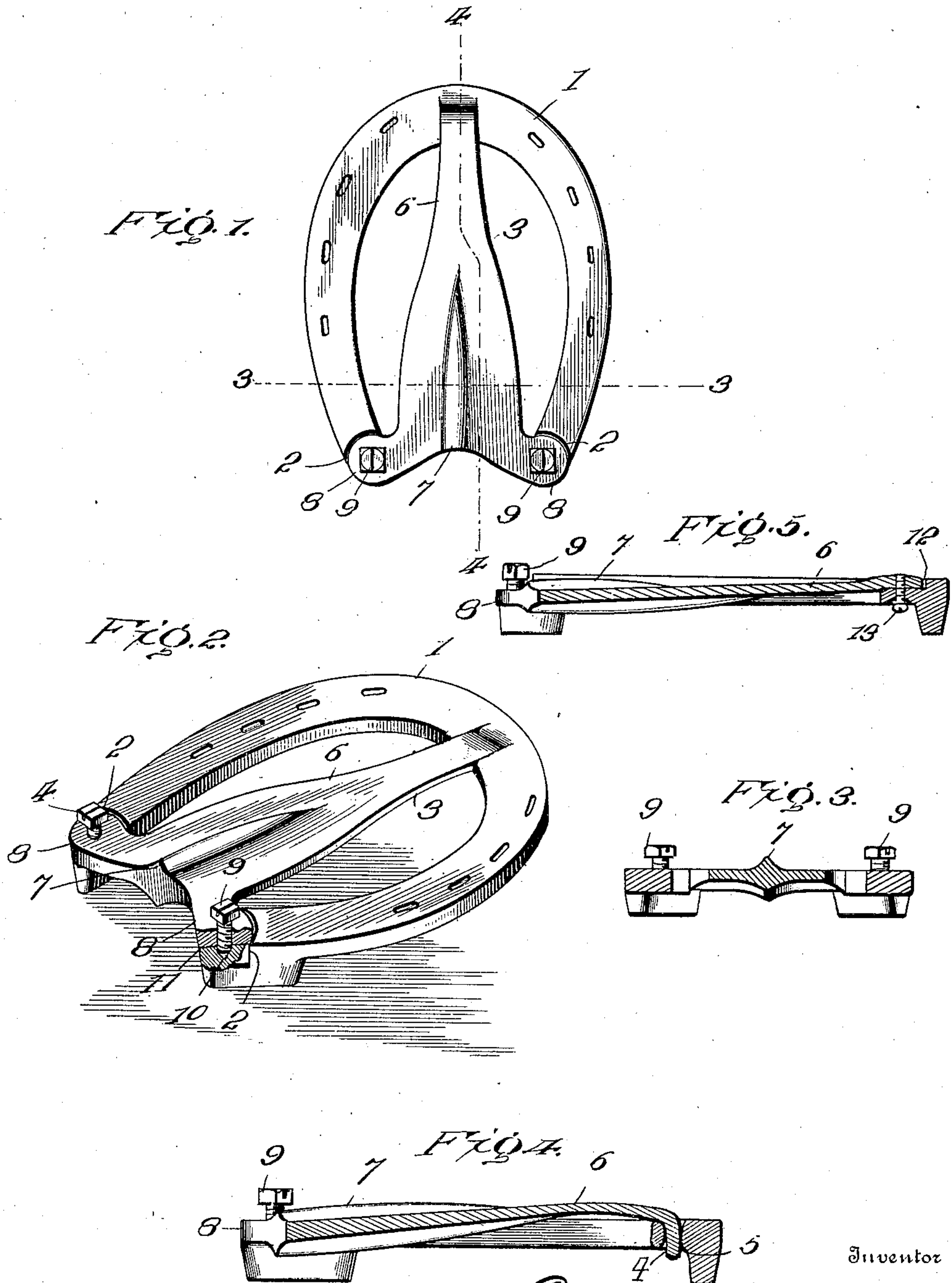


No. 828,495.

PATENTED AUG. 14, 1906.

C. O. MILLARD.
HORSESHOE.

APPLICATION FILED AUG. 24, 1905.



