

H. B. Ferren,

Horseshoe.

No. 215.

Patented Sep. 15, 1868.

Fig. 1.

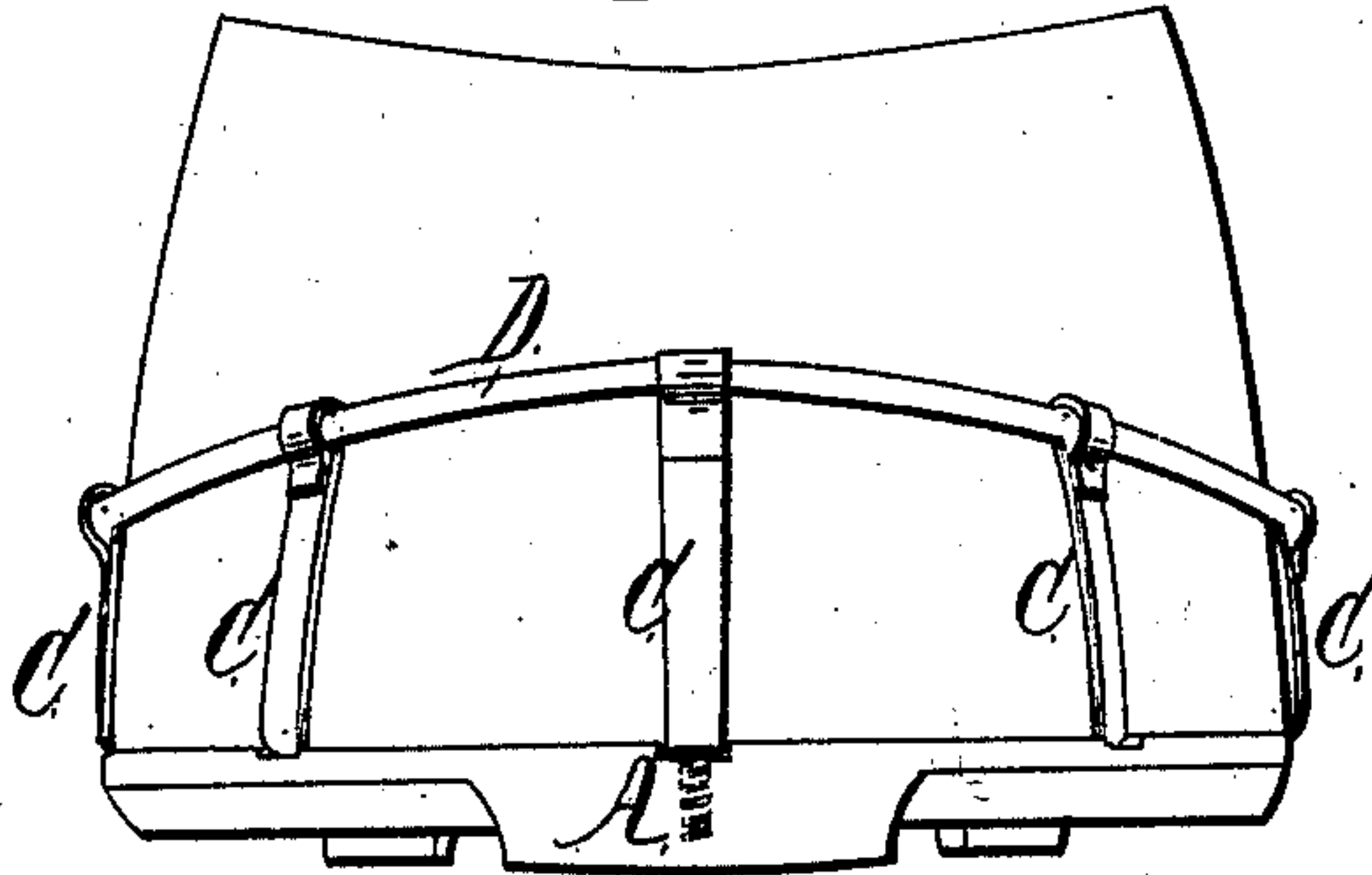
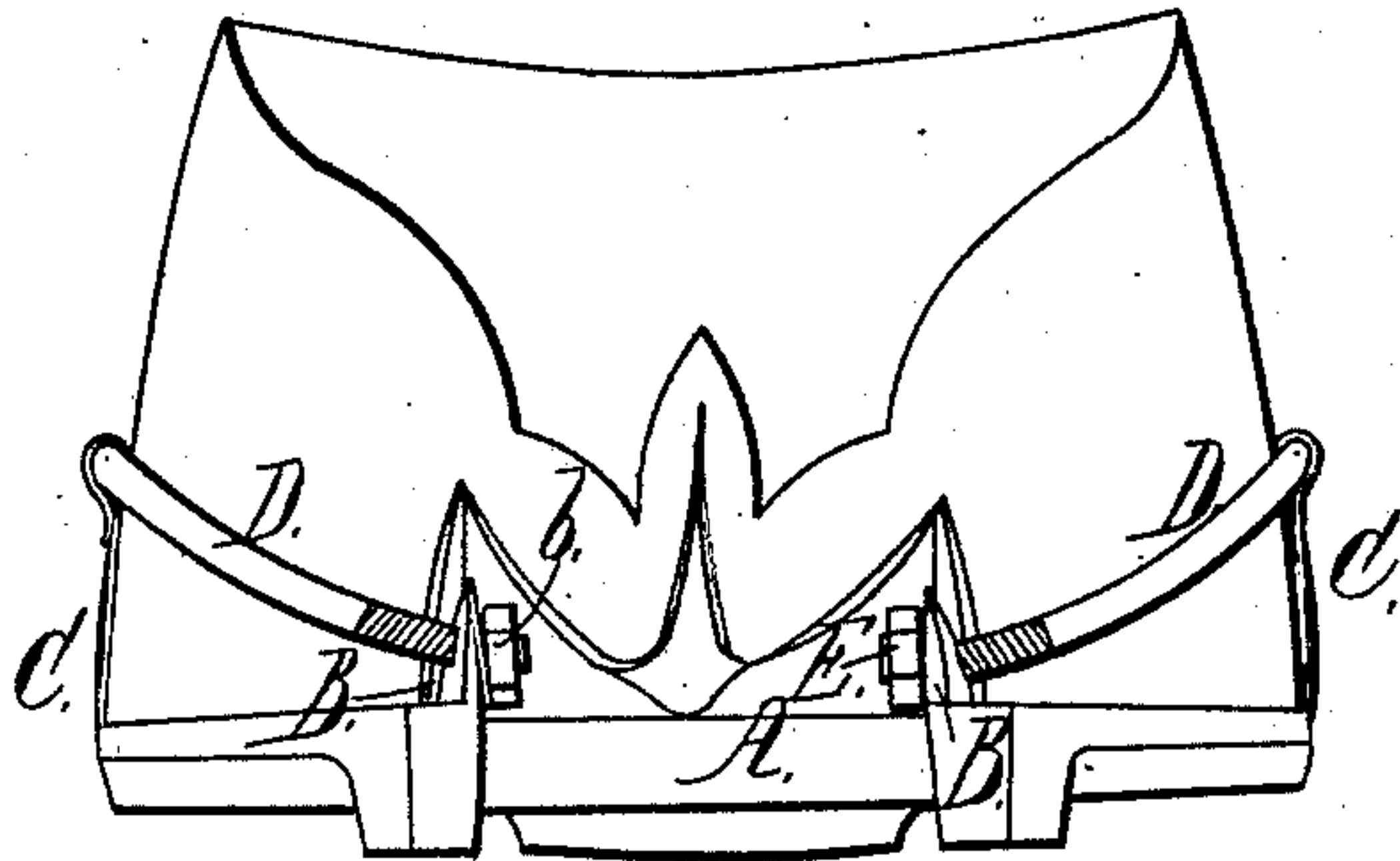


