

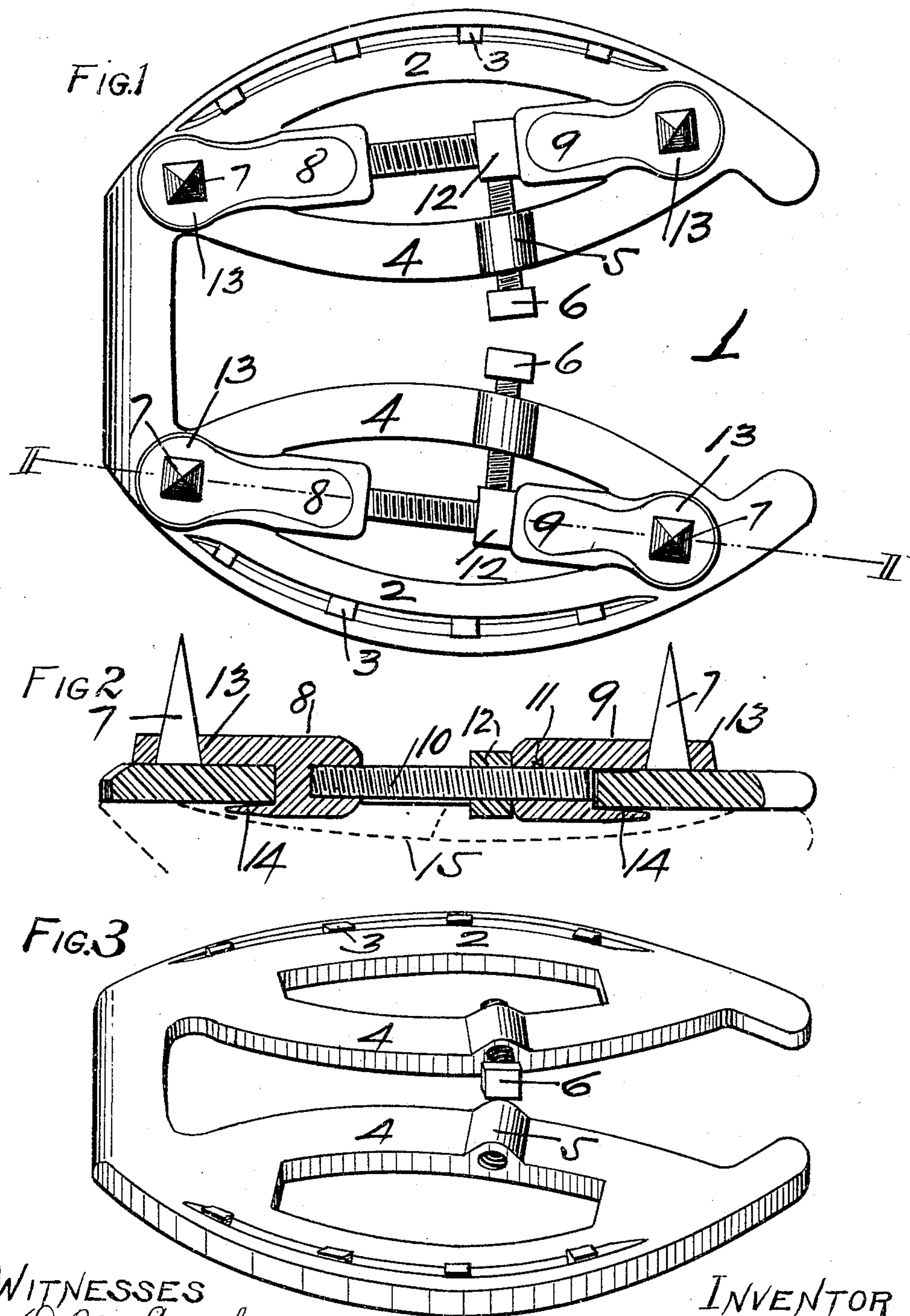
No. 774,187.

PATENTED NOV. 8, 1904.

W. H. LAKE.  
HORSESHOE.

APPLICATION FILED FEB. 16, 1904.

NO MODEL.



WITNESSES  
R. M. Lynch  
Jm. Scott.

INVENTOR  
W. H. Lake  
by J. H. Healeyford  
att.

# UNITED STATES PATENT OFFICE.

WILLIAM H. LAKE, OF MEMPHIS, TENNESSEE.

## HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 774,187, dated November 8, 1904.

Application filed February 16, 1904. Serial No. 193,915. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. LAKE, a citizen of England, residing at Memphis, Shelby county, State of Tennessee, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification.

My invention relates to certain new and useful improvements in horseshoes, of which the following is a full, clear, and exact description, such as will enable any one skilled in the art to make and use same.

The object of my invention is to make a shoe with a removable calk, which may be removed and renewed at pleasure. I carry out this object as will be more fully hereinafter set forth in the drawings, specification, and claims.

In the drawings, Figure 1 is a plan view of the bottom of the shoe, showing the calks and holders in place for use. Fig. 2 is a section on the line II II of Fig. 1. Fig. 3 is perspective view of the bottom of the shoe with the calks removed.

Referring now to the drawings, in which the parts are indicated by numerals, the shoe 1 comprises an outer piece or shoe proper, 2, shaped in the usual form and provided with the usual nail-holes 3.

4 4 are curved bars within the shoe and flush with the shoe proper. 5 5 are lugs on these bars, which lugs are tapped to receive set-screws 6, which screws are in the same plane as the shoe and bars. 7 7 are calks which are carried on two similar lugs 8 9. The lug 8 is tapped to receive a stud 10, which is firmly screwed into it. The lug 9 is provided with a hole 11 large enough to allow the stud 10 to slide freely, and the said stud is provided with a nut 12, which may be slacked to release the lugs or tightened up to hold same firmly in place between the bars and the shoe-body proper. Each of these lugs is provided with an extension 13, which comes beneath the shoe, and which extension carries the calks 7, and each lug is provided with a thinner ex-

tension 14, which comes above the shoe, the two extensions forming a Y or U form, which embraces the shoe and holds the lugs firmly when the nut 12 is screwed out to hold them, and which form permits the release of the lugs when the nuts are slacked.

The calks 7 are driven into the extension 13 from the upper side and are not otherwise fastened, being held during use firmly against the surface of the shoe. When worn, they may be readily driven out of the lugs and new ones inserted. These calks, as shown, are perfectly square; but, they be round or any desired shape.

The nuts 12 are held against accidental loosening by the set-screws before mentioned, which set-screws may be loosened to permit slacking of the nuts.

When the lugs and calks are removed, the shoe may be used as an ordinary shoe, and when they are in place as an ice-shoe.

The dotted line 15 shows the general line of the bottom of the horse's foot where the lugs 8 and 9 come, showing that these do not interfere with or rest against the foot.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent in the United States, is—

1. A horseshoe provided with an inner set of curved bars, forked lugs shaped to fit between said bars and shoe-body, calks in said lugs and a stud and nut to hold said lugs in place.

2. A horseshoe provided with an inner set of curved bars, forked lugs shaped to fit between said bars and shoe-body, calks in said lugs, a stud and nut to hold said lugs in place, and a set-screw tapped through said bars and resting against said nut.

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

WILLIAM H. LAKE.

Witnesses:

GEO. E. NEUHARDT,  
D. M. LYNCH.