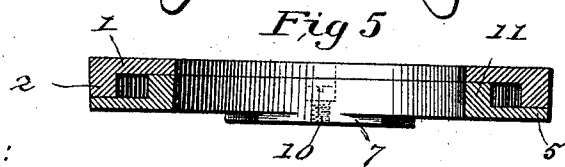
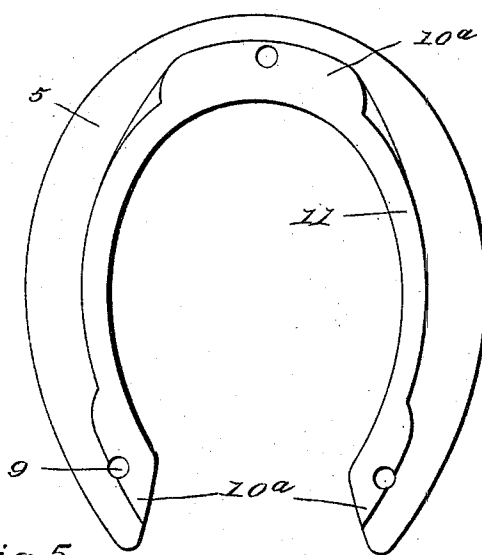
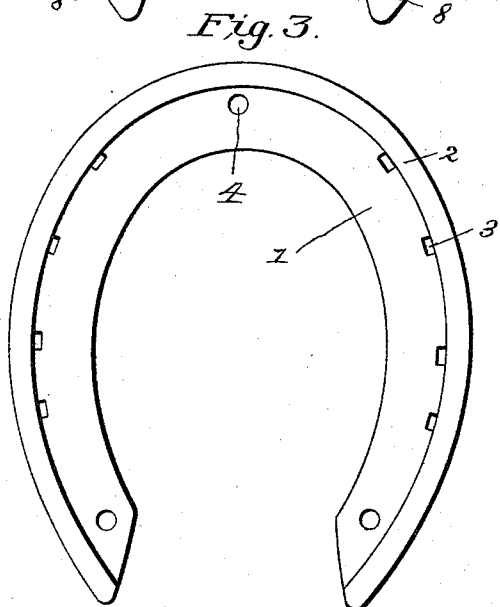
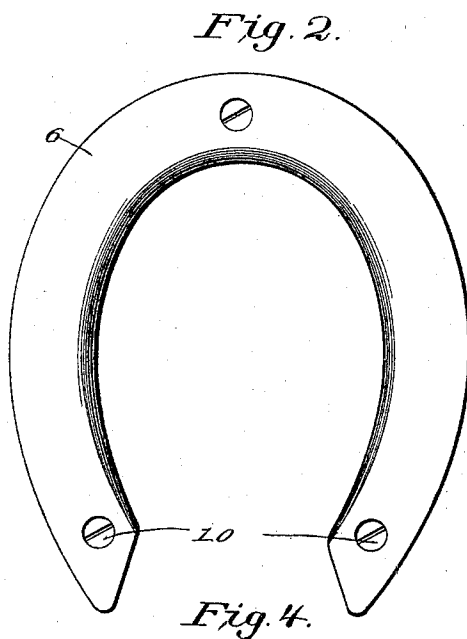
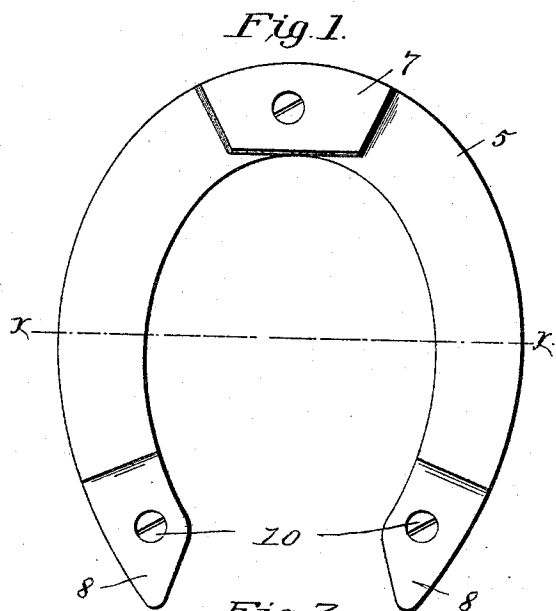


(No Model.)

