

No. 688,580.

Patented Dec. 10, 1901.

I. J. BAYLESS.  
PAD FASTENING FOR BAR SHOES.

(Application filed Apr. 18, 1901.)

(No Model.)

Fig. 1.

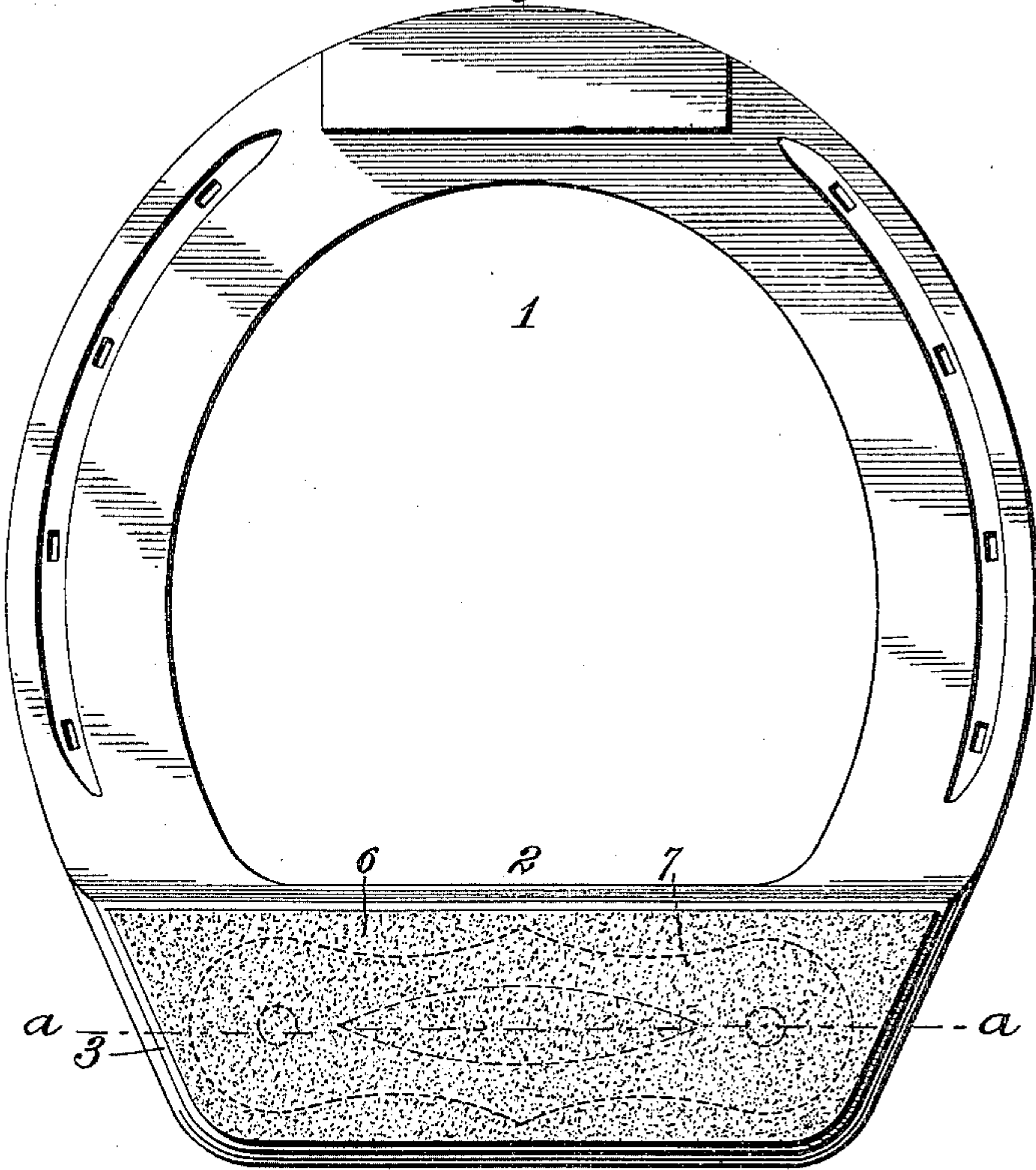


Fig. 2.

