

J. N. SCHULDT.
Horseshoe.

No. 196,541

Patented Oct. 30, 1877.

Fig 1.

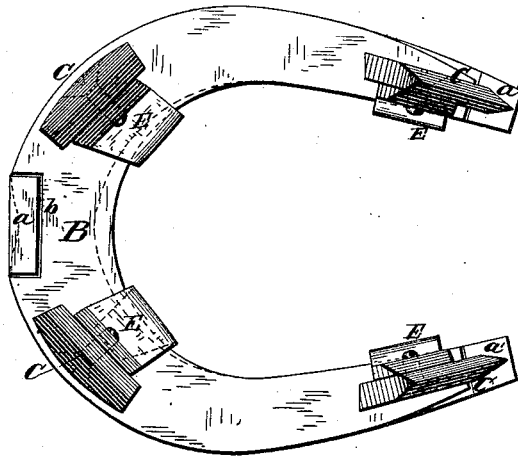
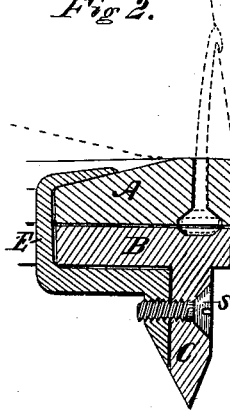


Fig 2.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN N. SCHULDT, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN HORSESHOES.

Specification forming part of Letters Patent No. **196,541**, dated October 30, 1877; application filed April 13, 1877.

To all whom it may concern:

Be it known that I, JOHN N. SCHULDT, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Horseshoes; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a bottom plan view, and Fig. 2 is a section.

Similar letters of reference in the accompanying drawings denote the same parts.

The object of this invention is to provide a simple, cheap, and durable device for temporary attachment to the shoes of a horse, for the purpose of "roughing" them during icy weather; and to this end the invention consists in a light supplemental shoe, provided with sharp calks, and capable of being fitted upon the bottom of the shoe already on the horse, and having a set of clamps adapted to be applied to the inner edge, so as to form no projections upon or around the outer edge of the shoe; secondly, in combining the clamps with the calks of the supplementary shoe; and, thirdly, in the details of construction, substantially as I will now proceed to set forth.

In the drawings, A is the ordinary horse-shoe, which is represented as applied to the horse's hoof, the outline of the latter being partially shown in the dotted lines above the shoe. The smooth calks of this shoe are shown at *a a'*.

B represents the light supplementary shoe, which is made thin and flat, and provided with a recess, *b*, which fits around the toe-calk of the shoe A. The rear ends of the supplementary shoe are intended to fit as closely as possible against the heel-calks *a'* of the shoe A. This arrangement assists in holding the thin shoe firmly upon the other. The shoe B may have a groove around its upper surface to accommodate the heads of the nails by which the shoe A is attached to the hoof.

The shoe B is provided with four or more sharp calks, C C C C, two of them arranged

at the heel and two at the toe, one on each side of the recess *b*. Each calk has a hole through it, reamed out or enlarged on the outer side to countersink the screw *s*, by which the clamp E is attached. The clamps, one for each calk, are adapted to extend around the inner edges of both shoes, and hold them securely together, the lower end of the clamps fitting against the inner face of the calks, and the upper end being sharpened like a wedge, and fitting into the concave upper surface of the shoe A, between the shoe and the hoof. This locks all the parts securely and closely together, without leaving any projections on the outer side of the shoe to lacerate the animal in traveling, and without interfering in any way with the frog of the foot, or otherwise having any tendency to lame the horse.

The shoe can be applied at any time, by any ordinary hostler, without removing the ordinary shoe worn when the roads are not slippery, and it can be, in the same manner, readily removed when no longer needed on the horse.

By the use of this device the expense of having a new set of shoes applied every little while will be avoided, and the animal's shoes can be kept perfectly adapted for the roads, as their condition changes from day to day.

The overshoe herein described may be made partially or wholly of steel, or of iron with steel calks. I prefer to make the entire shoe of cast-steel. The clamps may also be made of steel, if preferred.

It will be understood that the clamps, instead of being screwed to the calks, may be screwed to other projections formed on the under side of the overshoe, if preferred, but such mode of attachment would only be a colorable imitation of my device, and is included within my invention.

I claim as my invention—

1. The combination of the shoes A B with a set of clamps applied around the inner edge of the shoes, without any projecting surfaces outside of the hoof, and without extending across or into the space occupied by the frog, substantially as described.

2. The overshoe B, having the calks C C, in combination with clamps E, adapted to be screwed to the calks, and to lock over the inner edge of the shoe A, substantially as described.

3. The overshoe B, having a recess or recesses to fit around the calks of the shoe A,

and having the calks C, adapted for attachment to the clamps, substantially as described.

JOHN N. SCHULDT.

Witnesses:

FRANK MCKENNY,
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