

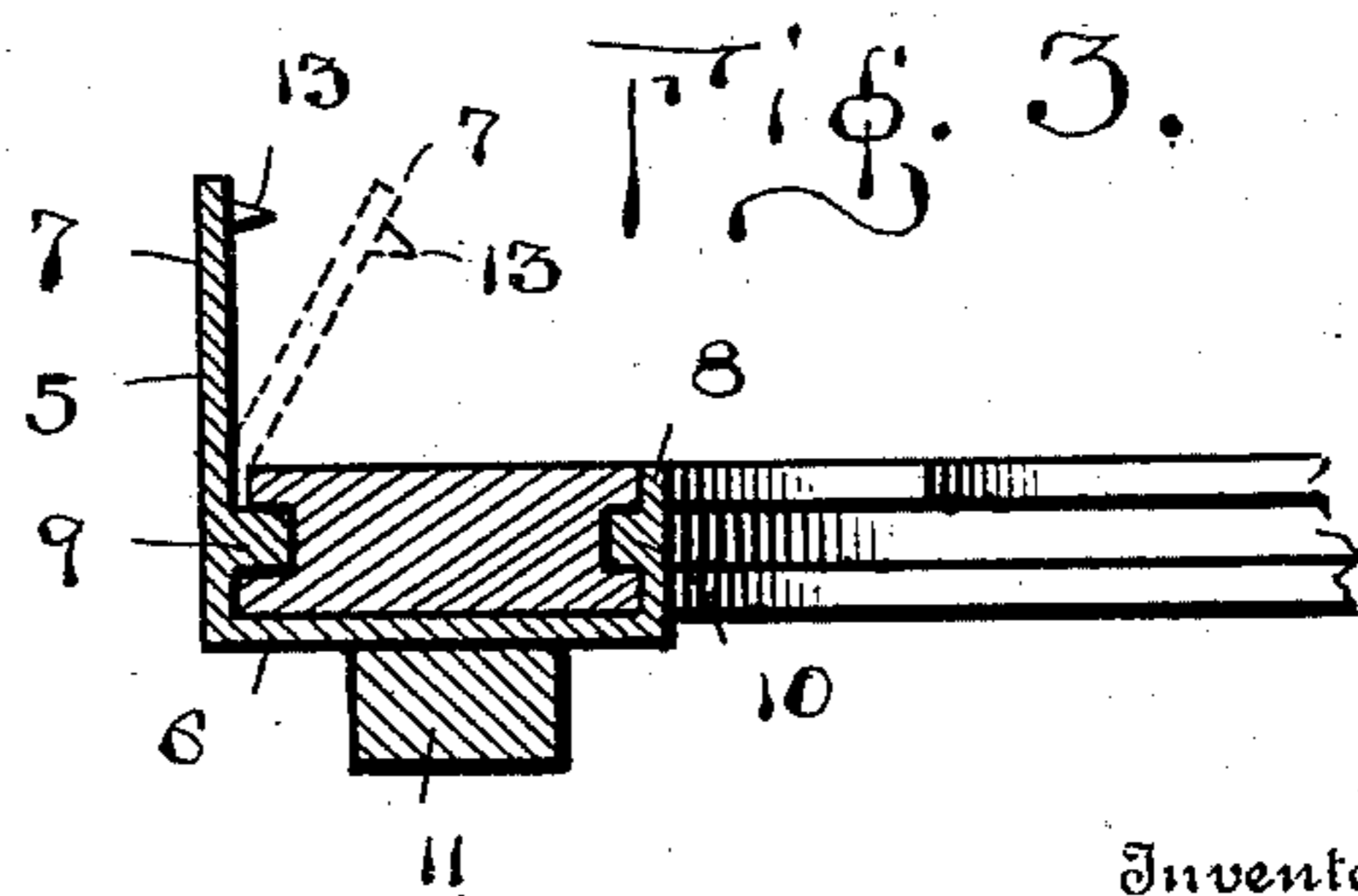
