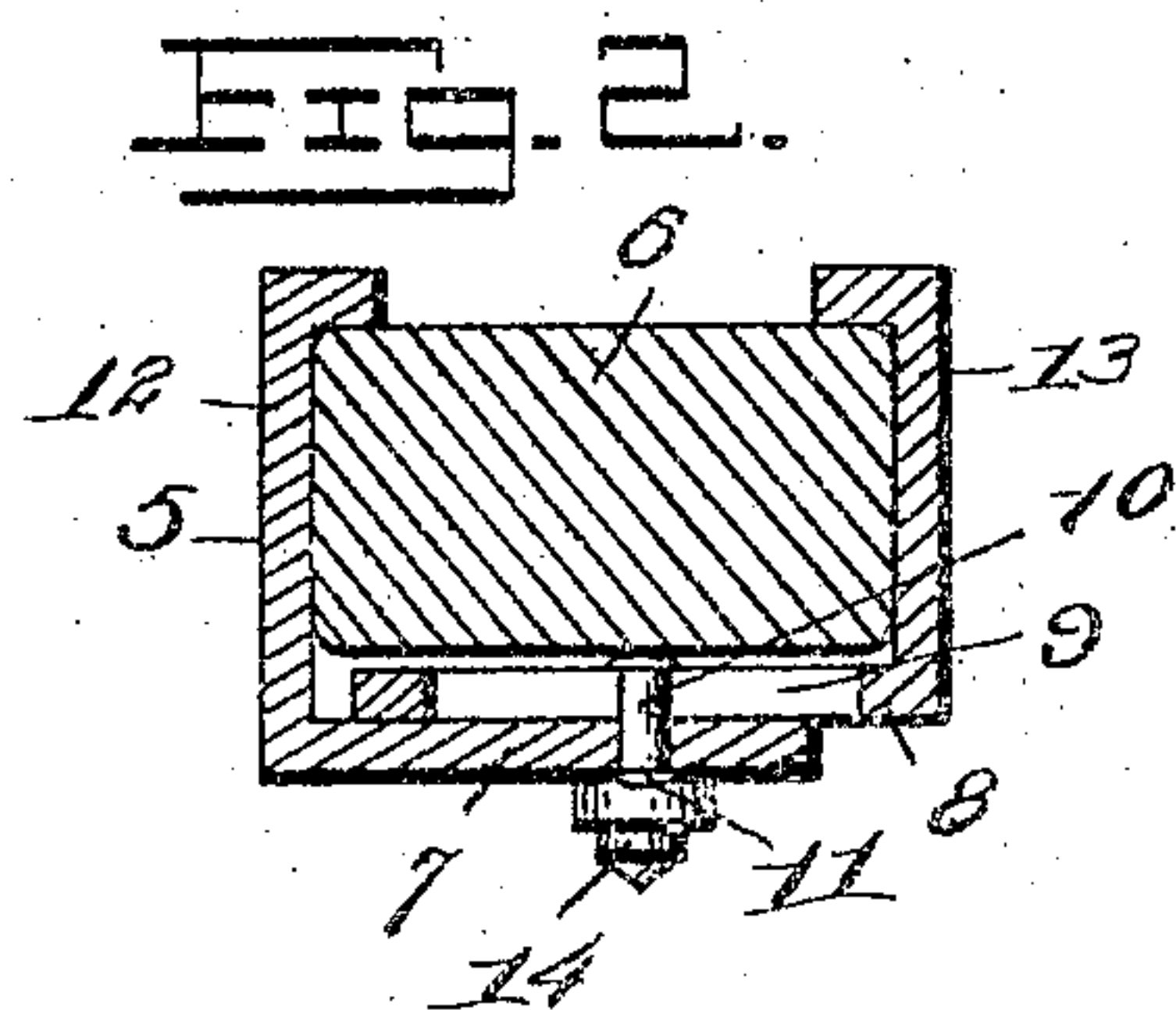
