(No Model.)

T. C. EVANS.

HORSESHOE.

No. 293,439. Patented Feb. 12, 1884.

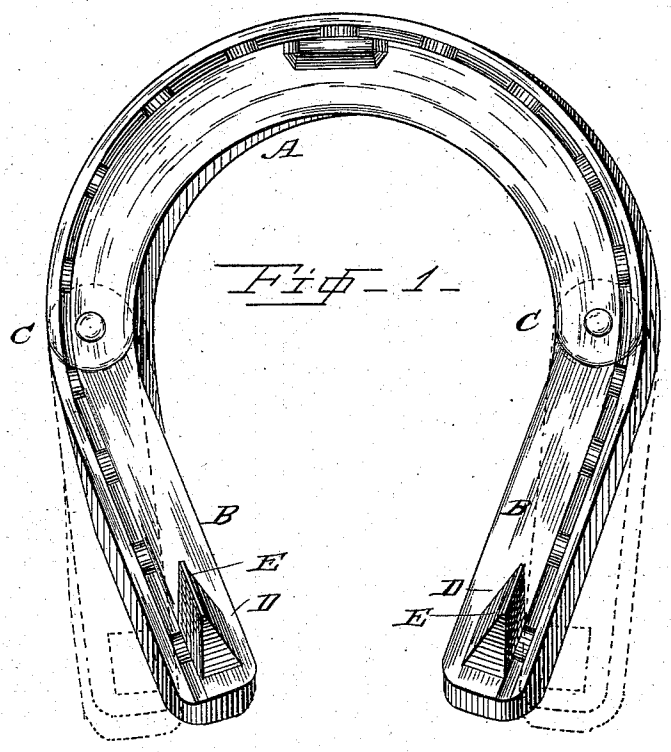


Fig. 1.

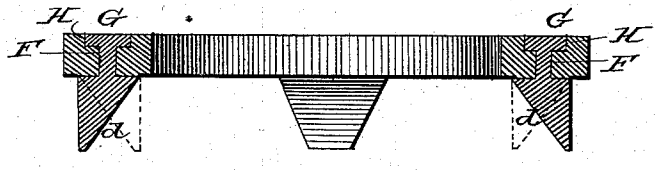


Fig. 2.

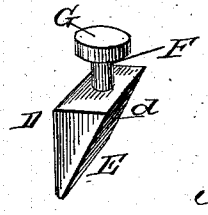


Fig. 3.

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UNITED STATES PATENT OFFICE.

THEODORE C. EVANS, OF LUDINGTON, MICHIGAN.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 293,439, dated February 12, 1884.

Application filed December 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, THEODORE C. EVANS, a citizen of the United States, and a resident of Ludington, in the county of Mason and State of Michigan, have invented certain new and useful Improvements in Horseshoes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved horseshoe from the under side. Fig. 2 is a cross-section through one end of the same and through the movable calks; and Fig. 3 is a perspective view of one of the movable heel-calks detached from the shoe.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to expansible horseshoes, or shoes of that class in which the heel parts are jointed to the toe-piece, so that the heel part of the shoe may be widened or contracted to fit various-sized hoofs; and it consists in the combination, with the jointed heel-pieces, of movable beveled heel-calks, by the adjustment of which the heel of the shoe will be made to automatically expand or contract, according to whether the natural tendency of the hoof is to contract or expand.

In the accompanying drawings, A denotes the toe-piece, and B B the movable heel-pieces, which are jointed to the toe-piece at C C. D are the heel-calks, which are made straight on one side, but beveled on the opposite side, so as to form a wedge-shaped point, E. Each calk is provided with a cylindrical stem or shank, F, having a head, G, which works in a countersunk recess, H, in the heel-piece, so that the head G will be flush with the top of the same. This head, it will be seen, prevents the calk from becoming detached from the shoe, so that the calk may be turned in such a manner as to present its beveled or inclined side *d* either to the inside of the shoe or to the outside. The stem or shank F should be made to fit sufficiently tight in the bore through which it is inserted to prevent the calk from becoming accidentally turned, so that it will remain fixed in the position to which it may be adjusted until this position is purposely changed.

From the foregoing description, taken in connection with the drawings, it will be seen that when the calks are turned into the position shown in Fig. 1—that is, with their beveled or slanting faces or sides *d* facing the outer side—the tendency of these bevels will be to contract the heel by forcing the jointed heel-pieces of the shoe toward each other, and the calks should therefore be adjusted to this position when the shoe is used upon hoofs with a tendency to spread or expand. When, on the other hand, the shoe is used upon a contracted hoof, or a hoof the tendency of which is to contract, the calks are turned by a wrench or other suitable means, so as to have the bevels *d d* facing each other, when these bevels will operate to force the jointed heel-pieces B B apart from one another, thereby counteracting the natural tendency of the hoof to contract.

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

As an improvement in jointed horseshoes, the combination, with the jointed heel-pieces, of movable heel-calks straight on one side, but beveled on the other side and adapted to be turned in their fastenings, so as to have the beveled or inclined side face either the outside of the shoe or the inside, substantially as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

THEODORE C. EVANS.

Witnesses:

A. P. MCCONNELL,

G. H. BLODGETT.