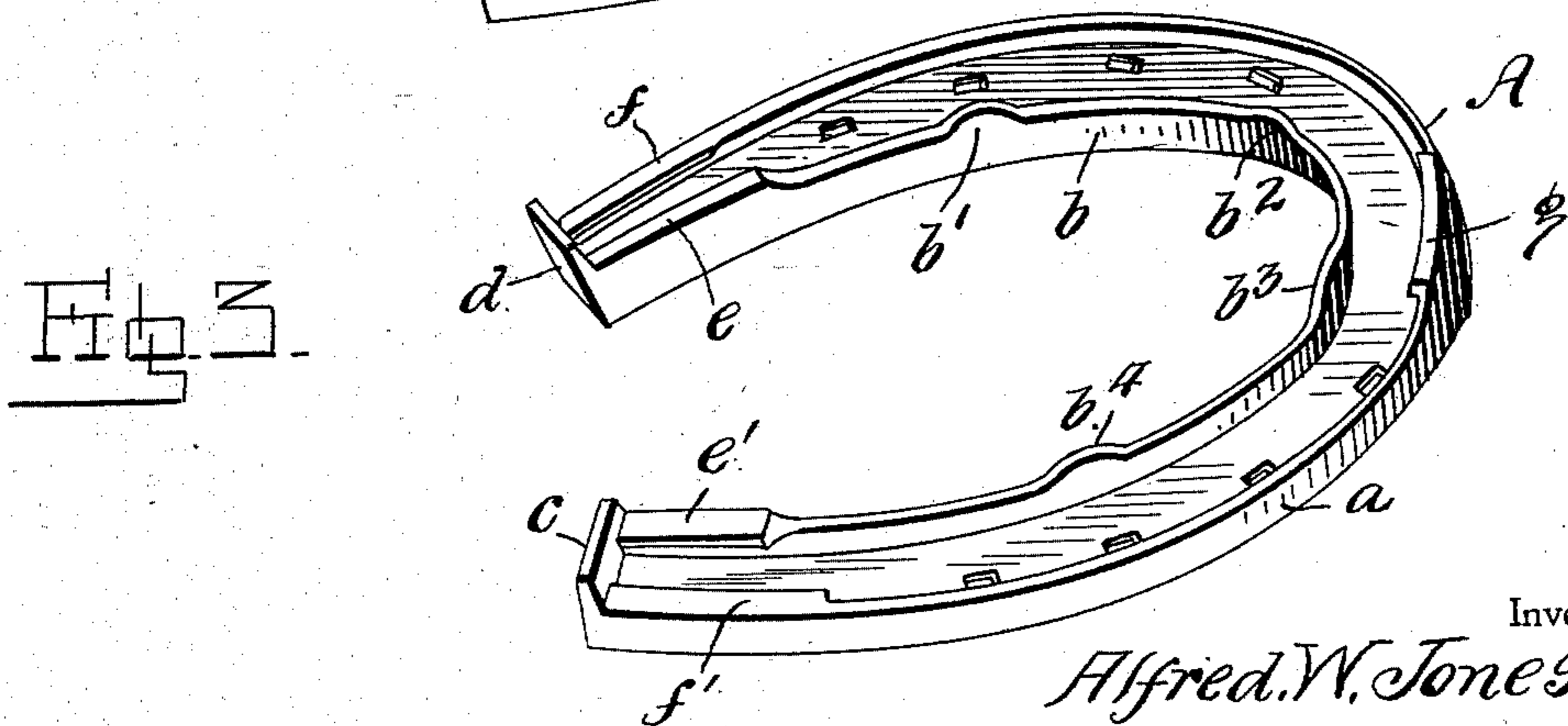
