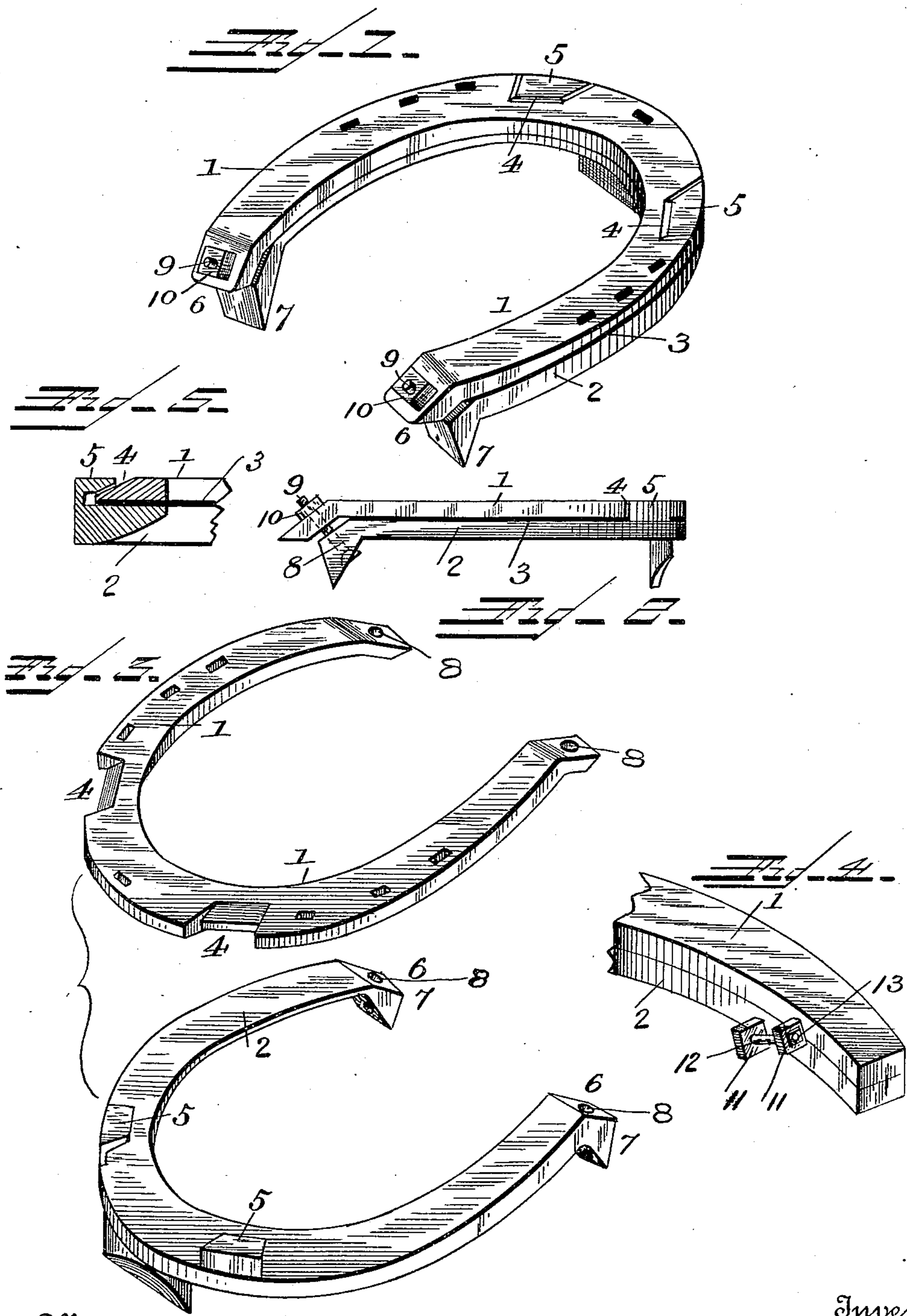


(No Model.)

O. L. LEACH.
COMPOUND HORSESHOE.

No. 547,017.

