

E. M. BUMPUS.

Horseshoe.

No. 168,872.

Patented Oct. 19, 1875.

Fig 1.

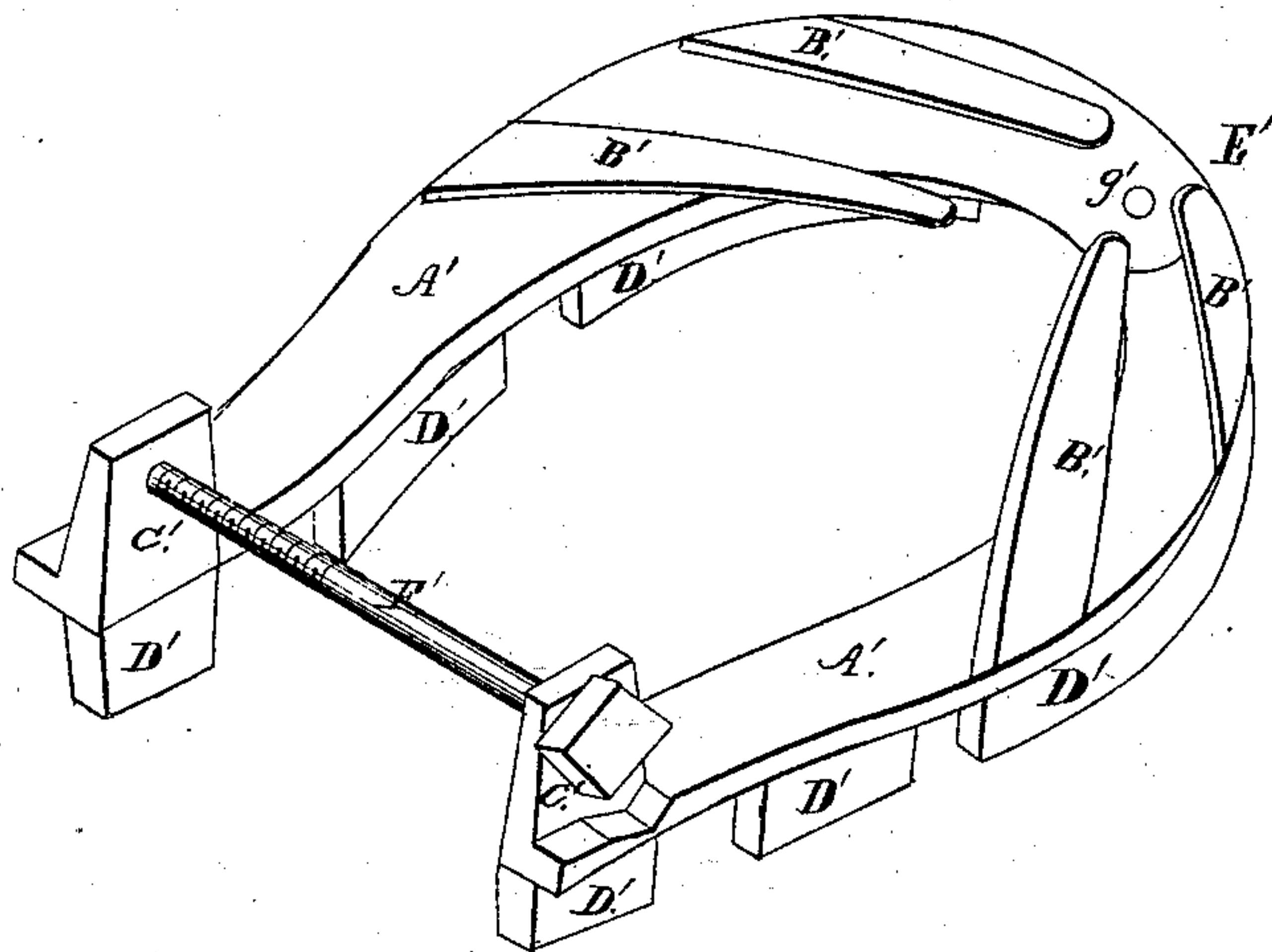
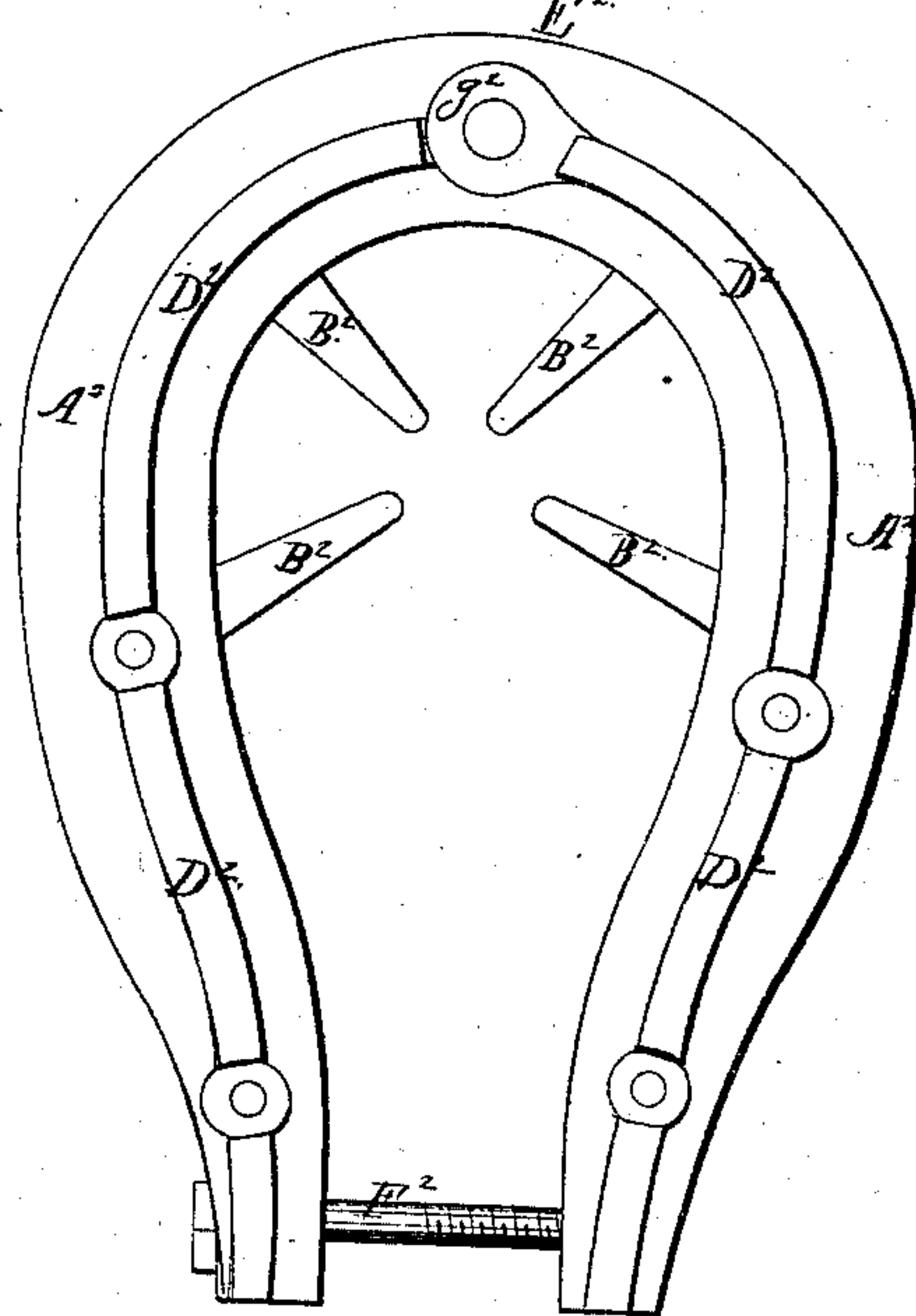


