(No Model.)

J. G. WEISSMANN.

HORSESHOE.

No. 512,778. Patented Jan. 16, 1894.

Fig. 1

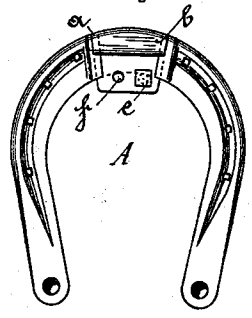


Fig. 2

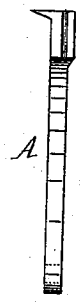
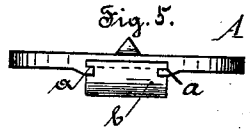


Fig. 3

Fig. 4

Fig. 5.



Witnesses:
Alex. Riel
Max Scheidig

Inventor:-
J. G. Weissmann

THE NATIONAL LITHOGRAPHING COMPANY,
WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHANN GEORG WEISSMANN, OF SCHWEINAU, GERMANY.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 512,778, dated January 16, 1894.

Application filed September 20, 1893. Serial No. 486,023. (No model.)

To all whom it may concern:

Be it known that I, JOHANN GEORG WEISSMANN, farrier, of Schweinau, near Nuremberg, in the Kingdom of Bavaria and Empire of Germany, have invented certain new and useful Improvements in Horseshoes with Exchangeable Toes, of which the following is a specification.

My invention consists in a horse-shoe provided on its under side at the front part with two rabbets inclined toward each other, a detachable toe-calk having the top-plate fitting between said rabbets and provided with a rubber-plate, said toe-calk being held in place by fastening devices passed through apertures of the top-plate of the toe-calk at the rear edge of the front part of the shoe.

The invention also consists in the construction and combination of parts and details, which will be fully described hereinafter and finally pointed out in the claim.

In the accompanying drawings, Figure 1 is a face-view of the under side of my improved horse-shoe, with a calk held in the same. Fig. 2 is a side view of the shoe without the calk. Figs. 3 and 4 are side-views of different kinds of calks, and Fig. 5 is a front-view of the shoe, with the calk inserted.

Similar letters of reference indicate corresponding parts.

The horse-shoe A is provided at the middle of its front with two rabbeted or under-cut flanges *a* on the under side, which flanges are inclined toward each other and serve to receive the top-plate of a dove-tailed toe-calk *b*.

In order to prevent the toe-calk from becoming detached, its top-plate is of such length that it extends beyond the rear edge of the front part of the shoe, and the said top-plate is provided at its inner or rear end with an aperture for receiving a bolt *e*. In case the toe-calk becomes loosened, a screw can be screwed through an aperture *f* in the rear extension of the top-plate of said toe-calk, which aperture is slightly in advance of the aperture through which the bolt *e* is passed.

For the purpose of more firmly securing the toe-calk and preventing rattling of the same on the shoe, a cushion-plate *d* of rubber is applied on the upper surface of the top-plate of the calk, so as to be between the bottom of the shoe and the upper surface of the top-plate when the calk is fastened on the shoe.

In winter the sharp calk shown in Fig. 4 is used, and this can readily be made by any farrier out of the worn out summer calks, of which one is shown in Fig. 3, the summer calks having a greater width at the base.

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

The combination, with a horseshoe having two undercut flanges on its under side at the front, which flanges are inclined toward each other, of a dovetailed toe-calk having a top-plate fitting between the undercut flanges, a rubber cushion-plate on said top-plate, and fastening devices passed through apertures in the top-plate of the toe-calk after the same has been inserted and beyond the rear edge of the front part of the shoe, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JOHANN GEORG WEISSMANN.

Witnesses:
ALEX. WIELL,
MAX SCHEIDIG.