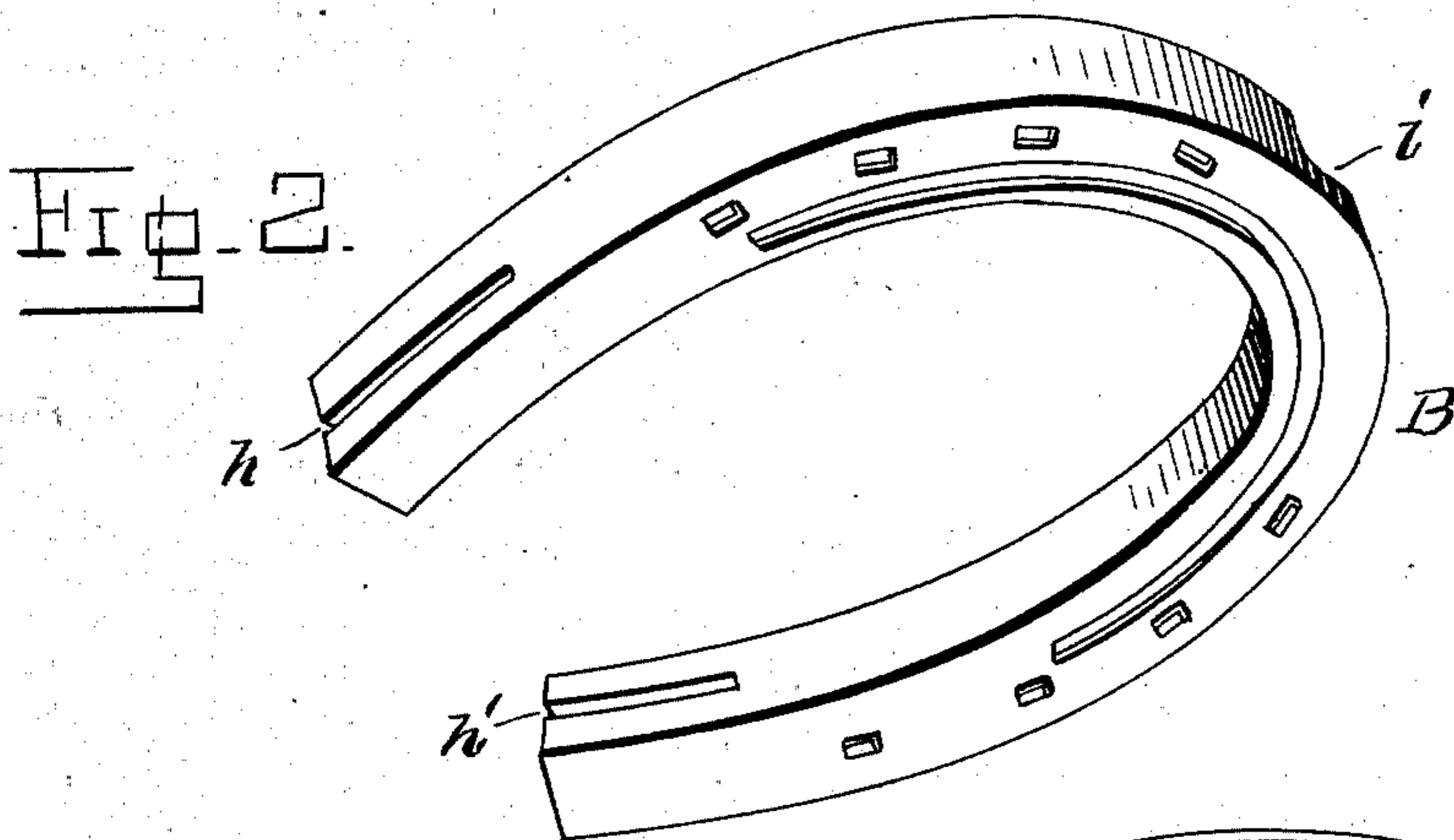
