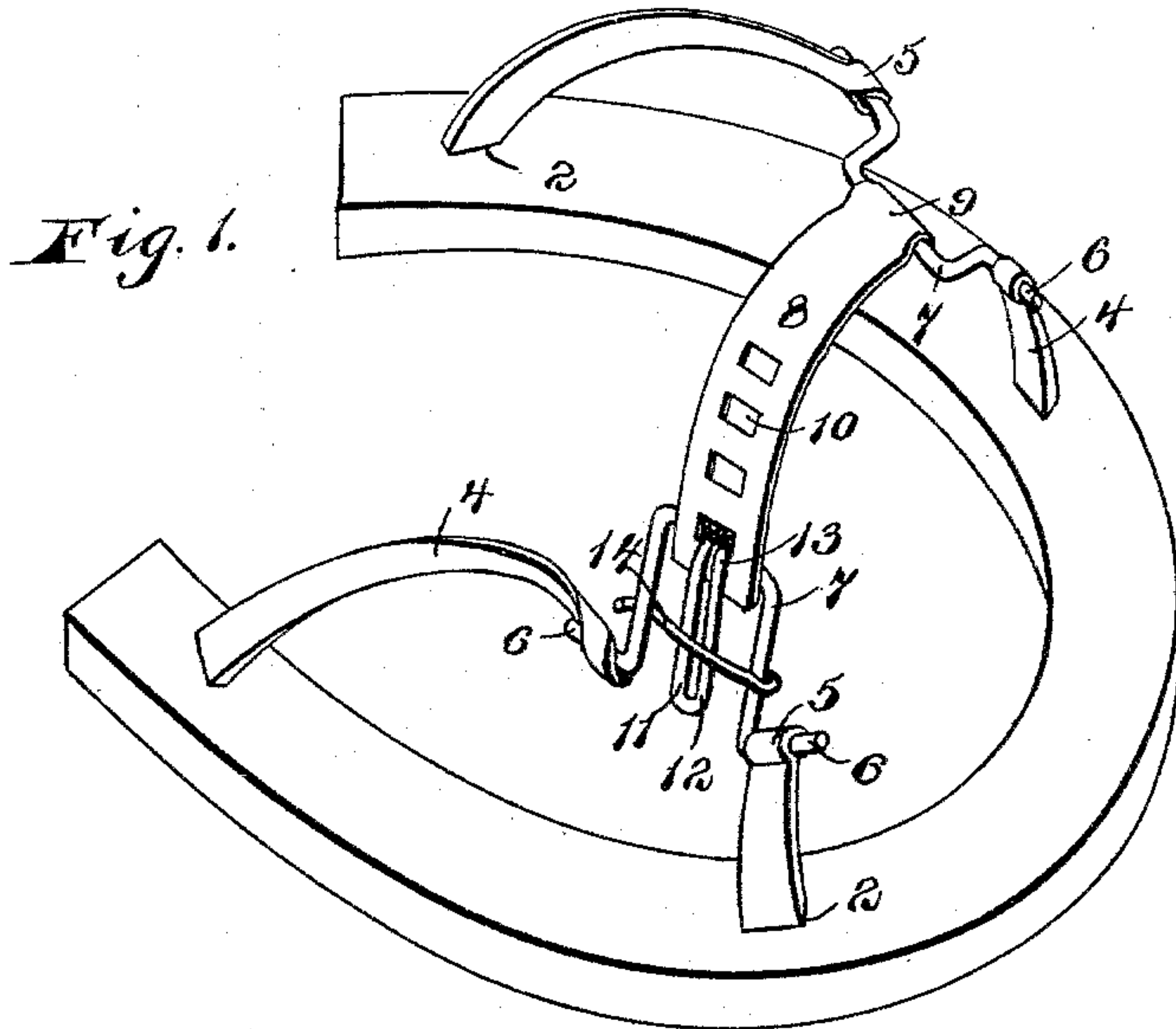


(No Model.)

