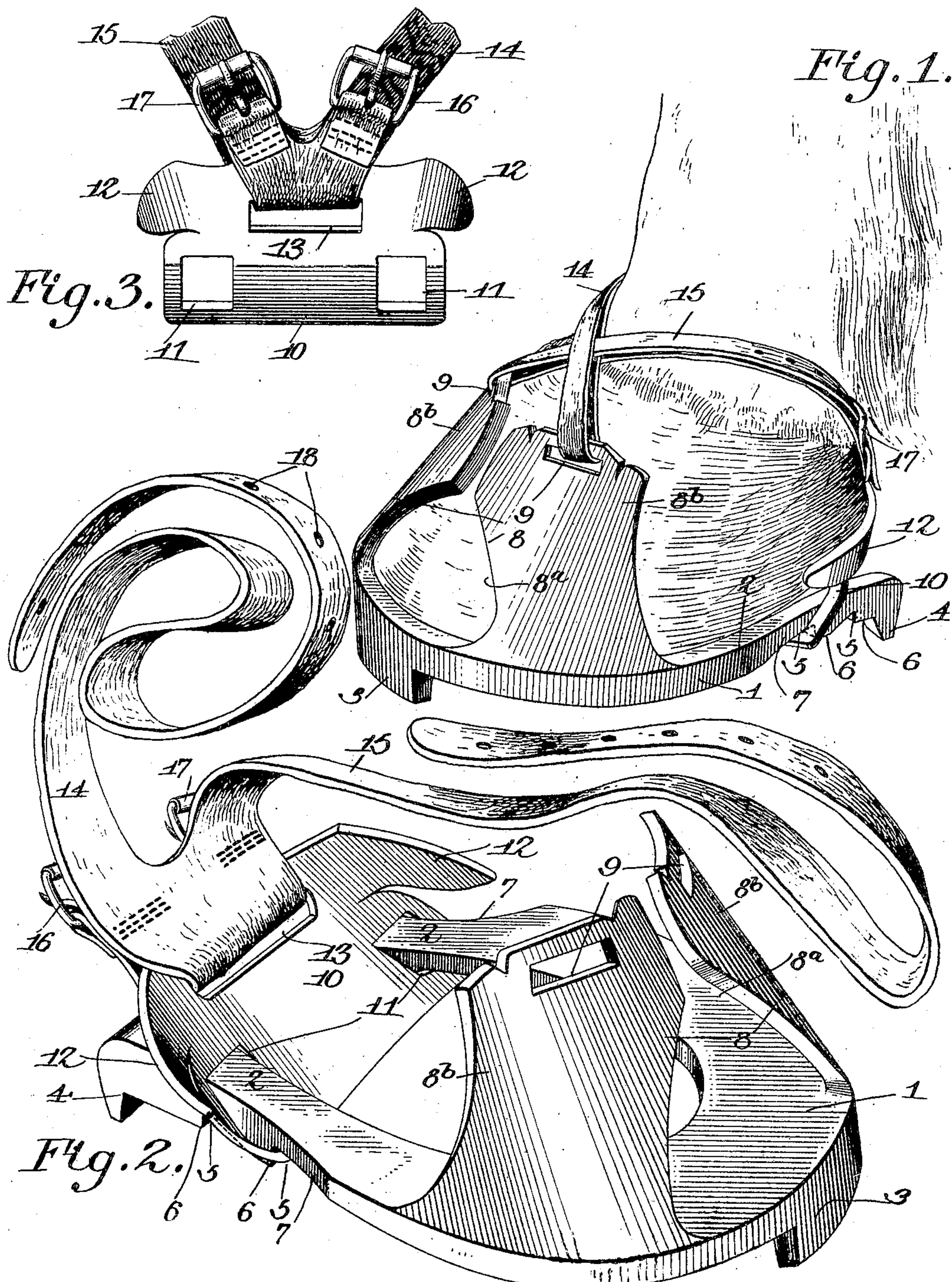


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PATENTED SEPT. 5, 1905.

C. CONN.
HORSESHOE.

APPLICATION FILED NOV. 4, 1904.



Witnesses
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UNITED STATES PATENT OFFICE.

CALVIN CONN, OF WHEATLAND, INDIANA.

HORSESHOE.

No. 798,598.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CALVIN CONN, a citizen of the United States, residing at Wheatland, in the county of Knox and State of Indiana, have
5 invented a new and useful Horseshoe, of which the following is a specification.

This invention relates to horseshoes; and it has for its object to provide for the attachment of shoes to the hoofs of animals without
10 driving nails and in such a manner as to make the shoes readily detachable when desired.

A further object of the invention is to provide for the adjustability of the shoe, so that it may be conveniently fitted to hoofs of various
15 sizes.

With these and other ends in view the invention consists in the improved construction and novel arrangement and combination of parts, which will be hereinafter fully described, and particularly pointed out in the
20 claims.