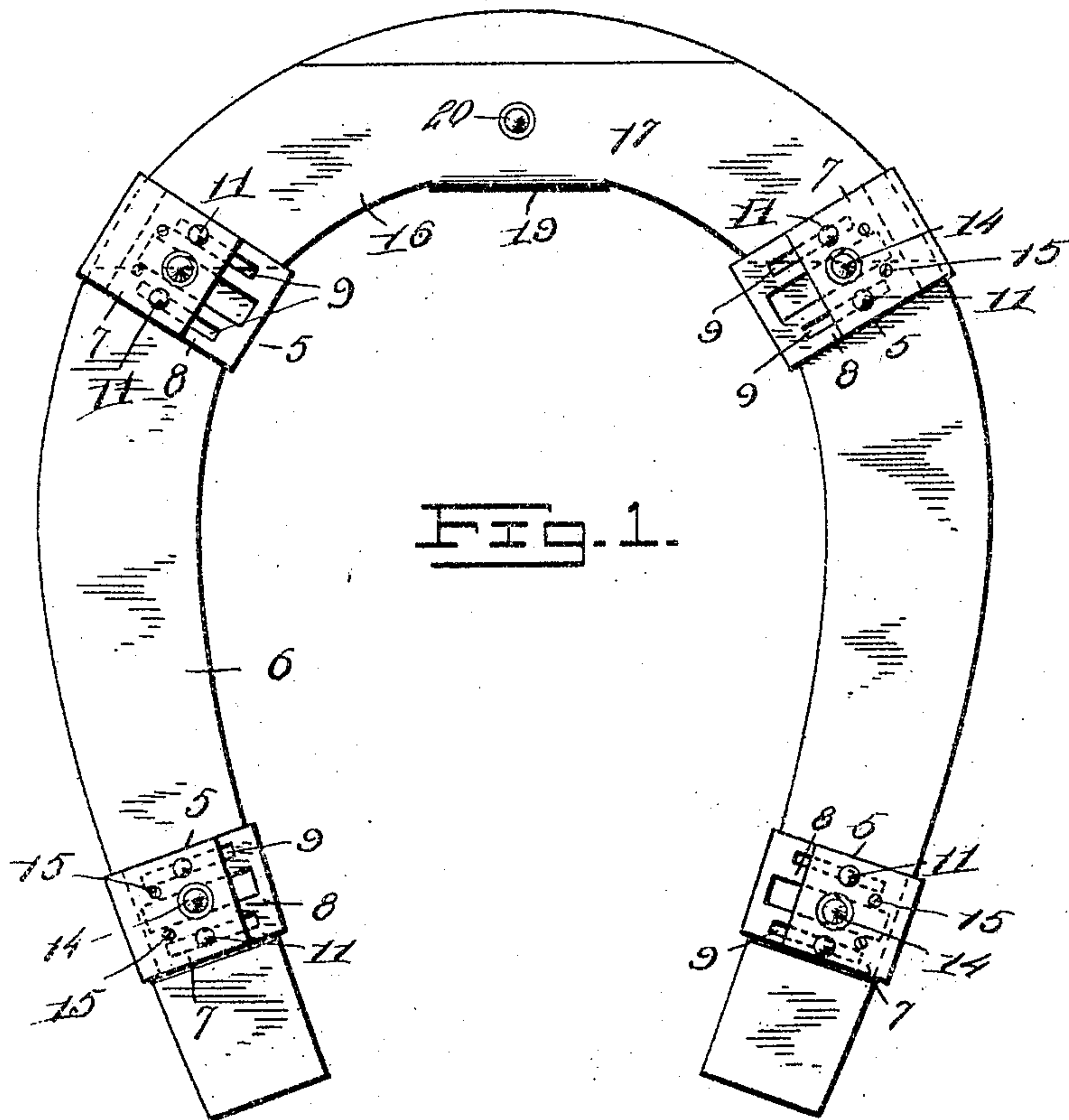


