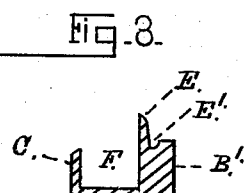
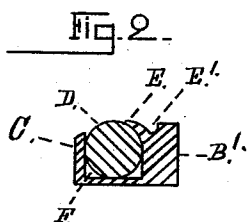
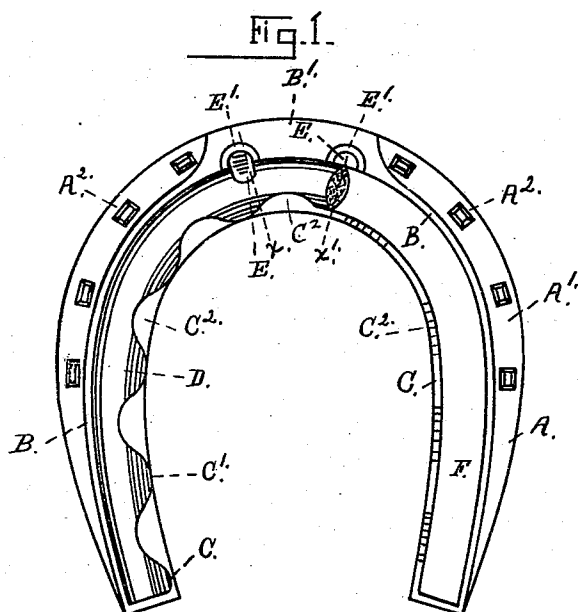


(No Model.)

F. W. HAHN.
SOFT TREAD HORSESHOE.

No. 572,602.

Patented Dec. 8, 1896.



Witnesses:
E. D. Thomas
L. H. Gussel

Inventor:
Frederick W. Hahn
By
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Atty.

UNITED STATES PATENT OFFICE.

FREDERICK W. HAHN, OF NEW YORK, N. Y.

SOFT-TREAD HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 572,602, dated December 8, 1896.

Application filed September 14, 1896. Serial No. 605,776. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK W. HAHN, a citizen of the United States, and a resident of the city, county, and State of New York, have invented a new and useful Improvement in Horseshoes, of which the following is a specification.

The object of this invention is to prevent horses from slipping and stumbling.

10 The invention consists in forming a metal frame consisting of a nail-flange, a groove for supporting a packing, the outer wall of which merges into a heavy calk, the said calk being provided with vertical lugs, which are bent
15 over after the packing has been put in the recess F, the said lugs being so formed in relation to the calk that when bent over onto the packing the top surface of the lugs is on a level, or nearly so, with the tread of the
20 calk.

Figure 1 represents the base or tread side of the shoe and a sufficient part of the packing to show the use of the calk-lugs. Fig. 2 is a cross-sectional view of Fig. 1 on line *x*,
25 and Fig. 3 is a cross-sectional view of Fig. 1 on line *x'*.

A, Fig. 1, represents a horseshoe cast or struck up from metal, and is provided with a thin horizontal nail-flange A', having nail-
30 holes A².

B, as shown in Figs. 1, 2, and 3, is a right-angled flange which merges into the heavy calk B' and forms the outer wall of the packing-recess F. The calk B' at the toe of the shoe
35 is made broad and heavy, so that it may wear and serve the purpose for which it is intended. This calk is provided with two lugs E, which when cast or struck up extend beyond the lower or tread surface of the calk, as shown in Fig. 3; and in order that the lugs E when
40 bent over onto the packing D, as shown in Fig. 2, may be even with or below the tread of the calk a sink E' is formed around the base of each lug E. By this plan it is readily
45 seen that the lugs are prevented from wearing off too soon, and thereby allowing the

packing to be stubbed or torn out of the recess F.

The lug E is formed within the area of the tread or lower side of the calk B, its inner
50 wall being flush with the inner wall of the calk B, as shown in Fig. 3; and by this plan the groove F is of a uniform width and free from any obstructions, which enables the packing D to be readily and easily placed in
55 the groove F.

The right-angled flange C forms the inner wall of the recess F and is provided with recesses C' and lugs C², the lugs being bent over
60 onto the packing D; as shown in the left side of Fig. 1; and in order that the packing may be securely held at the toe of the shoe one of the lugs C² is located opposite the space between the calk-lugs E.

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

1. The frame A having the thin horizontal flanges A', the inner flange C provided with
70 lugs C², the flanges B uniting with and merging into a solid broad and heavy calk B', the lug E, and the sink E', in combination with the packing D, as and for the purpose described.

2. The frame A having nail-flanges A', inner
75 flange C, outer flanges B uniting with and merging into the broad and heavy calk B', and the lug E located on the calk and having its base formed below the tread of the calk by the sink E' and its inner wall flush
80 with the inner wall of the calk, in combination with the packing D, as and for the purpose described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 6th day of August,
85 1896.

FREDERICK W. HAHN.

Witnesses:

ALBERT HENSEL,
HYMAN ROSENSCHEIN.