T. F. FLAHERTY.

HOOF PAD FOR HORSESHOES.

APPLICATION FILED MAY 6, 1908.

918,032.

Patented Apr. 13, 1909.

Fig. 1.

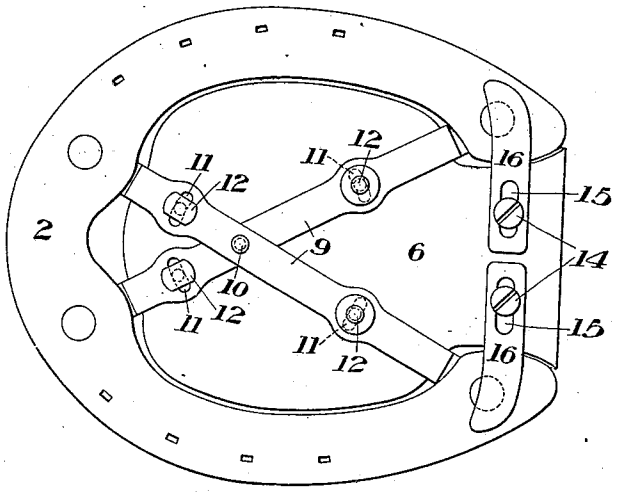


Fig. 2.

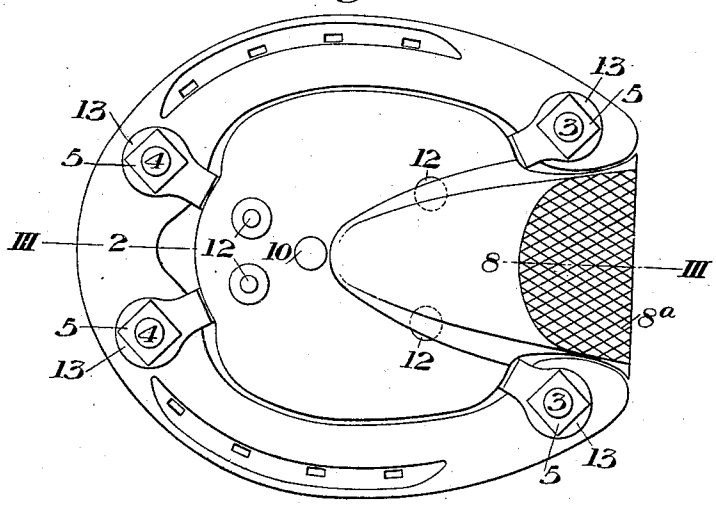
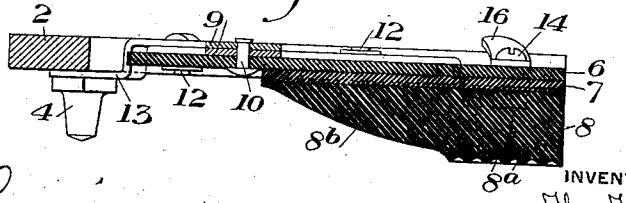


Fig. 3.



WITNESSES

INVENTOR

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UNITED STATES PATENT OFFICE.

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HOOF-PAD FOR HORSESHOES.

No. 918,032. Specification of Letters Patent. Patented April 13, 1909.

Application filed May 6, 1908. Serial No. 431,127.

To all whom it may concern:

Be it known that I, THOMAS F. FLAHERTY, a citizen of the United States, residing in the city of New York, in the county and State of New York, have invented a certain new and useful Improvement in Hoof-Pads for Horseshoes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figures 1 and 2 are respectively top and bottom plan views of a hoof pad embodying my invention applied to a horse shoe; and Fig. 3 is a vertical longitudinal section on the line III—III of Fig. 1.

My invention has relation to hoof pads, and is designed to provide a yielding pad of novel and effective character, together with means whereby the same may be quickly attached to and removed from the shoe, and whereby the pad may be easily and readily adjusted to different shapes and sizes of shoes.

In the drawings, the numeral 2 designates a metal horse shoe of the usual form and character, having the heel calks 3 and the toe calks 4. These calks are preferably formed with threaded studs or shanks which are screwed into threaded apertures in the shoe, with wrench seating portions 5, whereby they may be readily removed.

