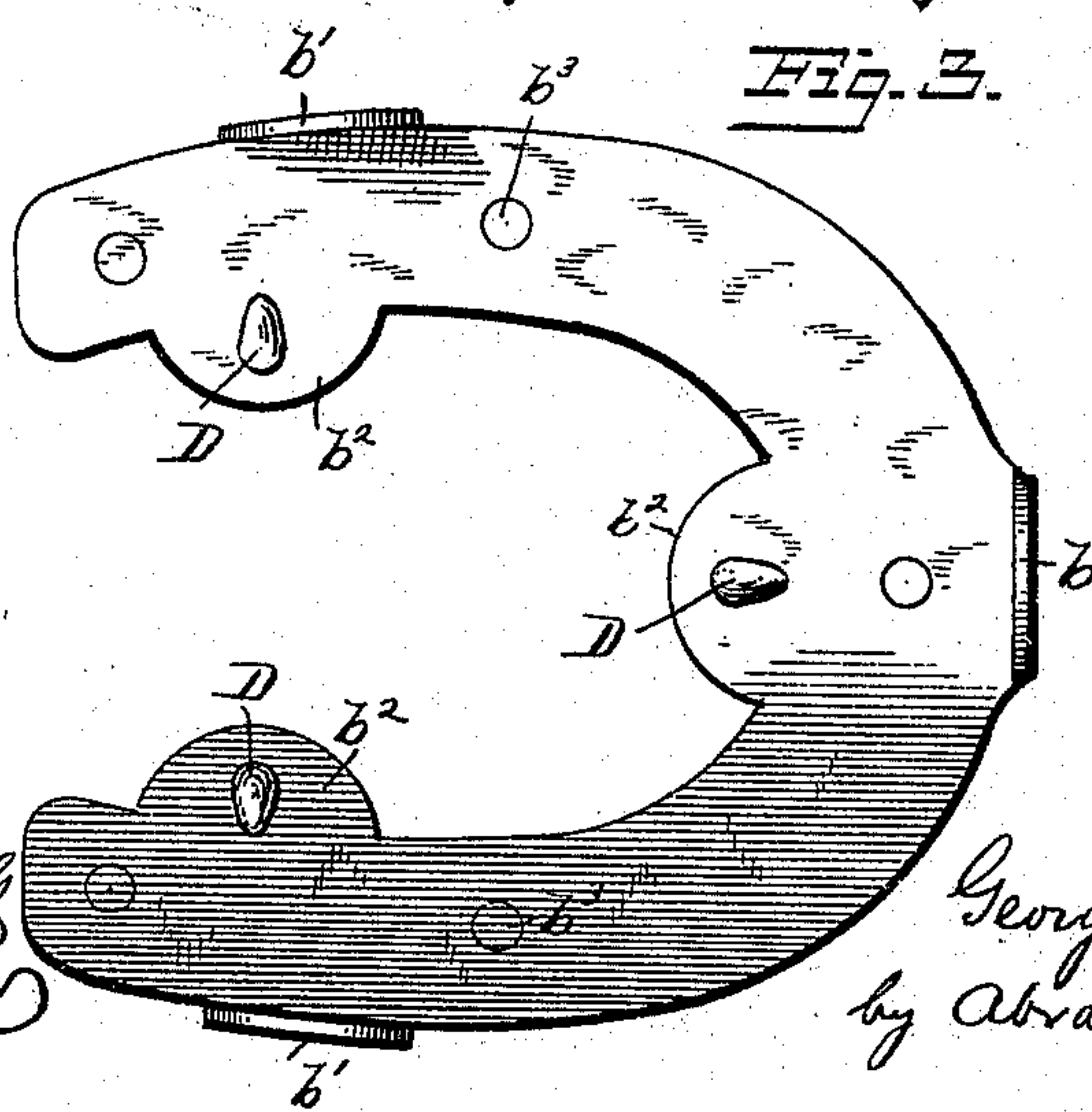
