T. HENRY.
HORSESHOES.

No. 193,953. Patented Aug. 7, 1877.

Fig. 1.

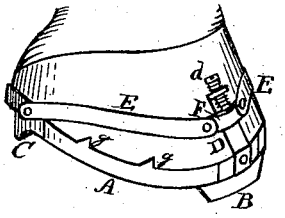

Fig. 4.

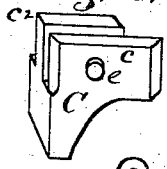

Fig. 5.

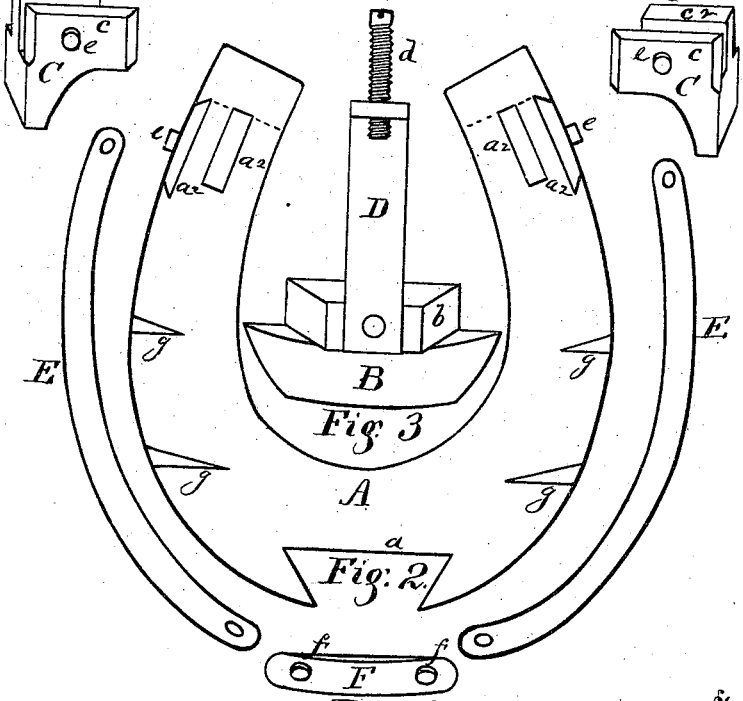

Fig. 3

Fig. 2.

Fig. 6.

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UNITED STATES PATENT OFFICE.

THOMAS HENRY, OF ROCKPORT, OHIO, ASSIGNOR TO MATILDA HENRY.

IMPROVEMENT IN HORSESHOES.

Specification forming part of Letters Patent No. **193,953**, dated August 7, 1877; application filed March 26, 1877.

To all whom it may concern:

Be it known that I, THOMAS HENRY, of Rockport, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Horseshoes, which improvements are fully set forth in the following specification and drawing, in which—

Figure 1 is a perspective view of a horse's hoof with my shoe attached. Fig. 2 is a top or plan view of the shoe. Fig. 3 is a detached view of the toe-calk. Figs. 4 and 5 are detached views of the heel-calks, and Fig. 6 is a detached view of the bands for securing the shoe to the hoof.

The object of my invention is to furnish a shoe which may be easily and readily placed onto, and removed from, the foot without the use of nails, and also which has removable toe and heel calks.

In the accompanying drawing, A is the shoe, having a dovetail mortise, *a*, in the toe, and dovetail and longitudinal mortises a^2 a^2 in the heel. B is the toe-calk, having a dovetail tenon, *b*, which fits the mortise *a* in the toe of the shoe. C C are heel-calks, each having a dovetail and a straight tenon, *c* c^2, which fit the mortises in the heel of the shoe. To the toe-calk B is attached an upright strap, D, bent outward at its top end, and through which a screw, *d*, passes.

E E are two side straps or bands, having holes in the ends. Those at the rear fit onto the lugs *e* on the outside faces of the heel-calks C C. The front ends of the bands are connected by a link, F, having lugs *f f*, which fit the holes in the front ends of the said bands.

Upon the face of the shoe A, which lies against the sole of the hoof, are made tapering upwardly-projecting lugs *g g*. These are made to fit into corresponding creases in the bottom side of the hoof, and they serve, instead of nails, to help to hold the shoe on the foot.

The application of this shoe to the foot, as represented in Fig. 1, will be understood from the foregoing.

The shoe being set in place, as shown in the drawing, the lugs *g g* being in the creases, and the bands C C placed and brought around over the front of the hoof, with the link F lying over the strap D, then, by turning down the screw *d*, which bears on the top edge of the link, the shoe is securely bound to the foot.

The advantages of this invention are, that the shoe can be readily attached or removed by anybody, and that the toe and heel calks can be easily removed for sharpening, or for replacement by new ones.

Having described my invention, I claim—

1. The tapering lugs *g g* on the face of the shoe A, as and for the purpose specified.

2. The toe-calk B, constructed with a dovetail tenon, *b*, the strap D, and screw *d*, in combination with the shoe, substantially as described.

3. The heel-calks C C, constructed with the dovetail tenon *c* and straight tenon c^2, and the bands E E, in combination with the shoe A, substantially as described.

4. The combination and arrangement of the shoe A, provided with the tapering lugs *g g*, the toe-calk B, provided with the strap D and screw *d*, the heel-calks C C, provided with the two tenons *c* c^2, the bands E E, and the link F, all substantially as and for the purpose set forth.

THOS. HENRY.

Witnesses:

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