

A. LEACH.
Horseshoes.

No. 141,509.

Patented August 5, 1873.

Fig. 1.

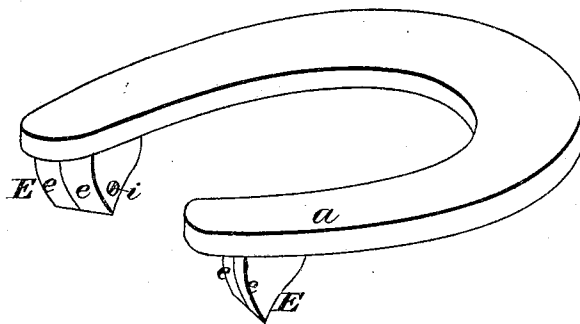


Fig. 2.

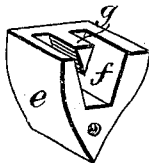


Fig. 3.

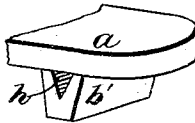


Fig. 4.

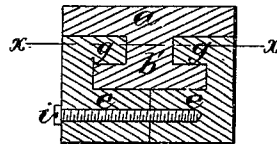


Fig. 5.

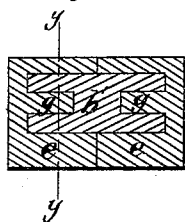
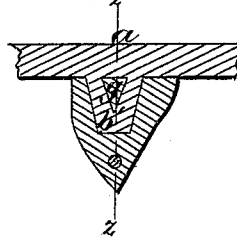


Fig. 6.



WITNESSES

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ALBERT LEACH, OF LYNN, MASSACHUSETTS.

IMPROVEMENT IN HORSESHOES.

Specification forming part of Letters Patent No. **141,509**, dated August 5, 1873; application filed May 15, 1873.

To all whom it may concern:

Be it known that I, ALBERT LEACH, of Lynn, in the county of Essex and State of Massachusetts, have invented certain Improvements in Horseshoes, of which the following is a specification:

Figure 1 is a perspective view of a horseshoe provided with my invention. Fig. 2 is a perspective view of one of the parts of the calk. Fig. 3 is a perspective view of the tenon on the shoe on which the calk is placed. Fig. 4 is a longitudinal vertical section of my improved calk through line *z z*, Fig. 6. Fig. 5 is a section through line *x x*, Fig. 4; and Fig. 6, a section through line *y y*, Fig. 5.

This invention relates to that class of horseshoes having removable calks; and it has for its object to provide means for securely attaching the calk to the shoe, and at the same time permitting its ready removal. To this end it consists of a calk divided transversely and locked into a suitable projection from the under side of the shoe, the parts of the calk being connected by a screw or other suitable means, as I will now proceed to describe.

In the drawings, *a* represents the shoe, from the under side of which, at a point corresponding to the position of each calk, projects a tenon, *b'*, which tapers slightly downward, as shown in Fig. 3, and is provided at each end with a triangular or other shaped socket, *h*, each extending rearward longitudinally of the tenon, as shown in Figs. 4 and 5. *E* represents the calk, which is made in two parts,

e e, each being recessed on the upper side, as shown at *f*, so that when put together they fit snugly over the tenon *b'*. At the outer ends of the recesses *f*, and projecting inward, are tongues *g g*, so shaped as to fit snugly in the sockets *h* of the tenon *b'*, as shown. The parts *e* of the calk being fitted to the tenon *b'* of the shoe, the tenon entering the recess *f* of the calk, and the tongues *g* of the calk entering the sockets *h* of the tenon, they are secured by a screw, *i*, as shown in Fig. 6. The calk is thus effectually locked on the shoe, and cannot be removed except by taking out the screw *i*.

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

1. A horseshoe having tenons *b'* provided with sockets *h*, adapted to receive and hold the correspondingly tongued and recessed divided calks *E*, substantially as described.

2. The calk *E* constructed of two parts, *e e*, connected by the screw *i*, and provided with the recess *f* and tongues *g*, in combination with the tenon *b'* having the sockets *h*, substantially as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALBERT LEACH.

Witnesses:

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