No. 796,556.

PATENTED AUG. 8, 1905.

I. A. BLEAM.
HORSESHOE CALK.
APPLICATION FILED APR. 20, 1905.

2 SHEETS—SHEET 1.



Witnesses
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2 SHEETS—SHEET 2.

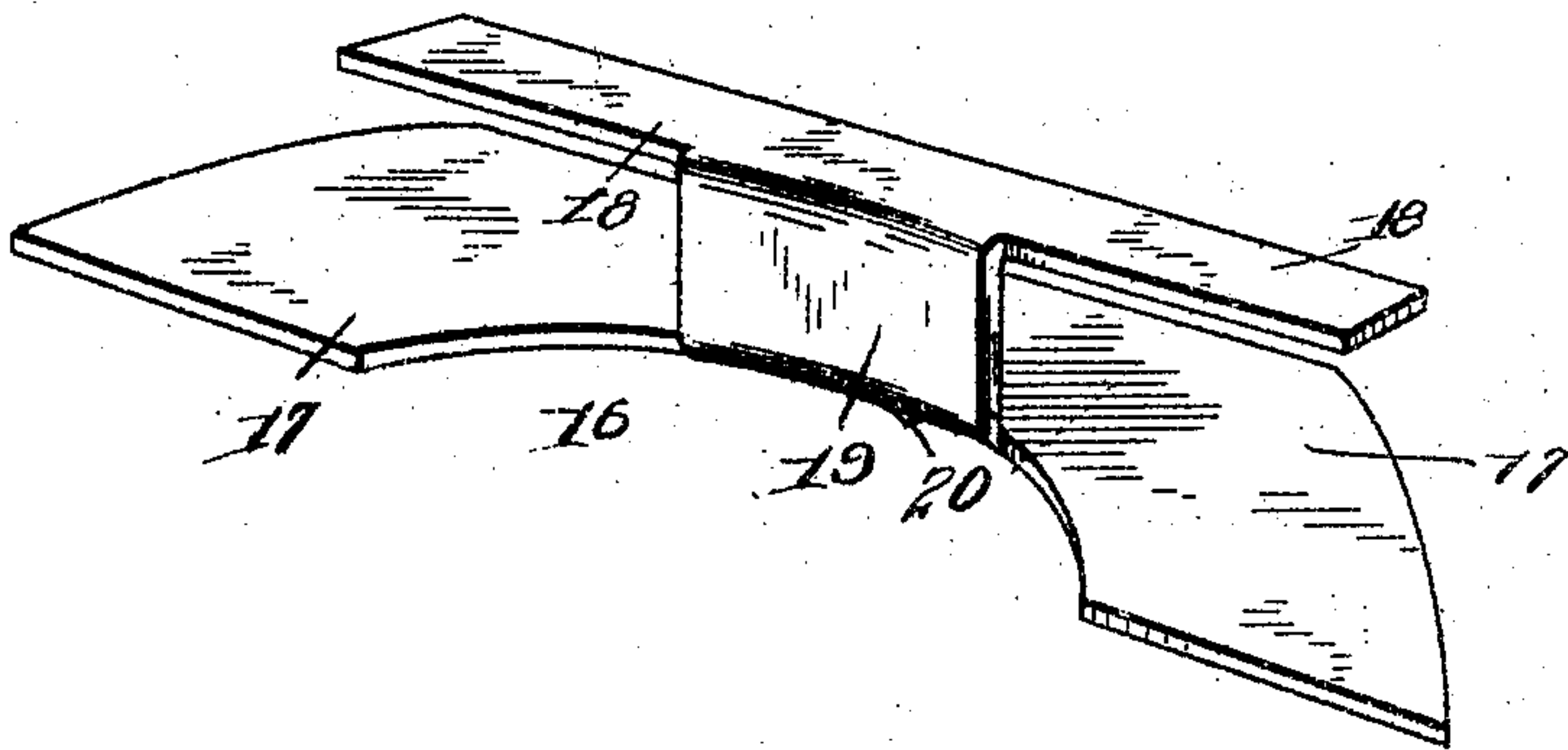


FIG. 2.

