

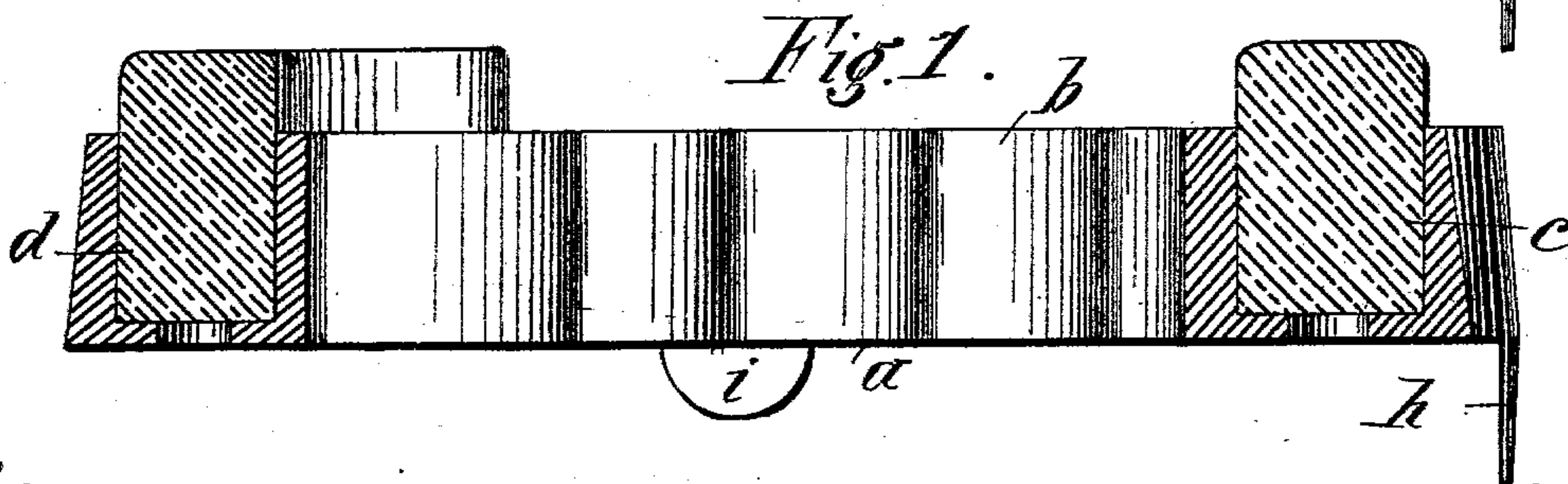
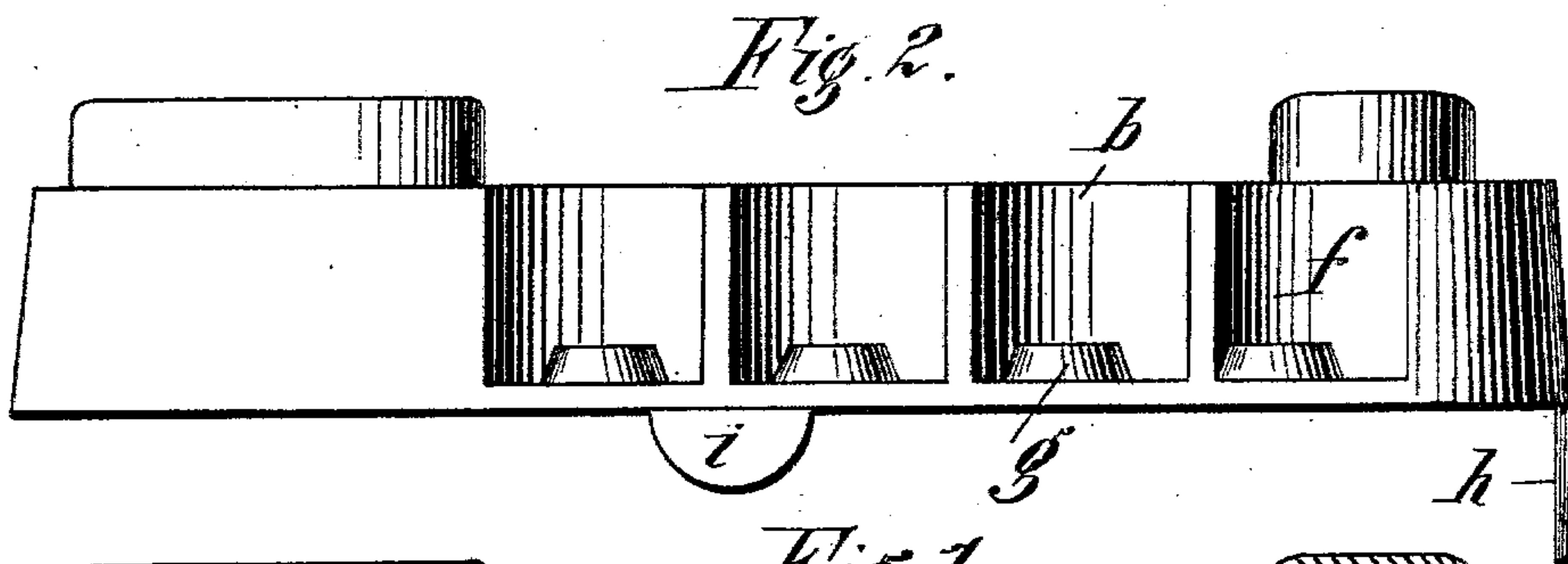
