

(No Model.)

R. P. PEARSON.

BREECHING STAY FOR HARNESS.

No. 283,417.

Patented Aug. 21, 1883.

FIG. 1.

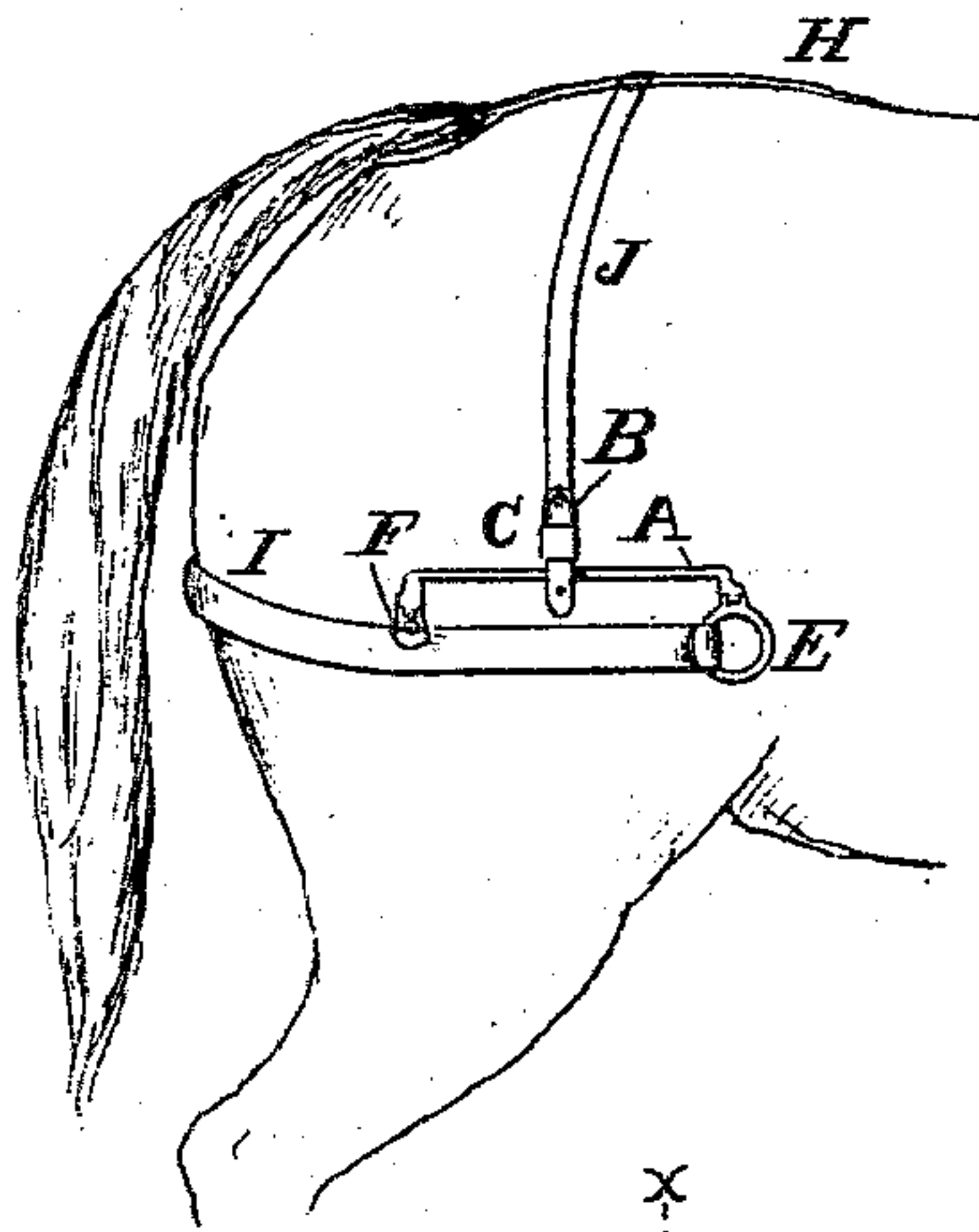


FIG. 2.

