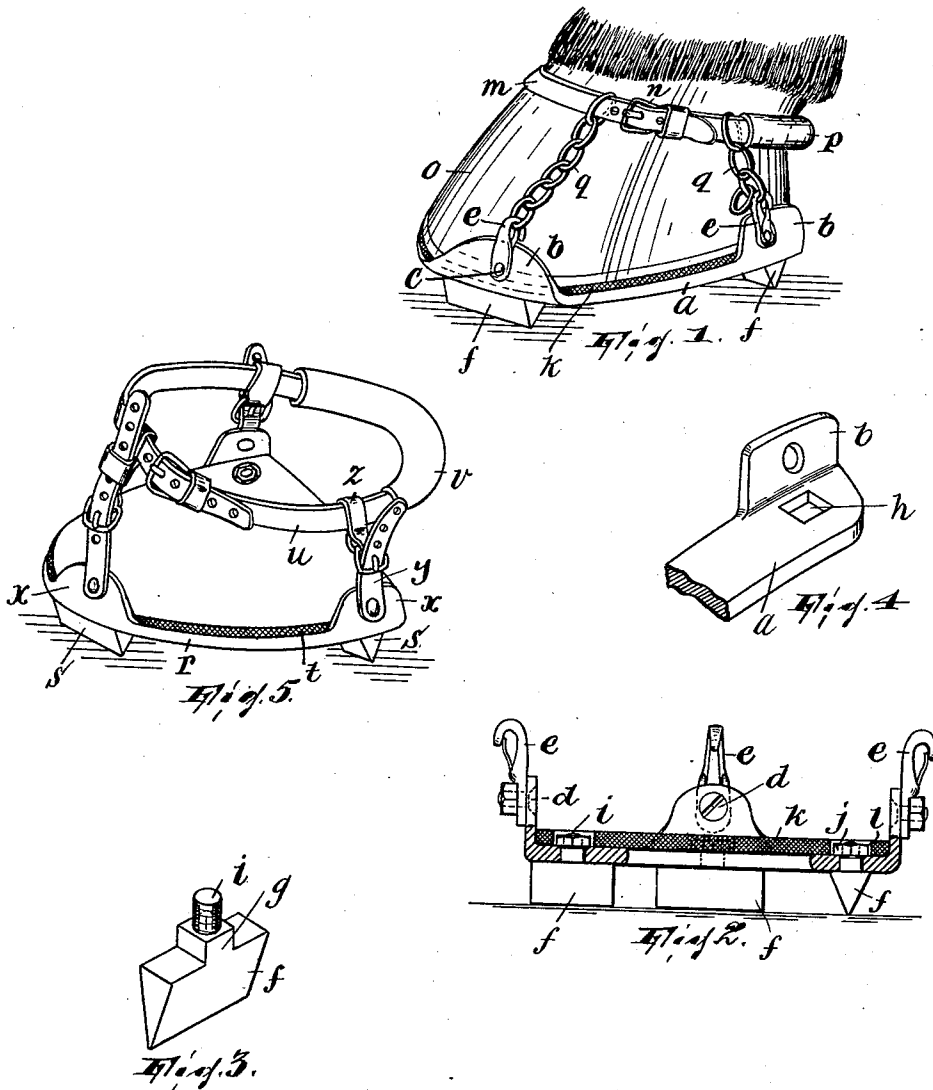


M. GOLDBERG.
HORSESHOE.

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1,008,133.

Patented Nov. 7, 1911.



WITNESSES

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HORSESHOE.

1,008,133.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MORRIS GOLDBERG, a citizen of the United States, residing at Paterson, in the county of Passaic and State of New Jersey, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification.

My invention relates to non-slipping appliances for horses and it consists in certain improvements in such appliances whereby a device is produced which is not only simple and durable in construction and inexpensive to manufacture, but which may be attached with facility to a horse's hoof, whether shod or not, and which may be readily made to suit various sizes or shapes of hoofs.

In the accompanying drawing, in which the invention is fully illustrated, Figure 1 is a perspective view of the device showing the same attached to the hoof; Fig. 2 is a rear elevation partly in section of the device as shown in Fig. 1; Fig. 3 is a perspective view of one of the calks; Fig. 4 is a fragmentary perspective view of the shoe-shaped frame *a*; and, Fig. 5 shows a modification in perspective.

a is a metallic frame having the general form of an ordinary horseshoe, being flat or smooth on the under side and provided on its outer periphery and at both sides of the heel and also at the toe with the upwardly projecting lugs or ears *b*. By means of rivets *c* (Fig. 1) or screw bolts *d* (Fig. 2) a snap-hook *e* is secured to the outer face of each ear or lug *b*.

f designates calks, each being double-beveled or knife-shaped and having a square lug or post *g* fitted to a similarly shaped hole *h* in the frame *a*. Each lug terminates in a threaded reduced portion *i*, and when the calk is secured in place as shown in Fig. 3, this reduced portion projects above the upper surface of frame *a* and receives a nut *j* which, when screwed down against the upper surface of the frame *a*, secures the calk rigidly to the frame.

k is a pad of leather or other relatively soft material conforming in general outline to the contour of the shoe and provided with holes *l* to receive the nuts *j*, which thus prevent the said pad from shifting out of place.

m is a strap or band provided with a buckle *n* whereby it may be secured about

the hoof *o* of the animal; this strap or band is passed through a stiff yet somewhat flexible tube *p* which bears against the back of the hoof and prevents the strap from chafing.

q denotes three chains through one link of each of which the strap or band is passed, another link of each of which is engaged with one of the hooks *e*; adjustment may be effected to suit different sizes or shapes of hoofs by engaging the hooks *e* with such links of the corresponding chains as the circumstances require. In this connection it will be observed that each chain *q* affords a flexible connection between the frame *a* and the strap or band *m* allowing free forward, back or lateral movement of the strap or band to suit the shape of the hoof.

In Fig. 5, the frame *r*, calks *s*, pad *t*, strap or band *u* and tube *v* are all substantially the same as the parts *a*, *f*, *h*, *m* and *p*, in Figs. 1 to 4. In this instance, however, instead of providing the chains *q*, each ear *x* of the frame *r* is connected with the strap or band *u* by the adjustable strap *y* provided with loops *z* receiving the strap or band *u*.

It will be understood that as fast as the calks wear they may be readily removed and resharpened and returned to the frame, or new ones substituted.

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

1. The combination of a shoe-shaped frame having upwardly projecting lugs at its outer periphery, snap-hooks fixed to said lugs and projecting upwardly therefrom, a strap or band, and chains connecting the strap with the hooks, substantially as described.

2. The combination of a shoe-shaped frame, a pad resting thereon and provided with holes therein, calks having upwardly extending studs penetrating said frame, nuts screwed on said studs and received by the holes in the pad, and means for securing the frame to the animal's hoof, substantially as described.

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

MORRIS GOLDBERG.

Witnesses:

JOHN W. STEWARD,
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