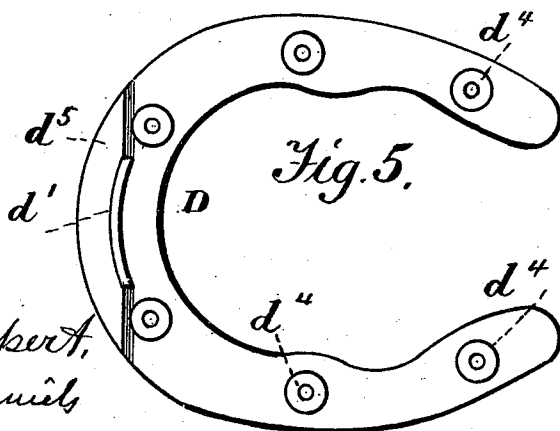
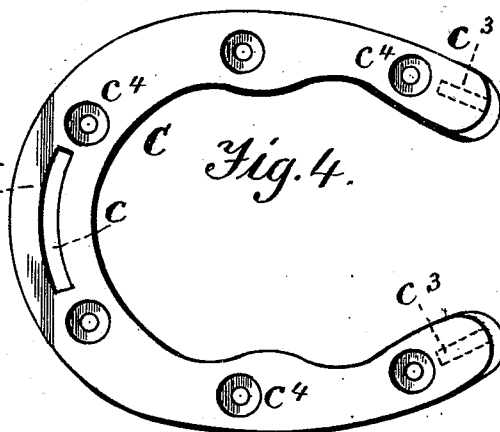
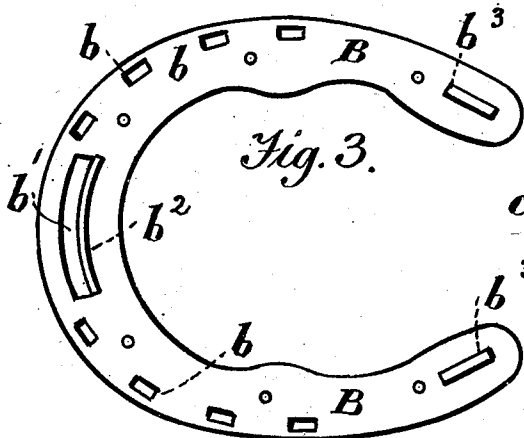
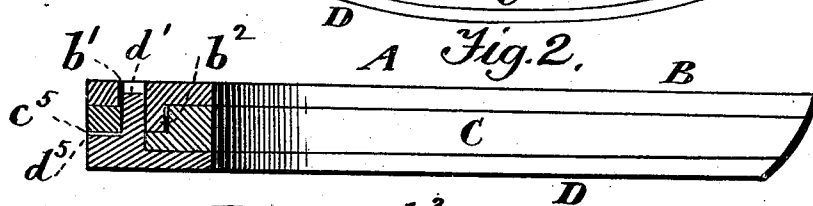
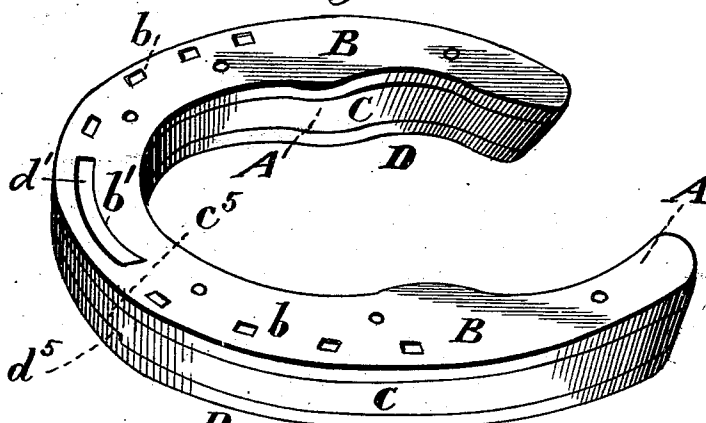


T. N. JONES.
HORSESHOE.

No. 514,934.

Patented Feb. 20, 1894.

Fig. 1.



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Fig. 6.

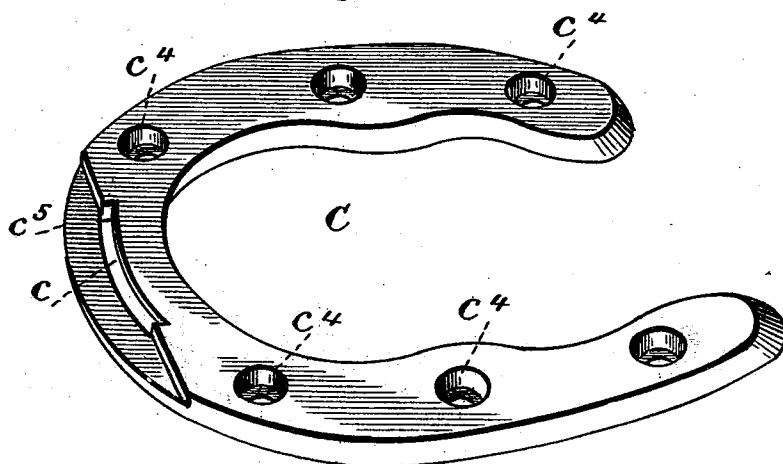


Fig. 7.

