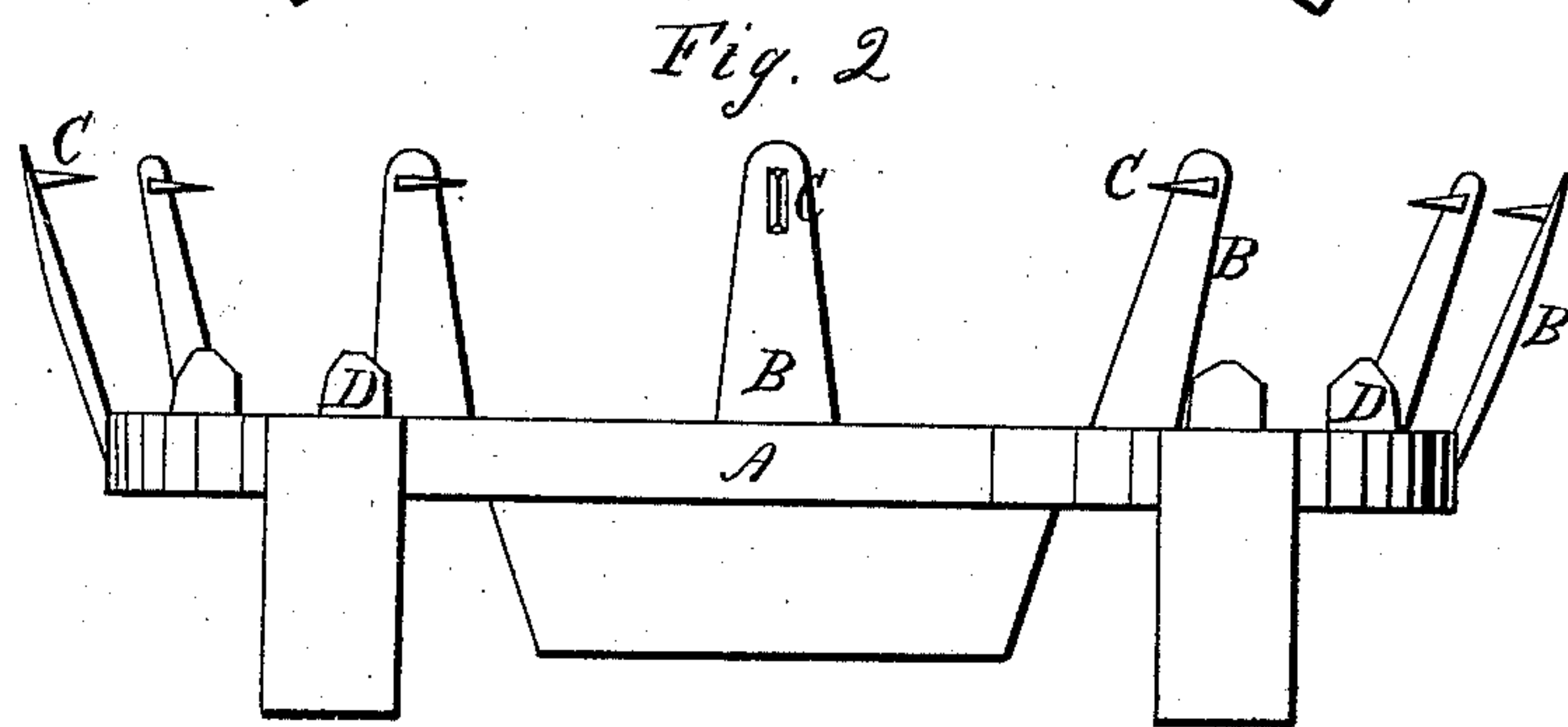
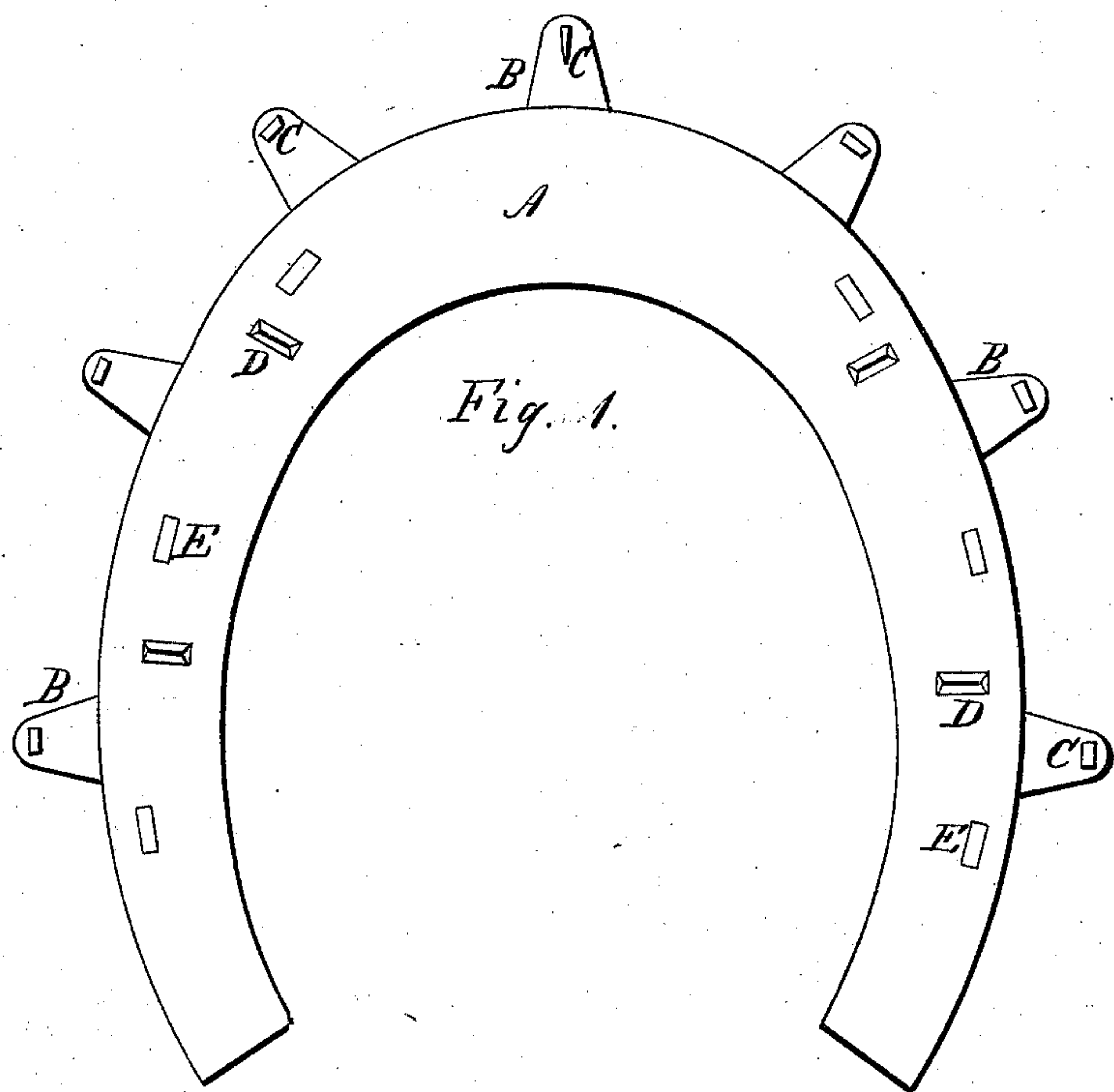