In the accompanying drawings has been illustrated a simple and preferred form of embodiment of the invention, it being, however, understood that no limitation is necessarily
25 made to the precise structural details therein exhibited, but that the right is reserved to any changes, alterations, and modification to which recourse may be had within the scope of the invention and without departing from the spirit or sacrificing the efficiency of the same.

In said drawings, Figure 1 is a perspective view showing the improved horseshoe applied to the hoof of a horse. Fig. 2 is a perspective
30 view illustrating the shoe detached. Fig. 3 is a detail view of the attaching member.

Corresponding parts in the several figures are indicated by like characters of reference.

In carrying this invention into practical
40 operation a shoe 1 is provided, which is mainly of conventional shape with the exception that the heel members 2 2 are somewhat elongated. The shoe is provided with toe and heel calks 3 4, and each of the side or heel members 2 2
45 is provided in the under side thereof with a plurality of beveled recesses 5 5, whereby shoulders or ratchets 6, facing in a forward direction, are formed. The outer edges of the side or heel members 2 2 are also provided
50 with inwardly-beveled portions forming recesses 7. The shoe is provided at its toe or front portion with an upwardly-extending cap-plate 8 for the reception of the toe of the hoof, said cap-plate being provided at its upper edge

with loops 9 9. Said cap-plate or toe-cap is
55 preferably provided with a vertical slot or recess 8^a, narrow at its upper end and wide at its lower end, said slot dividing the toe-cap into two separate plates 8^b 8^b, which are capable of being bent or hammered into shape to
60 fit neatly upon the hoof of the animal to which the shoe is applied.

10 designates an attaching member consisting of a plate provided near its lower corners with slots or openings 11, whereby said plate
65 may be placed in engagement with the heel members of the shoe, the lower edges of the slots serving to engage the ratchets upon the under sides of the heel members. Said plate or attaching member is to be suitably shaped
70 to engage and to afford a support for the heel of the hoof, and the sides of said plate are provided with forwardly-extending wings 12, engaging the sides of the hoof of the animal. Near the upper edge of the plate 10 is formed
75 a slot 13 for the attachment of a pair of straps 14 and 15, which carry buckles 16 and 17 at their rear ends, while the free ends of said straps are provided with perforations 18 to
80 engage the tongues of the buckles.

The shoe is applied by adjusting the cap-plate 8 over the toe of the hoof and moving the attaching-plate 10 forwardly until it is in engagement with ratchets as near the toe of the shoe as feasible. It will be understood
85 that by providing a plurality of ratchets the shoe is made capable of being fitted to hoofs of various sizes. After properly adjusting the attaching-plate the ends of the straps 14 and 15 are carried forwardly and across each
90 other in front of the hoof and threaded through the respective opposite loops 9 and then carried back behind the hoof, where they are connected to the respective buckles.

It will be seen that a shoe constructed in accordance with this invention may be very easily
95 and quickly applied to or detached from the hoof of an animal. Also by the avoidance of the use of nails the hoof is preserved in the best possible condition. It is obvious that in
100 the act of applying the shoe when the straps are being tightened the upper end of the attaching member 10 will be drawn in a forward direction while the lower edge will be
105 moved rearwardly by the rocking movement of said plate or attaching member, thus causing the lower edges of the slots 11 to be brought into positive engagement with the ratchets or

teeth upon the under side of the shoe, and thereby enabling the latter to be attached and held with perfect security.

Having thus described the invention, what is claimed is—

1. A horseshoe having a toe-cap and provided with ratchets upon its under side, and a slidable attaching member engaging said ratchets.
2. A horseshoe having a toe-cap, the side members of said horseshoe being provided with ratchets upon their under sides, and an attaching member having slots slidably engaging the side members and the ratchets thereon.
3. A horseshoe having side members beveled or recessed at their outer edges and provided with ratchets upon their under sides, in combination with an attaching member comprising a plate, slotted to engage the side members of the shoe.
4. A horseshoe having a toe-cap and provided with ratchets upon its under side, and an attaching member adjustably engaging said ratchets and having laterally-extending wings.
5. A horseshoe having a toe-cap and side members beveled at their outer edges and provided with ratchets on their under sides, in combination with an attaching member hav-

ing slots, slidably engaging the side members of the shoe and the ratchets thereon, and provided with laterally-extending wings.

6. A horseshoe having a toe-cap provided with loops at its upper edge, the side members of said horseshoe being provided with ratchets upon their under sides, in combination with an attaching member having slots engaging the side members of the shoe, straps connected with the upper edge of said attaching member for engagement with the respective loops, and buckles for the straps.

7. A horseshoe having a toe-cap provided with loops at the upper edge thereof, said toe-cap being vertically slotted to form a plurality of members, the side members of said horseshoe being provided with ratchets upon their under sides, in combination with an attaching member having slots engaging the side members of the shoe, straps connected with the upper edge of the attaching member for engagement with the loops of the toe-cap, and fastening means for the slots.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CALVIN CONN.

Witnesses:

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