J. LAROCHE.
HORSESHOE.

No. 537,466.

Patented Apr. 16, 1895.



Witnesses:

Thos. L. Gatch.
W. P. Wilson

Inventor.

Jermain Larocche.
by
John Wadsworth,
Attorney.

UNITED STATES PATENT OFFICE.

JERMAIN LAROCHE, OF NORTHUMBERLAND, NEW HAMPSHIRE.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 537,466, dated April 16, 1895.

Application filed November 1, 1893. Serial No. 489,773. (No model.)

To all whom it may concern:

Be it known that I, JERMAIN LAROCHE, of Northumberland, in the county of Coos and State of New Hampshire, have invented a new kind of a Trotting and Road Horseshoe; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to improvements in horse-shoes, having for its object to provide a horse-shoe which is adapted for trotting purposes, and which, by the insertion of an additional plate, is adapted for road or heavy trotting purposes.

The invention consists of a shoe of ordinary construction, except that the same is provided with a downwardly projecting flange extending around the lower surface thereof, with slots for the passage of the nails therethrough and a plate adapted to be placed upon the lower surface of said shoe, which converts the same into a road or heavy trotting shoe, at the same time protecting the said shoe from wear.

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

Figure 1, represents a view of the under side of a shoe with one of my plates attached thereto. Fig. 2 is a similar view of the same showing another form of plate. Fig. 3, is a similar view of the under side of the shoe proper. Fig. 4, is a view of the upper face of one of my protecting plates, and Fig. 5 is a section on the line $x-x$, of Fig. 1.

Like numerals represent like parts in the various views.

1, represents my shoe, which, as shown, is formed with a downwardly projecting flange 2, extending around the outer edge of the lower surface of said shoe. Just inside the flange 2 the said shoe is provided with a series of perforations or slots 3, through which the nails are passed for securing the shoe to the foot. The same is also provided with a series of perforations 4, which are threaded for the insertion of screws therein. This form of shoe is secured to the foot in the usual manner and the protecting flange prevents the horse from slipping on hard or muddy tracks and also protects the heads of the nails used in the shoe, preventing them from coming in

contact with any hard substance so that they cannot be broken or drawn from the horse's foot. It also strengthens the shoe and gives the horse a perfectly level bearing all around the foot, causing easy movement. This form of shoe is designed for use in trotting.

5 and 6, represent plates which I secure to the lower face of the trotting shoe just described when it is intended to use the horse for road purposes or for heavy trotting purposes. The plate 5 is made with toe calks 7 and with heel calks 8. In the said calks are threaded perforations 9, through which screws 10 are adapted to be passed and secured to the shoe 1 in the perforations 4. When this plate 5 is secured in place by the means described, the shoe is adapted for road purposes. The plate 6 is smooth upon its outer surface, but is provided with similar slots 9, registering with the slots 4 of shoe 1, and adapted to be secured in a manner similar to the plate 5. This makes a form of shoe which is especially designed for heavy trotting or road purposes. The upper face of the plates 5 and 6 are formed as shown in Fig. 4 with shoulders 10^a, which engage with the flange 2 of the shoe when the plate is in place and prevent slipping thereon. A narrow ridge 11, extends from the respective shoulders described, leaving a space between it and the outer edge of the plate in which the heads of the nails are adapted to rest.

From the foregoing description, it is apparent that I have devised an improved trotting shoe which is convertible into a light or heavy road shoe or a heavy trotting shoe by the mere attachment of calk or wearing plates thereto, by means of screws in the ordinary manner.

The invention is simple in construction and very effective in operation and is thought to be an improvement on anything that has preceded it.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination with a horseshoe adapted to be used for trotting horses, having a depending flange on its under surface extending around the outer edge thereof, and pro-

vided with slots for the passage of securing
nails therethrough, which slots are located in
juxtaposition to said flange and are normally
protected thereby, of a plate for converting
5 said shoe into a road shoe, secured thereto by
means of screws, and having shoulders on its
upper face, which fit against the inner surface

of said flange and entirely cover the nail slots
in said shoe, substantially as and for the pur-
pose specified.

JERRY LAROCHE.

Witnesses:

EDMUND SULLIVAN,
CHAS. T. McNALLY.