

(No Model.)

E. W. EUGE.
HORSESHOE.

No. 562,762.

Patented June 23, 1896.

Fig. 1.

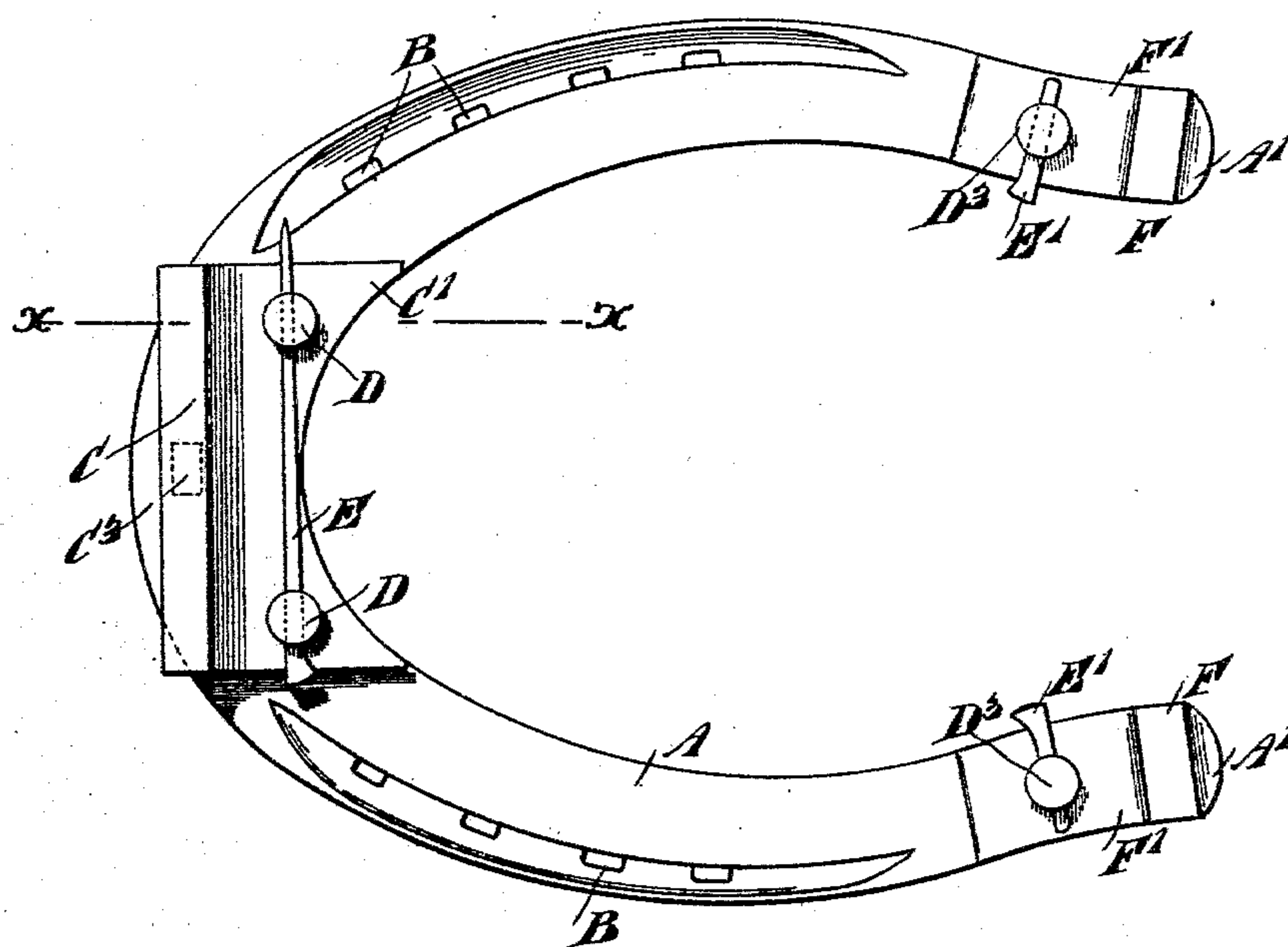


Fig. 2.

