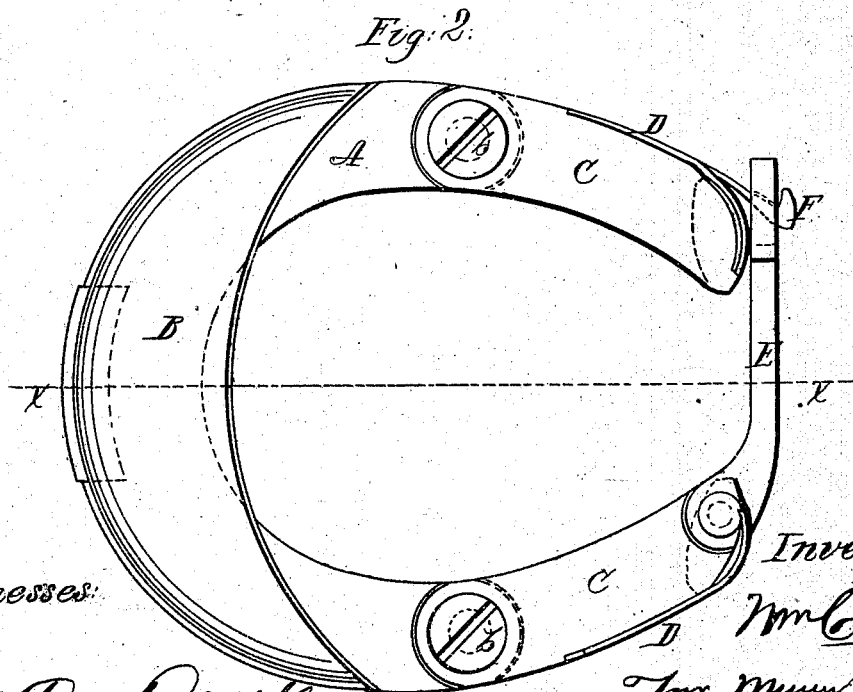
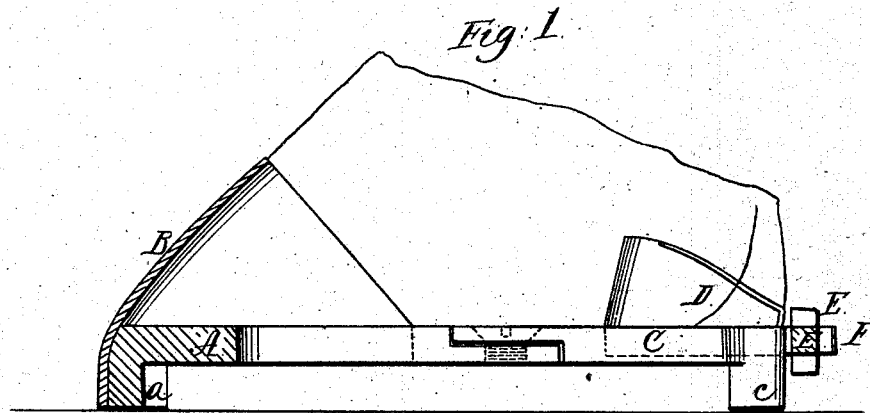


W. Coes,
Horseshoe.
N^o 47,397. Patented Apr 25, 1865.



Witnesses:

Mr. Dean Overell
Thos. Tush

Inventor:

Wm Coes
For himself
attorneys

UNITED STATES PATENT OFFICE.

WILLIAM COES, OF WORCESTER, MASSACHUSETTS.

HORSESHOE.

Specification forming part of Letters Patent No. 47,397, dated April 25, 1865.

To all whom it may concern:

Be it known that I, WILLIAM COES, of Worcester, in the county of Worcester and State of Massachusetts, have invented a new and Improved Horseshoe; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical central section of my invention, taken in the line *x x*, Fig. 2; Fig. 2, a plan or top view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and improved horseshoe of that class which are secured to the hoof without the aid of nails, so that they may be removed from and secured to the hoof at any time without the services of a smith or shoer.

The invention consists in constructing the shoe with a toe-piece or cap to fit over the front part of the hoof, and having the shoe jointed at its sides, and the rear parts of the latter provided with lips and a catch or fastening, all arranged as hereinafter fully shown and described, whereby it is believed that a shoe of the class specified is obtained which possesses advantages over those previously devised.

A represents the front part of my improved horseshoe, which part extends around the front part of the hoof, and is about of semicircular form, its ends extending about to the center of each side of the hoof. This front part, A, has a toe-piece or cap, B, attached to it, and the latter is of such a form and of such dimensions as to fit over the front part of the hoof and to extend upward, say, one-third the height of the same, the ends of B extending back nearly to the ends of A, said part A being simply a flat bar of iron or steel bent in the form specified, and having a calk, *a*, at its

front or central portion. The rear ends of the part A of the shoe are connected by pivots *b b* to side bars, C C, which extend to the rear of the hoof at each side of the same, the bars C C and ends of A being halved together where the pivots *b* pass through, to form substantial joints and cause the under surfaces of A and C C to be in the same plane, or "flush" with each other, as will be understood by referring to Fig. 1. The rear ends of the bars C C are provided with calks *c* at their under sides, and the upper sides of said bars at their rear ends are provided with lips D, to form bearing-pieces for the rear portion of the hoofs. To the rear end of one of the bars C there is attached by a pivot, *d*, a rod, E, the outer end of which has an opening in it to receive a spring-catch, F, which is attached to the other bar C. The rod E and catch F form a fastening at the back part of the shoe to hold the bars C C, or prevent them from spreading apart, and thereby keep the lips D D snugly in contact with the rear of the hoof, and consequently keep the shoe firmly attached to the hoof, the toe-piece or cap B of course not being allowed to slip off when the bars C C and lips D D are thus retained or held in position.

The whole arrangement is extremely simple and efficient, may be manufactured at a reasonable cost, and renders the shoe capable of being applied to and detached from the hoof with the greatest facility, and without the aid of a smith or shoer.

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

The bars A C C, connected by joints and provided, respectively, with a toe-piece or cap, B, and lips D D, and the bars C C, connected or secured by a suitable catch or fastening, substantially as and for the purpose herein set forth.

WILLIAM COES.

Witnesses:

I. W. TOURTELLOTTÉ,
SIMEON CLAPP.