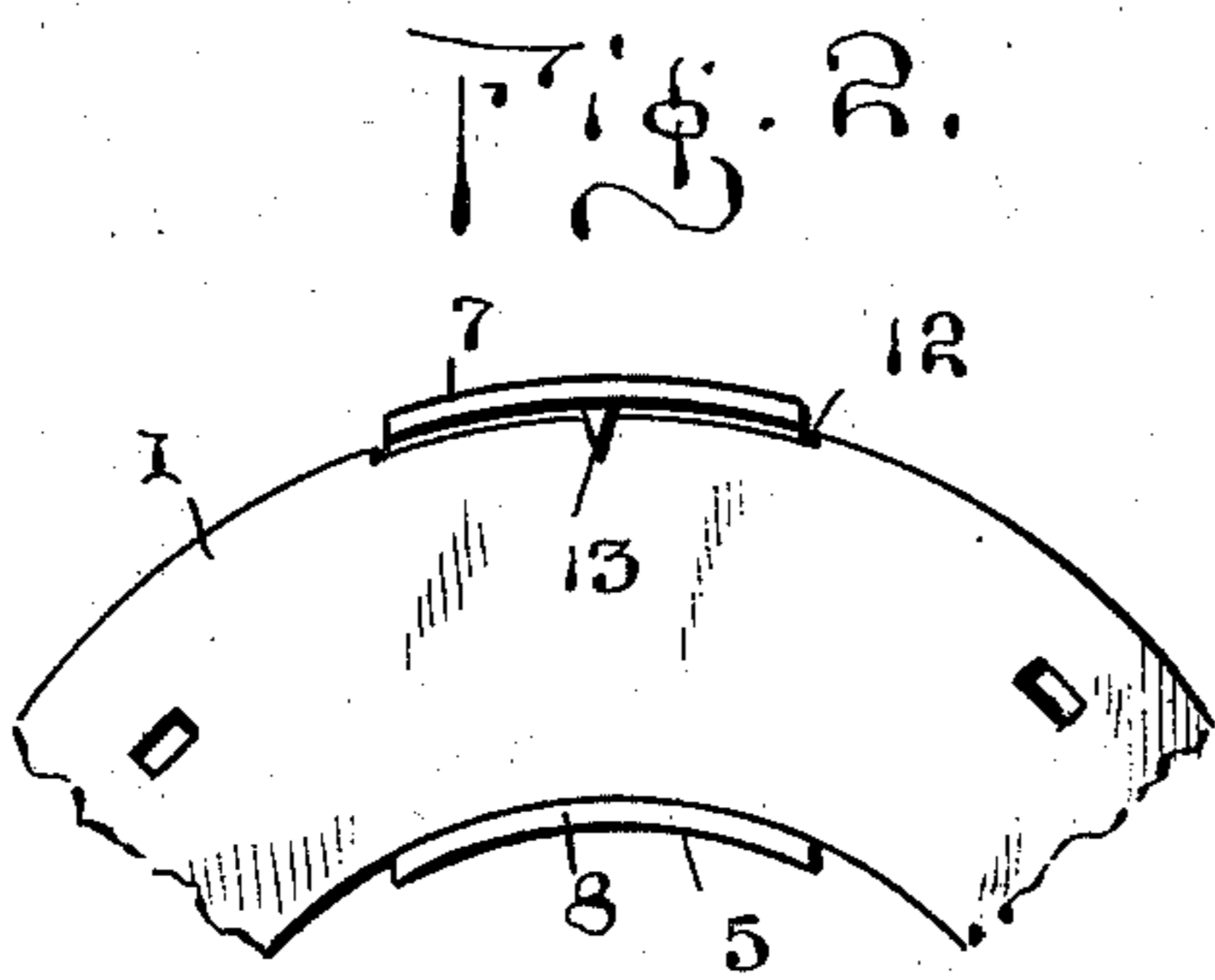