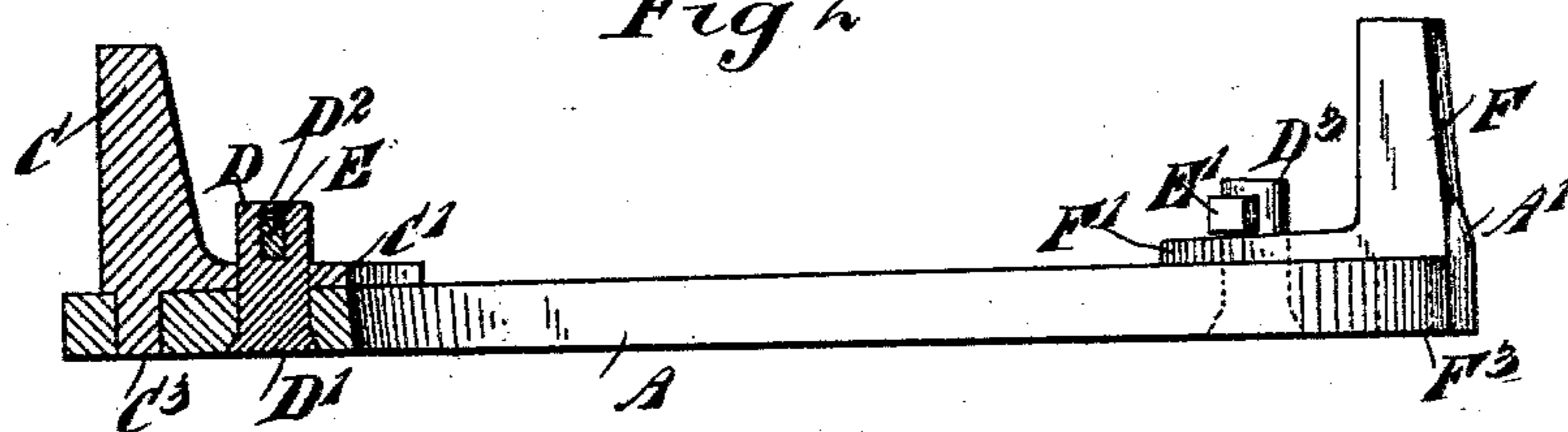


Fig. 3.

