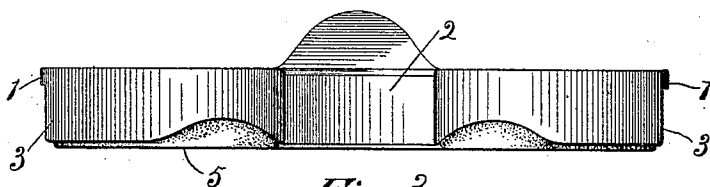


Fig. 3.

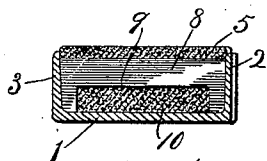


Fig. 4

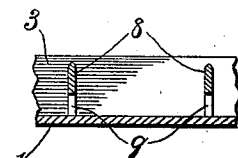


Fig. 5.

Witnesses:
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UNITED STATES PATENT OFFICE.

THOMAS R. KILEY, OF CHICAGO, ILLINOIS.

HORSESHOE.

No. 856,261.

Specification of Letters Patent.

Patented June 11, 1907.

Application filed February 7, 1906. Serial No. 299,923.

To all whom it may concern:

Be it known that I, THOMAS R. KILEY, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification.

This invention relates to horse shoes, and relates particularly to horse shoes comprising a base plate for attachment to the hoof, flanges on the under side thereof forming a groove of desired configuration and a pad or cushion secured in said groove.

I am aware that it is old in shoes of this general type to secure the pad in position by means of pins which extend through the flanges forming the groove in which said pad is secured. But so far as I am aware, such pins have always passed entirely through said flanges and have been secured by being clenched or riveted. This construction is objectionable, however, owing to the liability of said pins to become loose and to work out so as to project beyond the sides of the shoe, thus rendering them very liable to cut the feet and legs of the horse in traveling.

The object of the present invention is to overcome this objectionable feature and to this end the invention consists in securing the pad in position by means of webs, the ends of which are rigidly connected to the inner surfaces of the flanges forming the grooves in which the pad is secured, being preferably formed integral therewith, thus rendering it impossible for said webs to work through said flanges and to project at the side thereof.

Referring now to the drawings, in which a horse shoe embodying my invention is fully illustrated,—Figure 1 is a bottom plan view of a horse shoe of my invention, the pad or cushion being partly broken away. Figs. 2 and 3 are side and rear views, respectively, of said shoe; and Figs. 4 and 5 are sectional views thereof on the lines 4—4 and 5—5, respectively, of Fig. 1.

Referring now to the drawings, 1 designates the base plate of a horse shoe of my invention designed and adapted for attachment to the hoof. Formed on the under side of the base plate 1 are flanges 2 and 3, forming a groove 4 for the reception of the pad or cushion 5, which is preferably made of rubber or other suitable material, all in the usual manner. As shown, both the flanges 2 and 3 are formed at the edges of the base

plate 1, excepting that, at the front of the shoe, the flange 3 is formed at a sufficient distance from the outer edge of the base plate to expose the holes 6 through which the nails are driven for securing the shoe to the hoof. The arrangement of said flanges may, however, be changed as desired to meet varying requirements. At the extreme front of the shoe, the flange 3 is protected and strengthened by means of a suitable toe calk 7. All of the foregoing features are old and well known and will be readily understood by persons familiar with the art from an inspection of the drawings and without a more detailed description thereof.

The novel features of a horse shoe of my invention resides in the means for securing the pad or cushion 5 in the groove 4. These means are as follows:—Rigidly secured to the flanges 2 and 3 and extending across the groove 4 at desired intervals, are webs 8, each provided with a suitable opening or openings 9 through which extend portions of said pad or cushion which are formed integral with the sections of said pad or cushion on opposite sides of said webs 8, which thus operate to fasten said pads or cushions in said grooves very securely.

While my invention contemplates any suitable means for securing the webs or bridges 8 in place and holes or openings 9 therethrough disposed in any desired position, I prefer the construction shown in the drawings, in which said webs or bridges 8 are formed integral with the flanges 2 and 3 and are each provided with a single substantially rectangular hole or opening 9 extending upwardly from the bottom of the groove 4.

The object of my invention, as it relates to securing the pad or cushion 5 in the groove 4, by means of parts of said pad or cushion formed integral with and connecting the sections thereof on opposite sides of said webs or bridges and which extend through the holes 9 therein, is effected by casting or molding said pad or cushion directly in said groove 5, thus forcing the same through the holes or openings 9 in said webs 8, when subjected to pressure, and causing the same to cohere into an integral body as said pad or cushion sets or hardens.

I claim:—

A horse shoe comprising a base plate for attachment to the hoof, flanges on the under side thereof forming a groove for the recep-

tion of a pad or cushion, a web or webs which
extend across said grooves, the ends of which
are rigidly connected to the inner surfaces of
the flanges forming said groove, thus ren-
5 dering it impossible for said webs to work
through said flanges so as to project at the
sides thereof, said web or webs being pro-
vided with an opening or openings and a pad
molded into said groove comprising integral
10 portions thereof which extend through the
opening or openings in said web or webs and

connect the sections of said pad on opposite
sides of said web or webs.

In testimony, that I claim the foregoing as
my invention, I affix my signature in pres- 15
ence of two subscribing witnesses, this 1st
day of February, A. D. 1906.

THOMAS R. KILEY.

Witnesses:

K. A. COSTELLO,
E. M. KLATCHER.