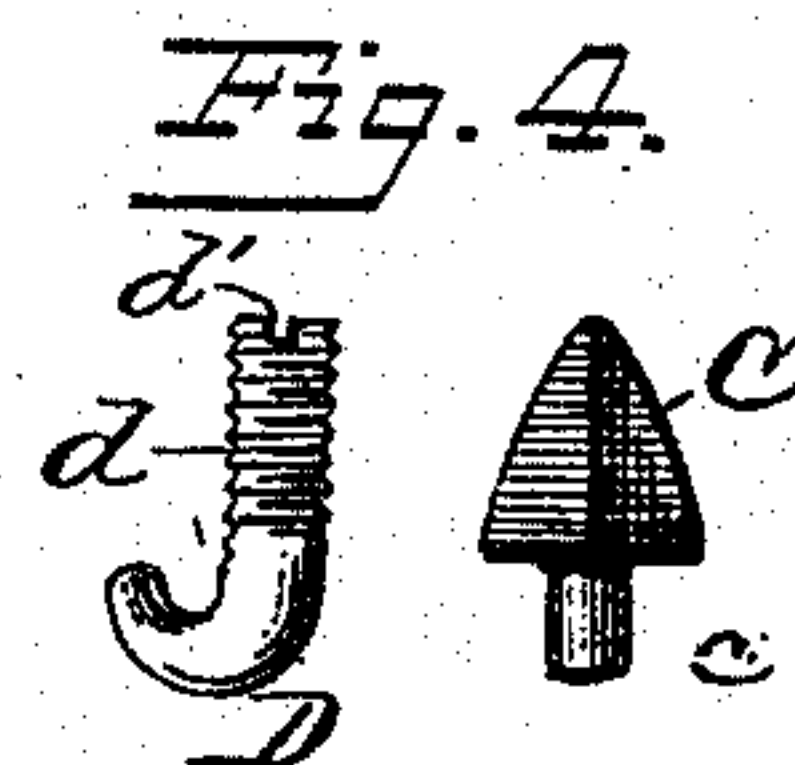
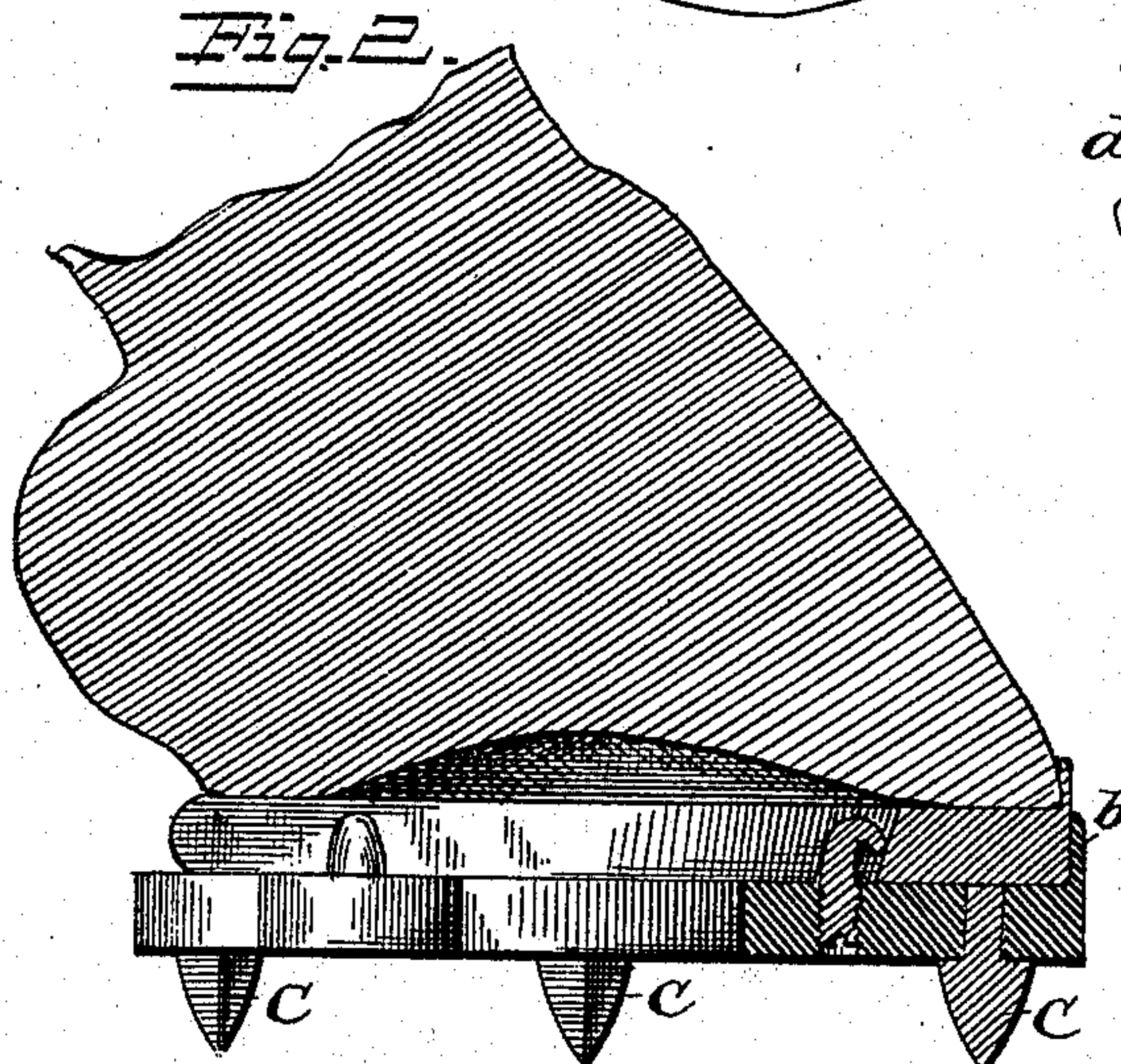
