

P. M. PAPIN.

Horseshoes.

No. 149,332.

Patented April 7, 1874.

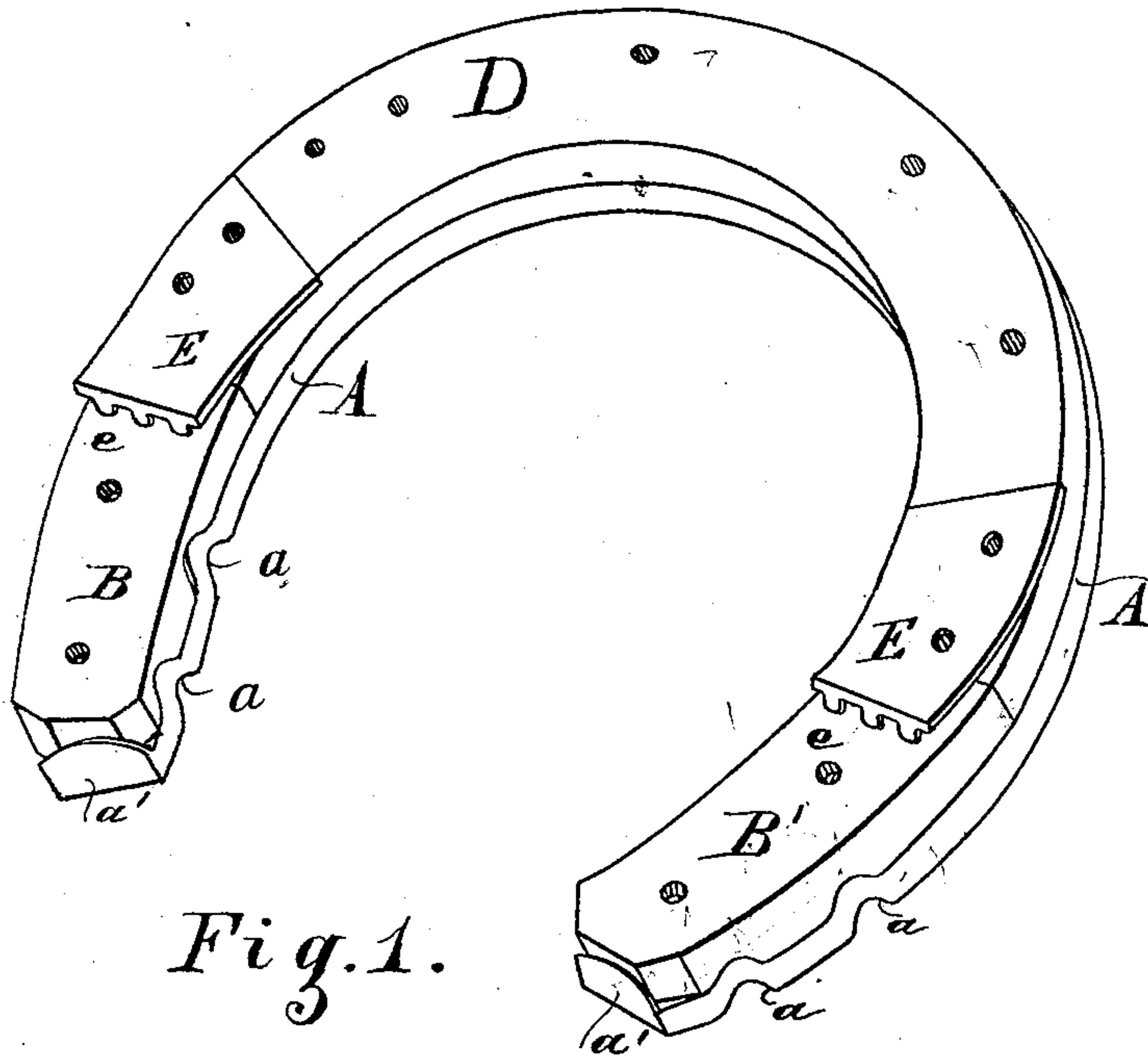


Fig. 1.

