

No. 824,090.

B. BOGEAR & J. G. TOMPKINS.
HORSESHOE CALK AND FASTENER.
APPLICATION FILED APR. 17, 1906.

PATENTED JUNE 26, 1906.

Fig. 1.

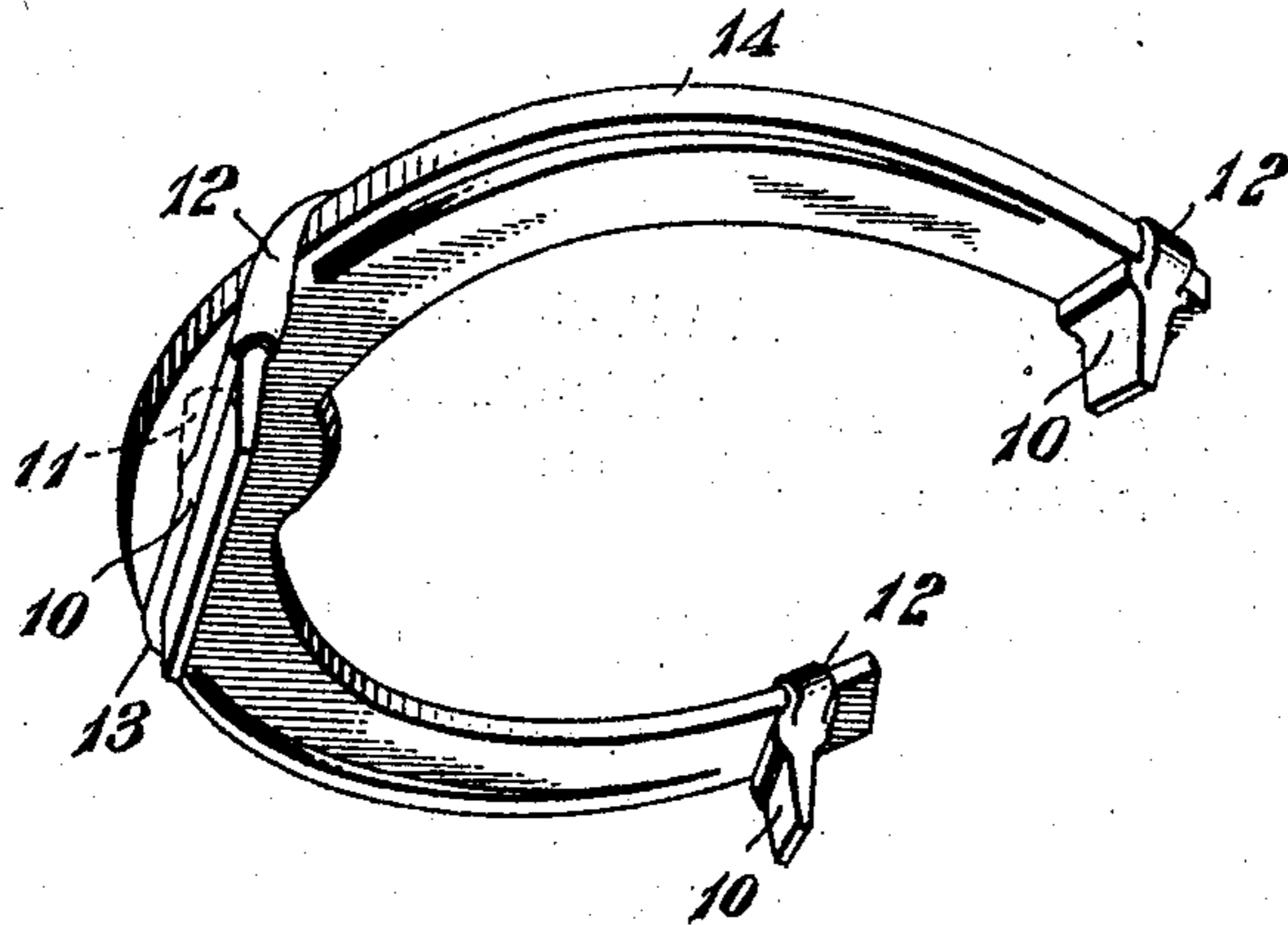


Fig. 2.