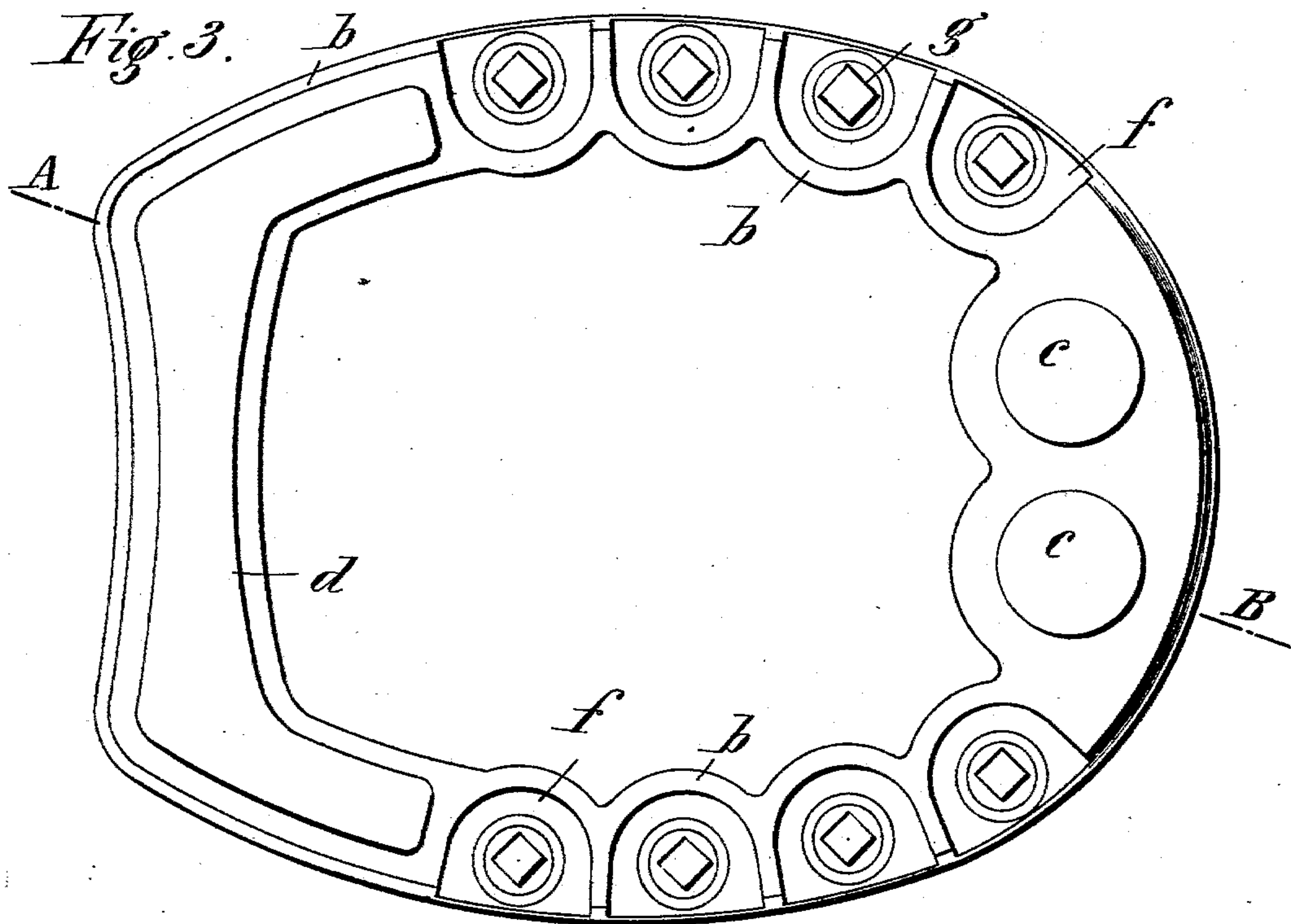
No. 715,387.

