

(No Model.)

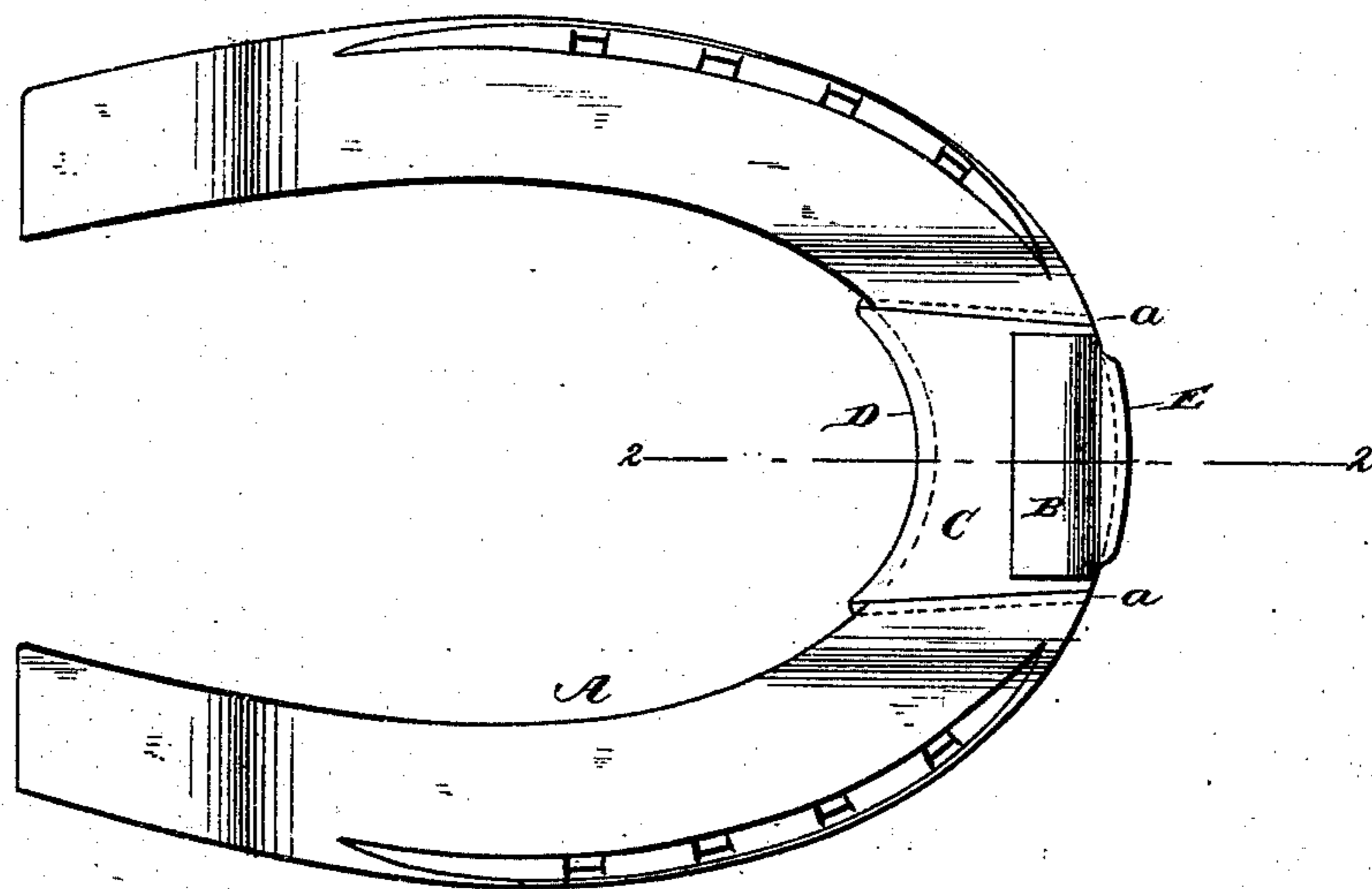
G. H. REYNOLDS

HORSESHOE.