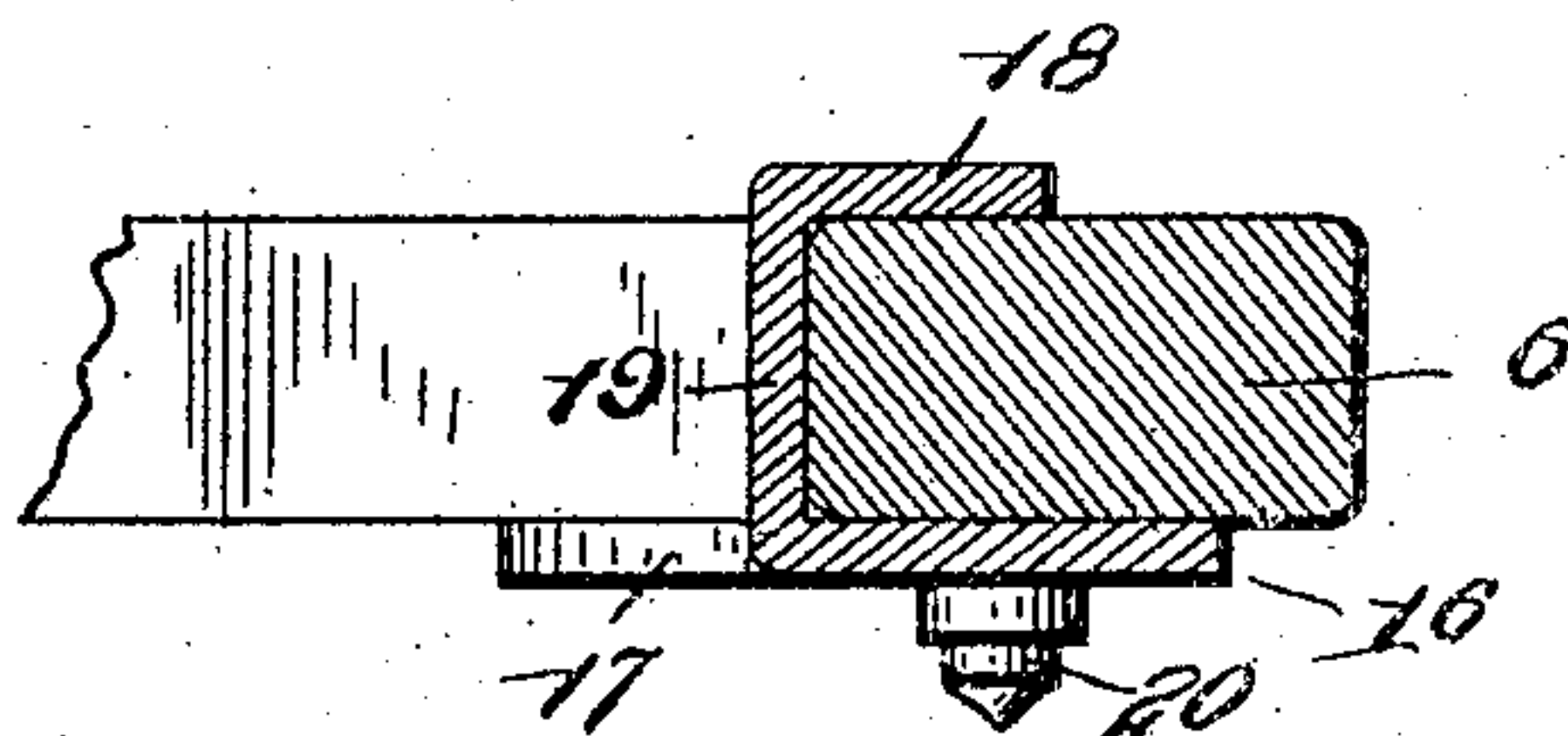


FIG. 4.

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UNITED STATES PATENT OFFICE.

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HORSESHOE-CALK.

No. 796,556.

Specification of Letters Patent.

Patented Aug. 8, 1905.

Application filed April 20, 1905. Serial No. 256,587.

