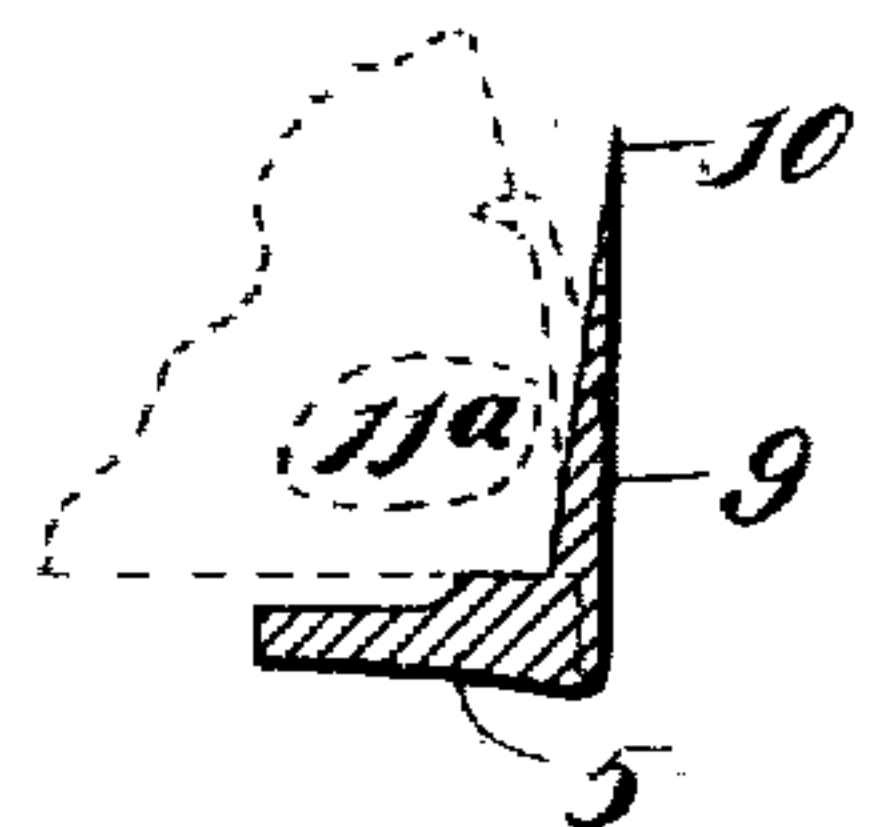
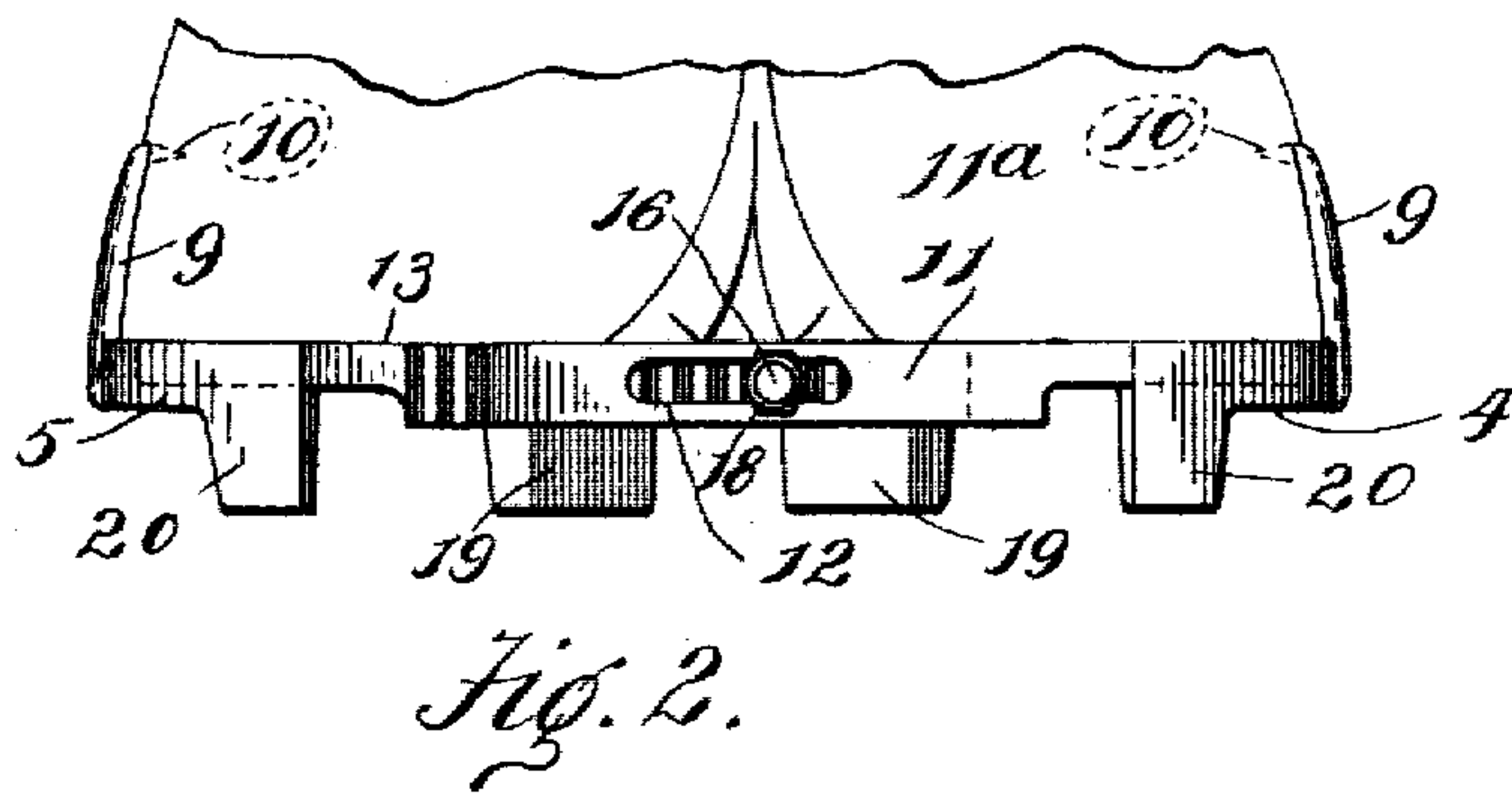
