

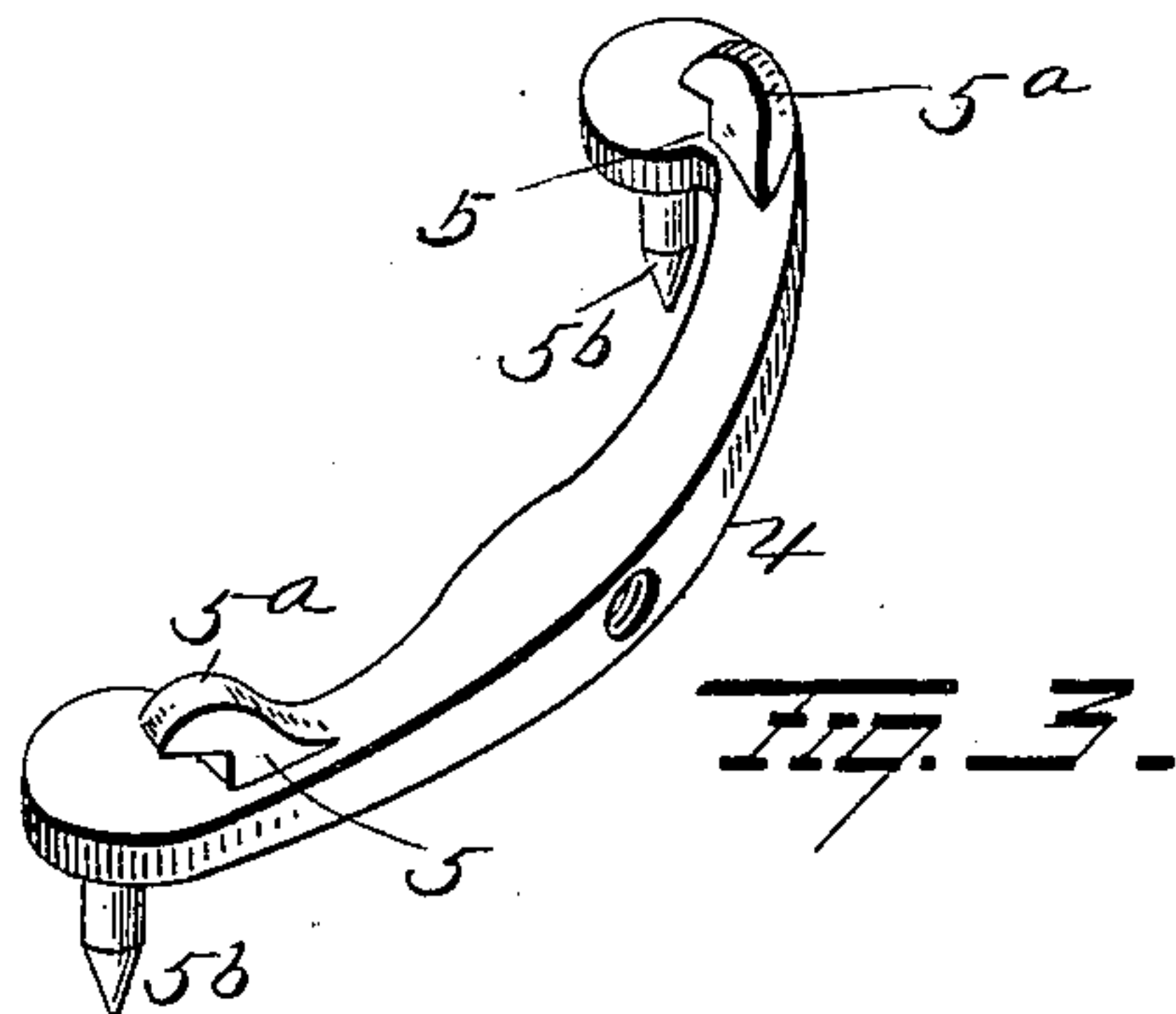
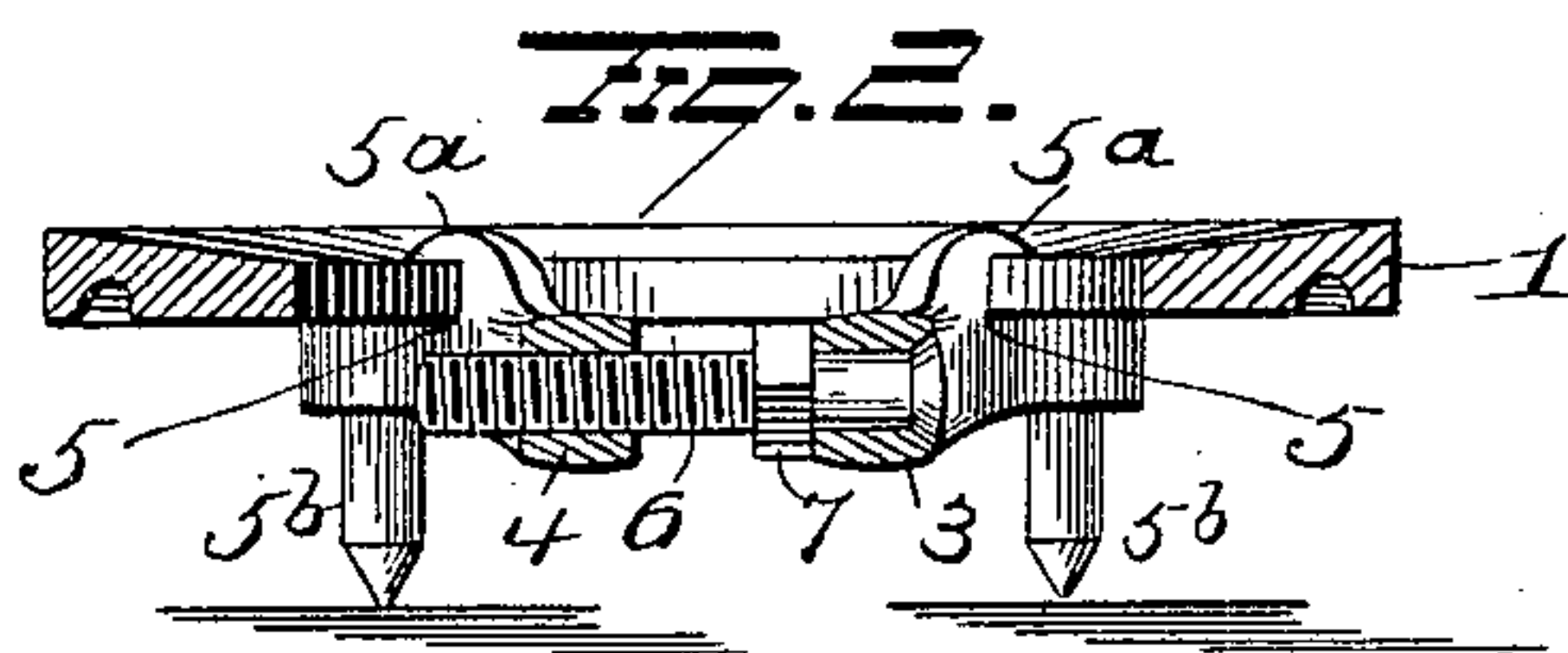