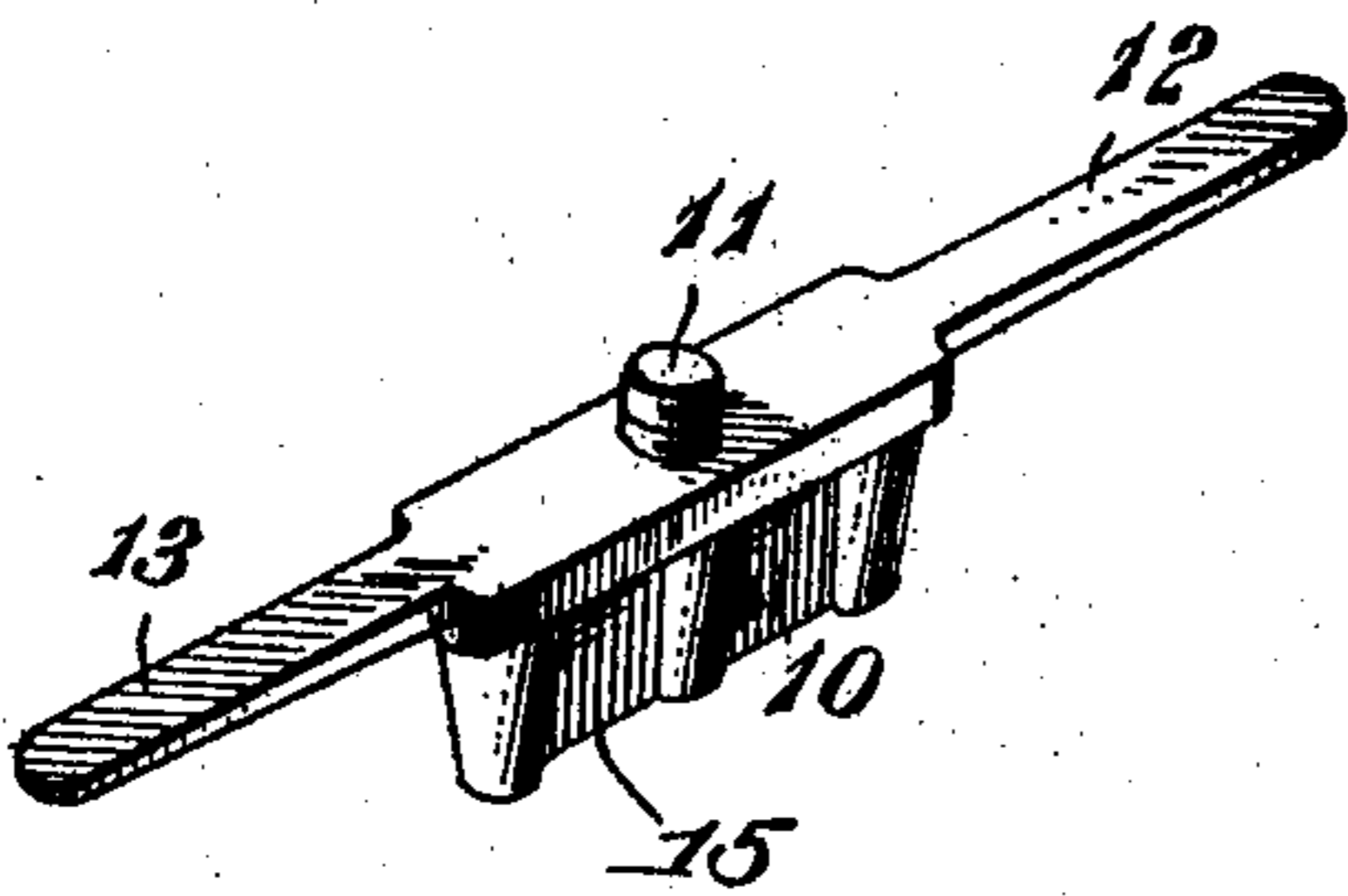


Fig. 3.