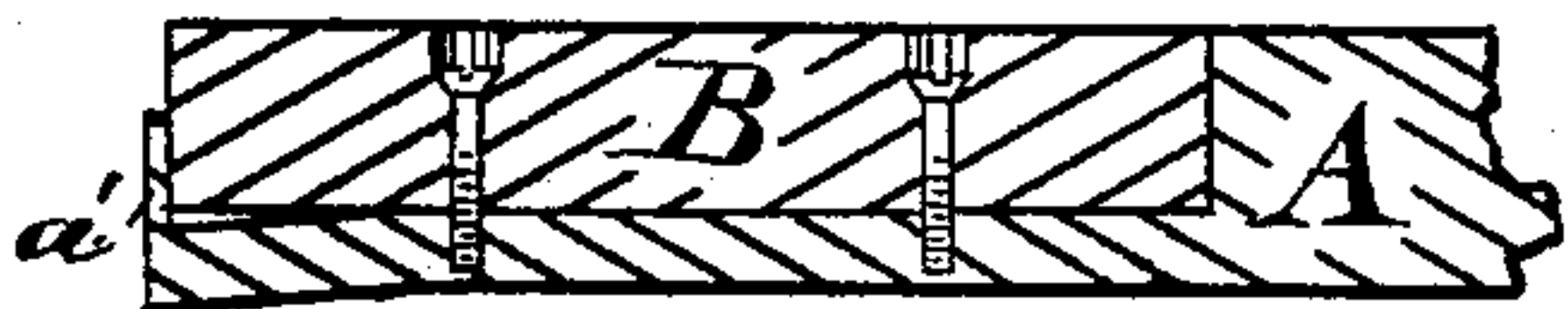


Fig. 2.



Fig. 3.

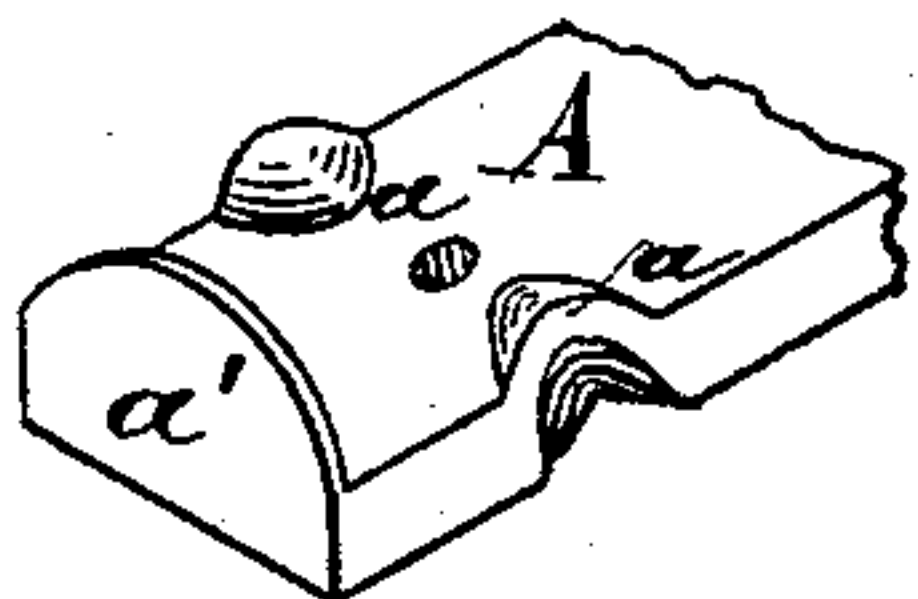


Fig. 4.

