

A. B. & W. P. HEIMBACH.
YIELDING HOOF PAD.
APPLICATION FILED JULY 15, 1909.

949,358.

Patented Feb. 15, 1910.

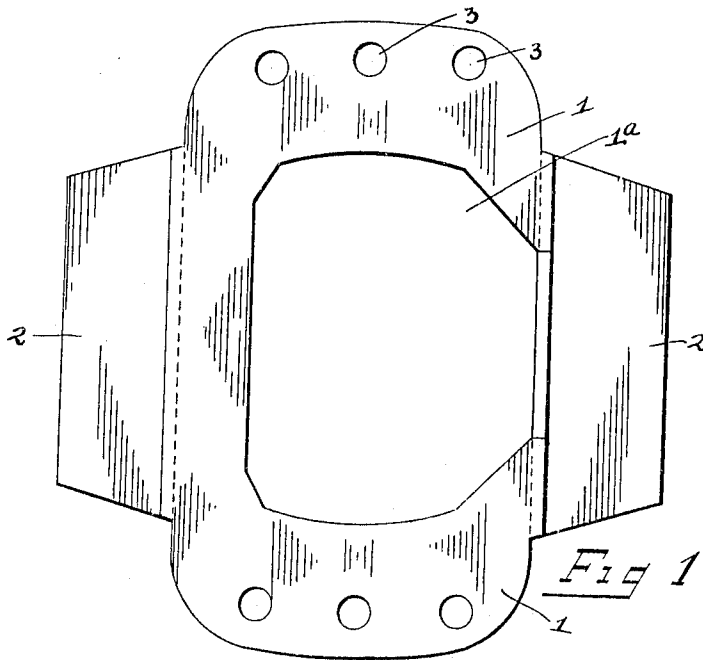


Fig 1

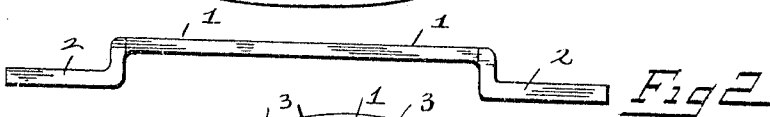


Fig 2

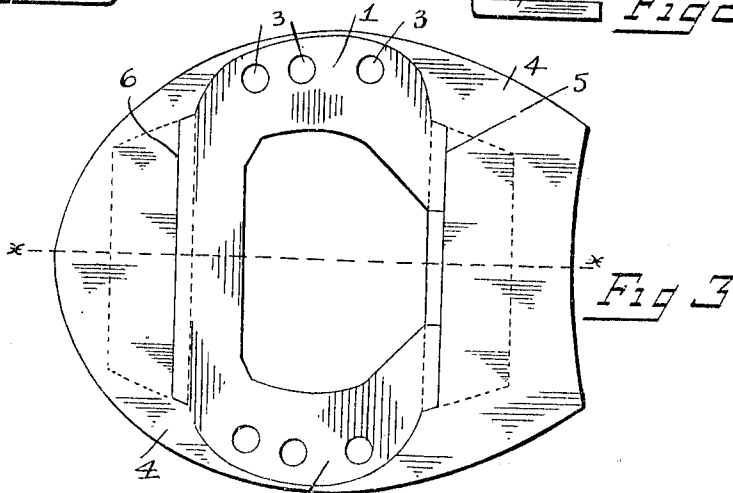


Fig 3

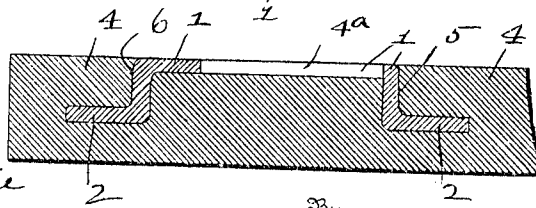


Fig 4

Inventors

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UNITED STATES PATENT OFFICE.

ALTON B. HEIMBACH AND WILLIAM P. HEIMBACH, OF DULUTH, MINNESOTA.

YIELDING HOOF-PAD.

949,358.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, ALTON B. HEIMBACH and WILLIAM P. HEIMBACH, citizens of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Yielding Hoof-Pads, of which the following is a specification.

Our invention relates to the improvement of yielding hoof pads such as are adapted to be worn by horses and the objects of our invention are to provide a simple and reliable hoof pad construction so connected with the hoof as to admit of the rubber pad being readily attached to or detached therefrom and to admit of the insertion in connection with the holding device, of a new pad when desired; to so construct our improved hoof pad as to prevent undesirable pressure on or interference with the frog of the hoof and to produce other improvements the details of which will be more fully pointed out hereinafter. These objects we accomplish in the manner illustrated in the accompanying drawing, in which:

Figure 1 is a plan view of the pad retaining plate, Fig. 2 is a side elevation of the same, Fig. 3 is a plan view of said retaining plate with the pad connected therewith, and, Fig. 4 is a sectional view on line $x-x$ of Fig. 3.

Similar numerals refer to similar parts throughout the several views.

In carrying out our invention, we employ a pad retaining plate 1 preferably of metal, this plate being formed at its front and rear sides with depressed projecting tongues 2 of less width than the plate. The body of the plate 1 is recessed as indicated at 1^a to impart to said plate a substantially C-form and adjacent to its opposite sides the plate body 1 is formed with suitable nail holes 3. The plate thus formed is adapted to be nailed to the hoof of the horse, with the depressed tongue portions 2 projecting respectively rearward and forward.

4 represents our improved pad body which is formed of rubber or other suitable pliable or yielding material. In the upper face of the body 4 we form a depression 4^a which is equal to the thickness of the plate 1 and from the ends of this depression lead downward and thence outward toward the heel and toe portions of the pad, angular recesses 5 and 6. As shown in the drawing, the vertical portions of these recesses extend trans-

versely of the pad and in attaching the pad to the plate, the rubber pad body is so bent or manipulated as to permit of the insertion of the angular tongue members 2 of the plate 1 into the angular recesses of the pad, the body of the plate 1 lying in the pad recess 4^a. The body 4 being permitted to assume its normal horizontal position, it is obvious that the pad will have thus been locked in connection with the plate, so that the weight of the horse will be carried by the pads. In this manner a non-slipping foot pad is provided for horses' hoofs, which is readily renewable without the necessity of employing a new retaining plate when the pad becomes worn. It will also be observed that the shape of the retaining plate and pad is such as to obviate an undesirable pressure on the frog of the hoof.

From the foregoing description, it will be seen that simple and efficient means are herein provided for accomplishing the objects of the invention, but while the elements shown and described are well adapted to serve the purposes for which they are intended, it is to be understood that the invention is not limited to the precise construction set forth, but includes within its purview such changes as may be made within the scope of the appended claim.

What we claim, is:

In a yielding pad for horses' hoofs, the combination with a flat plate adapted to be rigidly connected to the under side of a horse's hoof, said plate having an opening formed therethrough opposite the frog of the hoof, of a downwardly and forwardly projecting, L-shaped, transverse member at one side of said plate and a downwardly and rearwardly projecting L-shaped transverse member at the opposite side of said plate, a yielding pad body having a shallow recess in its upper face in which the body portion of said plate lies and having a downwardly and forwardly projecting recess for the reception of the first named transverse member, and a downwardly and rearwardly projecting recess in which the last named transverse member engages.

In testimony whereof we affix our signatures in presence of two witnesses.

ALTON B. HEIMBACH.

WILLIAM P. HEIMBACH.

Witnesses:

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