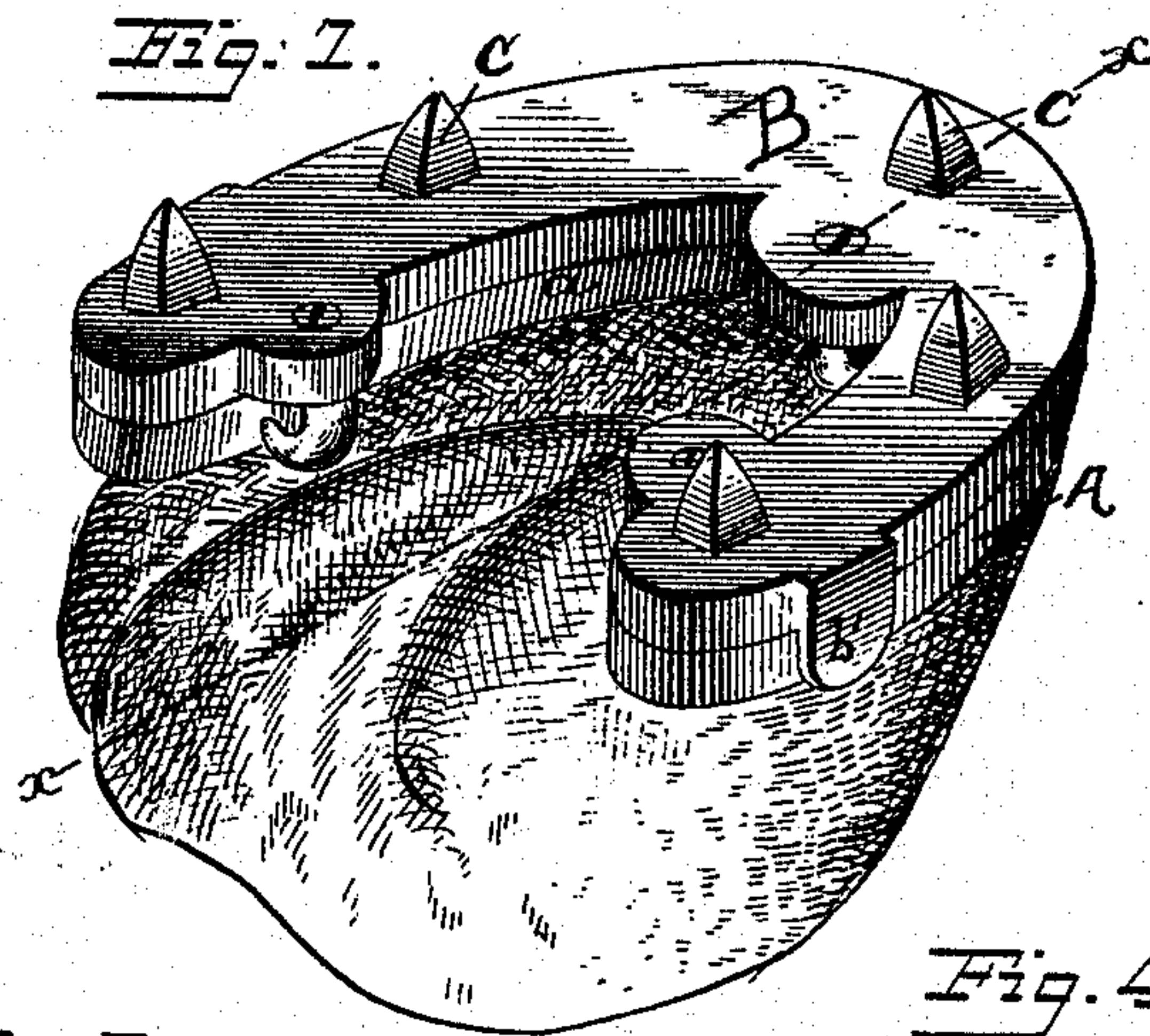


