

(No Model.)

J. D. MUNSEY.
HORSESHOE AND QUARTER BOOT.

No. 503,869.

Patented Aug. 22, 1893.

Fig. 1.

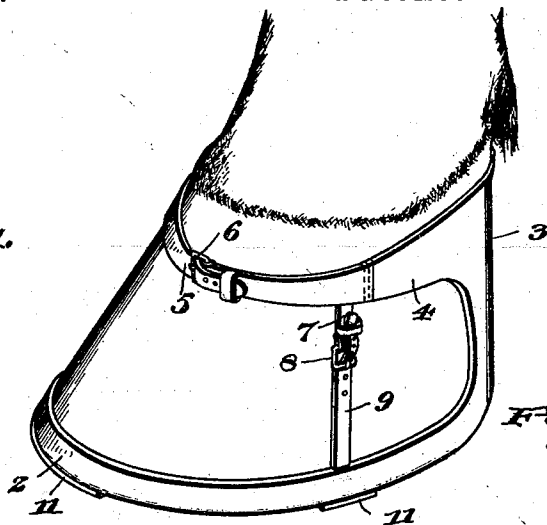


Fig. 2.

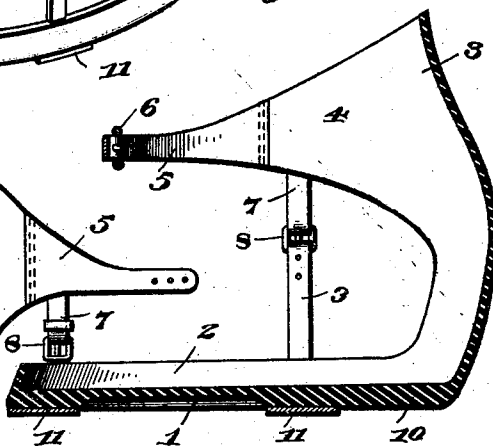


Fig. 4.

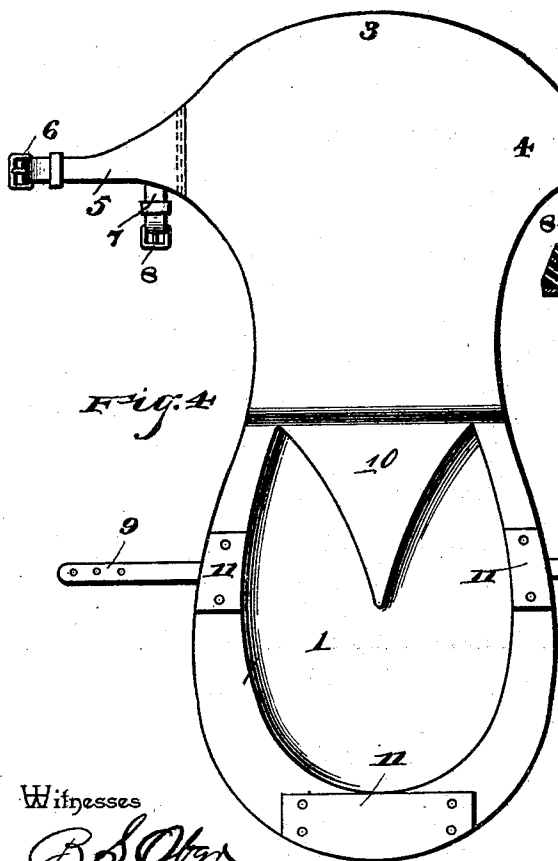
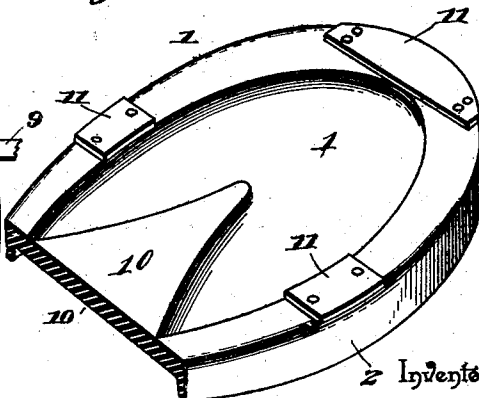


Fig. 3.



Witnesses

B. S. O'Brien
Chas. S. Hoyer

By his Attorneys,

John D. Munsey,
C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

JOHN D. MUNSEY, OF DIONA, ILLINOIS.

HORSESHOE AND QUARTER-BOOT.

SPECIFICATION forming part of Letters Patent No. 503,869, dated August 22, 1893.

Application filed April 1, 1893. Serial No. 468,643. (No model.)

To all whom it may concern:

Be it known that I, JOHN D. MUNSEY, a citizen of the United States, residing at Diona, in the county of Coles and State of Illinois, have invented a new and useful Combined Horseshoe and Quarter-Boot, of which the following is a specification.