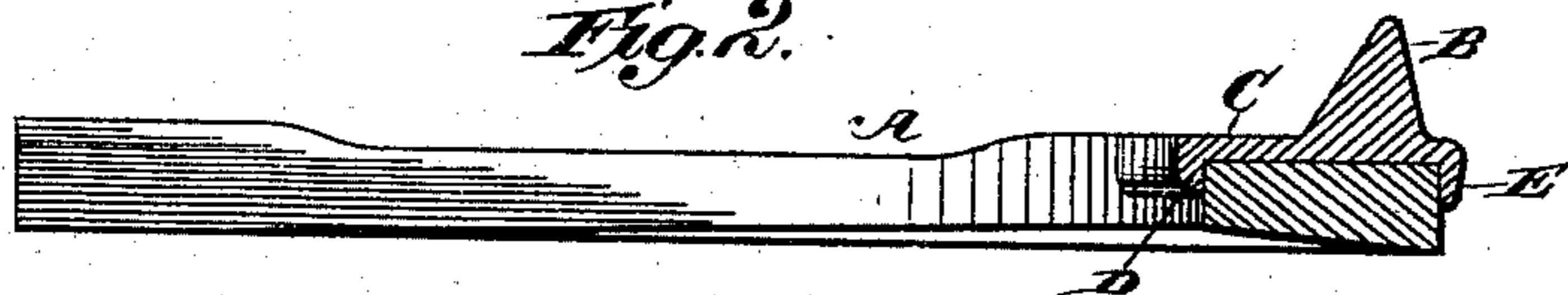
No. 251,636.

Patented Dec. 27, 1881.

