

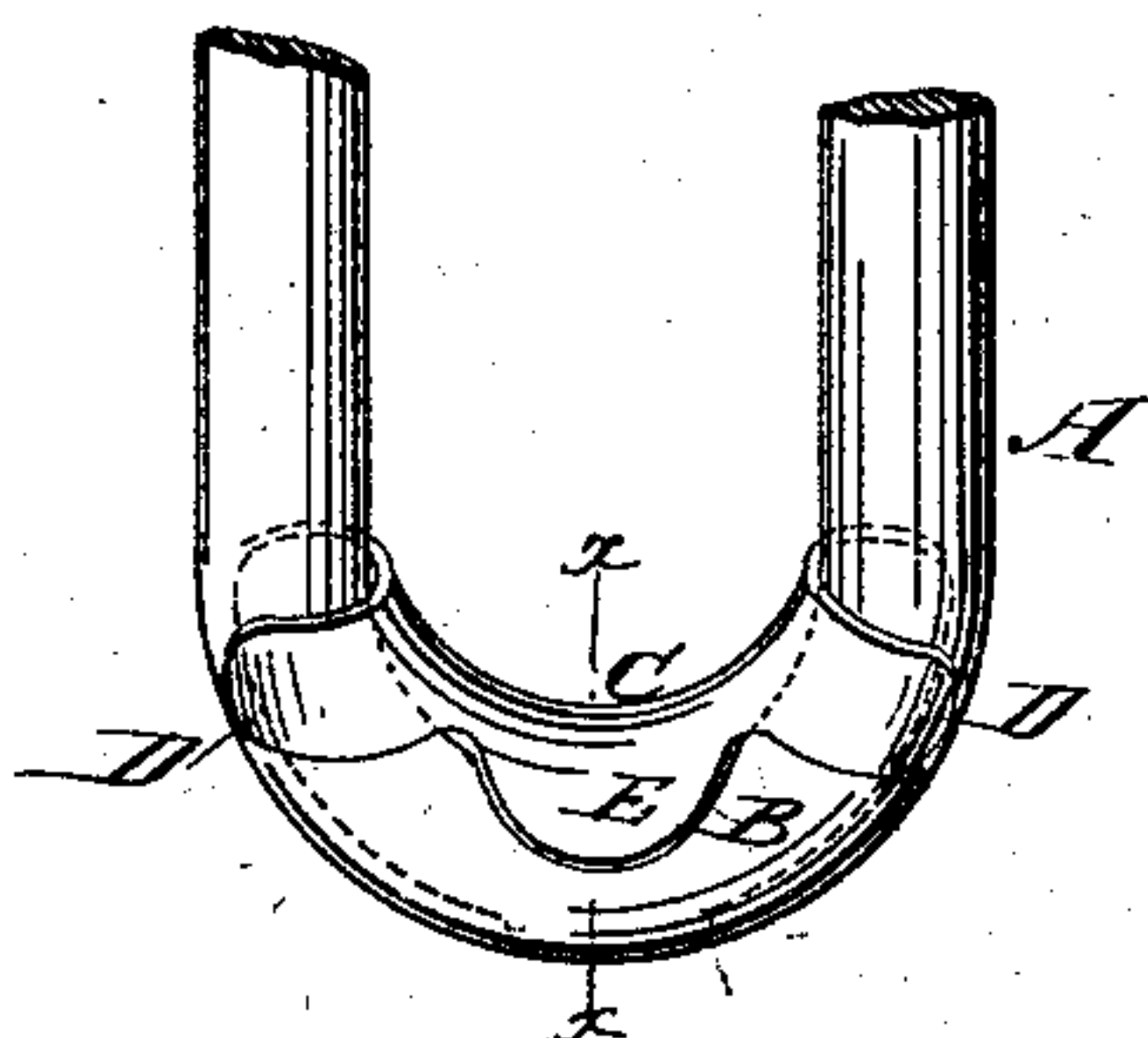
(No Model.)