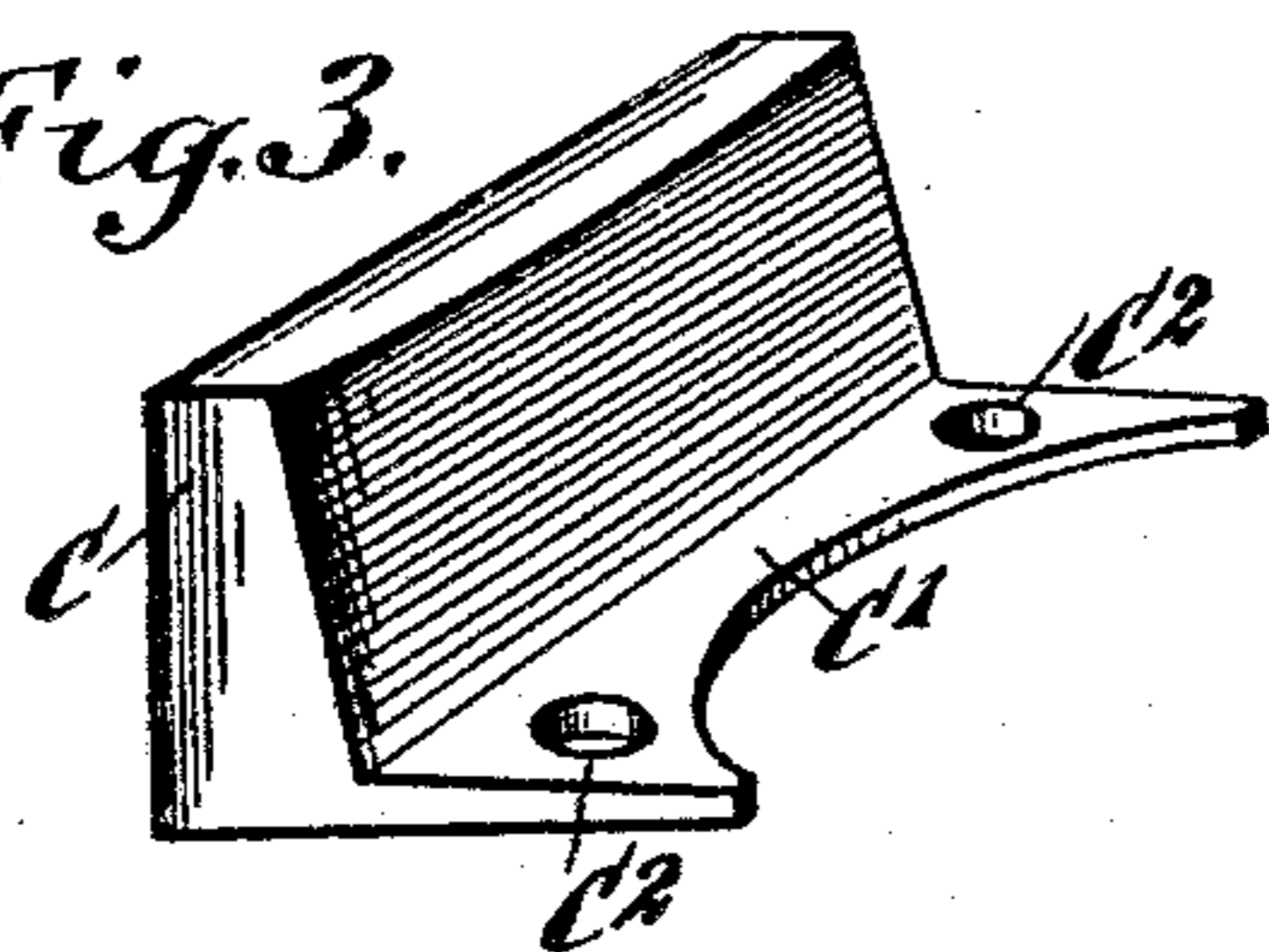


Fig. 4.

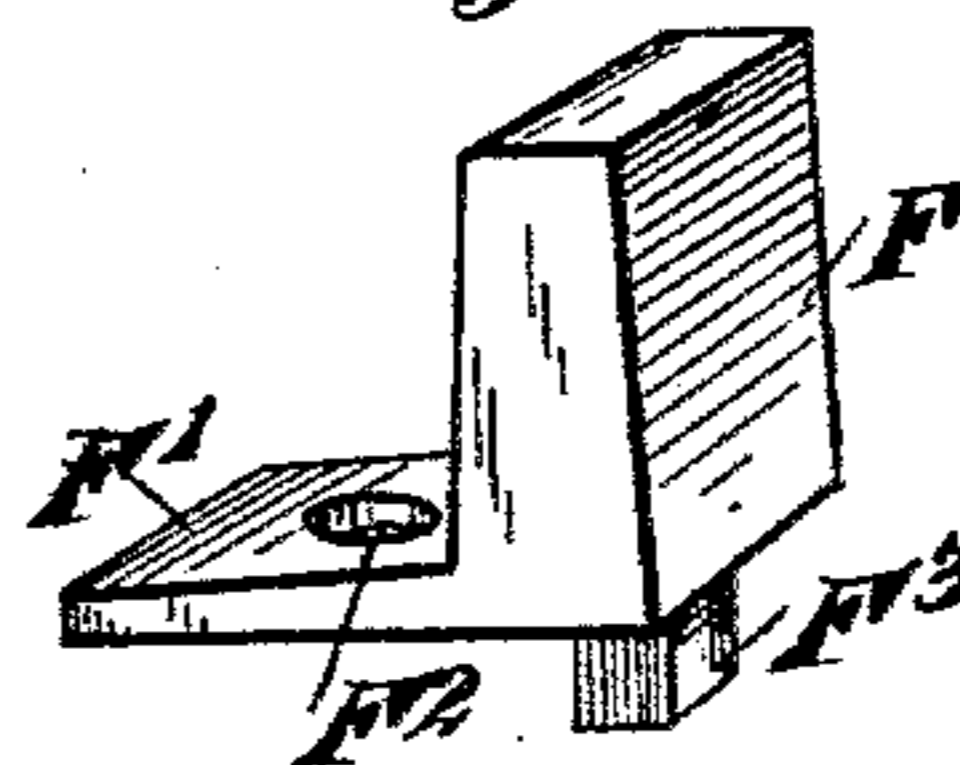
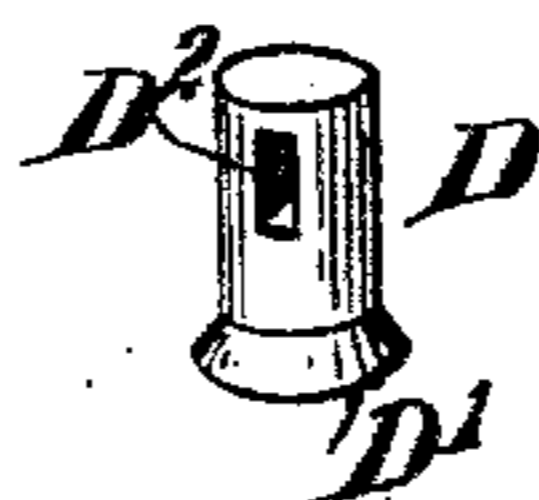