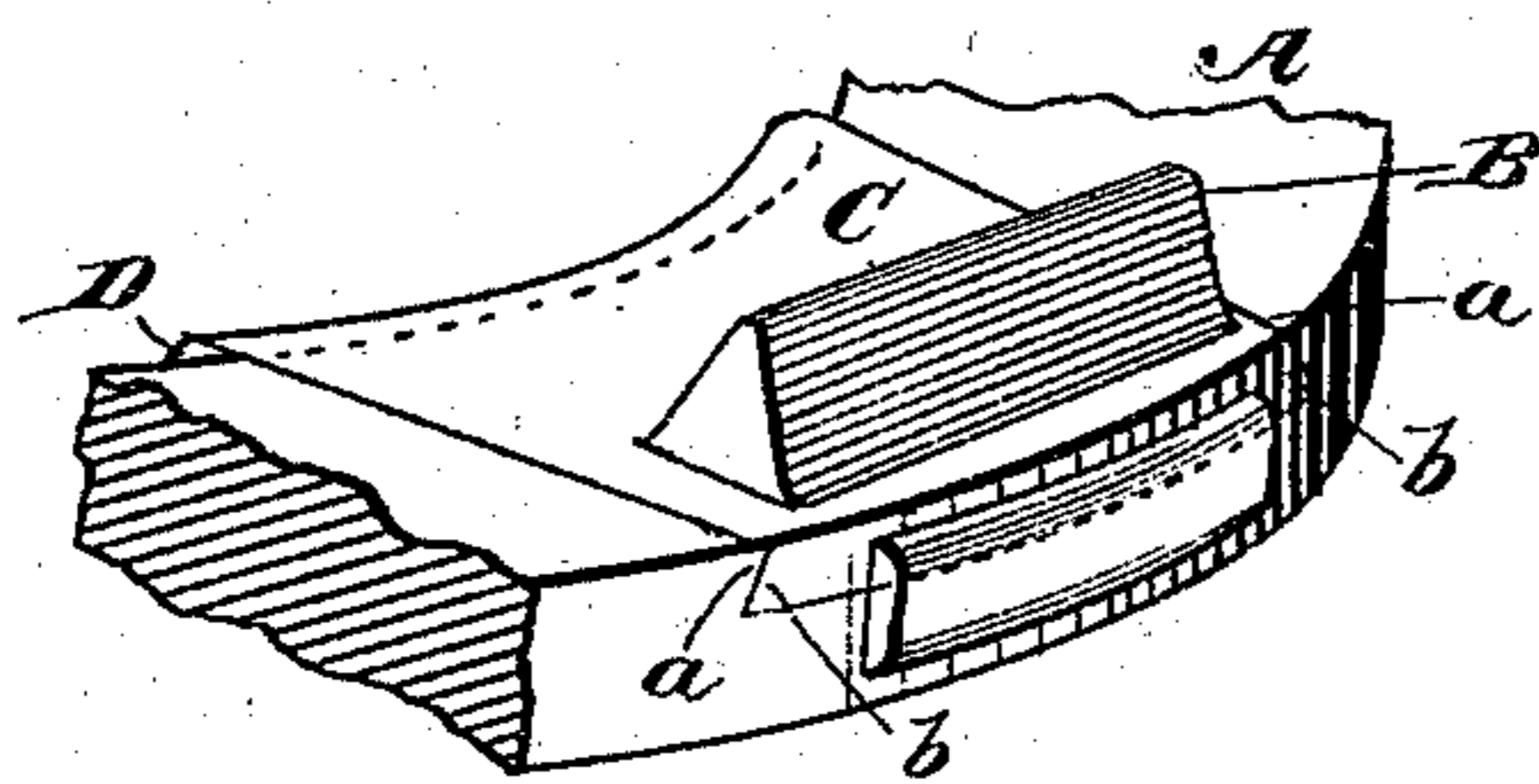
*Fig. 1.*



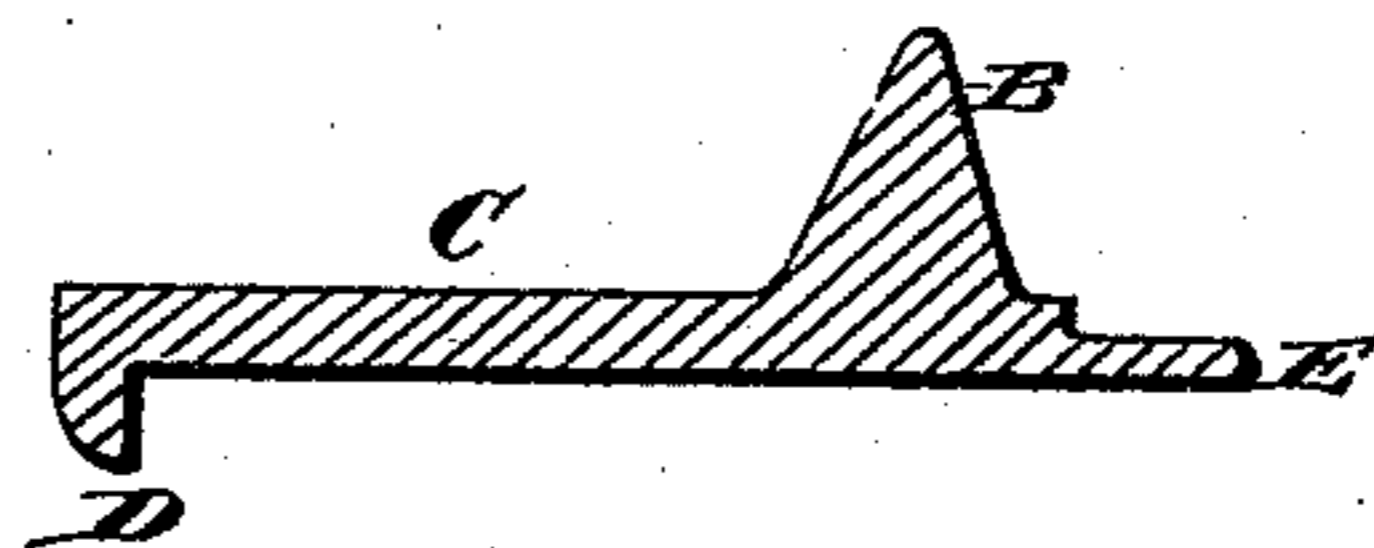
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses.