J. H. PHILPOTT.  
WEAR CLIP FOR HARNESS IRONS.

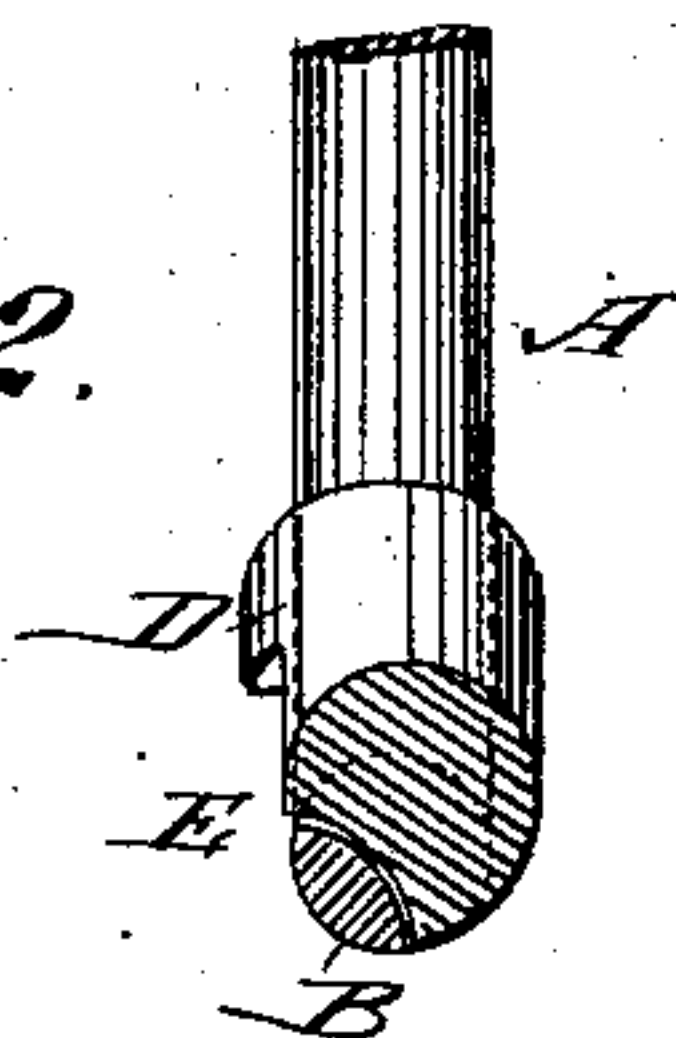
No. 259,913.

Patented June 20, 1882.