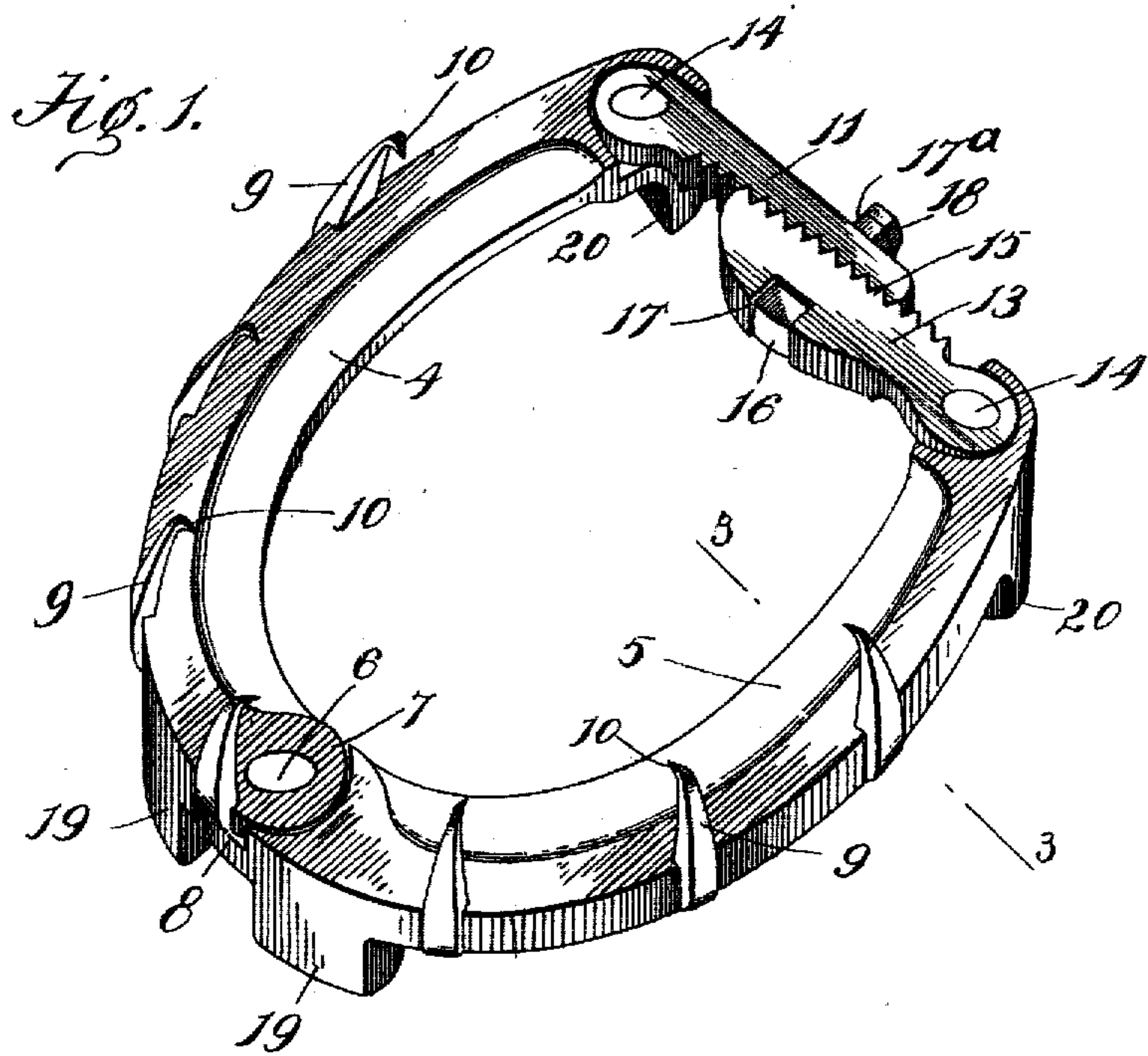


