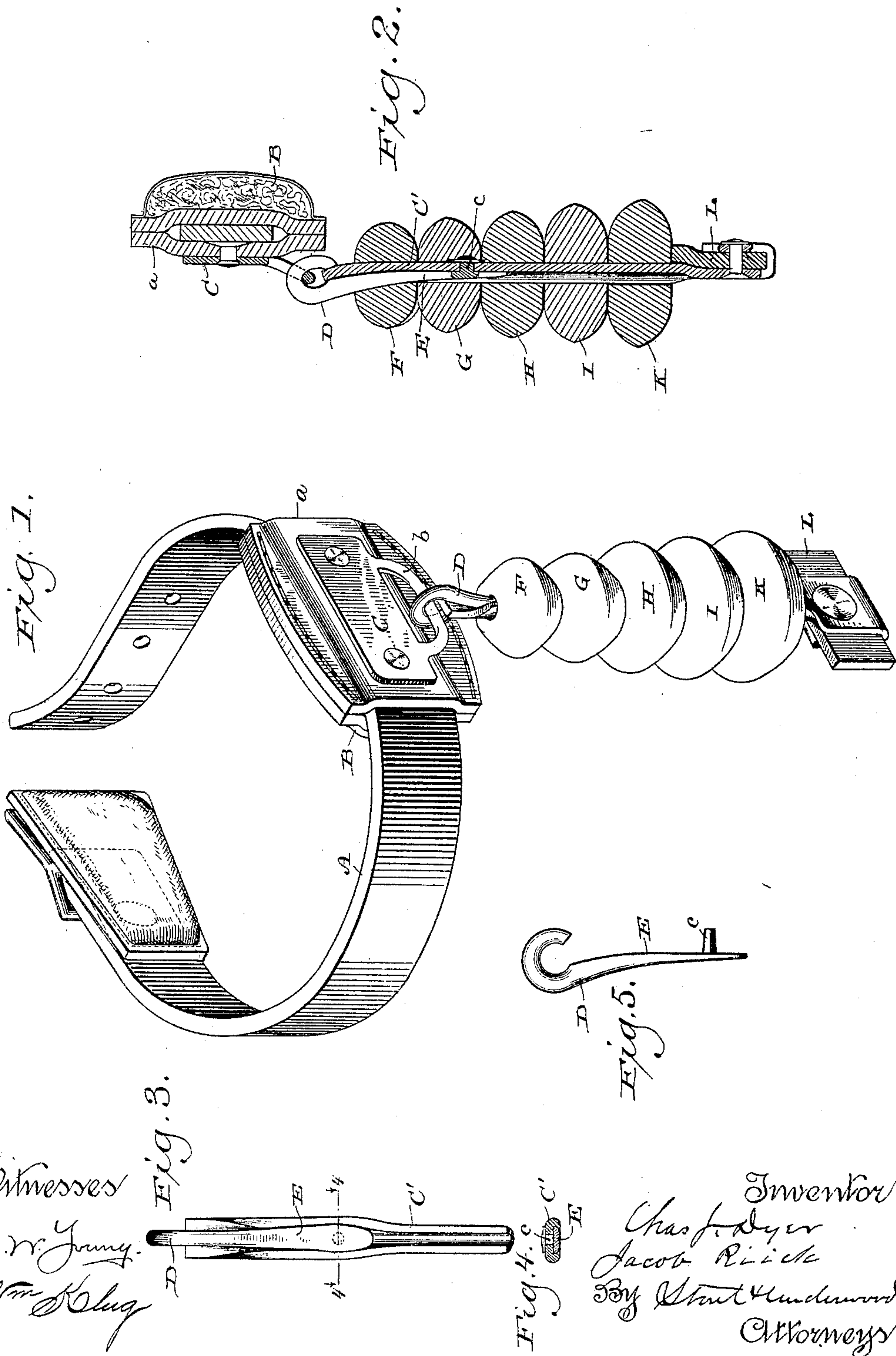


(No Model.)

C. J. DYER & J. RIICK.
HORSE BOOT.

No. 424,767.

Patented Apr. 1, 1890.



UNITED STATES PATENT OFFICE.

CHARLES J. DYER AND JACOB RIICK, OF MILWAUKEE, WISCONSIN.

HORSE-BOOT.

SPECIFICATION forming part of Letters Patent No. 424,767, dated April 1, 1890.

Application filed August 9, 1889. Serial No. 320,231. (No model.)

To all whom it may concern:

Be it known that we, CHARLES J. DYER and JACOB RIICK, of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Interfering Devices for Horses; and we do hereby declare that the following is a full, clear, and exact description thereof.

Our invention relates to interfering devices for horses, and will be fully described hereinafter.

In the drawings, Figure 1 is a perspective view of an interfering device embodying our invention. Fig. 2 is a vertical section. Fig. 3 is an elevation of the crook and a portion of the pendent strap. Fig. 4 is a section on line 4 4, Fig. 3; and Fig. 5 is a side elevation of the crook.

A is the leg-strap, and B a pad that is formed with a loop *a*, that is slipped onto the leg-strap.

C is a clip that is riveted to the outer portion of loop *a*, and this clip is formed or provided with a loop *b*, over which is caught the hooked end of a rigid crook D, and to the shank E of this crook a pendent strap C' is connected by a rivet *c*, as shown best in Figs. 2 and 4, and on this shank and strap is slipped a buffer, which in this instance consists of balls or spheroids F G H I K, an enlargement L preventing the buffer from falling off.

The shank of the crook D extends so far down into the buffer as to make the upper half of it nearly rigid, and thus the pendent strap is protected at the point at which the interfering devices heretofore made were most likely to break, as in swinging the leverage brought the strain on the pendent strap at a point just above the buffer, and the leverage was so great that the unprotected strap very soon gave out, and this was aggravated by the fact that the loop of the pendent strap was riveted directly to the loop on the pad and had very little play. In our device not only has the hooked end of the crook plenty of play, but the leverage on the pendent strap is so slight that there is practically no more strain at one point than another.

As shown in the drawings, in the preferred form of our device the opening between the hooked end and the shank of our rigid crook

D is preferably closed by the upper end of the pendent strap C', thereby preventing any accidental separation of the clip-loop *b* and crook, while permitting their ready separation at any time, if desired, for repair or readjustment of the buffer, and as our pad B and its loop *a* are preferably loose on the leg-strap A their relative location may be changed or adjusted at any time, as found desirable.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In an interfering device for horses, the combination, with the leg-strap and sliding pad carrying a rigid loop, of a crook having a rigid shank hooked to the said loop, a pendent strap riveted to the said shank, and a buffer consisting of a series of balls secured on the shank of the stiffening-piece and pendent strap, substantially as set forth.

2. In an interfering device for horses, the combination, with the leg-strap provided with a pad, of a clip secured thereto, a crook having a rigid depending shank suspended from a loop on the clip, a pendent strap secured to and having its upper portion stiffened by said shank, and a flexible buffer, substantially as set forth.

3. In an interfering device for horses, the combination, with the leg-strap, of a pad and loop surrounding said strap, a clip secured to said pad-loop and having a projecting rigid loop, a crook hooked to said clip-loop and having a depending rigid shank, a flexible strap riveted to said shank, the top of said strap closing the space between the open hooked end and shank of the crook and the upper part of said strap being stiffened and protected by the latter, and a buffer secured on said flexible strap, substantially as set forth.

In testimony that we claim the foregoing we have hereunto set our hands, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

CHARLES J. DYER.
JACOB RIICK.

Witnesses:
S. S. STOUT,
WM. KLUG.