C. L. WINSTON.

HORSESHOE.

APPLICATION FILED MAR. 27, 1912.

1,039,002. Patented Sept. 17, 1912.

Fig. 1.

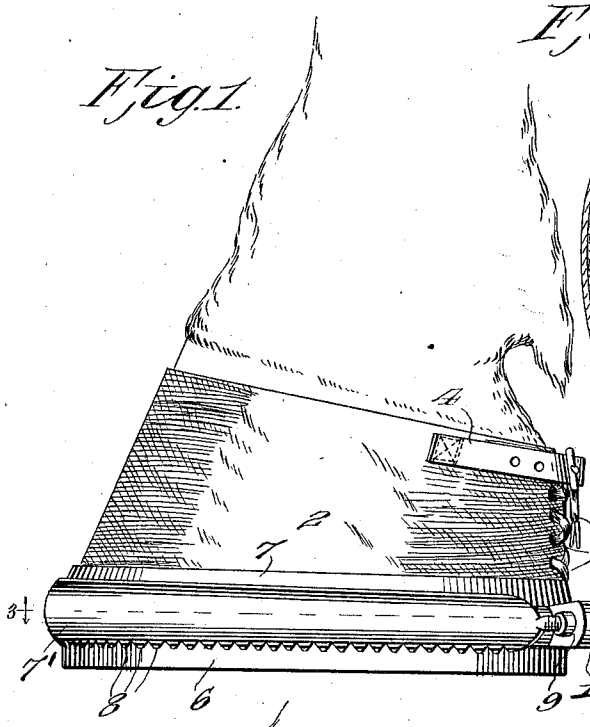


Fig. 3.

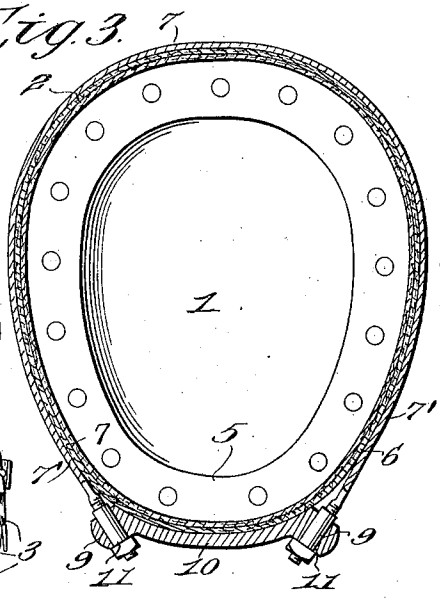


Fig. 2.

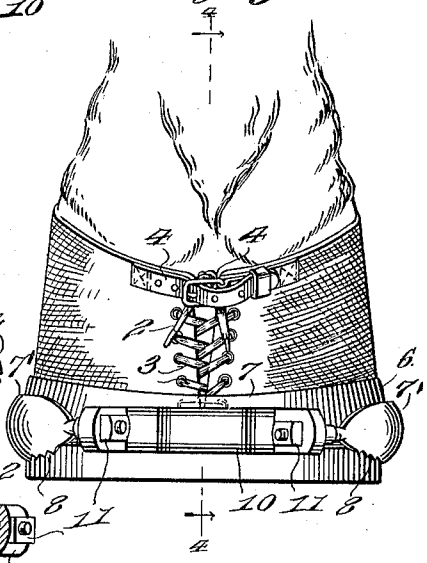
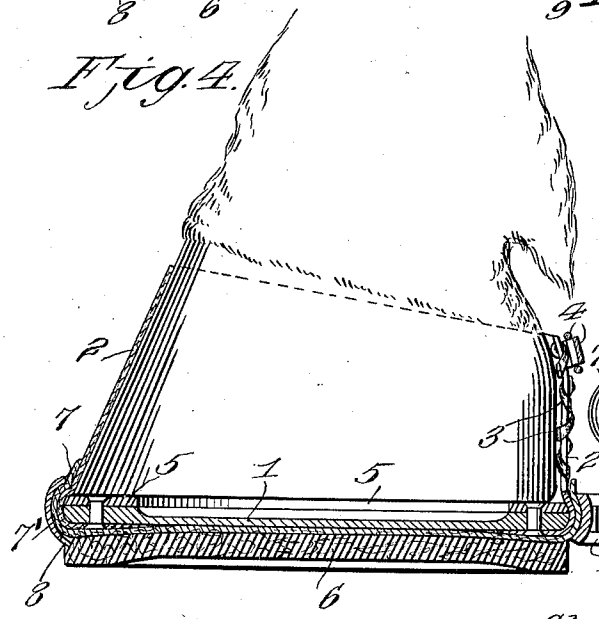