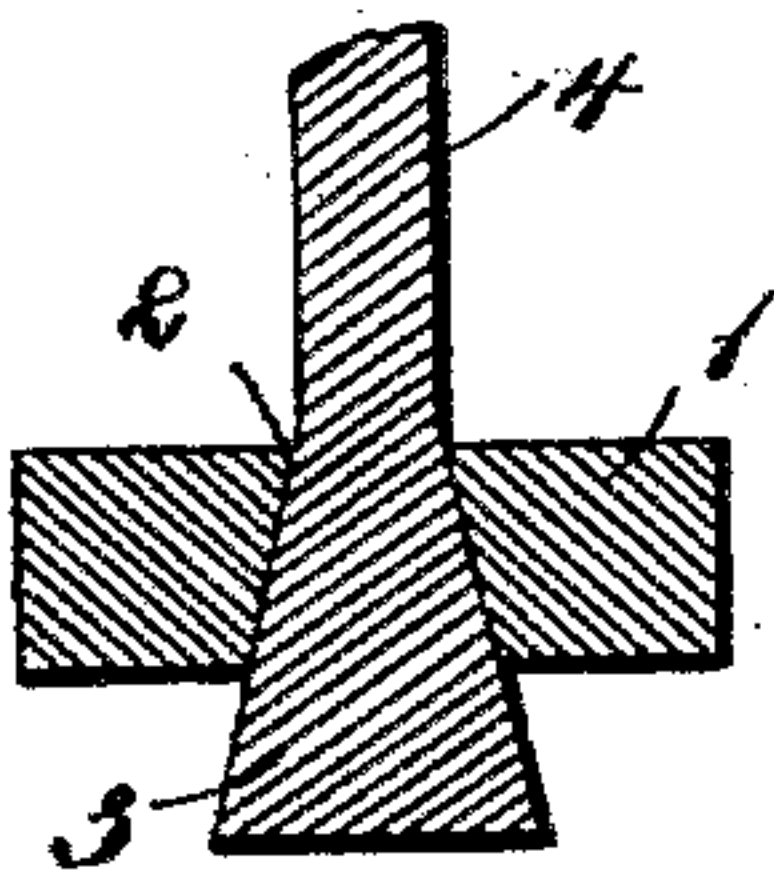
J. C. JACKSON.  
NAILLESS HORSESHOE.

No. 598,152.

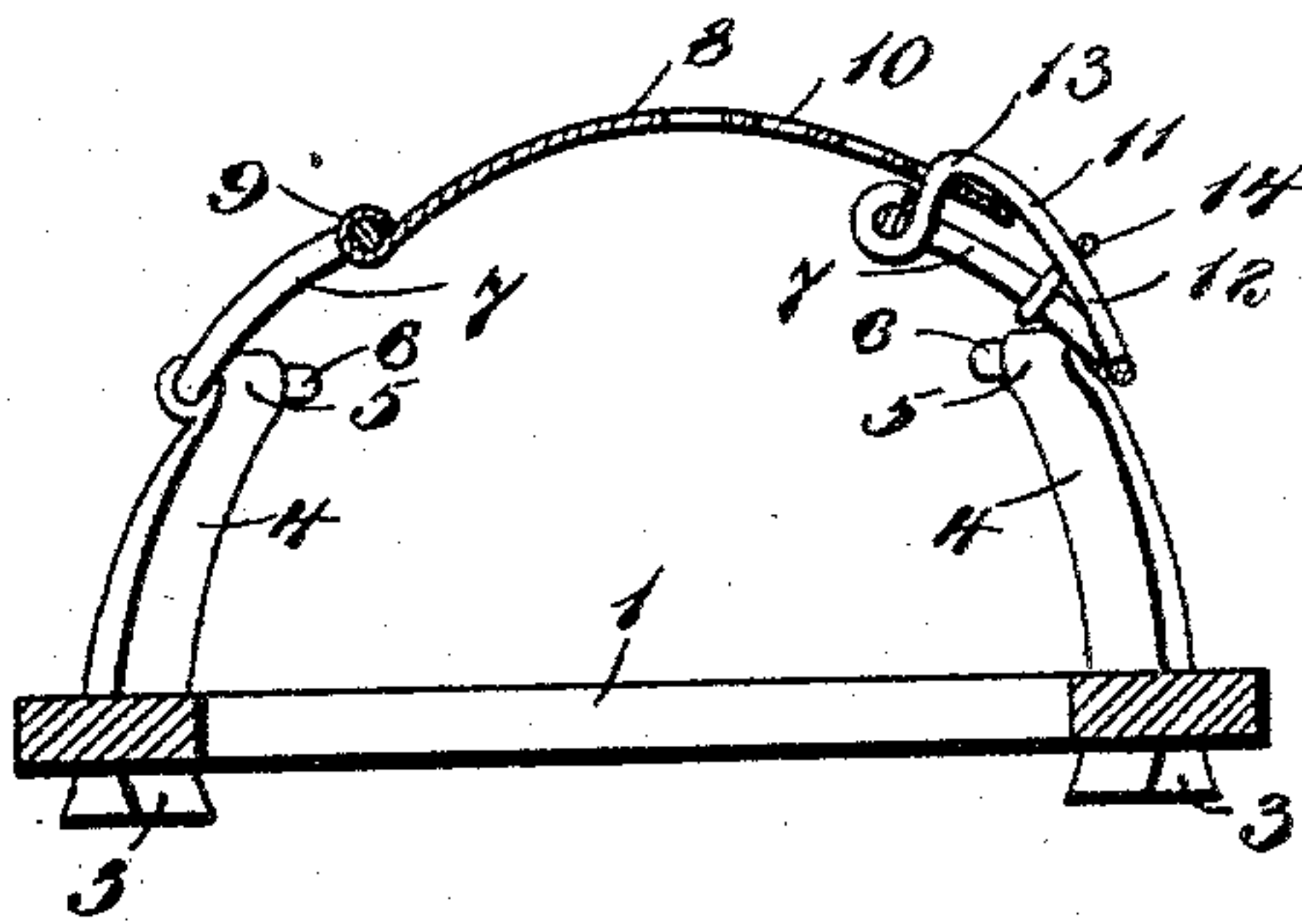
Patented Feb. 1, 1898.