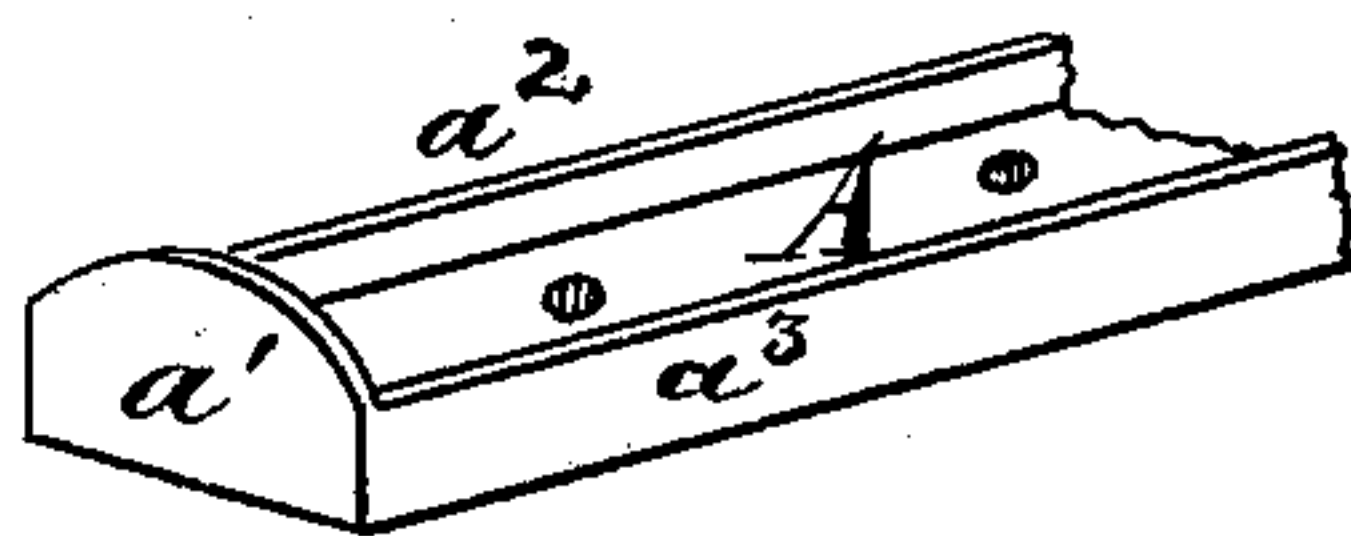


Fig. 5.

Witnesses.

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UNITED STATES PATENT OFFICE.

PETER M. PAPIN, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN HORSESHOES.

Specification forming part of Letters Patent No. **149,332**, dated April 7, 1874; application filed September 22, 1873.

To all whom it may concern:

Be it known that I, PETER M. PAPIN, of St. Louis, Missouri, have invented an Improved Horseshoe, of which the following is a specification:

This invention chiefly consists in the combination of wooden or rubber heel and toe parts with an iron shoe, and as will now more fully appear.

Of the drawing, Figure 1 is a perspective view, showing my improved horseshoe complete. Fig. 2 is an enlarged part sectional elevation of rubber heel part united to heel of metallic shoe. Fig. 3 is the same view, but of a wooden heel part united to metallic shoe, and having a layer between. Fig. 4 is a detail perspective of extreme end of heel part of the shoe proper. Fig. 5 is also a detail perspective of same part of shoe proper, slightly modified.

The ordinary metallic shoe A I form to have side clips *a* and end clips *a*¹. (See Figs. 1 and 4.) Said shoe can have the surrounding top edges *a*² *a*³, as shown in Fig. 5, the object of the clips *a* *a*¹ or edges *a*² *a*³ being for the purpose of securing, holding, and preventing from play the rubber heel parts B B', the rubber heel parts B B' being for the purpose of protecting from chafing or frictional action the heel or tenderest part of the hoof of the animal. Said rubber heel parts B B' I secure to the bearing top of the shoe A by screws or fastening devices, which should be countersunk so as not to come in contact with the hoof. A yielding and comforting action to the movements of the animal's hoof or heels is thus

imparted by the rubber parts B B', and otherwise the heel parts of the hoof of animals are kept healthy and sound. Instead of the rubber parts B B', said parts can consist of wooden parts C, with a layer of some flexible material, such as rubber, leather, and the like, placed between the parts C and top of the shoe A, as shown in Fig. 3; also, said parts can readily be secured together by fastening devices, as nails or screws. The direct bearing of the hoof of the animal upon the top of shoe A is thus similarly prevented. The toe part of shoe A I provide with a toe counterpart, D, also of wood or rubber, as shown in Fig. 1. The toe part D extends from the heel parts B B' completely round toe part of shoe A, and can be secured to the latter in the same manner as the heel parts aforesaid. A further joint connection of the toe part D and the heel parts B B' is made by a socket-plate, E. The socket-plate E I form with spurs *e*, fitted to gripe at one end in the heel parts B B', its other end being fastened by the fastening devices that unite the toe part to shoe A.

What I claim is—

An improved horseshoe, consisting of the heel parts B B' and toe part D and plates E, combined with a shoe, A, all constructed as herein shown and described.

In testimony of said invention I have hereunto set my hand in presence of witnesses.

PETER M. PAPIN.

Witnesses:

WILLIAM W. HERTHEL,
CHAS. MEISNER.