B. Ladd,
Horseshoe.
N^o 81,796. Patented Sep. 1, 1868.



Witnesses;
J. M. Dennis
Thos. A. Connolly

Inventor;
Benjamin Ladd
By his Atty. J. Dennis Jr

United States Patent Office.

BENJAMIN LADD. OF OTTUMWA, IOWA.

Letters Patent No. 81,796, dated September 1, 1868.

IMPROVEMENT IN HORSE-SHOES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, BENJAMIN LADD, of Ottumwa, Wapello county, State of Iowa, have invented certain new and useful Improvements in Horse-Shoes; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

The nature of my invention and improvements consists in providing a horse-shoe with clips, to fasten it to the hoof, so arranged that the inner face of the clip, where it joins the shoe, shall be in a line with or even with the outer edge of the top face of the shoe; also, in combining with the clips, so arranged, two or more spurs upon the top face of the shoe, and in combining with clips two or more nail-holes through each side of the shoe.

In the following description of my improvements, I refer to the accompanying drawings, forming part of this specification—

Figure 1 being a plan, and

Figure 2 an elevation of my improved horse-shoe

The shoe A has the clips B B arranged around the sides and front, extending about one inch in height above the top of the shoe, and provided with spurs, C C, projecting from the inside, near the top.

The clips B B are so arranged on the shoe that the inner face of each clip, where it joins the top face of the shoe, may coincide or be even with the outer edge of the face of the shoe, so that the hoof may be made to fit and cover the whole face of the shoe, without any cuts or indentations being required in it to receive the clips.

The better to secure the hoof in place, and prevent its moving or slipping upon the shoe, two or more spurs, D D, are formed upon the top face of the shoe, to penetrate the hoof when the shoe is applied to it.

My improved shoe may be made of wrought iron or of malleable cast iron. I prefer the latter, as being both cheaper and more durable.

To apply the shoe, the hoof should first be trimmed, and shaped to fit the face of a shoe of a suitable size for it, and the toe of the shoe being first applied to the toe of the hoof, the spurs on the face of the shoe should be driven into the bottom of the hoof by striking the bottom of the shoe with a light hammer. The foot should then be put down, and the opposite foot taken up, to throw greater weight upon the shoe, when the clips may be bent up to the hoof, and the spurs thereon driven into it.

I make two or more nail-holes, E E, in each side of the shoe, in order that in case the clips, or some of them, should get broken off before the shoe is worn out, or if for any other reason it should be desirable, the shoe may be fastened on with nails, and the use of it saved.

I do not claim broadly fastening shoes to horses' feet by means of clips, as they were well known prior to my invention; neither do I claim clips made with their outer sides even with the edge of the shoe, so as to require notches to be cut in the edge of the hoof to receive the clips, as described in Warren Hind's patent, No. 76,449; but

What I claim as my invention and improvement in the above-described horse-shoe is—

1. Making the inside face of the clip, where it joins the top face of the shoe, in a line with or even with the outer edge of said top face, substantially as described.

2. In combination with clips arranged as above claimed, I claim one or more spurs on the top of the shoe, substantially as described.

3. The shoe, as above described, provided with nail-holes, as a means of fastening it on, if the clips, or some of them, get broken off.

BENJAMIN LADD.

Witnesses:

H. P. GRAVES,

W. A. MCGREW.