No. 814,184.

PATENTED MAR. 6, 1906.

L. N. BEAUCHEMIN.
NAILLESS HORSESHOE.
APPLICATION FILED JUNE 1, 1905.



Witnesses:

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UNITED STATES PATENT OFFICE.

LOUIS NAPOLEON BEAUCHEMIN, OF MONTREAL, CANADA, ASSIGNOR OF
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NAILLESS HORSESHOE.

No. 814,184.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed June 1, 1905. Serial No. 263,271.

To all whom it may concern:

Be it known that I, LOUIS NAPOLEON BEAUCHEMIN, a subject of the King of Great Britain, residing in the city and district of Montreal, Province of Quebec, Canada, have invented certain new and useful Improvements in Nailless Horseshoes; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in what are commonly known as "nailless" horseshoes—that is, horseshoes which are adapted to be secured upon the feet of horses without driving nails through the shoes and into the horny portion of the foot; and it consists in certain features of novelty in the detail construction and arrangement thereof, all as hereinafter more fully described, and specifically pointed out in the claims.

The object of the invention is to provide a shoe of the character described comprising two pivotally-connected side plates to which locking means are connected, whereby the shoe may be adjusted to fit feet of different widths and be firmly locked thereupon.

Referring to the annexed drawings, in which similar numerals of reference indicate corresponding parts in all the views, Figure 1 is a perspective view of a horseshoe as invented by me. Fig. 2 is a rear elevational view of the same, showing it attached to a portion of a hoof; and Fig. 3 is a transverse sectional view taken on line 3-3 of Fig. 1, showing an attaching-spur in full lines and also in dotted lines bent to connect it with a hoof portion, also shown in dotted lines.

Referring to the parts, 4 and 5 are the pivotally-connected side plates of the shoe, which are united by means of the pivot 6, projecting through perforations in the toe extensions 7 and 8, integral, respectively, with the side plates 4 and 5.

Projecting upwardly from the plates 4 and 5 are spurs 9, which are preferably formed as shown in the sectional view, Fig. 3, in the first instance, but which are adapted to be bent at their upper ends to form attaching or securing points 10, by means of which they

are held in engagement with the hoof 11^a of a horse.

Pivotally connected with the rear portion of the plate 4 is a bar 11, which is slotted longitudinally at 12, while a corresponding bar 13 is pivotally connected with the rear or heel portion of the side plate 5, the said bars 11 and 13 being supported upon pintles 14, having upset heads outside of the bars 11 and 13 to prevent accidental removal of said bars, while the inner portion of said pintles 14 are shrunk into position within corresponding perforations in the heel portion of the side plates 4 and 5.

The bars 11 and 13 are provided with serrations 15 upon the contiguous faces thereof, which serrations are adapted to interlock when the shoe is in position upon the horse and be held in engagement by means of the bolt 16, projected through the slot 12 and seated in a recess 17 in the bar 13, while a nut 17^a and jam-nut 18 are provided on the outer screw-threaded portion of said nut 16 to secure the same in position.

As illustrated in the annexed drawings, toe-calks 19 and heel-calks 20 are formed upon the side plates 4 and 5; but it will be evident that such toe-calks and heel-calks are not necessary, and the plates 4 and 5 may be formed without such members, if desired, and a smooth or flat shoe may be equipped with the invention, if desired.

In operation the shoe is formed with the spurs 9, and the locking-bars 11 and 13 are secured thereupon, after which the shoe is placed in position in engagement with the horse's hoof by bending in the points 10 so that they will engage with the horn of the foot, after which the members 11 and 13 are united by means of the bolt 16 referred to, whereby the shoe is firmly locked in position upon the horse's foot, from which it may be removed only by removing the nuts 17^a and 18 and withdrawing the bolt 16, so as to separate the serrations 15 of said locking-bars 11 and 13.

While I have shown in the accompanying drawings the preferred form of my invention, it will be understood that I do not limit myself to the precise form shown, for many of the details may be changed in form or position without affecting the operativeness or

utility of my invention, and I therefore reserve the right to make all such modifications as are included within the scope of the following claims or of mechanical equivalents to the structures set forth.

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

1. In a device of the character described, a pair of plates, a pivot securing one end of the plates together, a bar pivoted to the free end of one of the plates and provided with serrations on one side and provided with an opening therethrough, a bar pivoted to the free end of the other plate and provided with serrations on one side, provided with a recess on its opposite side and provided with an opening therethrough, a bolt disposed through said openings with its head in said recess, and a nut on the bolt, said recess being adapted to lock said bolt against rotation.

2. In a device of the character described, a pair of plates provided with straight spurs adapted to be turned inward, a pivot securing one end of the plates together, a bar pivoted to the free end of one of the plates and provided with serrations on one side and provided with an opening therethrough, a bar pivoted to the free end of the other plate and provided with serrations on one side, provided with a recess on its opposite side and provided with an opening therethrough, a bolt disposed through said openings with its head in said recess, and a nut on the bolt, said recess being adapted to lock said bolt against rotation.

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

LOUIS NAPOLEON BEAUCHEMIN.

Witnesses:

T. MYNARD,
M. McALEER.