Fig 2



Attest:  
James Ruggles  
John H. Thyring

Inventor  
Elisha M. Bumpus

# UNITED STATES PATENT OFFICE.

ELISHA M. BUMPUS, OF ROCHESTER, MASSACHUSETTS.

## IMPROVEMENT IN HORSESHOES.

Specification forming part of Letters Patent No. 168,872, dated October 19, 1875; application filed May 11, 1875.

*To all whom it may concern:*

Be it known that I, ELISHA M. BUMPUS, of Rochester, State of Massachusetts, have invented certain Improvements in Horseshoes, of which the following is a specification:

The objects of my invention are to secure the shoe to the hoof without the application of nails, and for ease in standing and traveling.

Figure 1 is a perspective view of my invention. Fig. 2 is a plan of the bottom of the shoe and the calks.

Fig. 1, A<sup>1</sup> A<sup>1</sup> is the shoe, which is made in segments or halves, with calks D<sup>1</sup> D<sup>1</sup> D<sup>1</sup> D<sup>1</sup>, holders B<sup>1</sup> B<sup>1</sup> B<sup>1</sup> B<sup>1</sup> welded or riveted to each segment or half of the shoe. C<sup>1</sup> C<sup>1</sup> are projections turned up, through which the screw-bolt F<sup>1</sup> passes and screws, and prevents the heels of the shoe from spreading when it is affixed on the hoof. g<sup>1</sup> is a rivet, and unites the two segments or halves of the shoe in a hinge-joint, E<sup>1</sup>.

Fig. 2, A<sup>2</sup> A<sup>2</sup> are the segments; B<sup>2</sup> B<sup>2</sup> B<sup>2</sup> B<sup>2</sup>,

the holders; D<sup>2</sup> D<sup>2</sup> D<sup>2</sup> D<sup>2</sup>, the calks; E<sup>2</sup>, the hinged joint; F<sup>2</sup>, the screw-bolt, which contracts the heels of the shoes, and secures the shoe to the hoof by means of the holders. g<sup>2</sup> is a rivet, the fulcrum of the joint E<sup>2</sup>.

The within-described horseshoe being constructed in two parts, with holders and calks riveted or welded, as shown and described, and the two parts being connected together in a hinged joint at the toe of the shoe, as also shown and described, the novelty of affixing it to the hoof will be apparent without further specification.

I claim—

The upturned ends C<sup>1</sup> C<sup>1</sup> of the shoe A<sup>1</sup> A<sup>1</sup>, the holders B<sup>1</sup> B<sup>1</sup> B<sup>1</sup> B<sup>1</sup>, the long-faced calks D<sup>1</sup> D<sup>1</sup>, all constructed as set forth, for the purpose specified.

ELISHA M. BUMPUS.

Witnesses:

JAMES RUGGLES,  
JOHN H. THYNG.