Witnesses

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HORSESHOE.

No. 828,495.

Specification of Letters Patent.

Patented Aug. 14, 1906.

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To all whom it may concern:

Be it known that I, CHARLES O. MILLARD, a citizen of the United States, residing at Bruce, in the county of Rusk and State of Wisconsin, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to horseshoes, and more particularly to a shoe having a frog-support, one of the objects being to provide a device of the character described having an adjustable frog-pan, whereby the frog may be supported in order that relief may be furnished in cases of contracted feet, flat feet, founders, or other ailments or diseases affecting the foot of a horse.

A further object is to provide a device of the character described that shall be simple and inexpensive in construction, durable and effective in operation, and whereby a frog-support may be removably secured to the shoe.

Other objects and advantages of my invention, as well as the structural features by means of which these objects are attained, will be made clear by an examination of the specification, taken in connection with the accompanying drawings, in which the same reference-numerals indicate corresponding portions throughout, and in which—

Figure 1 is a top plan view of a horseshoe, showing the frog-pan in operative position thereon. Fig. 2 is a perspective view with parts broken away. Fig. 3 is a cross-section on lines 3 3 of Fig. 1. Fig. 4 is a longitudinal section on lines 4 4 of Fig. 1, and Fig 5 is a longitudinal section showing a modified form of my invention.

1 designates a horseshoe of ordinary construction and form, with the exception that at the rear are kerfs 2, the purpose of which will hereinafter more fully appear.

3 designates a frog-pan which is made of any suitable material and provided at its forward end with a downwardly-projecting lug 4, passing through an opening 5 in the shoe, which opening is arranged, preferably, just back of the forward calk. The frog-pan 3 widens toward the rear and is curved slightly upward, as shown at 6, and also provided with the vertical projections 7 to make it con-

form as nearly as possible to the shape of the frog. At its rear end are the lateral projections 8, which are provided with set-screws 9. The lateral projections fit the kerfs 2 and rest therein, the set-screw passing through the lateral projection and resting in an indentation 10 in the shoulder 11.

In a modified form of my invention, which is shown in Fig. 5, instead of providing the forward end of the frog-pan with the downwardly-projecting lug 4, passing through an opening 5 in the shoe, the bottom end of said frog-pan at its forward end is made perfectly flat and rests in a kerf 12, cut in the shoe, and is held in place by a threaded screw 13, passing through the shoe and into a threaded opening in the forward end of the frog-pan. By this arrangement of parts the frog-pan can be removed from the shoe without removing the shoe from the horse's hoof.

It will be observed that by means of the set-screws the rear portion of the frog-pan may be raised or lowered, as desired, so that the pan may be brought into as close proximity to the frog as the weight of the horse will stand, and may be removed from or connected with the shoe, as desired.

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

1. The combination, with a horseshoe, of a frog-pan removably secured thereto at its forward end, and means for adjusting said pan at its rear end.

2. The combination, with a horseshoe, of a frog-pan comprising a curved plate removably connected at its front end with the shoe, and set-screws carried by the rear end of the pan and adapted to engage the shoe whereby the pan is adjusted and held in adjusted position.

3. The combination, with a horseshoe, of a frog-pan comprising a curved plate having a threaded opening in its front end whereby it is removably connected with the shoe, and set-screws carried by the rear of the pan and adapted to engage the shoe whereby the pan is adjusted and held in adjusted position.

4. The combination, with a horseshoe, of a frog-pan having its front end adapted to rest in a kerf in the front of said shoe, a screw passing through the shoe and engaging a threaded opening in the pan whereby said pan is held

in position, laterally-projecting lugs formed
integral with the rear end of the frog-pan and
adapted to rest in kerfs in the rear of the shoe,
and a set-screw passing through each lug
5 whereby the rear end of the frog-pan may be
raised or lowered and held in raised or lowered
position.

In testimony whereof I hereunto affix my
signature in presence of two witnesses.

CHARLES O. MILLARD.

Witnesses:

GLENN H. WILLIAMS,
GEO. LEVIA.