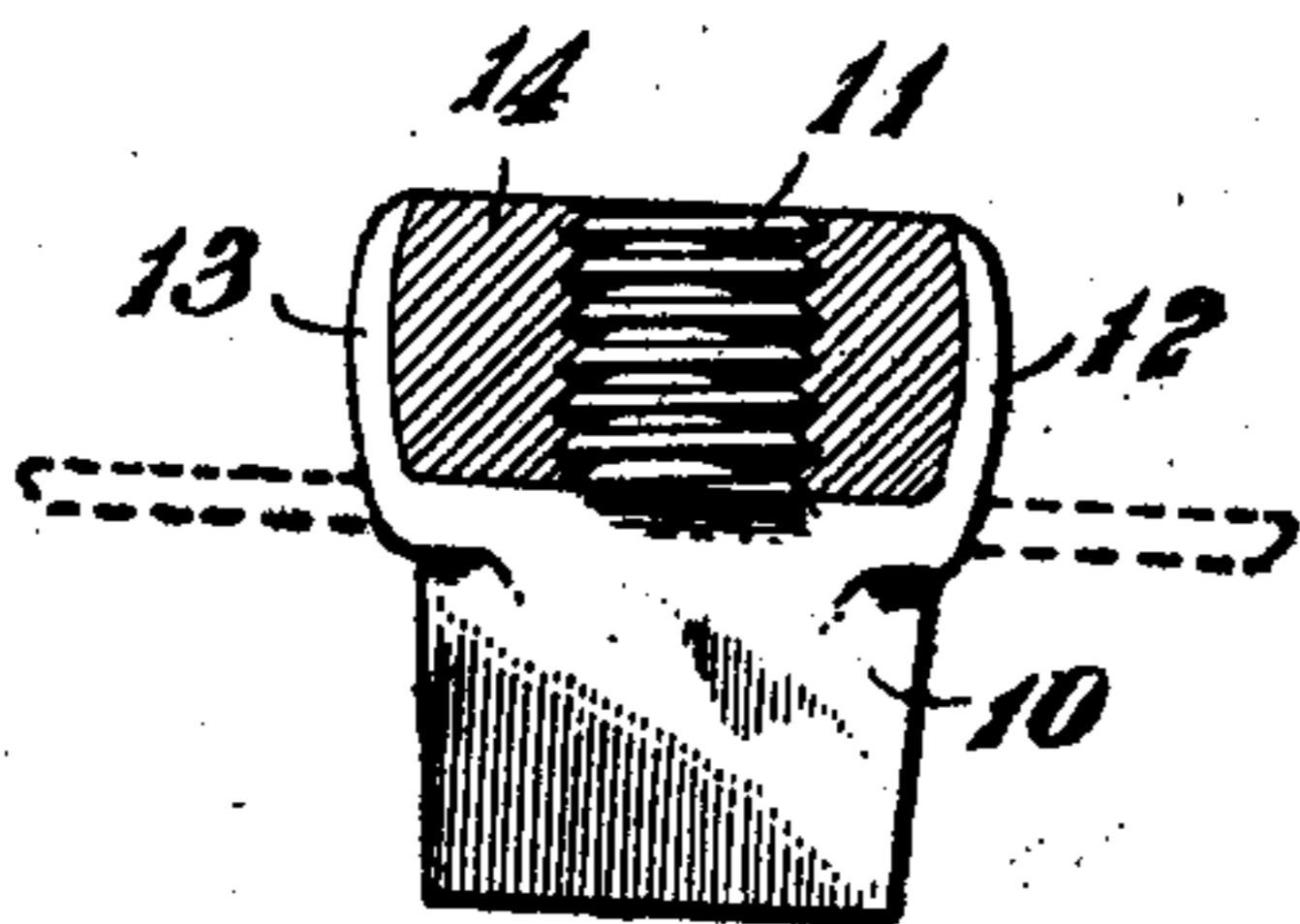
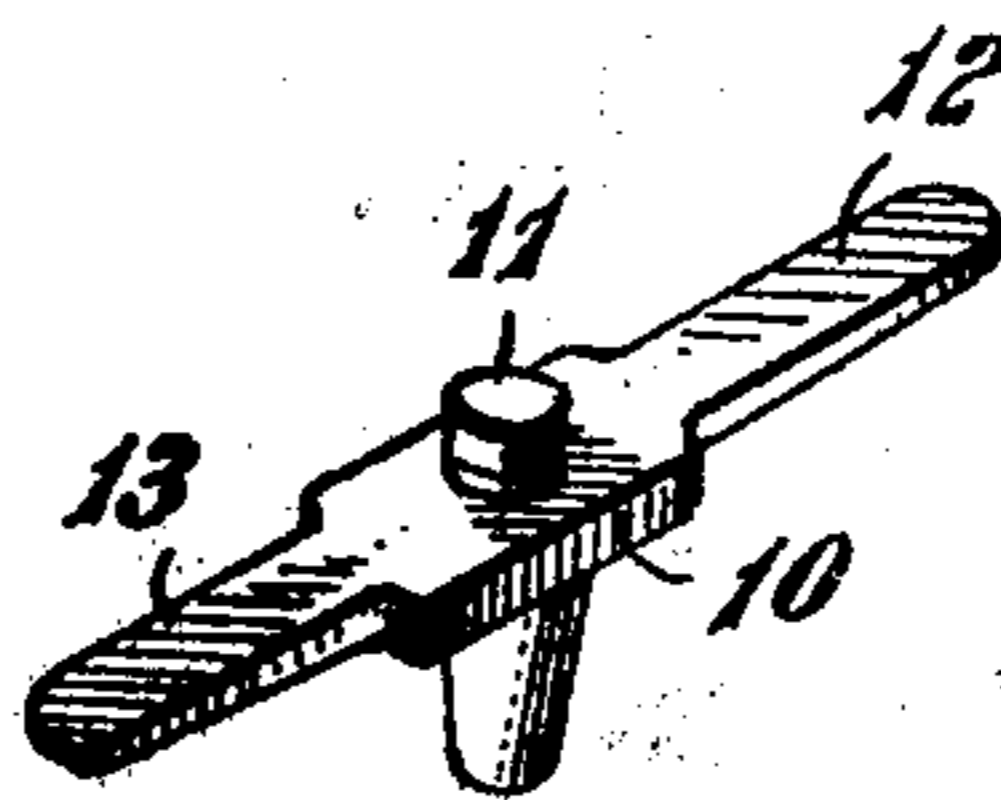


