

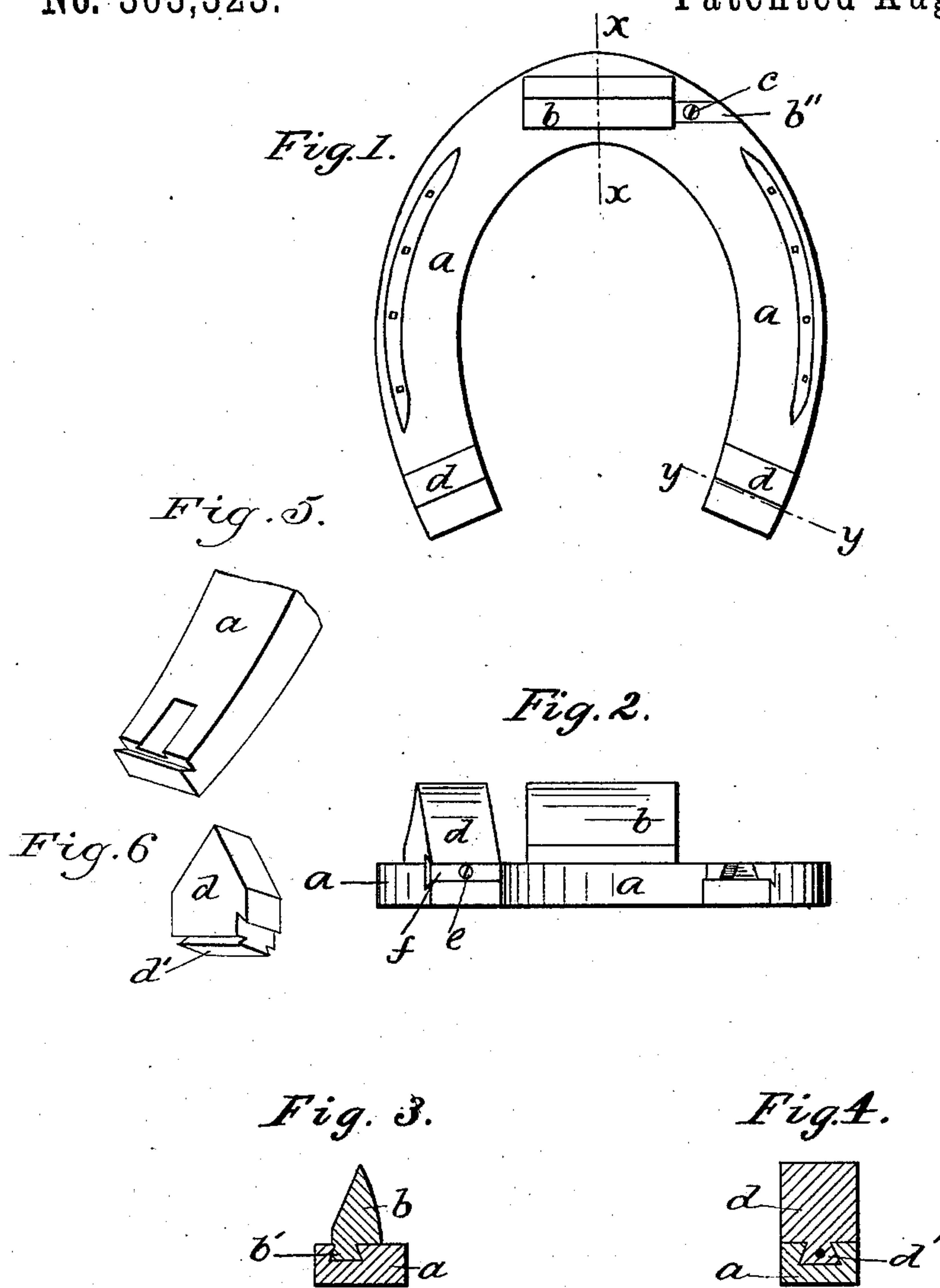
(No Model.)

L. E. RISING.

HORSESHOE.

No. 303,323.

Patented Aug. 12, 1884.



Witnesses.

E. J. Dimock.

W. M. J. J. J. J.

Inventor.

Lewis E. Rising.

By Simonds & Burdett

Att'ys.

# UNITED STATES PATENT OFFICE.

LEWIS E. RISING, OF RIVERTON, CONNECTICUT.

## HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 303,323, dated August 12, 1884.

Application filed May 17, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, LEWIS E. RISING, of Riverton, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements Pertaining to Horse-shoes, of which the following is a description, reference being had to the accompanying drawings, where—

Figure 1 is a top view. Fig. 2 is an end view of the open end. Fig. 3 is a view in cross-section on the line *x x*. Fig. 4 is a view in section on the line *y y*. Fig. 5 is a detail view in perspective of the heel of the horse-shoe, showing the calk removed. Fig. 6 is a detail perspective view of the heel-calk.

The object of the improvement is the furnishing of horseshoes with detachable calks, so that when calks are worn out they can be replaced by new ones without the aid of a blacksmith. The mode or manner of arriving at this end is to provide each calk with a dovetailed dowel, sliding into a corresponding dovetailed socket in the shoe, the calk being secured in place by a screw.

The letter *a* denotes the horseshoe proper. 25  
The letter *b* denotes a toe-calk, having on the bottom a dovetailed dowel, *b'*, sliding into a correspondingly-shaped groove in the shoe and held in place by the screw *c*.

The letters *d d* denote the heel-calks, which 30  
are provided with a dovetailed dowel, *d'*, sliding into a correspondingly-shaped groove in the ends of the shoe, and kept in place by the screws *e*, which run through gate-plates *f*, which are dovetailed upon their edges, and 35  
fitted into correspondingly-dovetailed sockets.

I claim as my invention—

A horseshoe, *a*, having the heel-calk sockets, in combination with the removable heel-calks 40  
*d*, having tenons *d'*, that fit the sockets, and a gate-plate, *f*, fitting a transverse socket in the heel-calk and heel, and held by a screw, *e*, all substantially as described.

LEWIS E. RISING.

Witnesses:

JUSTIN HODGE,  
CHAS. W. CRANE.