

(No Model.)

J. SUMMERS.  
HORSE BOOT.

No. 475,827.

Patented May 31, 1892.

FIG. 1.

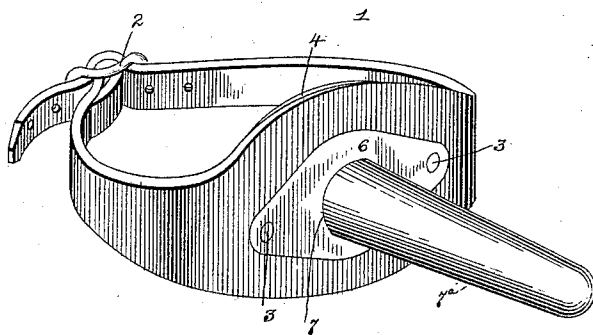


FIG. 2.

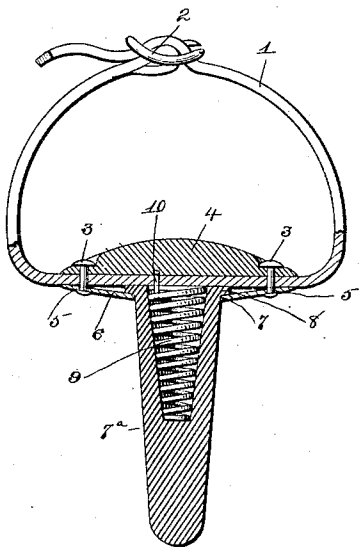
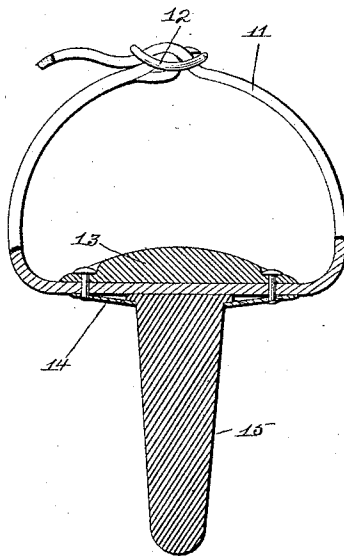


FIG. 3.



Witnesses

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By his Attorneys,

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# UNITED STATES PATENT OFFICE.

JOHN SUMMERS, OF SAN FRANCISCO, CALIFORNIA.

## HORSE-BOOT.

SPECIFICATION forming part of Letters Patent No. 475,827, dated May 31, 1892.

Application filed December 24, 1891. Serial No. 416,057. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN SUMMERS, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented a new and useful Horse-Boot, of which the following is a specification.

This invention relates to improvements in interfering devices for horses; and the objects in view are to provide a cheap and efficient device adapted to be applied to the legs of the animal, whereby the bad habit of striking his feet together when traveling is corrected, and this without injury or pain to the animal.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of an interfering device constructed in accordance with my invention. Fig. 2 is a longitudinal section of the same. Fig. 3 is a similar view of a modified construction.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates a leather strap or boot adapted to be secured about the leg of the animal at such point as the trainer desires. One end of the strap is provided with a buckle 2 and the other end with a series of perforations, whereby an adjustable connection with the buckle may be effected. Near the center the strap is widened and has secured by rivets 3 a convexed pad 4, the same being preferably formed of rubber or leather and applied to the inside of the strap. The outer ends of the rivets 3 extend through the pad and strap, terminating beyond the latter, and also pass through perforations 5, formed near the opposite ends of an oval plate 6, beyond which the rivets are headed. The plate 6 is provided with a central opening 7, and by reason of the convexity of the plate a small space intervenes between the plate and strap 1.

7<sup>a</sup> designates the interfering-pin, and the same is somewhat conical and is formed of soft rubber. The pin is passed small end first through the rear end of the plate, and at its inner or butt end is slightly flared to form a head 8, which prevents its withdrawal from the securing-plate. The pin is further pro-

vided in this instance with a conical cavity, which is occupied by a coiled spring 9, the inner terminal of which is secured to the strap 1 by a staple 10.

It will be readily seen that the interfering device described may be applied to either of the front or rear legs of the animal, and projecting inwardly the pin will teach the animal to so regulate his gait and the distance apart of his feet when moving as to avoid the pin, and hence obviate striking. The flexibility of the rubber avoids injury to the animal by contact therewith, and the required stiffness is given, as well as the required resiliency by the spring.

As shown in Fig. 3, I may omit the spring and form the pin either solid or hollow; but I prefer to include the spring.

In the modification referred to 11 designates the strap; 12, the buckle; 13, the pad; 14, the plate, and 15 the pin, the construction being exactly like that shown in Figs. 1 and 2, with the exception that the pin is solid.

Having described my invention, what I claim is—

1. The herein-described horse-boot, the same consisting of the adjustable strap, the rubber pin extending therefrom and provided at its inner end or base with an annular flange, and the metal securing-plate having a central opening fitting the pin above the flange and bearing on the latter and secured to the strap, substantially as specified.

2. The herein-described horse-boot, the same consisting of the adjustable strap, the rubber pin extending therefrom and provided at its inner end or base with an annular flange, and the metal securing-plate having a central opening fitting the pin above the flange, the inner pad arranged opposite the rear end of the pin, and rivets passed through the pad, adjustable strap, and metal plates, substantially as specified.

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

JOHN SUMMERS.

Witnesses:

F. C. FORD,  
JOSEPH SMITH.