To all whom it may concern:

Be it known that I, IDA A. BLEAM, a citizen of the United States, residing at Richland Center, in the county of Bucks, State of Pennsylvania, have invented certain new and useful Improvements in Horseshoe-Calks; 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.

This invention relates to horseshoes, and more particularly to calks therefor, and has for its object to provide a removable calk which may be attached to different shoes interchangeably.

Another object is to provide a calk of this kind which will be adjustable and which may be manufactured at a low figure.

Another object is to provide means for attaching a calk to the forward portion of a shoe and for strengthening this portion of the shoe.

Other objects and advantages will be apparent from the following description, and it will be understood that changes may be made in the specific construction shown and described within the scope of the claims and that any suitable materials may be used without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a bottom plan view of a shoe provided with the present invention. Fig. 2 is a section taken transversely of the shoe and longitudinally of one of the attaching devices. Fig. 3 is a perspective view of the toe-plate. Fig. 4 is a sectional view of the toe portion of the shoe and the toe-plate engaged therewith.

Referring now to the drawings, the present invention comprises an attaching device 5, a plurality of which are shown engaged with a horseshoe 6 in Fig. 1. These attaching devices each comprise a bottom plate 7 and a plate 8 disposed against the upper face thereof. The upper plate is provided with parallel longitudinal slots 9 adjacent to its side edges, and these slots receive the stems 10 of rivets 11 slidably therewithin, the rivets being engaged fixedly in the bottom plate, this arrangement permitting of longitudinal movement of the plates with respect to each other, but preventing lateral movement thereof. The outer ends of both plates are turned upwardly and inwardly to form cooperating

jaws 12 and 13, respectively, and when the device is engaged with a horseshoe these jaws are engaged therewith, as shown in the drawings. The bottom plate 7 carries a downwardly-extending calk 14, which is thus arranged to prevent slipping of the shoe, to which the device is attached. A set-screw 15 is engaged in the plate 7 and is adapted for operation to impinge against the plate 8 to prevent sliding movement of the plates.

A toe-plate 16 is provided, which consists of parallel portions 17 and 18, the former being somewhat broader than the latter, which are connected by a reduced portion 19, extending at right angles to the parallel portions. This toe-plate is formed from a metallic blank, bent into the form described, and is disposed with its portion 18 above and its portion 17 below the toe portion of the shoe, the reduced connecting portion 19 lying inwardly of the toe portion of the shoe. The portion 17 carries a downwardly-extending calk 20, and the toe-plate is held in position by two of the attaching devices 5, which are engaged with the forward portion of the shoe and also inclose the end portions of the lower portion 17 of the toe-plate.

What is claimed is—

1. The combination with a horseshoe, of a plate disposed thereagainst, a calk carried by the plate, an attaching device engaged with the horseshoe and with the plate, said device comprising plates disposed one upon the other, one of said plates being slotted, rivets secured to the unslotted plate and slidably engaged in the slots, a calk carried by one of the plates and means for holding the plates at different points of their movement with respect to each other, said plates having angular portions engaged with the shoe at opposite points thereof.

2. The combination with a horseshoe, of a plate disposed against the end face thereof, a downwardly-projecting calk carried by the plate and an attaching device engaged with the plate and with the shoe, said device comprising upper and lower slidably-connected plates, said upper plate having a longitudinal slot therein, a stem engaged in the slot and having a head projecting beyond the sides of the slot above the upper plate, said stem being engaged in the lower plate, a calk carried by the lower plate and set-screws engaged in the lower plate and adapted for operation to impinge against the upper plates to hold the plates against movement, said slidably-con-

nected plates having angular portions engaged with the shoe at opposite sides thereof.

3. The combination with a horseshoe, of a plate bent to form parallel portions and a connecting portion disposed with one of its parallel portions above and the other below the horseshoe at the forward portion thereof and with the connecting portion lying inwardly of the shoe, a downwardly-extending calk carried by the lower portion of the plate,

and adjustable attaching devices removably engaged with the shoe and with the lower portion of the plate.

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

IDA A. BLEAM.

Witnesses:

OLIVER H. FRETZ,
JAMES M. MOYER.