John Wagner. Improvement in Horseshoes

PATENTED
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Fig 1.

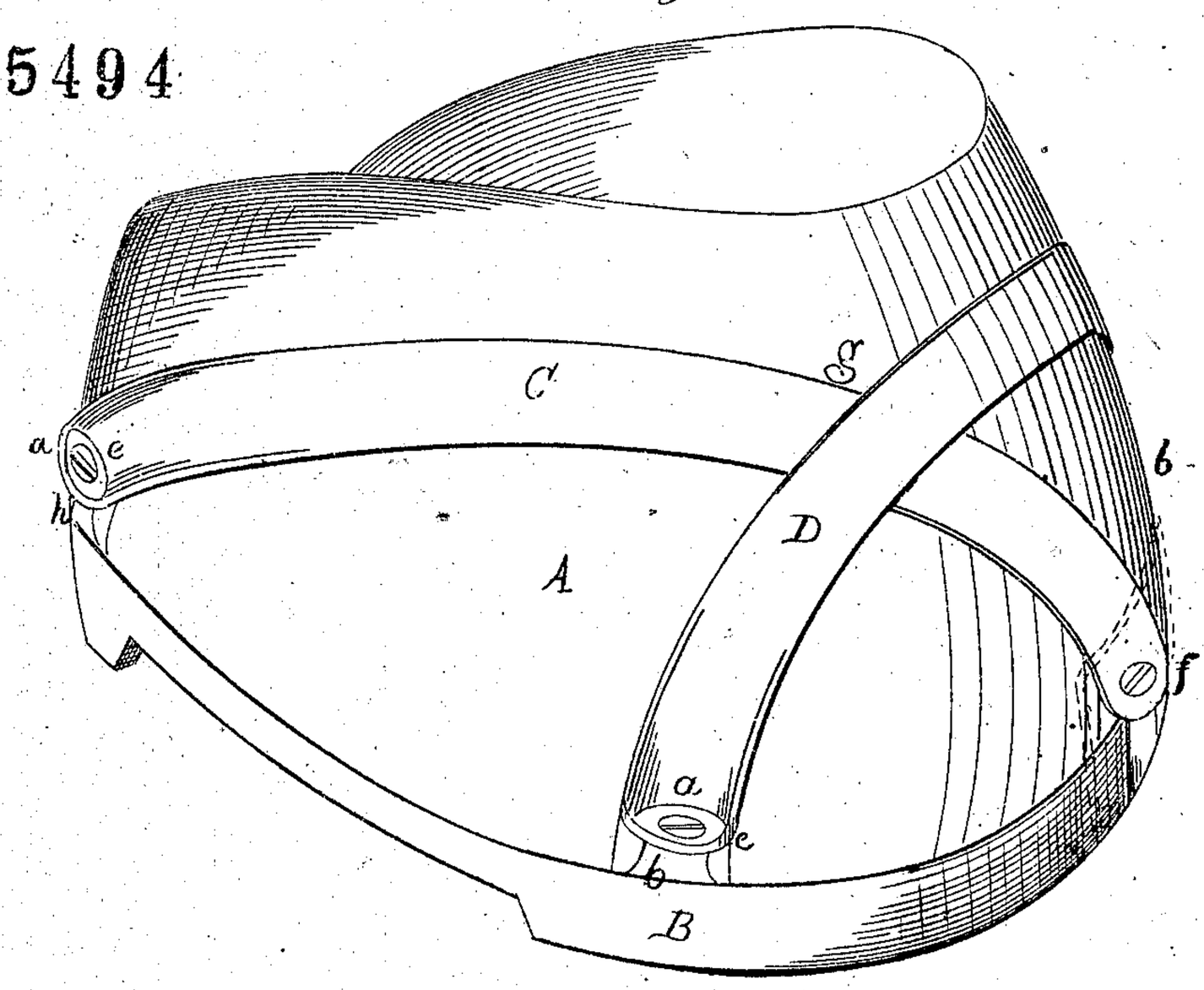


Fig 2.

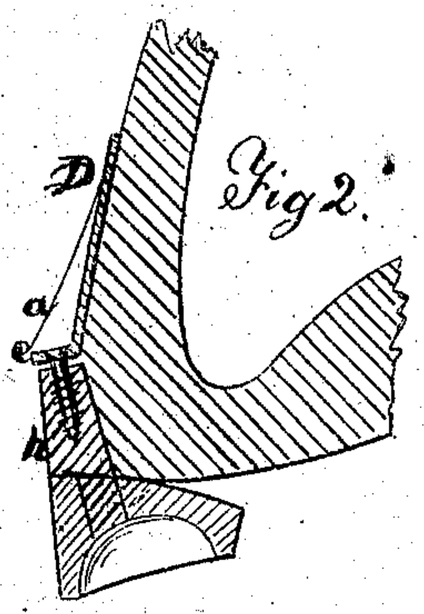


Fig 3.