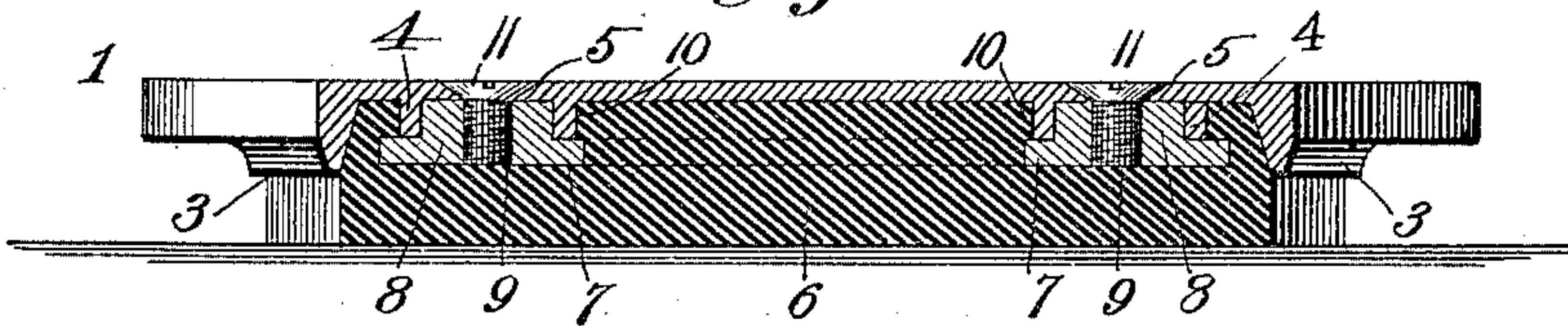
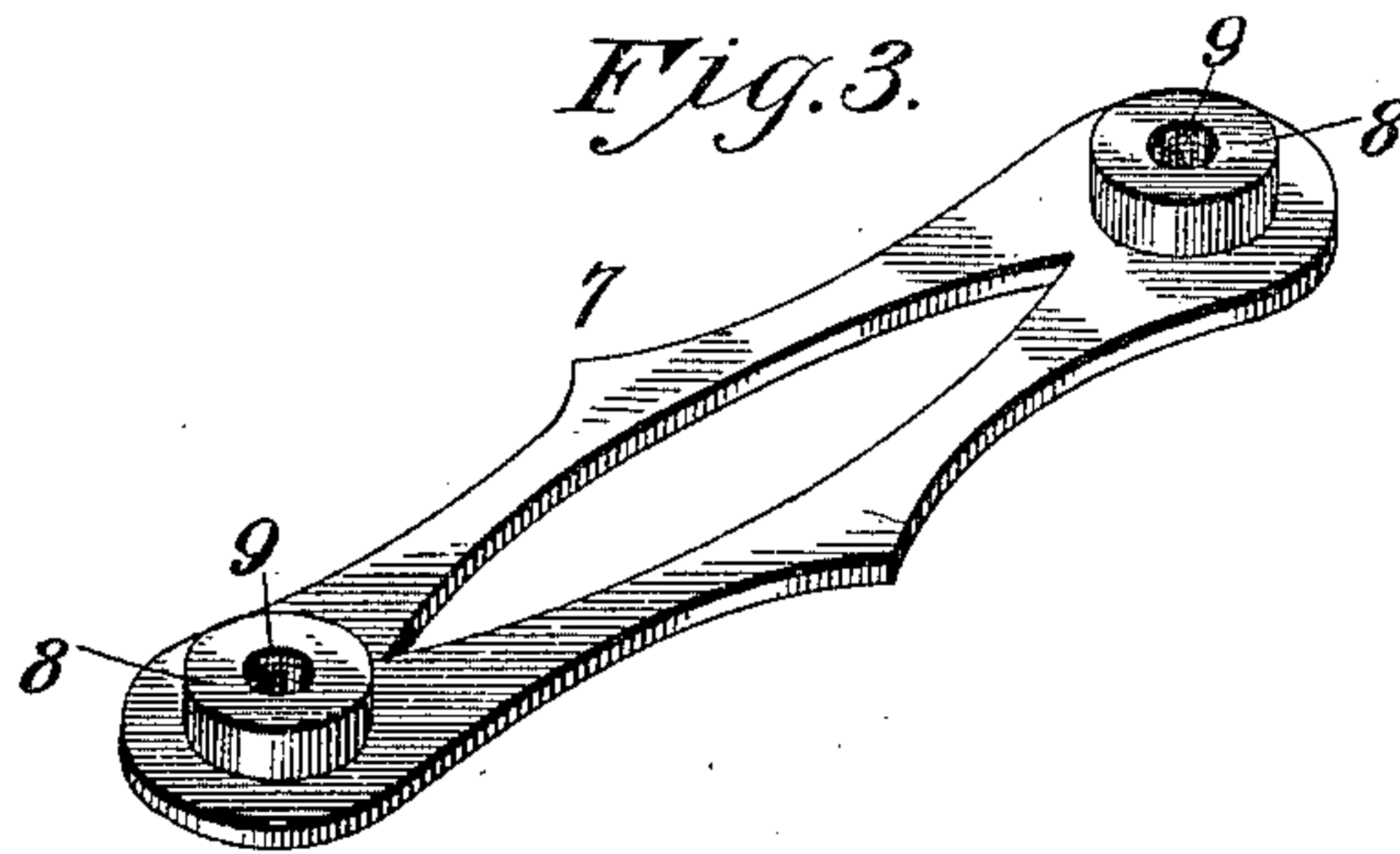


Fig. 3.



