

No. 643,272.

Patented Feb. 13, 1900.

H. PAAR.
CUSHION HORSESHOE.

(Application filed Nov. 6, 1899.)

(No Model.)

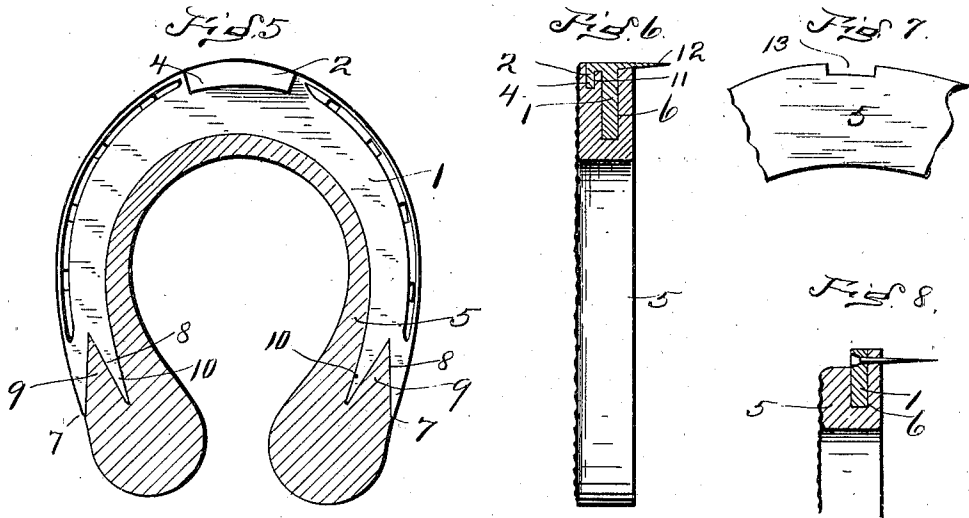
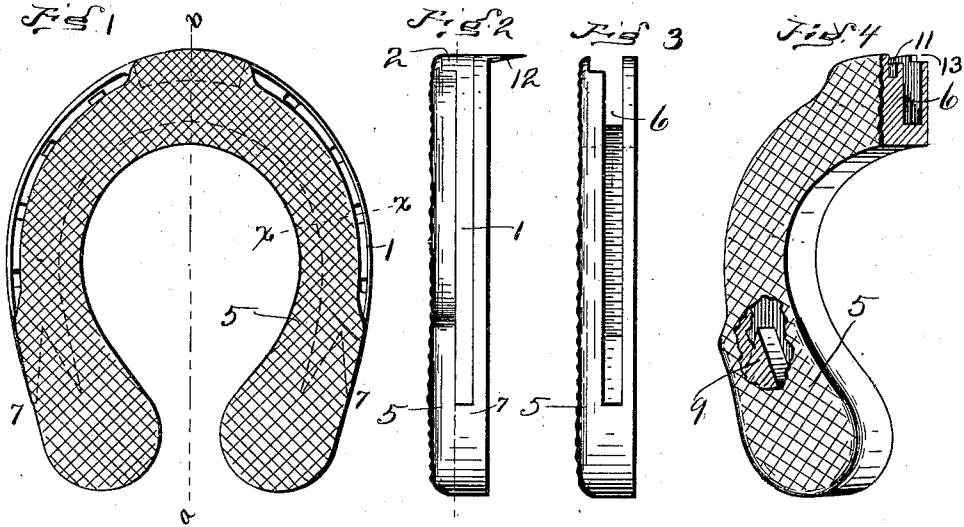
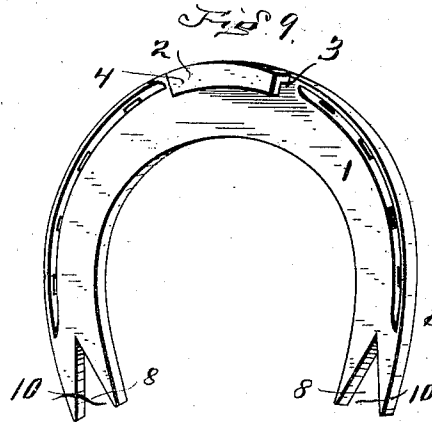
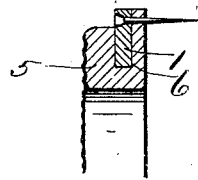


Fig. 8.



Witnesses
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Inventor
H. Paar
By J. W. Bond

Atty

UNITED STATES PATENT OFFICE.

HENRY PAAR, OF CANTON, OHIO, ASSIGNOR TO THOMAS C. SNYDER, OF
SAME PLACE.