(No Model.)

G. G. SCHROEDER.  
DETACHABLE HORSESHOE.

No. 322,398.

Patented July 14, 1885.



Witnesses:  
*L. C. Hill*  
*J. H. Jacobson*

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attorneys



# UNITED STATES PATENT OFFICE.

GEORGE G. SCHROEDER, OF WASHINGTON, DISTRICT OF COLUMBIA, AS-  
SIGNOR OF ONE-HALF TO EMANUEL STEINEM, OF SAME PLACE.

## DETACHABLE HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 322,398, dated July 14, 1885.

Application filed March 27, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE G. SCHROEDER, a citizen of the United States, residing at Washington, in the District of Columbia, have invented a new and useful Improvement in Detachable Horseshoes, of which the following is a specification.

My invention relates to farriery, and has for its object the provision of a supplementary detachable horseshoe supplied with calks and clamping devices adapted to be adjusted to an ordinary shoe, and to be readily removed therefrom.

In carrying out my invention I provide a supplementary horseshoe of novel and peculiar construction, having means for firm adjustment to the ordinary hoof-shoe, as illustrated in the drawings, and as hereinafter described, and specifically pointed out in the claims.

Referring to the accompanying drawings, in which like letters of reference point out similar parts on each figure, Figure 1 represents in perspective a shod hoof of a horse having a supplementary shoe attached thereto embodying my invention. Fig. 2 is a cross-section on the line *x x*. Fig. 3 is a plan view of the inner or upper side of my supplementary shoe. Fig. 4 is a detached view of one of the calks and of one of the clamps.

In the drawings, A represents an ordinary horseshoe, in which the side of the inner curve preferably inclines from the bottom, as shown at *a*; but this is not essential in applying my invention. The shoe A is attached in the usual manner.

B is a supplemental shoe or creeper; *b*, a toe-flange; *b'* *b'*, heel-flanges, for obvious purposes. Extending from the inner curve of the shoe B are projections *b*<sup>2</sup>, apertured, said apertures being screw-tapped to receive the shank of a screw-threaded clamping device, as hereinafter described. The shoe B is also provided with apertures *b*<sup>3</sup>, for reception of the stems *c* of the detachable calks C, which can be readily removed, when desired, by a punch.

D represents cam-headed clamps, having screw-threaded shanks *d*, as shown. Their heads *d'* are countersunk for being turned by a screw-driver. The shanks *d*, in practice, are inserted within the apertures of the projections *b*<sup>2</sup>.

It will be readily understood that when the shoe B is adjusted upon the ordinary shoe, A, the flanges *b* *b'* will prevent lateral displacement. After being so placed the clamps D are screwed up toward the frog of the hoof, and impinge against the sides of the inner curve of the shoe A, thus firmly adjusting the supplementary shoe in position; and it is obvious that by unscrewing said clamps said supplementary shoe can be readily removed.

It will be observed from the drawings that the heads of the cams taper slightly toward their ends, and by this construction they are enabled; when screwed up a desired length, to be inserted between the upper surface of the shoe A and the yielding surface of the frog of the hoof, and thus secure locking devices equally as firm as if said cam-heads only impinged against the beveled edge of the shoe A, as hereinbefore described, either adaptation being entirely within the scope of my invention.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a supplementary horseshoe having removable calks C, the inward projections *b*<sup>2</sup>, provided with screw-threaded apertures, in combination with clamps having screw-threaded shanks to take into the apertures of said projections, said clamps being provided with cams at one end and being countersunk at the opposite end, as and for the purpose intended, substantially as described.

2. The combination of an ordinary horseshoe, A, with a supplementary detachable shoe having toe and heel flanges to prevent lateral displacement, and provided with inward projections supplied with cam-headed clamps having screw-threaded shanks inserted within screw-threaded apertures of said inward projections, as and for the purpose intended, substantially as described.

3. In a supplementary horseshoe, the clamping devices D, cam-shaped at one end and having a screw-threaded shank countersunk at its opposite end, as and for the purpose intended, substantially as described.

GEORGE G. SCHROEDER.

Witnesses:

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