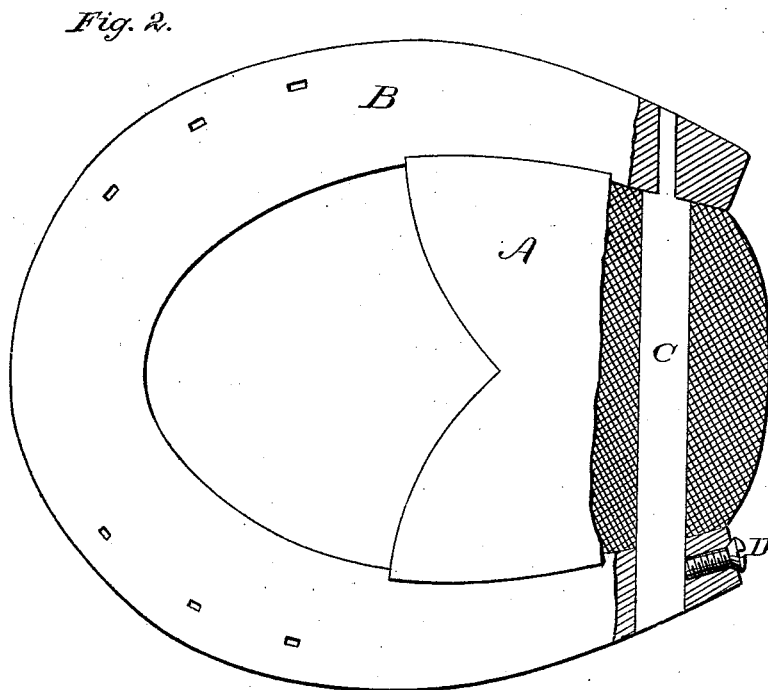
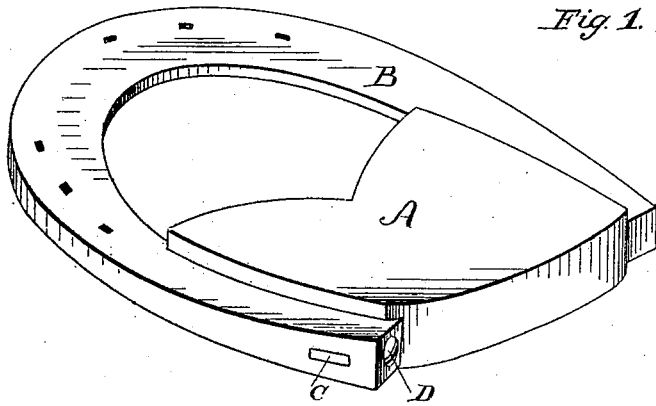


W. LEWIS.  
HORSESHOE.

No. 184,394.

Patented Nov. 14, 1876.



Witnesses:

Clarence Pooler  
N. B. Smith

Inventor:

William Lewis  
By his atty  
R. D. Smith

# UNITED STATES PATENT OFFICE.

WILLIAM LEWIS, OF NEW YORK, N. Y.

## IMPROVEMENT IN HORSESHOES.

Specification forming part of Letters Patent No. **184,394**, dated November 14, 1876; application filed April 5, 1876.

*To all whom it may concern:*

Be it known that I, WILLIAM LEWIS, of New York city, in the county and State of New York, have invented an Improved Mode of Securing an Elastic Frog-Pad in the Heel of a Horseshoe, and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, wherein—

Figure 1 is a perspective view of my improved shoe. Fig. 2 is a plan of the same, partly in horizontal section.

That others may fully understand my improvement, I will more particularly describe it.

An elastic frog-pad, A, has heretofore been inserted in the heel of a horseshoe, B, as a remedy or preventative for various diseases or injuries to which horses, and especially trotters, are liable, but there has hitherto been a practical difficulty in retaining said pad securely in place, and at the same time render it removable, without also removing the shoe. These difficulties are all obviated by my improvement, which consists in a stay-bar, C, inserted through the ends of the heel of the shoe B, and also through the elastic pad A near its rear end, whereby it becomes impossible for said pad to become displaced under any circumstances in which the horse is likely to be placed, or under any action of his feet.

The stay-bar C I prefer to make flat, as shown, and it is kept in place by the pressure of a small set-screw, D, inserted through one end of the heel, as shown, and pressing against the edge of said bar or into a notch in the edge thereof, so that while said screw does its duty, the displacement of said bar or the frog-pad will be impossible, and at the same time the bar and pad may be easily removed independent of the fastenings of the shoe.

Having described my improvement, what I claim is—

1. A horseshoe, B, and elastic frog-pad A, combined with a stay-bar, C, inserted laterally through the heel of said shoe and edgewise through the elastic pad A, for the purpose set forth.

2. A horseshoe, B, elastic frog-pad A, and stay-bar C, inserted laterally through the heel of the said shoe and through the frog-pad, combined with a set-screw, D, inserted in the end of the heel, as shown and described, and for the purpose set forth.

WILLIAM LEWIS.

Witnesses:

DAVID T. WAY,  
THOS. J. WAY.