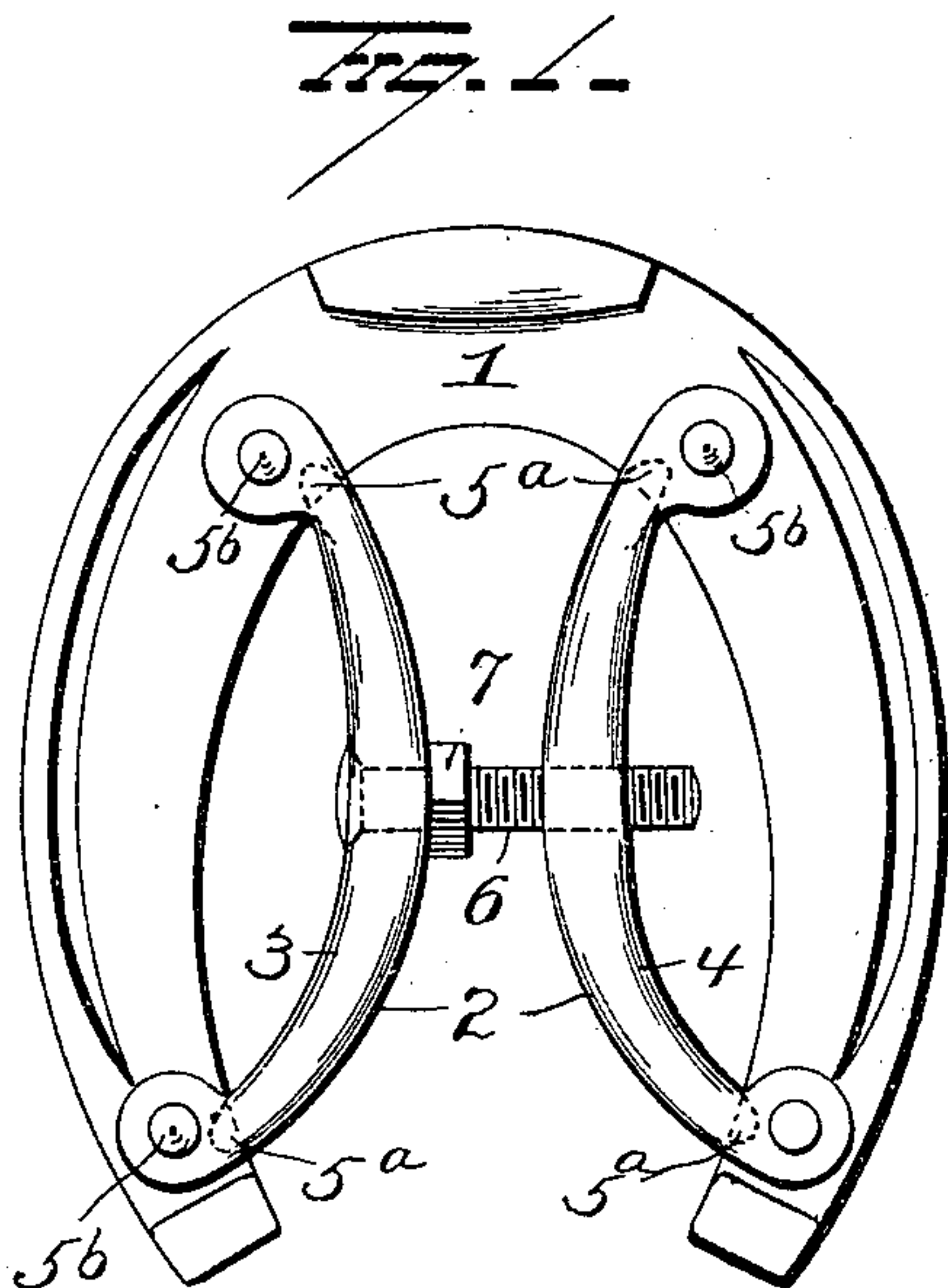
No. 674,488.