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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HORSESHOE.

1,039,002. Specification of Letters Patent. Patented Sept. 17, 1912.

Application filed March 27, 1912. Serial No. 686,513.

To all whom it may concern:

Be it known that I, CLARENCE L. WINSTON, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Horseshoes, of which the following is a specification.

This invention relates to horse shoes and more particularly to detachable shoes employing a boot to connect the shoe to the hoof.

One of the principal objects of the invention is to improve the present type of construction and to provide means whereby the shoe may be readily connected and disconnected from the boot and the entire structure from the hoof without the aid of a blacksmith or other skilled mechanic.

A further object of the invention is to provide a shoe of this character which will be nailless, which will not clog and which is practically non-slipping, no metallic parts being exposed on the tread.

Further objects of this invention will appear as the following specific description is read in connection with the accompanying drawing, which forms a part of this application, and in which:—

Figure 1 is a side elevation. Fig. 2 is a rear elevation. Fig. 3 is a horizontal section taken on the line 3—3 of Fig. 1. Fig. 4 is a vertical section taken on the line 4—4 of Fig. 2.

Referring more particularly to the drawing, 1 represents an insole which is preferably constructed of leather or other similar material and is hollowed out in its center so as to avoid contact with the frog of the hoof. Secured to the inner sole is an upper 2, whose free ends are connected together by the lace 3 and by the buckle and strap 4, as is shown in Fig. 2, and mounted inside of the upper and secured to the inner sole in any suitable manner, is a metallic ring 5 which holds the insole and the upper to form and prevents collapsing when acted upon by the clamping ring, which will hereinafter be described. The outer sole 6 may be constructed of any suitable material such as canvas, canvas coated with rubber, canvas covered with coil or coils of rope, leather, leather studded with rivets, or any other durable material. This outer sole is provided with a flange 7, either of the material of which the outer sole is constructed or of any other suitable material, said flange extending up over the inner sole and upper and being engaged by a clamping band 7′ which is concaved in cross section, as shown in Fig. 4, and whose lower edge is toothed, as shown at 8, to engage and bite into the flange of the outer sole. The ends of the band are provided with screw threads and are passed through apertures 9 formed in the connecting member 10 and have threaded thereon elongated nuts 11 by which the band may be drawn tightly around the hoof.

What is claimed is:—

1. A horse shoe comprising an inner sole, an upper connected thereto, means for lacing the upper on the hoof, an outer sole having an annular flange to engage over the inner sole, and a concave band for securing the outer sole to the inner sole.

2. A horse shoe comprising an inner sole, an upper connected thereto, means for locking the upper on the hoof, an outer sole having an annular flange to engage over the inner sole, a concave band for securing the outer sole to the inner sole, a concave band having threaded ends, an apertured plate to receive said ends, and nuts for drawing the plate and band around the inner sole.

3. In combination, a boot having an inner sole, an outer sole having a flexible flange surrounding the edge of the inner sole, a concave band having its lower edge toothed to bite into the flexible flange, and means for drawing the band tightly around the inner sole.

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

CLARENCE L. WINSTON.

Witnesses:

SARAH J. CHAPMAN,

IDA F. FEYHL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."