Fig. 4.

WITNESSES:

E. J. Blount
E. H. Woodward

Bert Bogear
James G. Tompkins
INVENTORS

By *C. A. Snow & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

BERT BOGEAR AND JAMES GORDON TOMPKINS, OF MARENGO, IOWA.

HORSESHOE-CALK AND FASTENER.

No. 824,090.

Specification of Letters Patent.

Patented June 26, 1906.

Application filed April 17, 1906. Serial No. 312,247.

To all whom it may concern:

Be it known that we, BERT BOGEAR and JAMES GORDON TOMPKINS, citizens of the United States, residing at Marengo, in the county of Iowa and State of Iowa, have invented a new and useful Horseshoe-Calk and Fastener, of which the following is a specification.

This invention relates to improvements in horseshoes and detachable calks for the same, and has for its object to improve the construction and increase the efficiency and utility of devices of this character, whereby the calks may be readily attached to or detached from the shoe without removing the same from the hoof, so that winter-calks may be substituted for summer-calks or broken or worn calks replaced as required.

With this and other objects in view, which will appear as the nature of the invention is better understood, the invention consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation.

In the drawings, Figure 1 is a perspective view from beneath of a horseshoe with the improvements applied. Fig. 2 is a perspective view of an approved form of toe-calk detached. Fig. 3 is a perspective view of an approved form of heel-calk detached. Fig. 4 is a transverse section, enlarged, through the heel portion of the shoe with one of the improved calks applied.

The improved device comprises a horseshoe calk consisting of the body portion 10 of any form, either of the sharpened winter-calk or the dull summer-calk, as may be required, the improved calk being arranged for ready attachment to or detachment from the shoe without removing the same from the hoof, so that worn or broken calks may be easily replaced or the winter-calks changed for summer-calks, or vice versa, as circumstances may require.

The body of the calk is provided with a threaded stud 11 and with laterally-extend-

ing arms 12 13, the threaded stud adapted to engage a threaded aperture in the body of the shoe (represented at 14) and the arms 12 13 adapted to be bent around the portions of the shoe adjacent to the apertures, as represented, to firmly lock the calk to the shoe and prevent its working loose or rattling under the severe strain to which devices of this character are subjected.

In Fig. 1 is represented a horseshoe with the toe-calk and the heel-calks in position thereon, the toe-calk having its lateral arms bent around the toe portion of the shoe and the heel-calks with their lateral arms bent around the heel portion of the shoe.

In Fig. 2 is shown an approved form of toe-calk with the bearing portion in the form of three spaced spurs, and in Fig. 3 an approved form of heel-calk is shown with the body portion in the form of a single spur.

In Fig. 4 is shown a transverse section of the heel portion of the shoe with one of the heel-calks attached thereto, the lateral arms being shown in full lines bent around the adjacent portions of the shoe, while the arms are shown in their opened or distended position in dotted lines.

The device is very simple in construction, can be very readily applied, and holds the calk firmly in place and effectually obviates all tendency of the calk to work loose under strain or from blows while in use. When the form of calk shown in Fig. 2 is employed, the spurs may be connected by ribs 15 to stiffen and support them.

Having thus described the invention, what is claimed as new is—

A horseshoe having threaded apertures at the toe and heel portions and calks having threaded studs for engaging said apertures and with laterally-extending arms opposite said studs and adapted to be bent around the portion of the body of the shoe adjacent to the calk and its stud and reinforcing the same.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

BERT BOGEAR.

JAMES GORDON TOMPKINS.

Witnesses:

FRANK COOK,

B. E. NOWLEN.