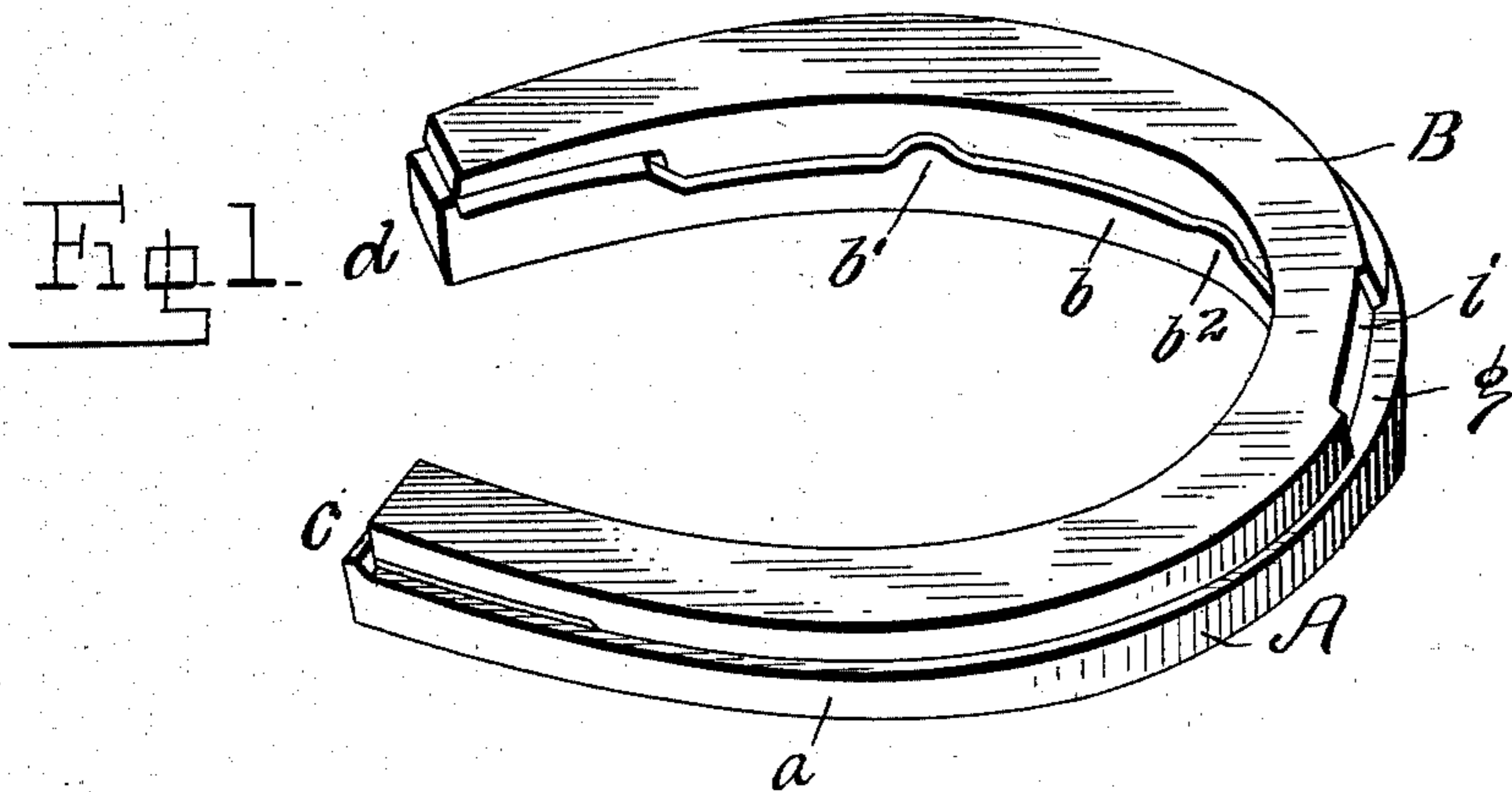


