

(No Model.)

C. H. DIX.
HOOF PAD.

No. 576,559.

Patented Feb. 9, 1897.

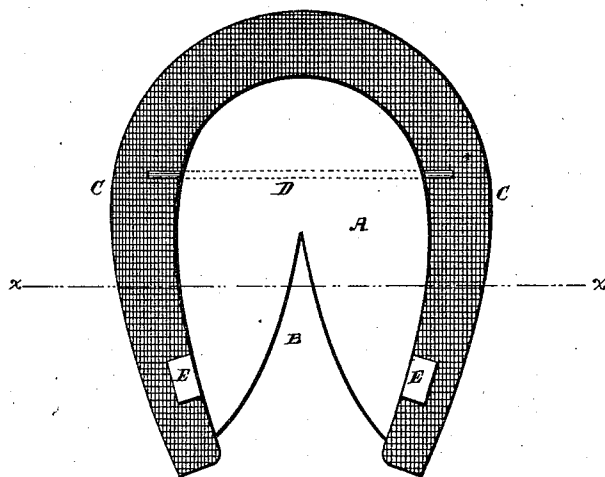


Fig. 1.

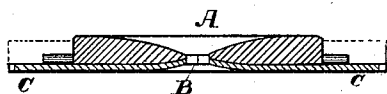


Fig. 2.

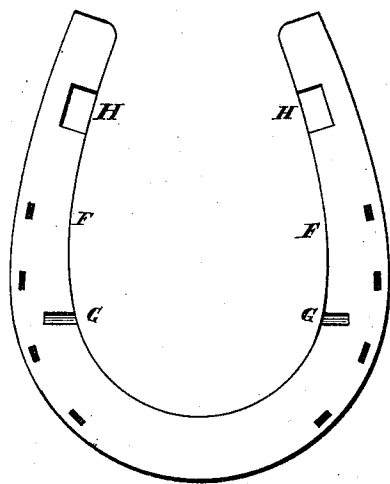


Fig. 3.

Witnesses:

H. F. Fouse
E. West

Inventor:

Charles H. Dix:

by Humphrey Humphrey,
Attys.

UNITED STATES PATENT OFFICE.

CHARLES H. DIX, OF AKRON, OHIO.

HOOF-PAD.

SPECIFICATION forming part of Letters Patent No. 576,559, dated February 9, 1897.

Application filed July 27, 1896. Serial No. 600,625. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. DIX, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented a certain new and useful Improvement in Horses' Hoof-Pads, of which the following is a specification.

My invention has relation to improvements in devices for protecting the bottom of horses' hoofs within the metal shoe from injury or the accumulation of snow, ice, or other foreign substances; and the object of my invention is to provide a flexible pad that shall be interposed between the shoe and the frog of the hoof, that shall be elastic, protect and cover the part, and prevent injury to the foot from bruise or wound by objects that may reach between the hoof and the frog, prevent "balling" from the accumulation of moist snow or other material in the space, and generally to provide an elastic cushion for the hoof while retaining the metallic shoe.

To the aforesaid objects my invention consists in the peculiar and novel construction, arrangement, and combination of parts hereinafter described, and then specifically pointed out in the claims, reference being had to the accompanying drawings, forming a part of this specification.

In the accompanying drawings, in which similar reference-letters indicate like parts in the different views, Figure 1 is a plan of my improved hoof-pad; Fig. 2, a section of the same at the line *xx* of Fig. 1, and Fig. 3 a plan of a horseshoe adapted to be used with my improved pad.

Referring to the drawings, A is a pad of vulcanized rubber of a shape and size to rest within the horseshoe and being cut away in a V-shaped notch to fit about the frog of the hoof. At the line of the shoe this pad slightly exceeds the shoe in thickness, and thence decreases toward the line of the opening B for the frog, the surface being slightly convex. On the under face of this pad A is a layer C, of duck or canvas, cemented or otherwise attached to the pad, that extends beyond the pad sufficiently to form a layer beneath the shoe.

Through the front of and embedded in the pad is a metal rod D, that extends beyond the pad and a part way across the duck, for the purpose of attaching the pad to the hoof,

and near the heel on each side project rubber wings E E for a similar purpose.

In the top or upper face of the shoe F, Fig. 3, are recesses G G to receive the ends of the rod D, and near the heel are recesses H H to receive the wings E E.

In applying my invention various sizes of pads will be constructed to meet the requirements of different hoofs and shoes, and a suitable size having been selected and the hoof having been prepared and trimmed, as for shoeing, the pad is placed in position and the shoe placed on it and fastened to the hoof with nails in the usual manner.

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

1. An improved hoof-pad consisting of vulcanized rubber, conformed to fit the space inside the shoe and about the frog, equal to or exceeding the shoe in thickness at the shoe-line, and thence decreasing toward the frog, with convex surfaces, and having extensions integral with said pad to be clasped between the shoe and hoof, substantially as shown and described.

2. An improved hoof-pad consisting of vulcanized rubber, conformed to fit the space inside the shoe and about the frog; provided with a metallic rod embedded in said pad, and extending transversely in front of the frog, and having its ends projected beyond said pad to enter corresponding indentations in said shoe, and projections to be inserted between the hoof and shoe, substantially as shown and described.

3. The combination with a hoof-pad of vulcanized rubber, adapted to fit within the horseshoe and about the frog, of wing-pieces extending from said pad to rest between the hoof and shoe, a metallic rod embedded transversely in said pad with its extended ends arranged to fit in recesses in said shoe, and a woven fabric cemented to said pad and having its edges extended to be clasped between the shoe and hoof, all constructed and arranged substantially as shown and described.

In testimony that I claim the above I hereunto set my hand.

CHARLES H. DIX.

In presence of—

C. E. HUMPHREY,
C. P. HUMPHREY.