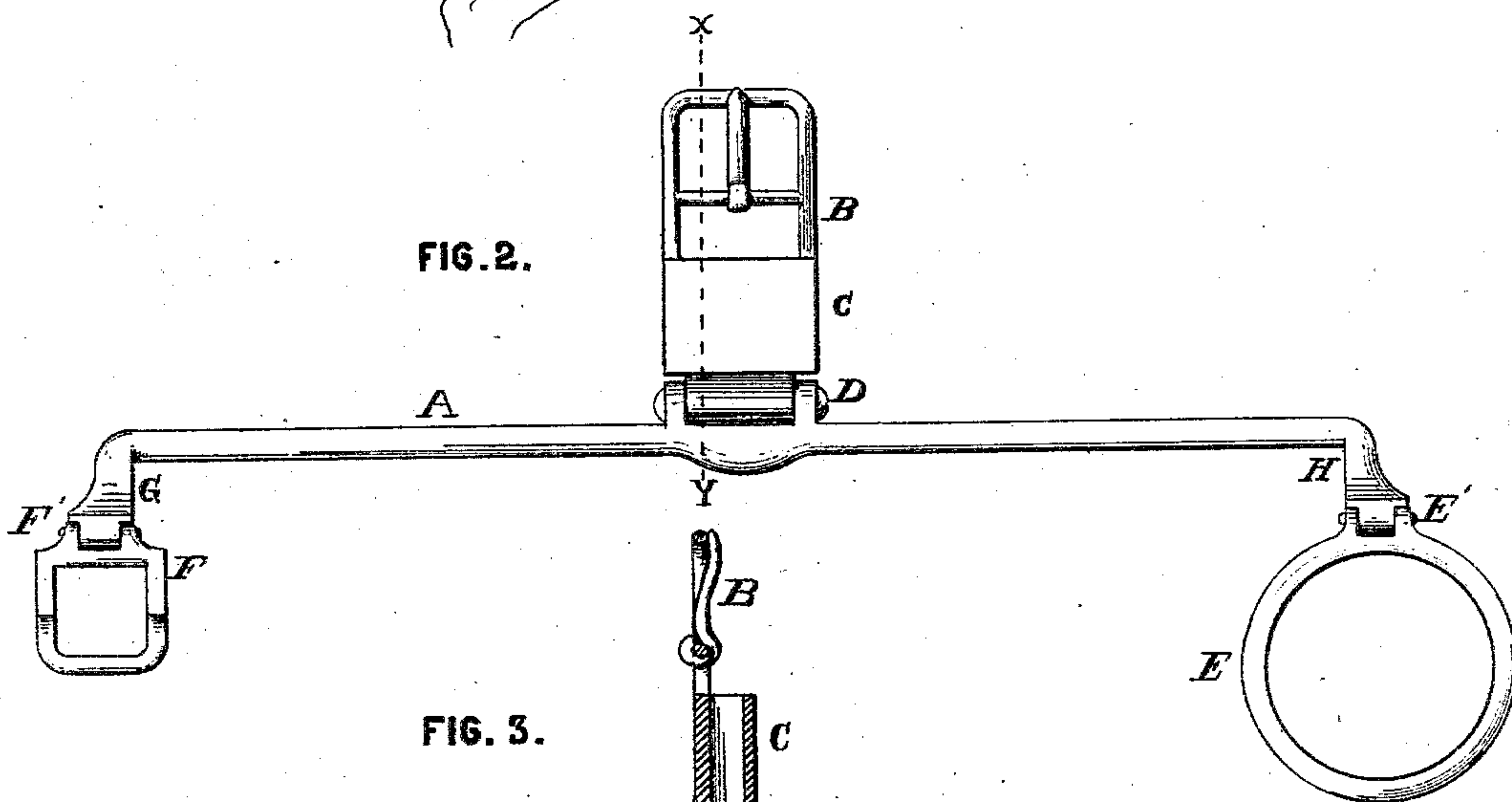
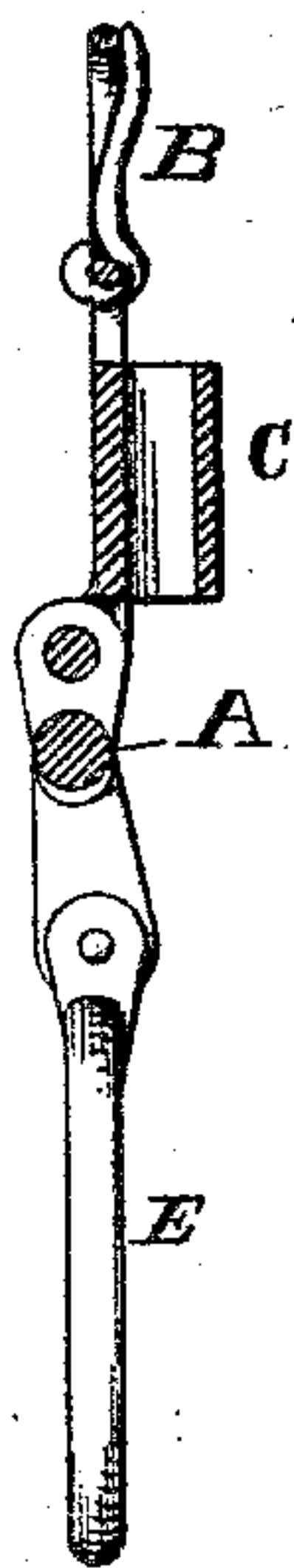