Fig. 5.



WITNESSES:

L. N. Legendre
Geo. F. Foster.

INVENTOR

E. W. Euge

BY

Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

EDWARD W. EUGE, OF LEBANON, MISSOURI.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 562,762, dated June 23, 1896.

Application filed March 17, 1896. Serial No. 583,499. (No model.)

To all whom it may concern:

Be it known that I, EDWARD W. EUGE, of Lebanon, in the county of Laclede and State of Missouri, have invented a new and Improved Horseshoe, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved horseshoe, arranged to permit of readily removing worn-out toe and heel calks and replacing the same by new ones, without weakening the shoe or removing it from the animal's hoof.

The invention consists of a toe-calk and heel-calks, each having an apertured flange, key-pins held on the shoe and passing through the apertures in the flanges, and keys for the pins for securely engaging the faces of the flanges and securely fastening the calks in place on the shoe.

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of the improvement. Fig. 2 is a sectional side elevation of the same on the line $x-x$ of Fig. 1. Fig. 3 is a perspective view of the toe-calks. Fig. 4 is a like view of one of the heel-calks, and Fig. 5 is a similar view of one of the key-pins.

The horseshoe A is provided with the usual nail-holes adapted to be engaged by nails for fastening the shoe in place on the hoof of the animal in the usual manner. The toe-calk C for the shoe is provided with a flange C', extending inwardly, and formed with apertures C² for the passage of key-pins D, each having a head D' countersunk in the shoe A, and an elongated opening D² for the passage of the key E, adapted to engage the top or outer face of the flange C', to securely lock or fasten the calk C in position on the shoe.

Now it will be seen by reference to Fig. 1 that the two key-pins D for the toe-calk have their openings in alinement, so that one single key E driven into said openings securely fastens the calk and pins in place on the shoe A. The calk C is also provided with a polygonal offset C³, adapted to engage a corresponding

aperture in the toe portion of the shoe to insure a proper position of the calk C on the shoe.

Each of the heel-calks F is provided with a flange F', having an opening F² for engagement with a key-pin D³, similar to the key-pin D above described, and likewise adapted to receive a key E' engaging the face of the flange F', to securely lock the heel-calk in place on the shoe. Each calk F is also provided with a polygonal offset F³, engaging a correspondingly-shaped opening in the heel end of the shoe. It will be seen that by this arrangement the heel-calk F is prevented from turning, and in order to strengthen the heel portion of the shoe, I may form the same with a flange A', adapted to extend on the outer end of the heel, as indicated in the drawings.

It will be seen that by the arrangement described the shoe itself is not weakened to any great extent, and the heel and toe calks can be readily removed when worn out by withdrawing the keys and then new calks can be inserted on the pins and drawn in place by driving in the keys.

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

1. A horseshoe, provided with a toe-calk and heel-calks, each having an apertured flange, key-pins held on the shoe and passing through the apertures in the flanges, and keys for the said pins, for engaging the faces of the flanges and securely fastening the calks in place on the shoe, substantially as shown and described.

2. A horseshoe, provided with a toe-calk and heel-calks, each having an apertured flange, key-pins held on the shoe and passing through the apertures in the flanges, and keys for the said pins, for engaging the faces of the flanges and securely fastening the calks in place on the shoe, each of the calks being provided with a polygonal offset adapted to engage a corresponding opening in the shoe, substantially as shown and described.

EDWARD W. EUGE.

Witnesses:

C. C. DRAPER,
C. W. RUBY,
W. I. WALLACE.