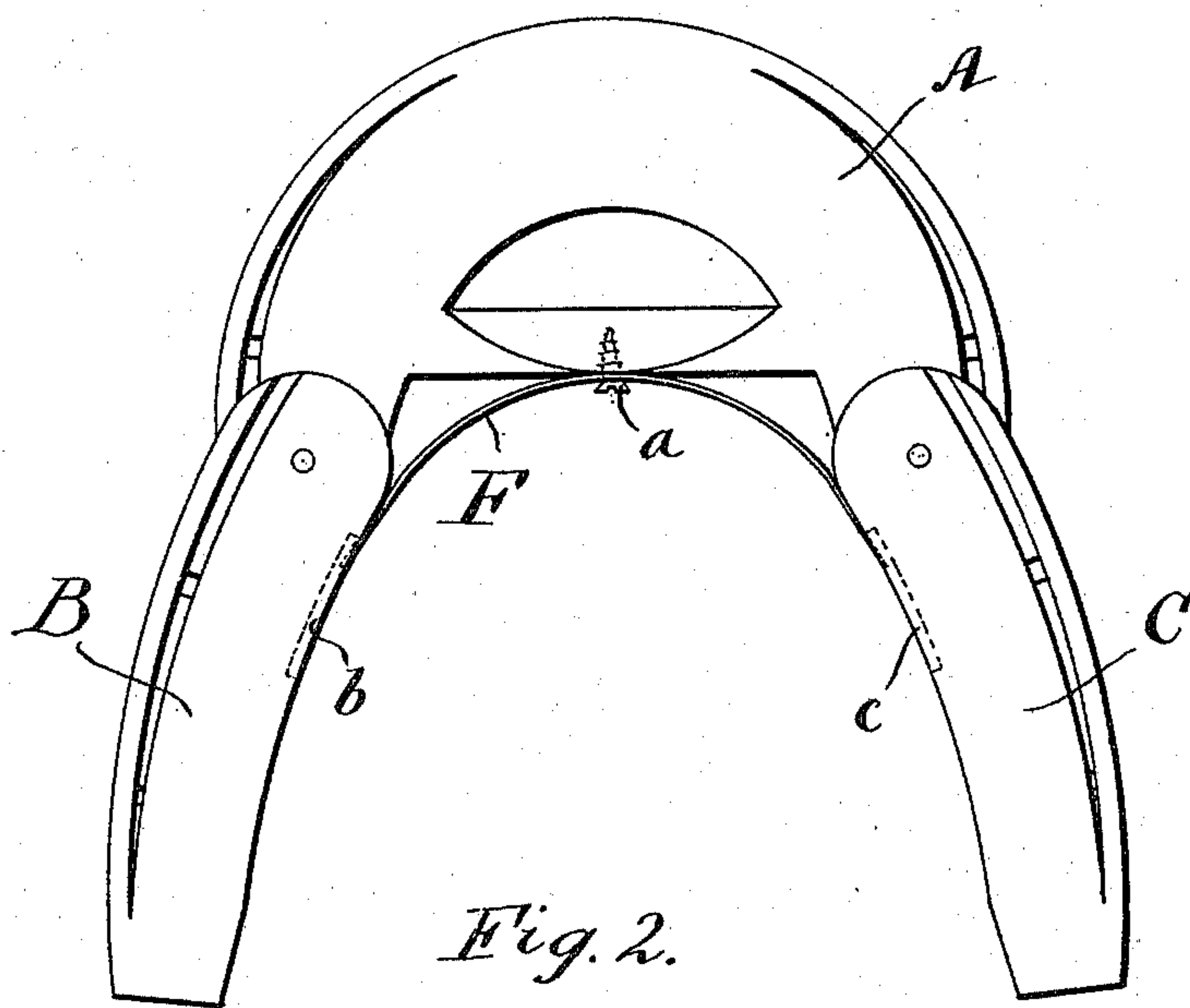
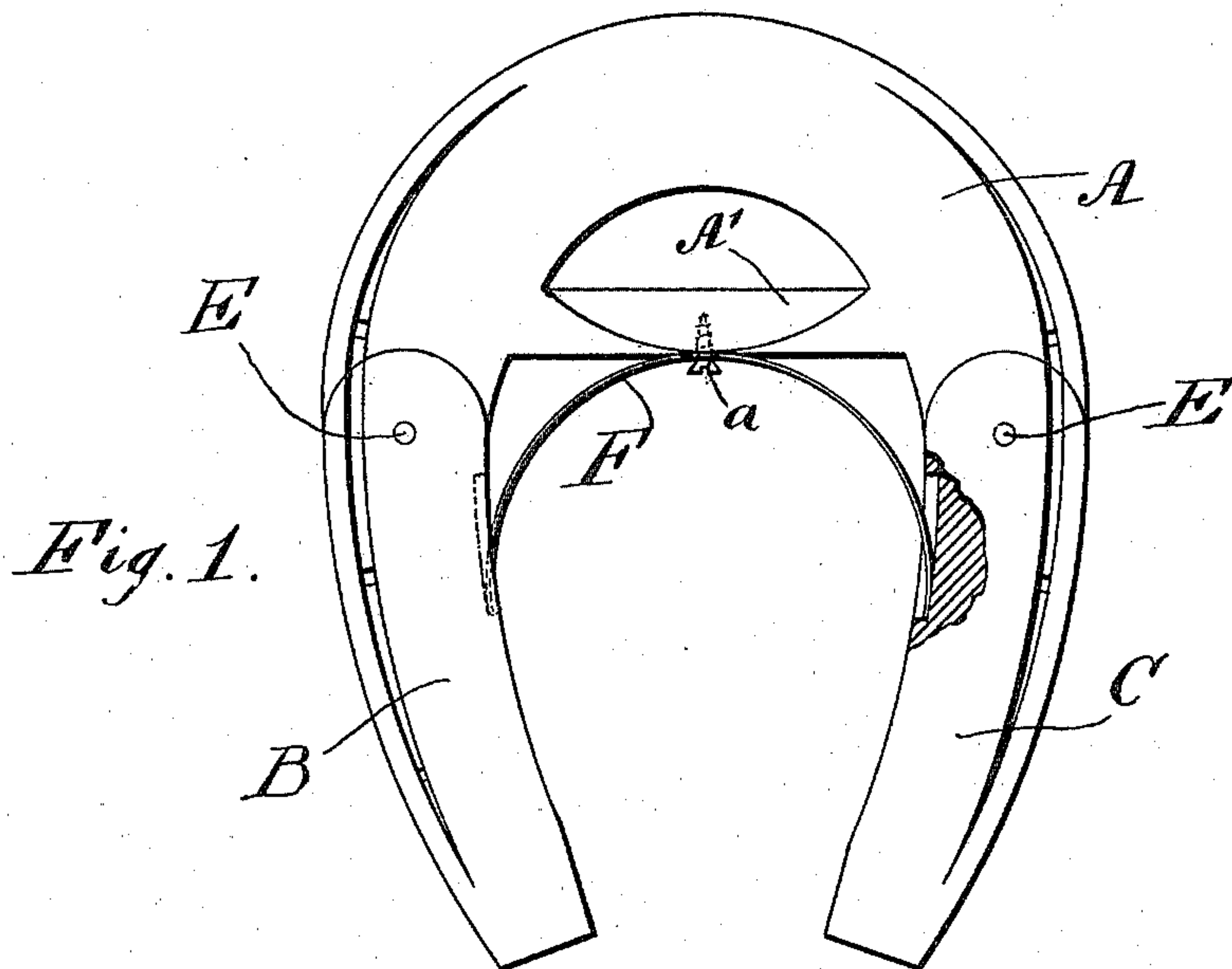