6 designates a pad plate, which is preferably formed of a piece of leather shaped to fit within the shoe, and to which the pad or cushion 7 is rigidly secured. This pad or cushion preferably consists of a hollow layer 7 of leather which is cemented or otherwise firmly secured to the pad plate 6, and to which is cemented the rubber pad or cushion 8. This pad or cushion has the flat and preferably roughened tread surface 8^a which is between the two heel calks and of about the same, or a little greater depth or projection, and the sloping portion 8^b.

9 designates two straps which are secured to the upper or foot side of the pad plate 6. These straps are crossed at a point which is nearer the toe than the heel end of the shoe, and are connected at their point of crossing by a pivot stud 10 which is secured to the pad plate. Each strap, at each side of the pivot 10, has a transversely elongated slot 11 which is engaged by a stud 12 secured in the pad 6. Each end portion of each strap is bent downwardly between the outer edge of the pad plate 6 and the inner side of the shoe, to the underside of the shoe, where it is bent outwardly and formed into an eye portion 13 having an aperture to receive the stud or shank of one of the calks. Secured to the heel portion of the plate by studs 14 which engage elongated slots 15 therein, are short-heel-clamping members 16 which may be turned into engagement with the heel portions of the shoe in the manner shown in Fig. 1 and thus more firmly hold and support the pad plate and pad.

The pad plate can be made to fit various sizes and shapes of shoes, and the adjustment which is provided by the pivoted arrangement of the securing straps, enables the pad to be adjusted to shoes of different sizes and shapes. By turning the heel-clamps 16 out of their engaging positions, and removing the toe and heel calks with a wrench, the pad can be easily and quickly removed without removing the shoe.

I do not wish to limit myself to the exact construction and arrangement of parts which I have shown and described, since various changes may be made in the details thereof without departing from the spirit and scope of my invention. Thus, the pad may be built up and constructed in other ways and of other materials; it may be secured to the pad plate in different ways, and the form of the securing straps and clamps may be changed, since

What I claim is:—

1. A hoof pad, comprising a pad support arranged to fit within the shoe, a pad or cushion carried thereby, crossed metal straps pivoted to the upper side of the pad plate, said straps having slots at opposite sides of their pivot, and the pad support having studs engaging said slots, the ends of the straps being bent downwardly and outwardly to form eyes, in combination with a horse shoe having removable calks whose shanks pass through said eyes and into the shoe, substantially as described.

2. A hoof pad, consisting of a pad plate arranged to fit within the shoe, a pad or cushion secured to said plate at its under side, and having a raised tread portion or cushion at the heel, and crossed metal straps pivoted to the upper side of the pad plate, said straps each having a slot at each side of its pivot, and the pad having studs engaging said slots, the ends of the straps being bent downwardly and outwardly to form eyes, substantially as described.

3. A hoof pad, consisting of a pad plate arranged to fit within the shoe, a pad or cushion secured to said plate at its under side, and having a raised tread portion or cushion at the heel, and crossed metal straps pivoted to the upper side of the pad plate, said straps each having a slot at each side of its pivot, and the pad having studs engaging said slots, the ends of the straps being bent downwardly and outwardly to form eyes, together with a horse shoe having removable calks whose shanks pass through said eyes and into the shoe, substantially as described.

4. A hoof pad, consisting of a pad plate arranged to fit within the shoe, a pad or cushion secured to said plate at its under side, and having a raised tread portion or cushion at the heel, and crossed metal straps pivoted to the upper side of the pad plate, said straps each having a slot at each side of its pivot, and the pad having studs engaging said slots, the ends of the straps being bent downwardly and outwardly to form eyes, together with a horse shoe having removable calks whose shanks pass through said eyes and into the shoe, and heel clamps pivotally secured to the pad and arranged to engage the heel portions of the shoe.

In testimony whereof, I have hereunto set my hand.

THOMAS F. FLAHERTY.

Witnesses:

S. M. ROBINSON,

WILLIAM M. WEYGANT.