*Fig. 2.*



*Fig. 3.*



Witnesses  
C. Bradway.  
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Attorney



# UNITED STATES PATENT OFFICE.

JOHN C. JACKSON, OF NANNIE, GEORGIA.

## NAILLESS HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 598,152, dated February 1, 1898.

Application filed April 27, 1897. Serial No. 634,178. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN C. JACKSON, a citizen of the United States, residing at Nannie, in the county of Floyd and State of Georgia, have invented certain new and useful Improvements in Horseshoes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to horseshoes; and the object in view is to provide a shoe which may be removably fitted upon the hoof of an animal without the necessity of using nails, thus allowing the shoe to be instantly fitted in place and as quickly removed therefrom. One of the objects of the present invention is to make the fastening means serve the additional function of calks by extending such fastening means below the bearing-surface of the shoe. These and other objects will more fully appear in the course of the subjoined description.

The invention consists in an improved horseshoe embodying certain novel fastening means and other details of construction hereinafter fully described, illustrated in the drawings, and incorporated in the claims hereunto appended.

In the accompanying drawings, Figure 1 is a perspective view of a horseshoe constructed in accordance with the present invention. Fig. 2 is a detail sectional view taken in line with one of the fasteners, showing the manner in which the same is widened or thickened to form one of the calks. Fig. 3 is a cross-section through the shoe, showing the operation of the fastening means.

Similar numerals of reference designate corresponding parts in the several views.

Referring to the drawings, 1 designates a horseshoe, which may be of any usual or preferred construction. This shoe is provided at suitable points adjacent to the heel and toe portions with rectangular apertures 2, in which are received calks 3. The calks 3 pass entirely through the openings 2 and are extended to form metal straps 4, constituting a portion of the means whereby the shoe is fastened upon an animal's hoof. The straps 4 are quite thin and light as compared with the lower ends, which form the calks, the said

lower ends being not only widened, but being also thickened, so as to form the necessary bearing-surface upon the ground and to provide the requisite durability in order to prevent them from wearing away too rapidly.

The straps 4 at their upper ends are rolled, as indicated at 5, to form bearing-eyes for the reception of the oppositely-extending journals or end portions 6 of a pair of pivoted bails 7. The loop portions of these bails extend inward toward each other, and connected pivotally to one of said bails is a hasp 8. This hasp is preferably formed from a strip of metal, one end of which is bent to form an eye-bearing or sleeve 9, by which it is pivotally connected to and mounted upon one of the bails, while the other end of the hasp is provided with a longitudinal series of openings 10 for the reception of a latch-lever 11. This lever is for convenience constructed from a piece of stout wire the central portion of which is looped or recurved upon itself to form a handle 12, the terminals being coiled around the central portion of one of the loop bails, so as to establish a pivoted connection between said lever and bail. The terminal portions of the wire are also offset or extended transversely, as indicated at 13, intermediate their ends, so that the strain of the hasp of the lever will be brought close to the pivotal point of said lever and so that the handle portion of the lever will bear downward upon the free extremity of the hasp when the device is fastened upon the hoof of an animal. In order to prevent the latch-lever from flying upward and releasing the hasp, a keeper 14 is provided. This is in the form of a hook, which is provided at one end with an eye surrounding one of the side portions of the adjacent bail, the other end, where the hook is located, being adapted to be engaged with the opposite portion of the same bail. The shank of the hook is adapted to pass outside of the handle of the lever 11, thus holding said handle downward or inward and preventing any possibility of the latch-lever becoming loose and releasing the fastening device as a whole.

By means of the construction above described it will be seen that the shoe may be readily placed upon an animal's hoof and as readily detached when not needed. The lower ends of the fastening-straps constitute effect-



ive calks, and when worn out they may be replaced by other combined straps and calks, so that the shoe as a whole may be repaired at slight cost. By providing the hasp 8 with  
5 a number of openings the shoe is adjustable to hoofs of different sizes, thus enabling the shoes to be placed upon the market as an article of manufacture.

Having thus described the invention, what  
10 is claimed as new, and desired to be secured by Letters Patent, is—

1. The combination with a horseshoe having upwardly-extending straps, of pivoted bails connected thereto, a hasp carried by  
15 one of said bails, a latch-lever carried by the other bail for engaging said hasp, and a pivoted lock for said lever, substantially as described.

2. The combination with a horseshoe, of

straps projecting upwardly therefrom and 20 provided at their upper ends with eye-bearings, bails pivotally mounted in said bearings, a hasp pivotally connected to one of said bails, a latch-lever pivotally mounted  
25 on the other bail for engaging said hasp, and a locking device in the form of a hook mounted upon one of said bails and adapted to engage and hold the latch-lever, substantially as described.

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

JOHN C. <sup>his</sup> × JACKSON.  
mark

Witnesses:

J. A. JENKINS,  
I. R. RAY.