FIG. 3.



WITNESSES:

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BREECHING-STAY FOR HARNESS.

SPECIFICATION forming part of Letters Patent No. 283,417, dated August 21, 1883.

Application filed September 12, 1882. Renewed July 17, 1883. (No model.)

To all whom it may concern:

Be it known that I, ROBERT P. PEARSON, of the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Breeching-Stays for Harness; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawings, making part hereof.

Breeching-stays have heretofore been made of leather or other pliable material, and have always been liable, in consequence of the pull of the hip-strap and the weight of the shafts or breeching-strap, to be drawn out of shape, with a tendency to draw the two extremities of the stay together. The old leather stay also is liable to rip out in the sewing, and to have the leather torn by the rough usage to which it is sometimes subjected. Breeching-stays have also been made of metal; but, being sewed tightly into the harness or connected therewith rigidly, they are apt to chafe and annoy the animal with whose harness they are used. All these objections are overcome by my invention, which consists of a stiff rigid stay, which I make of metal joined to the harness by hinged connections. I thus produce a breech-strap not liable to rip out, there being no sewing about it, possessing also the advantage of rigidity or stiffness—that is, the ends or the points of connection with the breech-straps are held firmly apart, so that a direct vertical support is given to the breech-strap, and also by hinged connections with the harness prevent the liability of chafing peculiar to metallic stays rigidly set into the harness, while possessing the common attribute of metallic breech-stays—viz., non-liability to soften or become limp in consequence of rain or damp atmosphere.

In the drawings, Figure 1 is a view of the rear part of a horse, showing the application of my invention to those parts of the harness with which it is directly connected; Fig. 2, an elevation or front view of my invention; Fig. 3, a vertical sectional view of the same on the line of X Y of Fig. 2.

A is the stay; B, a buckle with a tug, C; D, a hinge by which the buckle is connected with the brace A; E, a ring connected with the downwardly-projecting lug H by the hinge E'; E, a small metallic loop, which is hinged to the

downwardly-projecting lug G of stay A by means of the hinge F'. I is the breeching-strap, to which the stay is secured by means of the ring E and loop F. (See Fig. 1.) J is the hip-strap, secured by means of the buckle B and hinge D to the stay A. This hip-strap is secured to the back-strap H, being secured thereto by means of a loop, through which it is passed in a manner well known in the art. The ring E in practice is secured by means of a strap to the shaft of a vehicle in a manner well known to the public.

The part of the device which it is most important to construct of metal, or other material possessing in the most eminent degree the quality of stiffness, is the stay itself—namely, the part A. I make the whole device, as shown in Fig. 2, in all its parts, of metal, and for this purpose I use iron, steel, brass, and copper or other suitable metal. The device may be nickel or silver plated, gilt or plain. I make the stay A of cast-iron, or I may use malleable or wrought iron.

My device is shown in full size in Fig. 2; but I do not limit myself to the plain straight shape there shown.

The stay A on each side of the hinge D may be curved in various forms and ornamented with scroll-work, care being taken that the feature of rigidity be preserved.

I will apply for Letters Patent for my improved buckle, B, in an application to be filed subsequently to this.

What I claim as new is—

1. A rigid metallic breeching-stay, A, having a ring, E, secured to it by means of a hinge, E', and a loop, F, secured to it by means of a hinge, F', the said stay being secured to the breeching-strap by means of said hinged ring E and hinged loop F, substantially as described.

2. A rigid metallic breeching-stay having a ring, E, hinged thereto at E', loop F, hinged to the stay F', and buckle B, hinged to the stay at D, by means of which ring, loop, and buckle the stay is secured by hinged connections to the breeching-strap and hip-strap, substantially as described.

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Witnesses:

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