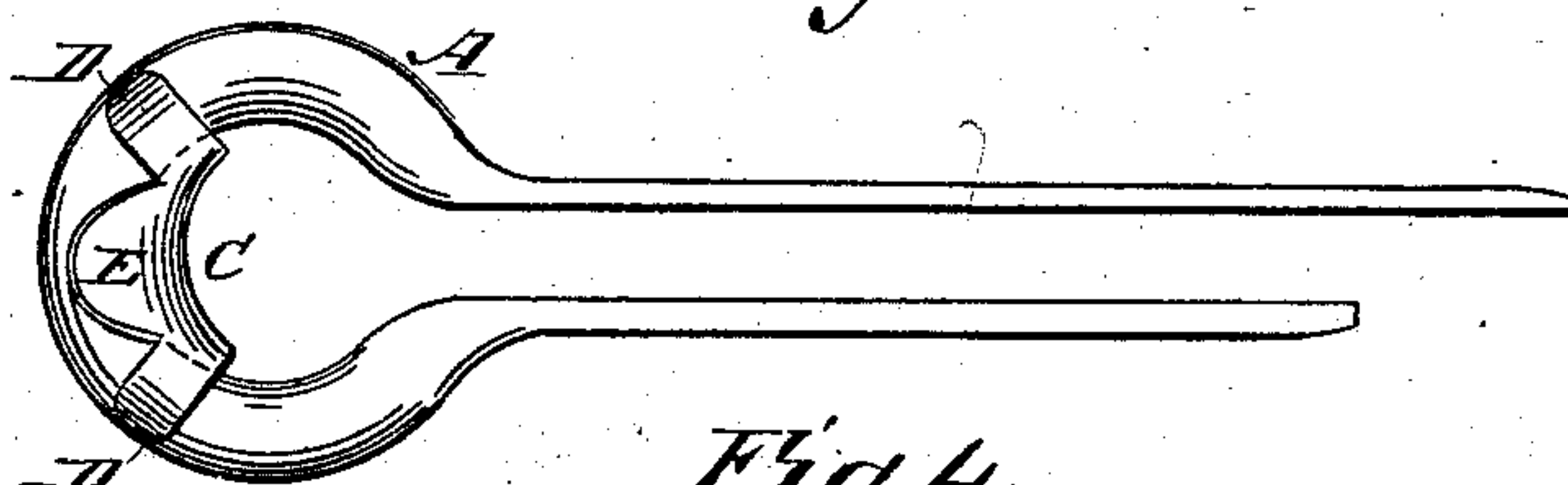
*Fig. 1*



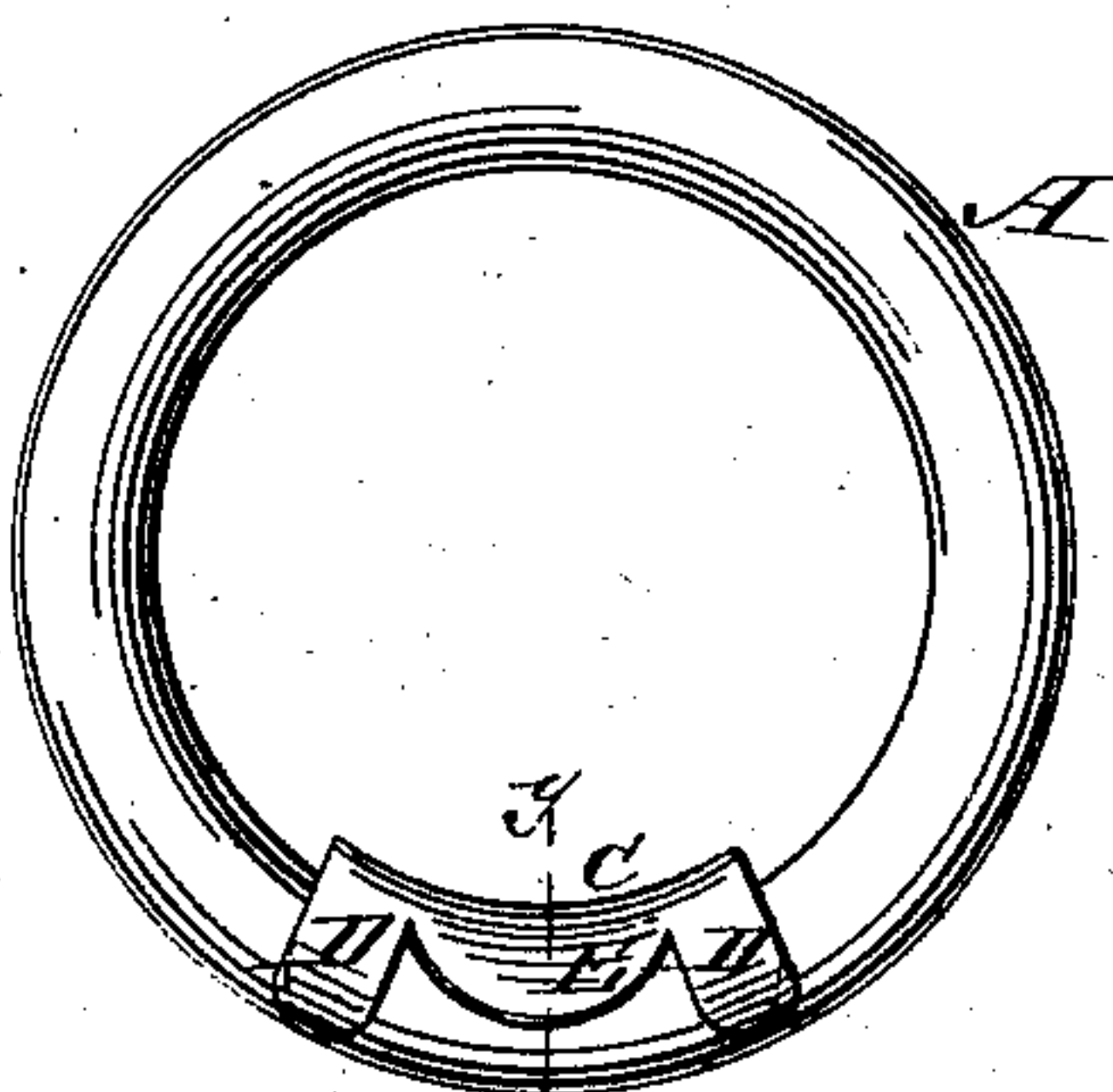
*Fig. 2.*



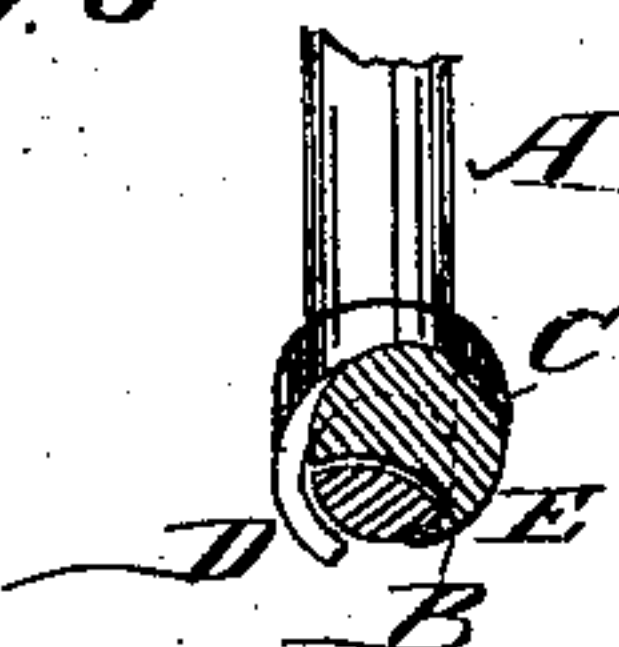
*Fig. 3.*



*Fig. 4*



*Fig. 5*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JAMES H. PHILPOTT, OF RISING CITY, NEBRASKA, ASSIGNOR OF ONE-FOURTH TO HENRY REINHEIMER, OF SAME PLACE.

## WEAR-CLIP FOR HARNESS-IRONS.

SPECIFICATION forming part of Letters Patent No. 259,913, dated June 20, 1882.

Application filed April 19, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES HENRY PHILPOTT, of Rising City, in the county of Butler and State of Nebraska, have invented a new and Improved Wear-Clip for Harness-Irons, of which the following is a full, clear, and exact description.

My invention consists of wear-clips for the repair of hame-staples, cockeyes, rings, and other irons of harnesses subject to the wear of other irons connected to them, and making deep notches that damage the iron in the wearing part only, and frequently cutting through the iron while all the rest is uninjured. The said clips consist of malleable iron or other metal pieces made in suitable shape to apply to the ring, cockeye, or other iron, filling the notch and taking the wear off from the worn iron, the said pieces being made in different shapes, conforming to the shape of the iron to be repaired and having clips to fasten thereto by bending them around the irons with a hammer, all as hereinafter more fully described.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view of a portion of a worn hame-staple re-enforced with a wear-clip as I propose. Fig. 2 is a section of Fig. 1 on line *x x*. Fig. 3 is a side view of a tug-eye also re-enforced with a wear-clip. Fig. 4 is a side view of a ring similarly repaired. Fig. 5 is a section of Fig. 4 on line *y y*.

A represents a hame-staple, tug-eye, ring, cockeye, hame-clip, or any other harness or other iron subject to be worn or cut in a deep notch, B, in any one place by any other staple, eye, clip or other iron connected with it, which is a common difficulty with harness, the said staples or other devices being uninjured in all other parts when rendered worthless by such notch. Some of the parts—as hame-staples—are quite difficult to remove when thus spoiled, so that besides saving the cost of the irons, it is also desirable to avoid the labor and

