

(No Model.)

J. MICKLE.
ANTI-INTERFERING DEVICE FOR HORSES.

No. 460,396.

Patented Sept. 29, 1891.

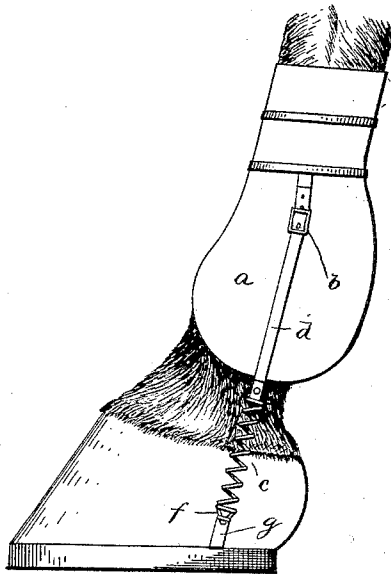


Fig. 1.

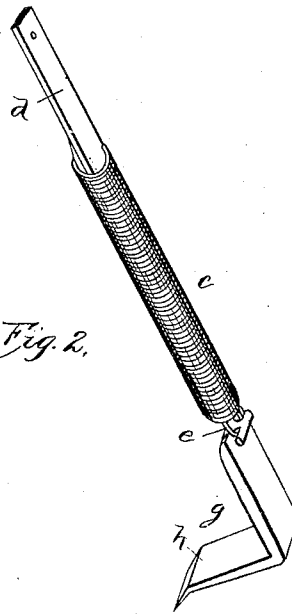
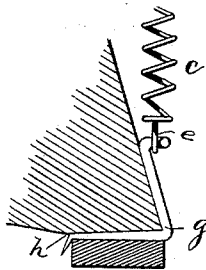


Fig. 2.

Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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ANTI-INTERFERING DEVICE FOR HORSES.

SPECIFICATION forming part of Letters Patent No. 460,396, dated September 29, 1891.

Application filed February 4, 1891. Serial No. 380,183. (No model.)

To all whom it may concern:

Be it known that I, JAMES MICKLE, of Fort Edward, in the county of Washington and State of New York, have invented certain new and useful Improvements in Anti-Interfering Devices for Horses; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 part of this specification.

This invention relates to certain improvements in anti-interfering devices for horses.

It is a well-known fact that horses, in traveling rapidly or speeding, lift the hind feet with the toe drawn inwardly, thereby causing the horse to cut his quarters and interfere, and also the front feet are so moved as to cause clipping of the shoes. This interfering of the feet of course injures the horse, wears the shoes, and to a certain extent retards the speed of the horse.

Heretofore certain devices have been employed to prevent this interference, but in most respects they are not satisfactory, being cumbersome or expensive, or necessitating extra exertion on the part of the animal when running, or being dangerous in case of accident.

The object of my invention is to provide an improved, simple, cheap, durable, and exceedingly efficient device which will positively prevent all interfering, cutting of quarters, and clipping of the forward shoes, and which can be easily and quickly attached or detached. These objects are accomplished by and my invention consists in certain novel features of construction and in combinations of parts more fully described hereinafter, and particularly pointed out in the claims.

Referring to the accompanying drawings, Figure 1 is a view of a foot and portion of a leg of the horse, showing my invention detached. Fig 2 is a detail perspective. Fig. 3 is a detail section showing a mode of attaching the device to the horse's foot.

In the drawings, reference-letter *a* indicates a suitable shin and ankle boot. This boot is

preferably composed of a piece of firm leather bound with cloth and padded on the inside, where the strain comes, and provided on the outside with suitable attaching device, such as a button or buckle *b*, as shown. The boot is also provided with a suitable number of securing-straps—say two—which secure the boot above the ankle.

The anti-interfering device or attachment consists of an elastic flexible section *c*, preferably a tightly-coiled spring, as shown, attached firmly at its upper end to the strap *d*, which strap is provided with the perforations shown to receive the buckle or other fastening device on the boot. The lower end of this elastic section is suitably secured to the foot, preferably by the means shown, wherein the lower end of the spring or other elastic section is formed with a loop or eye *e* to receive the headed stud *f* on the outer side of the upper end of the L-shaped metal piece *g*. This L-shaped coupling piece or bracket has the lower flat arm bent at its inner end at *h*, so that this lower arm can be placed between the hoof and horseshoe when the shoe is being placed on, with the upper arm of the bracket bearing against the outer side of the hoof, and the bent end *h* will firmly hold the bracket against withdrawal or movement after the shoe has been secured. This attachment is used, preferably, on the outer side of the foot and leg. The tension of the elastic portion can be easily graduated by means of the strap and fastening means on the boot, and the attachment can be easily and quickly removed by simply releasing the strap and then turning the elastic section at right angles and removing the loop from the headed spur of the metal securing-bracket. This bracket remains on the foot and does not in any way interfere with the horse when the spring attachment is removed.

The device can be manufactured cheaply and is adapted for use for all kinds of horses and is intended for use on both front and rear feet.

This device attached on the outside of the foot and leg draws the foot outwardly when the horse is traveling, and thereby causes it to strike the ground flat and level, and also

draws the feet apart, thereby preventing all clipping of shoes, cutting of quarters, and all interference. It also strengthens the muscles by creating a uniform strain on the outer and inner sides of the leg, and it does so without in the least retarding the motion of the horse, but rather increasing his speed. It also prevents the horse from knocking the forward knees.

10 I do not wish to confine myself to the spiral spring, as I may use any elastic portion or section which will roll or draw the foot outwardly, such as rubber, or rubber and spring combined, and there may be other means employed for making connection with the horse's foot.

15 It is evident that various slight changes and modifications might be resorted to in the form and arrangement of the parts described without departing from the spirit and scope of my invention. Hence I do not wish to limit

myself to the exact construction herein set forth; but

What I claim is—

1. The combination, with a boot, of a strap 25 secured thereto, an angle-iron or device for securing the boot to the foot of the animal, and an elastic connection intermediate the strap and clip, substantially as described.

2. The combination, with the boot, of an adjustable strap secured thereto, an angle-iron or clip for inserting between the shoe and hoof of the animal, and an elastic connection intermediate the strap or clip, such connection being detachable. 30

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses. 35

JAMES MICKLE.

Witnesses:

A. B. CAHEE,
W. H. CAHEE.