Fig. 2.



Witnesses;

Harry King.

Leopold Durr.

Inventor;

Horace B. Ferren

United States Patent Office.

HORACE B. FERREN, OF BATAVIA, NEW YORK.

Letters Patent No. 82,215, dated September 15, 1868.

IMPROVEMENT IN DEVICE FOR ATTACHING SHOES TO HORSES' FEET.

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, HORACE B. FERREN, of Batavia, in the county of Genesee, and in the State of New York, have invented certain new and useful Improvements in Horse-Shoe Attachment; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the mode of attaching a "Tyrrell" horse-shoe to the horses' foot, by means of one or more spring-bands.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a front view, and

Figure 2 a rear view.

A represents a horse-shoe, which, at the heel, is provided with flanges B B, on the upper side, as shown in fig. 2.

To the outer edge of the top of the shoe is secured a series of bars, C C, which are bent inwards, and form loops at their upper ends.

The bars C C have constructed, upon their lower ends, screws, which fit into corresponding female screws on the upper side of the shoe, and thus may be firmly secured to the same.

Through the loops, at the upper end, a spring-band, D, of steel, brass, or other suitable material, is passed, the ends of which band are provided with screw-threads, and, passing through the flanges B B, are secured on the inner side with nuts E E, by which arrangement the shoe is held firmly to the foot without the use of nail or anything that would be liable to injure the hoof.

When the shoe is to be put on, one of the nuts E E is taken off, and that end of the band, D, is slipped out. The shoe is then put on, and the spring-band pressed against and around the hoof, the open end passing through its flange, B, and the nut E put on, when both nuts are tightened as much as may be necessary.

It will thus be seen that the only fastening, the nuts, are entirely removed from the ground, and cannot be injured or slip off by the horse treading on them.

Instead of having one continuous spring-band, as above described, I may use more than one; for instance, one band secured to the toe of the shoe, and the end thereof fastened to one of the flanges, and another band on the other side, fastened to the other flange, or in any manner substantially the same.

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

1. In combination with a shoe provided with an upward-projecting flange at the heel, as shown in the patent to Tyrrell, one or more spring-bands, D, fastened by nuts, or their equivalents, to said flanges, substantially as set forth.

2. The bars C C, constructed as described, with a screw at the lower end to be inserted in a horse-shoe, and a loop, or its equivalent, at the upper end, for the purpose of holding a band, so that the shoe may be attached to a horse's foot by the same, substantially as herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 25th day of August, 1868.

HORACE B. FERREN.

Witnesses:

LEOPOLD EVERT,

A. A. YEATMAN.