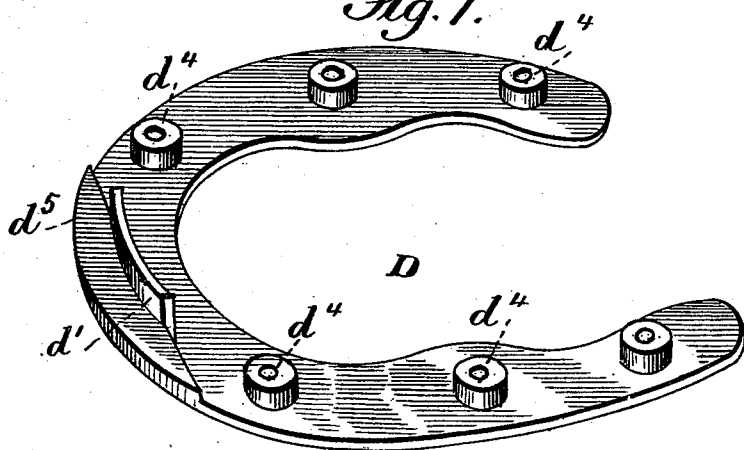
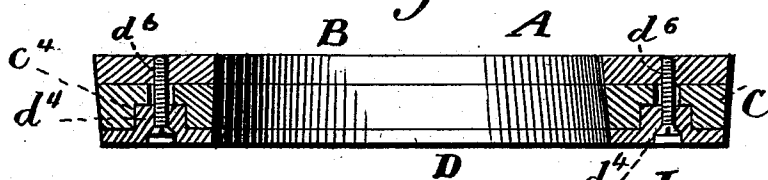


Fig. 8.



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UNITED STATES PATENT OFFICE.

THEODORE N. JONES, OF GREELEY, COLORADO.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 514,934, dated February 20, 1894.

Application filed June 27, 1893. Serial No. 478,941. (No model.)

To all whom it may concern:

Be it known that I, THEODORE N. JONES, a citizen of the United States, residing at Greeley, in the county of Weld and State of Colorado, 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The special object of the invention is to make a horseshoe which shall be elastic and take up the shock of impact upon hard streets or roads, the tread and hoof sections being made of metal, while the third or intermediate section is made of rubber or other elastic material.

Figure 1, of the drawings is a perspective view of my three-part shoe; Fig. 2 a cross section thereof at the toe; Figs. 3, 4, and 5, detail views of the three sections. Fig. 6 is a perspective view of the bottom of the rubber section; Fig. 7 a perspective top view of the tread section, and Fig. 8 a vertical cross-section of the shoe, to show how the sections are screwed together.

In the drawings, A represents the shoe as an entirety, and B, C, D, the respective sections. The hoof section B is made of metal with the usual nail holes b , the toe slot b' , the toe ridge, rib or calk b^2 and the heel ridges b^3 b^3 running longitudinally, and also screw holes in place. The middle rubber or other elastic material section C has a slot c through same at toe large enough in which to receive ridges d' b^2 , also longitudinal slots c^3 c^3 at the heel to receive the ridges b^3 b^3 of hoof section B. The section C has also round holes c^4 in same large and deep enough to receive lugs d^4 of tread section D and balance of way through same at their centers for screws d^5 to pass through.

D, is the tread section which takes the wear of travel and is to be replaced when worn out, or worn to an objectionable extent. The section is made of metal with a toe ridge, rib or

calk d' which extends up through the toe slots b' c and in front of ridge, rib or calk b^2 on section B. This serves the purpose of taking the brunt off the screws when a horse stubs his toe and also to resist any forward or backward displacement of tread D. The section also has round lugs d^4 which fit into holes c^4 in section C. These lugs d^4 are for the purpose of increasing the thickness of metal at their several places, as holes are made through the tread D and lugs d^4 at center of lugs d^4 for screws to pass through and a recess or counter-bore made in tread D for screw heads, the depth of counter-bore sufficient that when the horse's weight comes on the shoe it will not cushion enough to bring the heads of the screws to the surface. The section D is also reinforced with metal at toe d^5 to increase its thickness where the principal wear comes, which fits into a corresponding cavity at the toe of section C. The said cavity being also marked with letter c^5 .

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

1. A horse-shoe made of three sections B, C, and D, the inner and outer being of metal and the middle one of elastic material, the first section B being secured to the hoof by nails, and the other two sections C and D being held to section B by screws passing through, and heads countersunk in section D—through lugs d^4 , on through holes c^4 in C, and terminating in corresponding holes threaded in B, as shown and described.

2. The tread section D having the toe-ridge d' in combination with the sections B and C having respectively the toe slots b' and c through which said ridge passes, to prevent forward or backward displacement of the tread D, as described.

3. The section B having the down flange b^2 , in combination with the section C having a rabbet to receive said flange, and the section D having a calk d' passing through the slots b' and c respectively and in front of said flange, as shown and described.

4. The section B having threaded holes in combination with sections C and D having corresponding holes for screws to pass

through, countersunk in D for heads and terminating in B, thereby connecting the complete shoe, as set forth and described.

5 The tread section D having the lugs d^4 , the hoof section B having holes whose interior walls are threaded and which register with the lugs, the rubber section having holes c^4 , and the connecting screws d^6 whose heads are

countersunk in the section D, all combined as shown and described. 10

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

THEODORE N. JONES.

Witnesses:

E. B. SANBORN,
B. F. TYLER.