This invention relates to a combined horseshoe and quarter-boot, and has for its objects to prevent injury or lameness in traveling upon hard roads; to cure diseased hoofs, and prevent laminitis; also to obviate contraction of the hoof and allow the same to freely expand naturally and dispense with the use of securing-nails at the points where most injurious to the hoofs; also to protect the heel and fetlock and, in a material measure, remove the injurious results of interfering.

With these and other objects in view, the invention consists of the construction and arrangement of the parts thereof as will be hereinafter more fully described and claimed.

In the drawings: Figure 1 is a perspective view of a hoof, showing the improved combined shoe and quarter-boot applied thereto. Fig. 2 is a longitudinal vertical section of the shoe and boot shown disconnected. Fig. 3 is a detail perspective view, looking toward the bottom of the combined shoe and boot. Fig. 4 is a plan view of the shoe and boot shown in open position.

Similar numerals of reference indicate corresponding parts in the several figures of the drawings.

Referring to the drawings, the numeral 1 designates the bottom of the combined shoe and boot, that has the edges at the sides and front raised to form a protecting rim 2, that surrounds the lower edge of the front and sides of the hoof, and at the back the said bottom is integrally formed with a heel or fetlock guard 3 that closes over the rear part of the hoof and extends upwardly some distance to shield the back of the same, and projecting forwardly therefrom, on opposite sides, are extensions 4, to which are secured straps 5, one of which is formed with a series of openings to engage a buckle 6 carried on the end of the other, and by means of which the device entire may be adjustably secured to the hoof in a removable manner. The rim 2 is narrow and continuous and extends around

the front and sides of the shoe, and inclines upward and inwardly and forms an interfering cushion. The said straps 5 are formed with depending short straps 7, carrying buckles 8, that are intended to be engaged by the ends of straps 9 fastened to the under side of the bottom 1, adjacent to the latter, to thereby hold the said bottom firmly against the under side of the hoof and prevent loose movement of said bottom on the hoof. The bottom 1 and guard 3, together with the extensions 4, are of integral formation and constructed of rubber, and that part of the said bottom which covers the frog is thickened, as 10, so as to protect the said frog and produce pressure thereon, that is, to hold the bottom of the boot firmly against the same without permitting a loose movement thereof. The web of the said bottom, in advance of the said frog part or thickness, is made thinner than the main wearing part at the edges in order to adapt the device to be stretched out in all directions to fit any shaped hoof, and when the combined shoe and boot is applied it will be seen that the use of nails in the quarters is dispensed with and that sidewise movement of the boot and shoe is prevented by the rim 2.

At the front and sides of the bottom are secured steel plates 11 that produce wearing-surfaces and remove the wearing friction from the said bottom direct, thereby increasing the durability of the device and dispensing with the usual stinging effect of the road or track upon the hoof. The only point where nails are employed is around the toe part of the hoof that are driven inwardly through the bottom 1 and up into the hoof at said point.

The combined device hereinbefore set forth is yielding in its nature and gives with the movements of the hoof, and is especially designed for track or road horses it being observed that it will prevent interfering, or the evil effects of overreaching, and when properly applied will remain firm upon the hoof under all conditions. The attachment of the straps referred to may be made by riveting or otherwise, and the metal or steel plates may be properly secured in position.

Changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or

sacrificing any of the advantages of this invention.

Having described the invention, what is claimed as new is—

5 1. As an improved article of manufacture, a rubber horseshoe of integral formation comprising a bottom having an outer surrounding tread-surface, and a web at the forward
10 part between opposite portions of said tread-surface that is thinner than the remaining part of the bottom of the shoe to permit the latter to be stretched over the hoof, said bottom being provided with a rear thickened frog
15 portion, and a narrow inwardly inclined rim extending around the front and sides of the shoe and forming an interfering cushion, substantially as described.

2. As an improved article of manufacture, a rubber horseshoe of integral formation having a bottom with a rim at the edge thereof
20 that extends above the same and inclined inwardly, a rear thickened frog portion, a thin web in advance of said frog portion, and a rear guard, substantially as described.

25 3. In a device of the class described, the combination of a bottom having a rim rising above the same, and a rear guard with extensions, all of integral formation and constructed of rubber, fastening-straps in connection

with said extensions, depending straps secured to said fastening-straps and having
30 buckles thereon, and connecting-straps attached to the opposite sides of the said bottom and arranged to engage the buckles on the said depending straps, substantially as
35 described.

4. In a device of the class described, the combination of a bottom having a rim rising above the same, a thickened frog, a thin web
40 in advance of said frog, and a rear guard, all of elastic material and integrally formed, and the said guard provided with extensions, fastening-straps in connection with said extensions, depending straps secured to said fastening-straps and having buckles thereon,
45 connecting-straps attached to the opposite sides of the said bottom and arranged to engage the buckles on said depending straps, and metallic plates applied to the underside of the said bottom at the toe and quarters
50 thereof, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN D. MUNSEY.

Witnesses:

CHAS. E. SAWYER,

C. C. SCOFIELD.