*Robert Everett.*

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# UNITED STATES PATENT OFFICE.

GEORGE H. REYNOLDS, OF CHICAGO, ILLINOIS.

## HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 251,636, dated December 27, 1881.

Application filed August 26, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE H. REYNOLDS, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful  
5 Improvements in Horseshoes, of which the following is a specification.

This invention relates to that class of horse-shoes which are provided with detachable calks having dovetailed shanks fitted in dovetailed  
10 recesses or seats in the shoe and confined therein by a depending lip. In applying this form of calks they are driven into their seats and the said lips afterward hammered down upon the edge of the shoe, and in attaching  
15 them they are liable to be driven in too far, so that an inaccurate fit or set of the calk is the result.

To avoid this objection is the object of my invention; and to this end it consists in combining with the shoe having a dovetailed recess or seat a plate provided with a calk and beveled edges, and at one end with a permanent turned-down or depending shoulder or abutment, the other end of said plate being  
25 provided with a malleable or annealed lip, all in such manner that the permanent depending shoulder or abutment prevents overdriving, or, in other words, limits the inward driving of the calk by coming in contact with the  
30 edge of the shoe, after which the annealed or malleable lip can be turned or hammered down against the opposite edge of the shoe, thereby providing a very secure and substantial connection of the parts and an accurate and perfect fit or set of the calk with relation to the shoe, and means are provided to guard against and prevent the calk from working in any direction out of its seat when in use.

In the accompanying drawings, Figure 1 represents a plan view of a horseshoe provided with my invention; Fig. 2, a sectional view on the line 2 2 of Fig. 1; Fig. 3, a perspective view of the toe portion of a shoe provided with my invention, and Fig. 4 is a sectional view of the  
45 calk detached.

The letter A indicates a horseshoe which is provided with a tapering dovetailed seat, com-

posed of inwardly-beveled shoulders *a a*, which, as shown, diverge from the front to the rear edge of the shoe.

The letter B indicates the calk, which is  
50 formed with or attached to the calk-plate C, which plate is provided with outwardly-beveled tapering edges *b b* and with a permanent turned-down or depending shoulder or abutment, D, while the opposite end of said plate  
55 is provided with a malleable or annealed lip, E. In attaching the calk-plate in position it is inserted into the dovetailed seat or recess in the shoe, and is forcibly driven therein until  
60 the depending shoulder D abuts against the inner edge of the shoe, after which the malleable or annealed lip E is turned down or hammered against the outer edge of the shoe. By  
65 this construction of parts and mode of attachment the permanent depending shoulder or abutment prevents overdriving—that is, limits the inward driving of the calk—and a substantial and firm connection of the parts is secured, while at the same time an accurate fit or set of  
70 the calk is provided, and the plate is prevented from working loose in any direction.

By the use of my invention, after the shoe has been fitted to the animal the worn calks can be removed from time to time without de-  
75 taching by simply raising the annealed lip with a suitable instrument and then driving the calk-plate from its seat.

What I claim is—

The combination, with a horseshoe having  
80 a dovetailed recess formed by inwardly-beveled shoulders, of the calk plate having outwardly-beveled edges, and provided at one end with the permanent depending shoulder or abutment and at the other end with the malleable  
85 or annealed lip, all substantially as and for the purpose described.

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

GEORGE H. REYNOLDS.

Witnesses:

WM. E. HUTTON,  
EDGAR J. GROSS.