Patented Oct. 1, 1895.



Witnesses
H. L. Cyraud
A. B. Suit.

Inventor
Orrille L. Leach.
By N. Bevilacqua Attorney

UNITED STATES PATENT OFFICE.

ORVILLE L. LEACH, OF PROVIDENCE, RHODE ISLAND.

COMPOUND HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 547,017, dated October 1, 1895.

Application filed June 5, 1895. Serial No. 551,799. (No model.)

To all whom it may concern:

Be it known that I, ORVILLE L. LEACH, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Horseshoes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to horseshoes and is designed as an improvement on the horseshoe shown and described in my application for patent filed January 18, 1895, Serial No. 535,317.

The object of my invention is to provide a two-part shoe with an interposed yielding or elastic filling and means for connecting the parts together, which means shall be of such construction that the lower half of the shoe will be drawn rearward and upward, so as to more effectively lock the parts together.

With these objects in view the invention consists of certain features of construction and combination of parts, which will be hereinafter fully set forth.

In the accompanying drawings, Figure 1 is a perspective view of my improved shoe. Fig. 2 is a side view of the same. Fig. 3 is a perspective view of the parts separated. Fig. 4 is a perspective view of another form of my invention. Fig. 5 is a sectional view taken through the toe of the shoe through the recess and ear at one side.

In the drawings, 1 denotes the upper half of the shoe, which is adapted to be secured in the usual manner to the hoof of the animal, 2 the lower or tread half, and 3 the interposed yielding or elastic filling. The toe of the upper half of the shoe is provided with an inclined recess 4, which is engaged by a correspondingly-inclined ear 5. The heels of each section of the shoe are bent downward, as shown at 6, to form calks 7, which are provided with registering oblique apertures 8. Bolts 9 are inserted through these apertures, and nuts 10 are screwed upon the ends of the bolt.

The upper half or section of the shoe is permanently secured to the hoof, and the lower section is now fitted on the upper section.

The bolts are passed through the heel-calks, and by screwing up the nuts the lower section will be drawn upward and rearward, thus securely clamping the parts together and the elastic filling between the same.

Should, in the course of time, the filling become somewhat compressed and thus lose its function and cause the lower half of the shoe to become loose and rattle, by tightening the nuts the wear or compression of the filling will be compensated for and the parts be securely fastened.

From the foregoing description, taken in connection with the accompanying drawings, the construction and advantages of my invention will be apparent.

The construction described is my preferred form; but I desire it to be distinctly understood that I do not wish to be limited thereto, as I contemplate the manufacture of the shoes in various forms. For instance, as shown in Fig. 4, I provide on the inner side of each section of the shoe, near its heel, overlapping lips 11, the lips of one section being arranged in advance of those of the other section and formed with registering oblique openings, through which are passed the bolts 12, having nuts 13. In tightening the nuts 13 the lower section of the shoe will be drawn rearward and upward in the same manner as hereinbefore described. Other means may be provided for drawing the lower section upward and rearward, which is the gist of my present invention, and therefore I do not wish to be restricted to the means herein shown and described.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination of a horseshoe, composed of two sections and an interposed elastic filling and means for connecting the sections at the toe, and means for drawing the lower section upward and rearward and connecting them at the heel portions or points rear of the toe, substantially as set forth.

2. The combination of a horseshoe, composed of two sections and an interposed elastic filling, the toe of one section formed with an inclined recess and the toe of the other section formed with an inclined ear, and

means for drawing the lower section upward and rearward and clamping the parts together, substantially as set forth.

3. The combination of a horseshoe, composed of two sections, having their heels bent downward and provided with oblique apertures, the toe of one section being provided with an inclined recess and the toe of the other section being provided with an inclined ear, of an interposed elastic filling, and bolts

and nuts for drawing the lower section rearward and upward against the interposed filling, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ORVILLE L. LEACH.

Witnesses:

HOWARD A. SANFORD,
EDWARD F. SARGENT.