Patented May 21, 1901.

P. WAGNER.
ATTACHMENT FOR HORSESHOES.

(Application filed July 23, 1900.)

(No Model.)



WITNESSES

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ATTACHMENT FOR HORSESHOES.

SPECIFICATION forming part of Letters Patent No. 674,488, dated May 21, 1901.

Application filed July 23, 1900. Serial No. 24,563. (No model.)

To all whom it may concern:

Be it known that I, PAUL WAGNER, a resident of Williamsport, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Attachments for Horseshoes; and I do hereby declare the following to be 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.

My invention relates to an improved removable attachment for horseshoes, the object of the invention being to provide an improved device which can be easily and quickly attached to a horseshoe without removing the same from the animal's foot and which when in place will effectually prevent slipping on ice, frozen ground, or other slippery surfaces.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view illustrating my improvements, and Figs. 2 and 3 are detail views.

1 represents a horseshoe of ordinary construction, and 2 my improved attachment secured thereto, which latter comprises two members 3 and 4, adapted to be disposed lengthwise of the shoe and bowed inward, so as to approximate each other at or near the center of the shoe. Each member 3 4 is provided at its respective ends with lugs 5, having lips 5^a thereon to fit over the upper face of the shoe 1 to prevent vertical movement of said members 3 and 4, and sharpened calks 5^b are provided at the ends of the respective members, on their lower faces, to prevent slipping, and as the calks are disposed beneath the shoe the latter will support the entire weight of the animal and not subject the members 3 and 4 to any material strain.

The members 3 and 4 are provided centrally between their ends with aligned holes, the hole in member 4 being threaded to receive the threaded portion of a bolt 6, which latter is made without threads at its end which is supported in the member 3 and upset at its end to prevent its escape therefrom, and an angular enlargement 7 is provided on the bolt 6, between members 3 and 4, for the recep-

tion of a wrench to turn the bolt and move the members 3 and 4 apart to force the lugs 5 against the inner edge of the shoe 1 and the lips 5^a above the upper face of the shoe and secure the members 3 and 4 in place, or when the enlargement 7 is turned in the reverse direction the members 3 and 4 will be drawn toward each other to free the lips 5^a from the shoe and permit the ready removal of my improved attachment.

It will be seen that my improvements can be quickly attached to a shoe or removed therefrom by any one of ordinary intelligence and when in position will effectually prevent slipping of the horse's foot, and it will also be seen that the weight of the attachment will be evenly distributed, with the major portion of said weight in the center of the shoe.

Various slight changes might be resorted to in the general form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I would have it understood that I do not wish to limit myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. In an attachment for horseshoes, the combination of two members constructed at their ends to engage the shoe and each member provided at both ends with calks, a screw having a plain end permanently and revolvably connected with one member, means for preventing longitudinal movement of said screw with respect to said member, the threaded portion of said screw passing through a threaded hole in the other member, whereby said members are permanently and adjustably connected together.

2. In an attachment for horseshoes, the combination of two members to be disposed longitudinally of the shoe, said members bowed toward each other so as to have their points of nearest approach in the center of the shoe, each member having bearings at its respective ends to rest against the bottom of the shoe, calks depending from said bearings, lugs at the ends of said members and having

lips to engage the top face of the shoe, a screw
having a plain portion passing freely through
a hole in the center of one member and up-
set at its free end, a fixed angular enlarge-
5 ment on said screw bearing against the inner
face of said member, the threaded portion of
said screw passing through a transverse
threaded hole in the center of the other mem-
ber whereby said screw will be disposed trans-
10 versely in the center of the shoe when the

bowed members are attached thereto, and
hold said bowed members fixed without the
use of detachable or adjustable nuts.

In testimony whereof I have signed this
specification in the presence of two subscrib- 15
ing witnesses.

PAUL WAGNER.

Witnesses:

F. H. KELLER,
A. W. LIEB.