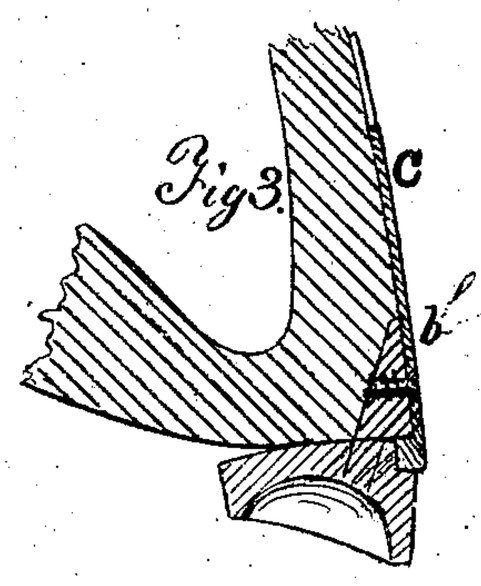
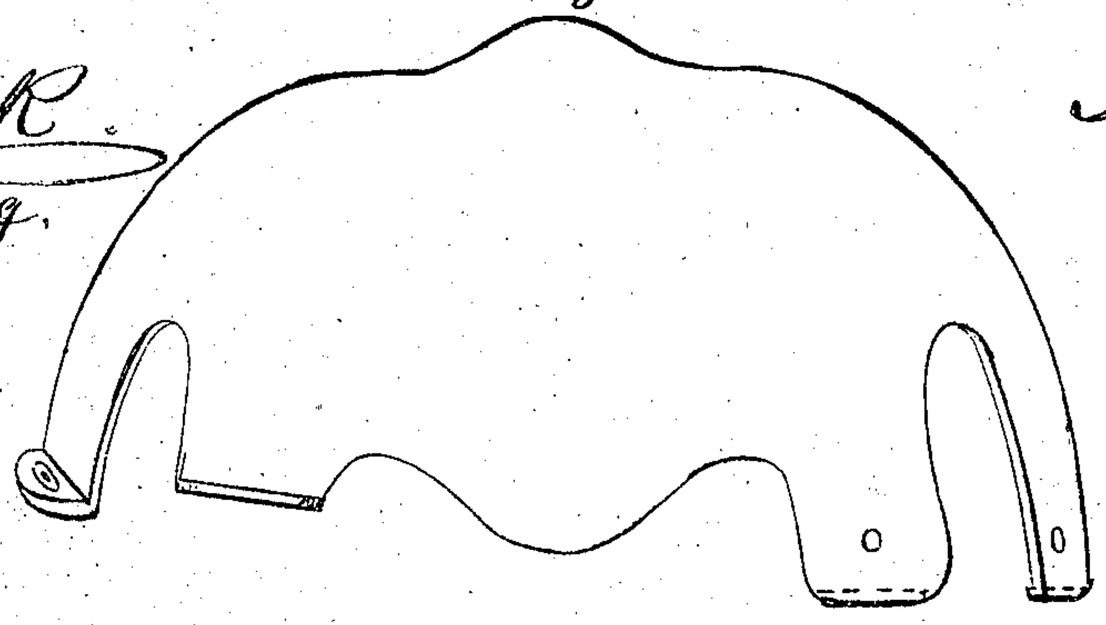


Fig 4.



Witnesses
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JOHN WAGNER, OF WASHINGTON CITY, DISTRICT OF COLUMBIA.

Letters Patent No. 75,494, *dated March* 10, 1868.

IMPROVEMENT IN ATTACHING 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, JOHN WAGNER, of the city and county of Washington, in the District of Columbia, have invented a new and improved Horse-Shoe; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, in which like parts are designated by like letters in the several figures.

The nature of my invention consists in so constructing a horse-shoe, and certain parts connected therewith, that the same can be readily applied to the hoof, or removed therefrom, without the use of ordinary nails.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation. In the drawings—

Figure 1 represents a perspective view of a horse-hoof, with a shoe and the fastenings attached to the same.

Figure 2 is a partial section through hoof, shoe, and attachments at *a*, or outside part.

Figure 3 is a corresponding section at *b*, or on the inside, whilst

Figure 4 is a front view of a single strap or plate, to be applied instead of two others, (as seen in fig. 1,) intended, however, to be applied more especially to split hoofs, but adapted to the same shoe.

As to left hoofs, the sections shown should be reversed, the intention being to keep as far as possible obstructions from the inside, where, by "over-reaching" or otherwise, the hoofs could come in contact with each other.

Fig. 1 represents a "right-hand" hoof, &c., A being the hoof, B a shoe, whilst C and D are metal straps, crossing each other at *g*, and attached at each of their ends to the shoe. Each shoe has on its outer side two lugs, *h*, whilst on the inner side the straps are attached to different ones, flush with the hoof. All these lugs are cast or otherwise made with the shoe. The outer lugs project from the hoof, and the ends of the straps which are secured to the same by screws or rivets, as at *e*, have lips fitting down on the top of the lugs. Recesses are made in the lower outer edges of the hoofs, to receive all the lugs.

The straps on the inside of hoofs are fastened also, by screws or rivets, to their lugs, but so as to be as flush as possible with the hoofs, as seen in fig. 3. These straps can have an additional fastening on the inside by extending them further down, having a dove-tailed lip fitting into a corresponding recess in the shoe, shown at *f*, fig. 1. On the inside of each shoe I propose using a rubber strap or cushion, secured at each end to the inside lugs. The straps may also be so made as to have small points, turned in on the edge, so as to take hold of the hoof, preventing said straps from slipping.

The advantage of my invention, in a measure, consists in the fact that a farrier can shoe a horse whilst the animal is resting his foot on the ground. The recesses for lugs, however, must first be made. The making of these requires the raising of the hoof. Again, any groom can remove shoes and put them on at pleasure.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

Attaching the bands C and D to a horse-shoe, B, in the manner substantially as shown and described, and for the purpose set forth.

JOHN WAGNER.

Witnesses:

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