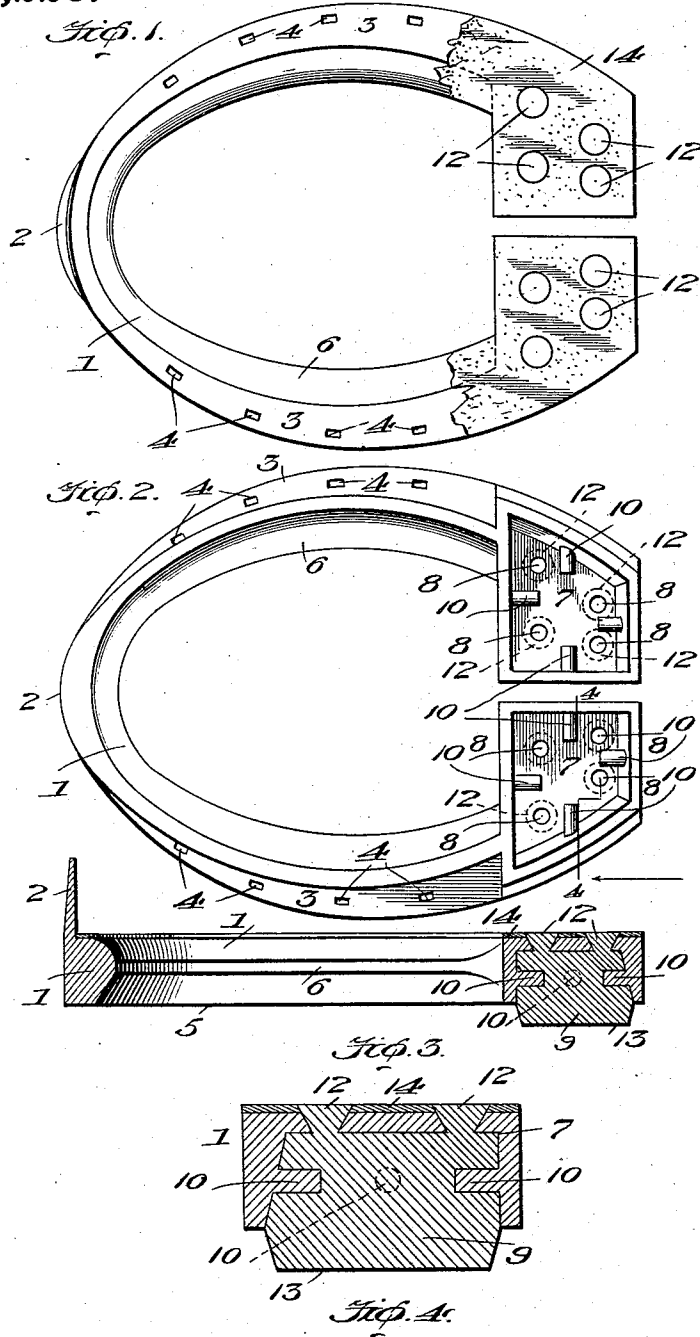


J. A. NEIL.
HORSESHOE.

APPLICATION FILED JUNE 13, 1910. RENEWED JULY 11, 1911.

1,017,228.

Patented Feb. 13, 1912.



Witnesses:
[Signature]
A. M. Danner

Inventor
James A. Neil.
By: *[Signature]*
Att.

UNITED STATES PATENT OFFICE.

JAMES A. NEIL, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR OF ONE-HALF TO JOHN E. GALE AND ONE-EIGHTH TO JAMES A. DONALDSON, BOTH OF WASHINGTON, DISTRICT OF COLUMBIA.

HORSESHOE.

1,017,228.

Specification of Letters Patent.

Patented Feb. 13, 1912.

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To all whom it may concern:

Be it known that I, JAMES A. NEIL, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification.

This invention relates to horseshoes, and one of the principal objects of the same is to provide a horse-shoe having anti-slipping pads secured to the heel portion of the shoe, said pads being molded or cast in receptacles formed integral with the body of the shoe and said pads being held in place by projections and countersunk openings.

Another object of the invention is to provide an anti-slipping horseshoe in which the resilient pads will project beyond the tread surface of the shoe when first applied to the hoof, thus serving to correct the gait of animals affected with corns or other similar hoof defects.

These and other objects may be attained by means of the construction illustrated in the accompanying drawing, in which,

Figure 1 is a top plan view of a horseshoe made in accordance with my invention, a portion of the canvas layer being broken away. Fig. 2 is a bottom plan view of the horseshoe prior to the attachment of the anti-slipping pads. Fig. 3 is a longitudinal section of the horseshoe showing one of the pads secured in place. Fig. 4 is an enlarged sectional view taken on the line 4—4 of Fig. 2 looking in the direction indicated by the arrow.

Referring to the drawing the numeral 1 designates the body of the horseshoe which may be of the required shape or size and provided with an upwardly extending toe lug or clip 2. At the sides of the shoe is a flange 3 provided with nail holes 4 designed for securing the shoe on the hoof of the animal. A downwardly extending flange or tread portion 5 extends entirely around the bottom of the shoe and projecting inwardly is a curved flange 6. Formed integral with the heel portions of the shoe are receptacles 7 for the rubber pads 9. The

receptacles 7 are provided with countersunk openings 8 in the upper walls thereof, and projecting inwardly from the side and end walls of the receptacles are studs 10, said studs being disposed intermediate the openings 8, as shown more clearly in Fig. 2. The rubber pads 9 are molded or cast into the receptacle 7 and owing to the countersunk portions 12 and the inwardly projecting studs 10, the pads 9 are securely held in place after they have become set with their tread surfaces 13 extending below the tread surface of the metal shoe, so that when the shoes are first applied to the hoofs an elastic tread is provided which will correct certain defects in the gait of an animal, as well as assist in curing corns or other foot defects. A canvas or other fabric layer 14 is placed upon the top of the shoe and held in place by the projections 12 on the pad 9.

From the foregoing it will be obvious that a horseshoe made in accordance with my invention, while simple in construction is very effective for its purposes, that the pads will be firmly held in place by means of the countersunk openings 8 and the intermediately disposed studs 10, that the shoe when first worn will provide an elastic tread and that when worn down can be removed and a new pad 9 cast in the shoe.

I claim:

1. A horseshoe comprising an outwardly extending flange provided with nail holes, an inwardly extending flange, a downwardly extending plane tread-surface, receptacles formed at the heel ends of the shoe, resilient pads in said receptacles, the latter having studs projecting from the inner walls thereof and countersunk openings in the upper walls thereof, said openings and studs being arranged alternately, and a canvas layer secured to the top of the shoe by means of the ends of the pads which project through said openings.

2. A horseshoe comprising an outwardly extending flange provided with nail holes, a downwardly extending plane tread-surface, receptacles formed at the heel ends of said shoe, said receptacles having studs pro-

jecting inwardly from the inner walls thereof, and openings in the upper walls of said receptacles, said openings and studs being arranged alternately, and pads secured in
5 said receptacles by means of said studs and openings, said pads projecting beyond the tread surface of the shoe.

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

JAMES A. NEIL.

Witnesses:

J. E. GALE,

JOHN L. FLETCHER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."