cost of removing and replacing them. I therefore propose to cast, stamp, or otherwise form wear-clips C of suitable form to apply to the worn iron with a part, E, fitting the notch as nearly as may be, said part C taking the wear, so as to relieve the iron of further wear, the said clips being made in different forms for the different kinds of irons, but being alike in respect of taking the wear from the iron to which they are applied and of having clip-wings or ears D by which to fasten them to the iron to which they are to be attached. It is not necessary that the parts E of the said wear-clips designed to fit on the worn notches fit very well therein, but only to get support for sustaining the strain upon the part C. Said parts E will be made large enough to be fitted to suit the notch of the place to be repaired, or the clips may be made to differ in form and size from the part E, and from such clips suitable ones may be selected for the case in hand. As all the parts of the harness subject to this kind of wear are concave in the part where the notch wears, it will be seen that it only requires a short piece of similar concave form and extending a short distance each way from the wearing place and having suitable attaching-clips to be readily secured as I propose, the form of the other side of the piece being of course adapted to the form of the ring or staple to which it is to be applied.

The said wear-clips may be struck-up in drop-hammer or other dies, dies being made for each special form of wear-clip, or they may be cast in malleable iron or steel, as preferred.

It will be seen that with these improved wear-clips the rings, staples, and other irons may be repaired very quickly and cheaply and as often as may be desired.

Although herein specially described in their application to harness-irons, it will be understood that my improved wear-clips are adapted for use with staples, clips, rings, clevises, hooks, links, &c., employed in any way where continued strains have worn grooves in the metal, as above described.

Having thus fully described my invention,



I claim as new and desire to secure by Letters Patent—

1. An improved wear-clip for rings, staples, cockeyes, and other harness-irons adapted to  
5 fit the worn portion of the said irons and to be secured thereto, substantially as herein shown and described, and for the purpose set forth.

2. A wear-clip consisting of wear-iron C, filling-piece E, and attaching ear or wing clips D, constructed and arranged substantially as herein shown and described.

JAMES H. PHILPOTT.

Witnesses:

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