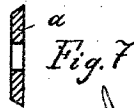
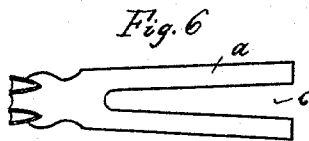
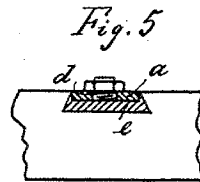
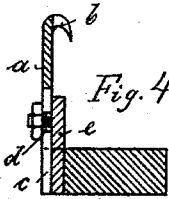
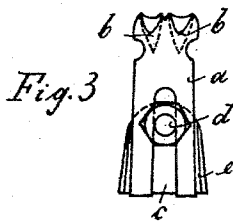
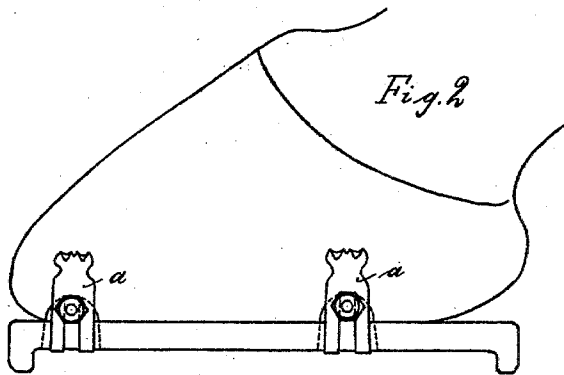
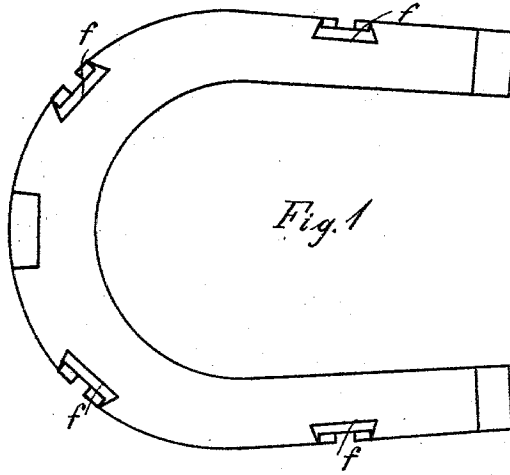


(No Model.)

C. EISENBERG.
NAILLESS HORSESHOE.

No. 569,623.

Patented Oct. 20, 1896.



Witnesses.
H. van Oldenmeel
E. A. Leek

Inventor
Christian Eisenberg
by 
Attorneys

UNITED STATES PATENT OFFICE.

CHRISTIAN EISENBERG, OF BERLIN, GERMANY.

NAILLESS HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 569,623, dated October 20, 1896.

Application filed April 7, 1896. Serial No. 586,551. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN EISENBERG, a subject of the King of Prussia, Emperor of Germany, and a resident of Berlin, in the Kingdom of Prussia, German Empire, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification.

The present invention relates to improvements in devices for fastening horseshoes without nails, constructed of clamps attached to the shoe below and penetrating the hoof laterally, the advantage thereof being a closer fastening and a ready adjustment.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 shows the horseshoe with recesses in the sides for receiving the fastening devices; Fig. 2, a side view of the hoof with a horseshoe thereon. Fig. 3 is a front view of the fastening device; Fig. 4, a vertical section through the same and part of the shoe. Fig. 5 is a horizontal section of the device, this view also showing a part of the shoe. Fig. 6 is a plan view of the clamping device proper, and Fig. 7 is a transverse section thereof.

The apparatus consists of a hook-shaped clamp *a*, provided at its upper part with bent points *b*. In order to increase the fastening power, the hooks have a groove-shaped cross-section, so that they do not bend easily. The lower end of the clamp *a* is fastened in a dovetailed recess of the horseshoe, said clamp being provided with a slot *c* at its lower end for this purpose. In one way of using the de-

vice of Figs. 6 and 7 a wedge is pressed into said slot *c*, and the clamp *b* is thus fixed in the recess *f*. In the second way the connection between the horseshoe and the clamp is established by a separate connecting-piece *e*. These pieces consist of little plates shaped somewhat conically toward the top, of suitable trapezium-shaped cross-section, which are slipped from below in the dovetailed recesses of the horseshoe and carry at their top a threaded bolt which unites the clamp with the piece *e*, compressing the same. About four of these fastening devices are adapted to the horseshoe.

I claim—

1. In combination with a horseshoe, the clamp extending therefrom and having hooks with grooves therein, substantially as described.

2. In combination, the horseshoe having a dovetail recess, the wedge-shaped connecting-piece *e* therein, and the clamp held to the wedge-shaped piece adjustably, substantially as described.

3. In combination, the horseshoe having recesses, and a clamp having hooks and a slot *c* with means in said slot for holding the clamp in place.

In witness whereof I have hereunto set my hand in presence of two witnesses.

CH. EISENBERG.

Witnesses:

MAURICE J. HAHLO,
E. KELLER.