CUSHION-HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 643,272, dated February 13, 1900.

Application filed November 6, 1899. Serial No. 735,880. (No model.)

To all whom it may concern:

Be it known that I, HENRY PAAR, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have
5 invented certain new and useful Improvements in Cushion-Horseshoes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference
10 being had to the annexed drawings, made a part of this specification, and to the figures of reference marked thereon, in which—

Figure 1 is a bottom or under side view of the shoe complete. Fig. 2 is an edge view. Fig. 3 is an edge view of the tread portion of the shoe. Fig. 4 is a view showing a portion
15 of the tread, showing a sectional view of the front portion thereof, and also showing part broken away upon its bottom or under side. Fig. 5 is a top view of the metal portion of the shoe, showing the tread portion in section. Fig. 6 is a transverse section on line *ab*, Fig. 1. Fig. 7 is a view showing a portion of the tread, illustrating the toe end thereof. Fig. 8 is a sectional view on line *xx*, Fig. 1. Fig.
20 9 is a detached perspective view of the metal portion of the shoe.

The present invention has relation to cushion-horseshoes; and it consists in the different parts and combination of parts herein-
30 after described, and particularly pointed out in the claims.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

35 In the accompanying drawings, 1 represents the metal portion of the shoe, which is substantially an ordinary metal shoe such as are commonly used, except the necessary changes to provide a means for connecting the tread
40 portion of the shoe to the metal portion thereof. The toe end of the metal portion of the shoe is provided with the calk 2, which calk is provided with the groove or recess 3 and the flange 4, said parts being for the purpose
45 hereinafter described.

The cushion or tread portion 5 conforms substantially with the form of the metal portion of the shoe, except that it is formed somewhat wider and thicker than the metal shoe
50 and is so formed for the purpose of providing a sufficient amount of tread and also pro-

viding for the proper attachment of the tread or cushion portions to the metal portion 1. The two portions 1 and 2 when connected together, as hereinafter described, constitute
55 the shoe proper.

The tread or cushion portion of the shoe 5 is preferably formed of rubber or like material, and, as shown, its sides are provided with the open groove 6, which open groove terminates at or about the points 7.
60

The metal portion of the shoe 1 is provided with the notches or recesses 8, located at the heel ends of the shoe, said notches being for the purpose of receiving the flanges 9, formed in the heel ends of the tread portion 5, by which arrangement the inner tangs 10 are set into the heel portion of the tread in such a manner that they will assist in holding said tread portion in proper relative position.
70

The toe end of the metal portion 1 is provided with the flange 4, which flange is set into the groove 11, formed in the tread 5, the body portion of said metal portion being seated into the groove 6, which groove is extended
75 around the toe portion of the tread.

For the purpose of providing room for the tang 12 the notch 13 is provided, said notch being formed in the toe edge of the tread 5.

For the purpose of providing a means for
80 attaching the shoe to the hoof of a horse the metal portion thereof is extended beyond the tread portion, as illustrated in Fig. 1, by which arrangement ordinary nails can be driven in the ordinary manner. It will also
85 be understood that by my peculiar arrangement I am enabled to securely connect the tread portion of the shoe to the metal portion thereof without any additional nails or screws, and at the same time so connect the parts together that they will produce a shoe that can be easily removed and at the same time one well calculated for the purpose designed.
90

It will be understood that by my peculiar arrangement the heel ends of the shoe are so
95 formed that a yielding cushion will be produced, by which arrangement a much better result is brought about.

It will be understood that by my peculiar arrangement the heel ends of the tread are
100 formed solid, thereby producing a solid heel tread.

In connecting the tread to the metal portion 1 the metal portion is inserted into the groove until the nail-holes come up to the edge of the tread.

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

10 1. The combination of the metal portion 1 provided with the calk 2 having a flange and groove, a tread provided with the flanges 9 at the heel ends thereof, and an open groove located upon a portion of its sides and toe end, and the metal portion 1 extended beyond the edge of the cushion and provided
15 with recesses at its heel ends, substantially as and for the purpose specified.

2. The combination of a metal shoe provided with a flanged toe-calk, and a recessed heel end, a tread or cushion provided with a

20 groove upon its sides and toe end, a recess formed in the toe end thereof, and the metal portion of the shoe extended beyond the edge of the cushion portion, substantially as and for the purpose specified.

25 3. The combination of a metal shoe provided with a toe-calk with a tread or cushion provided with a groove upon its sides and toe end, and said metal portion provided with recesses upon its heel ends and flanges seated into said recesses of the metal portion, substantially as and for the purpose specified. 30

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HENRY PAAR.

Witnesses:

J. A. JEFFERS,
F. W. BOND.