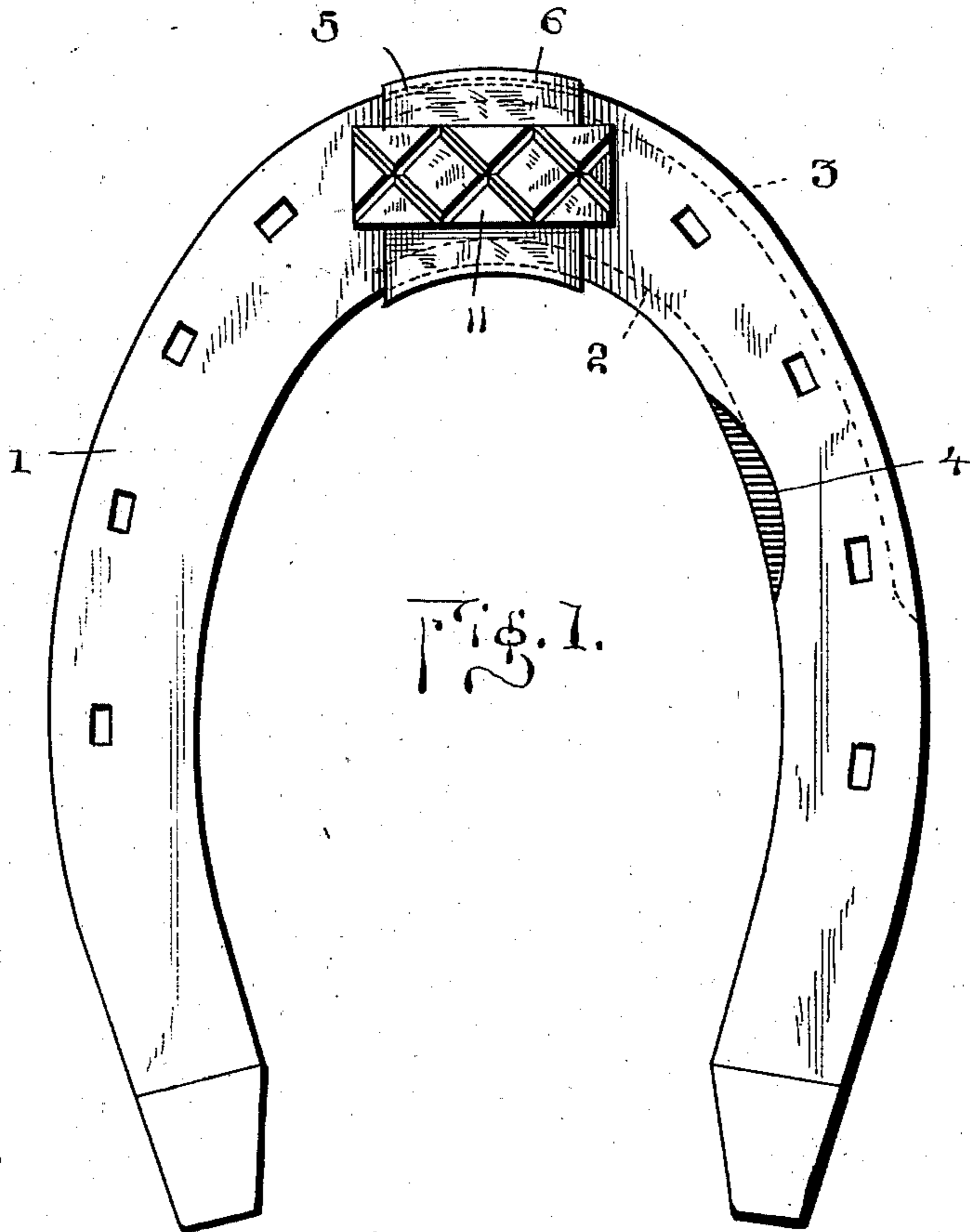
No. 702,296.