Witnesses:

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# UNITED STATES PATENT OFFICE.

IRVING J. BAYLESS, OF KANSAS CITY, MISSOURI.

## PAD-FASTENING FOR BAR-SHOES.

SPECIFICATION forming part of Letters Patent No. 688,580, dated December 10, 1901.

Application filed April 18, 1901. Serial No. 56,505. (No model.)

*To all whom it may concern:*

Be it known that I, IRVING J. BAYLESS, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Pad-Fastenings for Bar-Shoes, of which the following is a specification.

My invention relates to horseshoes, and more especially to pad-fastenings for bar-shoes, my object being to produce a fastening whereby the pad can be secured in position easily and quickly before the shoe is secured to the foot and which embodies the desirable features of simplicity, strength, durability, and cheapness of construction.

With these objects in view the invention consists in certain novel and peculiar features of construction and organization, as hereinafter described and claimed, and in order that it may be fully understood reference is to be had to the accompanying drawings, in which—

Figure 1 represents an inverted plan view of a horseshoe embodying my invention. Fig. 2 is a vertical section taken on the line *a a* of Fig. 1. Fig. 3 is a detached perspective view of the pad-carrying bar.

In the said drawings, 1 designates a shoe of the construction shown or of any other suitable or preferred construction and having its bar 2 provided with a depending annular wall 3 and a pair of annular flanges 4, depending within said wall 3, but not to so great a depth, by preference, and provided also with countersunk holes 5, registering centrally with the sockets formed by and within said flanges.

6 designates a rubber or equivalent cushion of suitable size and configuration to fit snugly within wall 3 and depend below the same to provide a yielding or resilient tread-surface for the rear portion of the shoe, and molded within said rubber cushion is a bar 7, preferably of the form shown and provided at its ends with the upwardly-projecting bosses 8, having threaded passages 9, said bosses projecting to the plane of the upper face of the pad, the latter being provided with openings 10 to receive said bosses and of sufficiently en-

larged diameter to snugly receive flanges 4 of bar 2 and permit said flanges to come squarely in contact with the upper face of the bar. Said bar is hereinafter termed the "pad-carrying" bar. By thus interlocking the bosses and flanges together side movement of the pad in any direction is prevented, the wall 3 by engagement with the edges of the pad serving to cooperate in this function and also to protect the edges of the pad from undue wear, it being obvious that unless supported or protected in such a manner as to eliminate any tendency to bend downward at its edges it would soon become broken and expose its pad-carrying bar to injurious contact with rocks in the roadway. When once the relation above mentioned is established, the parts are secured reliably together by means of headed pins or screw-bolts 11, extending through bar 2 and engaging the threaded passages of said bosses, the heads of said securing bolts or pins engaging the countersunk holes or openings of said bar, as shown clearly in Fig. 2. It will be seen that by reason of the square bearing of the bosses on the shoe and of the flanges 4 upon the bar and of the pad, necessarily very solid, there is no possibility of injury to the bar molded therein.

From the foregoing it will be seen that with the fastening I employ the pad and the shoe can be of minimum weight, and that while I have illustrated and described its preferred embodiment it is to be understood that the peculiar formation of the pad and of the bar is immaterial, and that the means for uniting the parts may be varied in minor particulars without departing from the essential spirit and scope of the invention.

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

1. In a pad-fastening for bar-shoes, the shoe proper, a pad-carrying bar fitting against the under side of the shoe-bar, one bar having flanges and the other bosses interlocked with said flanges against side movement, and pins or screws engaging the bar of the shoe and the pad-carrying bar to secure the latter reliably against the former.

2. In a pad-fastening for bar-shoes, the shoe proper provided with a depending wall, a pad-carrying bar fitting against the under side of the shoe-bar, one bar having flanges and the  
5 other bosses interlocked with said flanges against side movement, the pad proper fitting snugly within said wall, and pins or screws engaging the bar of the shoe and the pad-car-

rying bar to secure the latter reliably against the former.

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

IRVING J. BAYLESS.

Witnesses:

H. C. RODGERS,

G. Y. THORPE.