

(No Model.)

E. C. SCRIBNER.
COMBINATION RUBBER AND STEEL HORSESHOE.

No. 518,863.

Patented Apr. 24, 1894.

Fig. 1.

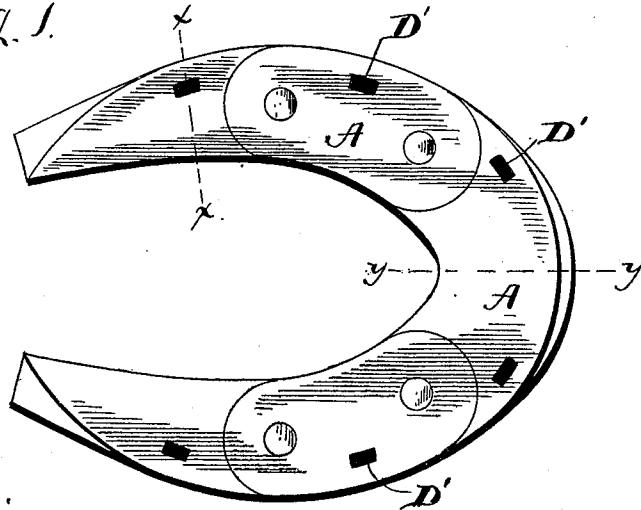


Fig. 2.

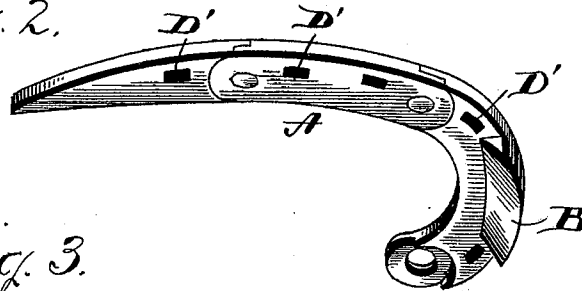


Fig. 3.

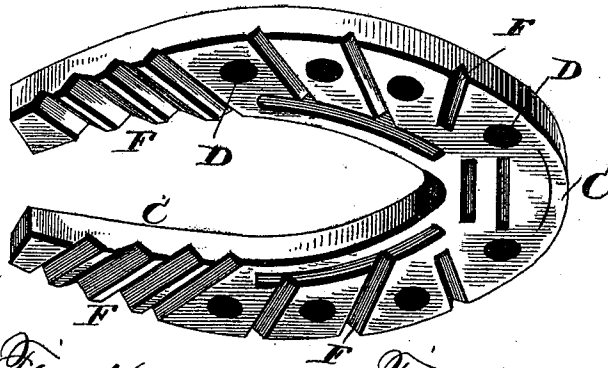


Fig. 4.

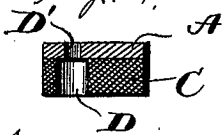


Fig. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

ELMER C. SCRIBNER, OF NEVERSINK, NEW YORK.

COMBINATION RUBBER AND STEEL HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 518,863, dated April 24, 1894.

Application filed February 26, 1894. Serial No. 501,595. (No model.)

To all whom it may concern:

Be it known that I, ELMER C. SCRIBNER, a citizen of the United States, residing at Neversink, in the county of Sullivan and State of New York, have invented certain new and useful Improvements in Combination Rubber and Steel Horseshoes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in combination rubber and steel shoes which are adjustable, and which can be adjusted to different sized hoofs, without the usual heating and welding of the metallic shoe so as to conform to the shape of the hoof when trimmed down as much as is desired in readiness for the shoe to be nailed thereto.

A further object of this invention is to produce a steel bed shoe, which is adjustable, being made up of two or more parts, and this bed shoe may be of any well known construction and provided with suitable calks, and having its free pivoted ends brought to a gradual point. To this metallic plate, on its calked surface is vulcanized the rubber shoe, which is then capable of being expanded or contracted slightly so as to admit of the metallic portion being adjusted to different sized hoofs and nailed thereto.

To these ends and to such others as the invention may pertain, the same consists further in the novel construction, combination and adaptation of the parts, as will be hereinafter more fully described and then specifically defined in the appended claim.

I clearly illustrate my invention in the annexed drawings, which form a part of this specification, in which drawings similar letters of reference indicate like parts throughout the several views, and in which—

Figure 1, is a plan view, hoof side, of my combination shoe. Figs. 2 and 3 are detail views of the metal portion of the shoe, in part, and the entire rubber portion separated

therefrom. Fig. 4 is a sectional view through one of the nail holes on the line $x-x$. Fig. 5 is a section on the line $y-y$ of Fig. 1 at the toe.

Reference being had to the details of the drawings by letter, A, A, represent an adjustable metallic bed shoe, made up of a series of sections, as shown, and having the tip sections, brought to a point.

B, are the calks which are moderately thin so as to wear down uniformly with the rubber shoe C, which is secured to the pivoted sectional metallic plate by being vulcanized to its lower or calked surface, the calks protruding through the apertures in the rubber shoe provided therefor.

D, D, are a series of holes in the rubber shoe which register with the holes D', D', in the metallic shoe, and nails of a particular construction are designed to be embedded in the rubber portion with their heads bearing against the metallic surface, or they may engage a thin layer of the rubber between their heads and the metallic surface, as an extra security in holding the rubber shoe to the metallic portion, and by this arrangement it will be seen that the rubber can gradually wear down toward the surface of the metallic surface without any interference from the nail heads, and the calks being of a thin metal, will wear gradually away with the flexible portion. On the lower surface of the rubber shoe are the corrugations F, which serve to prevent the horse from slipping when traveling on slippery pavements or ice.

It will be seen that the rubber portion, although vulcanized to the sectional metallic portion A, will be capable of adjustment to hoofs of different sizes, owing to the elasticity of the rubber and pivotal movements of the metallic base portion.

I am aware that it is not new to vulcanize a rubber shoe to a horse shoe between the metallic portion and the hoof, by which arrangement the nails are very likely to become loosened. I am also aware that it is old to construct metallic shoes in sections, and hence I do not claim these broadly.

What I claim to be new, and desire to secure by Letters Patent, is—

A horse shoe comprising in combination a metallic base portion made up of two or more sections pivoted together with two free ends tapering as described, a rubber shoe vulcanized to the lower or calked surface of the metallic portion, apertures in the rubber portion for the reception of the calks, nail-holes which register with holes in the metallic portions, rubber corrugations as shown, the said

compound shoe being capable of adjustment to hoofs of different sizes, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

ELMER C. SCRIBNER.

Witnesses:

HARVEY J. SARLES,
WILBER G. KRUM.