Patented June 10, 1902.

E. B. FISK.
HORSESHOE.

(Application filed Nov. 9, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

EUGENE B. FISK, OF WEST NASHVILLE, TENNESSEE.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 702,296, dated June 10, 1902.

Application filed November 9, 1901. Serial No. 81,728. (No model.)

To all whom it may concern:

Be it known that I, EUGENE B. FISK, a citizen of the United States, residing at West Nashville, (R. R. No. 4,) in the county of Davidson and State of Tennessee, have invented new and useful Improvements in Horseshoes, of which the following is a specification.

My invention relates to improvements in horseshoes; and its object is to construct a shoe and calk which will be cheap and durable and which can be readily attached to and detached from a shoe without necessitating the removal of the same from the horse's hoof.

A further object is to provide the calk with a detachable wearing-plate which may be readily replaced when worn, thereby obviating the necessity of providing a new calk, as would be necessary if the wearing portion were not detachable.

With these objects in view my invention consists of the novel construction of parts and their combination and arrangement, as will be fully specified hereinafter and particularly pointed out and distinctly claimed.

In the accompanying drawings, forming a part of this specification and which fully illustrate my invention, Figure 1 is a bottom plan view of a horseshoe constructed in accordance with my invention. Fig. 2 is a top plan view of a portion of the toe, showing the calk in place; and Fig. 3 is a sectional view thereof.

Referring to the drawings, 1 designates a horseshoe of a well-known form.

2 and 3 designate grooves in the inner and outer edges of the shoe, respectively, beginning at a suitable distance from the center of the toe portion thereof and terminating at a point a little in advance of the heel. Communicating with the groove 2 and the under side of the shoe is a cut-out portion 4, the purpose of which will be readily understood as the nature of the invention is more fully disclosed.

5 designates a removable calk having a base 6 and front and rear flanges 7 and 8, which are curved to conform to the contour of the toe portion of the shoe 1, against which they lodge or engage. Upon the flanges 7 and 8 and at a suitable distance above the base 6 are tongues or ribs 9 and 10, respectively,

which are adapted to seat and ride within the grooves 2 and 3.

11 designates the wearing-plate of the calk, which is secured to the base 6 in a manner which will permit of its removal to be replaced by a new one when found advantageous—as, for instance, when it has become useless by wear. The said wearing-plate has its face roughened or corrugated in order that the horse may obtain a firm footing, thereby obviating any liability of his slipping.

The front flange 7 extends above the top of the shoe and is forced into a recess or cut-out portion 12 in the front and at the top of the toe portion of the shoe 1 and is provided with a tang or prong 13 to be driven into the horse's hoof. It will be readily seen that when the flange 7 is forced into the recess or cut-out portion 12 and the tang or prong 13 driven into the horse's hoof the calk is doubly secured against displacement.

The upper edge of the rear flange 8 is made flush with the upper surface of the shoe, thereby avoiding any obstruction in attaching or detaching the calk or in placing the shoe upon the hoof of the animal.

In order to secure the calk upon the shoe, the tongues 9 and 10 are inserted into the grooves 2 and 3, which is accomplished by bringing the calk so that the tongue 10 will register with the cut-out portion 4 and then sliding the calk in the grooves until it reaches the end wall thereof. The flange 7 is then forced into the recess or cut-out portion 12 and the tang or prong 13 driven into the horse's hoof, thus firmly securing the calk in position.

It will be apparent that by the construction above described I provide effective means for firmly securing the calk to the shoe and for applying and detaching the calk without necessitating the removal of the shoe from the hoof, and also for permitting of the ready removal of the wearing-plate of the calk when necessary without removing the calk from the shoe.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing the

advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

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

1. A horseshoe formed with grooves in its inner and outer edges, beginning at a point near the center of the toe portion and terminating in advance of the heel, a calk having a base and vertical flanges secured thereto, tongues carried by said flanges and adapted to fit within said grooves, whereby the calk is secured to the shoe, and means for securing the calk against displacement.

2. A horseshoe formed with grooves in its inner and outer edges beginning at a point near the center of the toe portion and terminating in advance of the heel, a cut-out portion communicating with the groove in the inner face and the under side of the shoe, a recess in the front and at the top of the toe portion, a calk having a base and vertical

flanges at opposite ends thereof, tongues secured to the flanges to engage in the grooves, the front flange being extended vertically adapted to fit in said recess and formed with a prong adapted to be driven into the hoof of the animal.

3. As a new article of manufacture, a calk for a horseshoe, consisting of a base-plate having the calk fixed to the underside thereof, a vertical flange at the inner end of the base formed with a rib or tongue across its inner face, and a vertical flange at the outer end of the base formed with a rib across its inner face, and an upward extension formed with a prong, substantially as and for the purpose specified.

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

EUGENE B. FISK.

Witnesses:

R. H. FIGUE,

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