Patented Dec. 9, 1902.

F. KACZYNSKI.  
HORSESHOE.

Application filed Nov. 26, 1900.)

(No Model.)



Witnesses:

*W. H. Williams*  
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Attorney

# UNITED STATES PATENT OFFICE.

FRANCISZEK KACZYNSKI, OF WARSAW, RUSSIA.

## HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 715,387, dated December 9, 1902.

Application filed November 26, 1900. Serial No. 37,844. (No model.)

*To all whom it may concern:*

Be it known that I, FRANCISZEK KACZYNSKI, a subject of the Emperor of Russia, and a resident of Warsaw, Russia, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification.

My present invention relates to improvements in horseshoes, the object being to provide a horseshoe which may be cast instead of being forged, so that the weight, but not the resistance thereof, is considerably reduced.

In the accompanying drawings, Figure 1 is a section on line A B of Fig. 3. Fig. 2 is a side elevation of the improved horseshoe, and Fig. 3 is a bottom plan view of same.

The part *a* of the horseshoe which touches the hoof is made of the usual form and provided, in addition to the ordinary lug *h* at the front, with two side lugs *i i*, so as to obtain a perfect seating of the hoof. The under side of the part *a* is provided with a vertical rib *b*, formed of semicircular outwardly-projecting parts and which is made flush with the outer edge of the part *a* at the front and at the rear of the shoe, thus forming at these points two cylindrical holes *c c* and the recess *d*, respectively. The semicircular parts of the rib *b* are turned outwardly and form recesses *f*, opening upwardly and outwardly, in which are provided the holes for the nails. Said holes are surrounded by bosses *g*, into which the head of the nail is completely countersunk.

An important advantage of the improved horseshoe consists in the fact that it remains

always sharp and needs no calking and that the shoe cannot be lost or detached from the hoof, as the heads of the fastening-nails are protected against lateral knocks on the pavement. In order to deaden the fall of the shoe on the pavement and prevent dust or the like from entering the recesses *c, c*, and *d*, I preferably fill the latter with pads of suitable material, such as cork, wood, rubber, &c. The improved horseshoe is of reduced weight, of much longer life than the ordinary shoes, and it remains always sharp, even after it is completely worn out.

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

An improved horseshoe, formed of a hoof-contacting part *a*, provided with a vertical rib *b*, formed of a series of semicircular parts forming outer semicircular recesses, said rib being made flush with the outer edge of the part *a*, at the front and at the rear of the horseshoe, these flushed parts being provided with suitable recesses for the reception of elastic pads, the holes for the nails being bored into the bottom of the semicircular recesses and surrounded by bosses adapted to receive the heads of the nails, substantially as set forth.

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

FRANCISZEK KACZYNSKI. [L. S.]

Witnesses:

KAROL FILAROWSKI,  
BENJAMIN E. HUBBEL.