No. 749,299.

PATENTED JAN. 12, 1904.

A. W. JONES.
ELASTIC TREAD HORSESHOE.
APPLICATION FILED DEC. 26, 1902.

NO MODEL.



Witnesses
Jas Koehl.

C. H. Reichenbach.

Inventor

Alfred W. Jones.

By

T. R. Gme.

Associate Attorney

UNITED STATES PATENT OFFICE.

ALFRED W. JONES, OF PACIFIC GROVE, CALIFORNIA, ASSIGNOR TO JAMES S. TAIT, OF WASHINGTON, DISTRICT OF COLUMBIA.

ELASTIC-TREAD HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 749,299, dated January 12, 1904.

Application filed December 26, 1902. Serial No. 136,634. (No model.)

To all whom it may concern:

Be it known that I, ALFRED W. JONES, a citizen of the United States, residing at Pacific Grove, in the county of Monterey and State of California, have invented new and useful Improvements in Elastic-Tread Horseshoes, of which the following is a specification.

My invention relates to improvements in horseshoes; and it consists in a metallic horse-shoe-body channeled on its lower surface to form inner and outer flanges, the former having keys projecting therefrom, a tread-cushion between said flange-walls engaged by the keys, the latter being bent laterally to engage the cushion, and toe and heel calks, which project below the flanges, thereby serving both to retain and protect the cushion, as hereinafter described and claimed.

Figure 1 is a perspective view of the horse-shoe, showing the rubber cushion in position. Fig. 2 is a perspective view of the rubber cushion. Fig. 3 is a perspective view of the metallic horseshoe or base-plate.

In the accompanying drawings similar letters of reference refer to similar parts.

The metallic horseshoe-body A is channeled on its under side to form inner and outer flanges *b a*, respectively. The inner flange *b* is formed with keys *b' b² b³ b⁴*, which project therefrom. A toe-calk *g* is formed with and projects inwardly along the toe portion of the outer flange *a*. At the heels are calks *c d* and calk-flanges *e e' f f'*, which extend along and project inwardly from said flanges *b a*. The toe and heel calks project below the flanges *a b*.

A soft-rubber cushion B is made to conform to the inner portion of the shoe A and is slightly narrower at the top. At the heels there are provided recesses *h* and *h'* and adapted to receive and engage with the oppositely-disposed inwardly-projecting flanges formed upon the heels of the metal plate. There is also provided a corresponding recess *i* at the toe of the rubber cushion to receive and engage the inwardly-projecting horizontal flange formed upon the toe of the metal plate. In the bottom of the rubber cushion and at points corresponding with the nail-

holes of the metallic plate there are provided recesses to receive the heads of the nails by means of which the metallic shoe or plate is attached to the horse's hoof.

In operation the metallic base-plate or shoe A is first fitted to and nailed to the hoof of the horse. The rubber cushion B is then sprung into engagement with the flanges formed upon the heels and toe of the metallic base-plate or shoe and securely held in engagement by means thereof, and in case the same should become loosened by wear a light tap with the hammer upon the keys serves to engage or clench the rubber cushion and press the same against the outer clip of the metallic shoe or base-plate. The keys of the inner flange-wall *b*, being thus laterally bent, engage the inner side of the cushion, and the toe and heel calks, which project below the flange-walls *a b*, serve both to retain and protect the cushion, as will be understood.

It will be observed that there are no bolts or detachable devices which are likely to become loosened or displaced, and at the same time in case of wear upon the rubber cushion it can be readily removed or readjusted, as may be desired.

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

1. A metallic horseshoe-body channeled on its lower surface to form inner and outer flanges, the former having keys projecting therefrom, a tread-cushion between said flange-walls, engaged by the keys, the latter being bent laterally to engage the cushion, and toe and heel calks which project below the flanges, thereby serving both to retain and protect the cushion, substantially as described.

2. A soft-tread horseshoe having a base channeled on its lower surface to receive an elastic cushion, keys on the inner flange adapted to be bent into engagement with said cushion, inwardly-projecting flanges at the toe and heel which engage corresponding recesses in the cushion, and projecting calks at the toe and heel which serve both to retain and protect said cushion, substantially as described.

3. A soft-tread horseshoe having a flanged
metallic base-plate, inwardly-extending por-
tions of the flanges, and toe and heel calks
which project beyond the level of the flanges,
5 thereby serving to retain and protect the
cushion, substantially as described.

4. A soft-tread horseshoe having a flanged
metallic base-plate, projecting keys on the
inner flange, inwardly-projecting portions at
10 the toe and heel of the flanges, and projecting

toe and heel calks, the same being adapted to
engage and protect an elastic cushion, sub-
stantially as described.

In testimony whereof I have hereunto set
my hand in the presence of two subscribing 15
witnesses.

ALFRED W. JONES.

Witnesses:

CHAS. R. MILLER,
LOUIS B. SPANNER.