(No Model.)

A. PEARSALL.  
HOOF SPREADING HORSESHOE.

No. 579,303.

Patented Mar. 23, 1897.



WITNESSES:  
*C. C. Wingel.*  
*C. Sedgwick*

INVENTOR  
*Alexander Pearsall*

BY  
*[Signature]*  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

ALEXANDER PEARSALL, OF LOCUST VALLEY, NEW YORK.

## HOOF-SPREADING HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 579,303, dated March 23, 1897.

Application filed July 31, 1896. Serial No. 601,141. (No model.)

*To all whom it may concern:*

Be it known that I, ALEXANDER PEARSALL, a citizen of the United States, and a resident of Locust Valley, county of Queens, and State of New York, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to an improvement in horseshoes, the object thereof being to supply an article of this character adapted for automatically spreading the heel of a horse's hoof and preventing the same from contracting.

The device comprises few and simple parts, and it is durable and inexpensive, it does not weigh any more than an ordinary horseshoe, and it is adaptable for attachment to the horse's hoof by the ordinary process of nailing.

The invention will be hereinafter fully described, and specifically set forth in the annexed claim.

In the accompanying drawings, forming part of this specification, Figure 1 is an inverted plan view of my improved horseshoe, showing the same in the position that it will assume when it is attached to a horse's hoof; and Fig. 2 is a similar view showing the normal position of the shoe before it is attached to the hoof.

In the practice of my invention I provide a shoe comprising three sections A, B, and C. Of these three sections the section A comprises a front or toe portion of the shoe, and it is of a segmental contour in plan. The two other sections B and C comprise the heel portions of the shoe, and they are hinged to the section A by means of pivots E, which said pivots are preferably riveted, whereby the parts are securely maintained in connection with each other, while at the same time the

sections B and C are adapted for swinging motion, as illustrated in Fig. 2 of the drawings.

The section A of the shoe is provided with a cross-brace A', which said brace preferably forms an integral part of the said forward portion A of the shoe. Attached to this said brace by a screw, rivet, or other suitable means *a* is a plate-spring F of a normal semi-elliptical contour. The two ends of this said spring engage, respectively, with recesses *b* and *c* of the swinging arms or sections B and C, comprising the heel portions of the shoe.

In the operation and use of the device the toe portion A of the shoe will first be nailed to the horse's hoof. The side portions will then be pressed toward each other and also nailed to the hoof, and inasmuch as the act of pressing the two portions together compresses the spring F the tendency thereof will be to force the sections B and C of the shoe apart, whereby the heel of the horse's hoof will be prevented from contracting.

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

In a horseshoe, the combination of a front segmental portion having a brace forming part thereof, and two swinging side portions pivotally attached to the said front portion, the side portions having recesses therein for engagement with the ends of a semielliptical spring, which spring is attached to the brace of the said front portion of the shoe, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 29th day of July, 1896.

ALEXANDER PEARSALL.

Witnesses:

JOSEPH S. HENDRICKSON,  
HENRY RITCHIE.