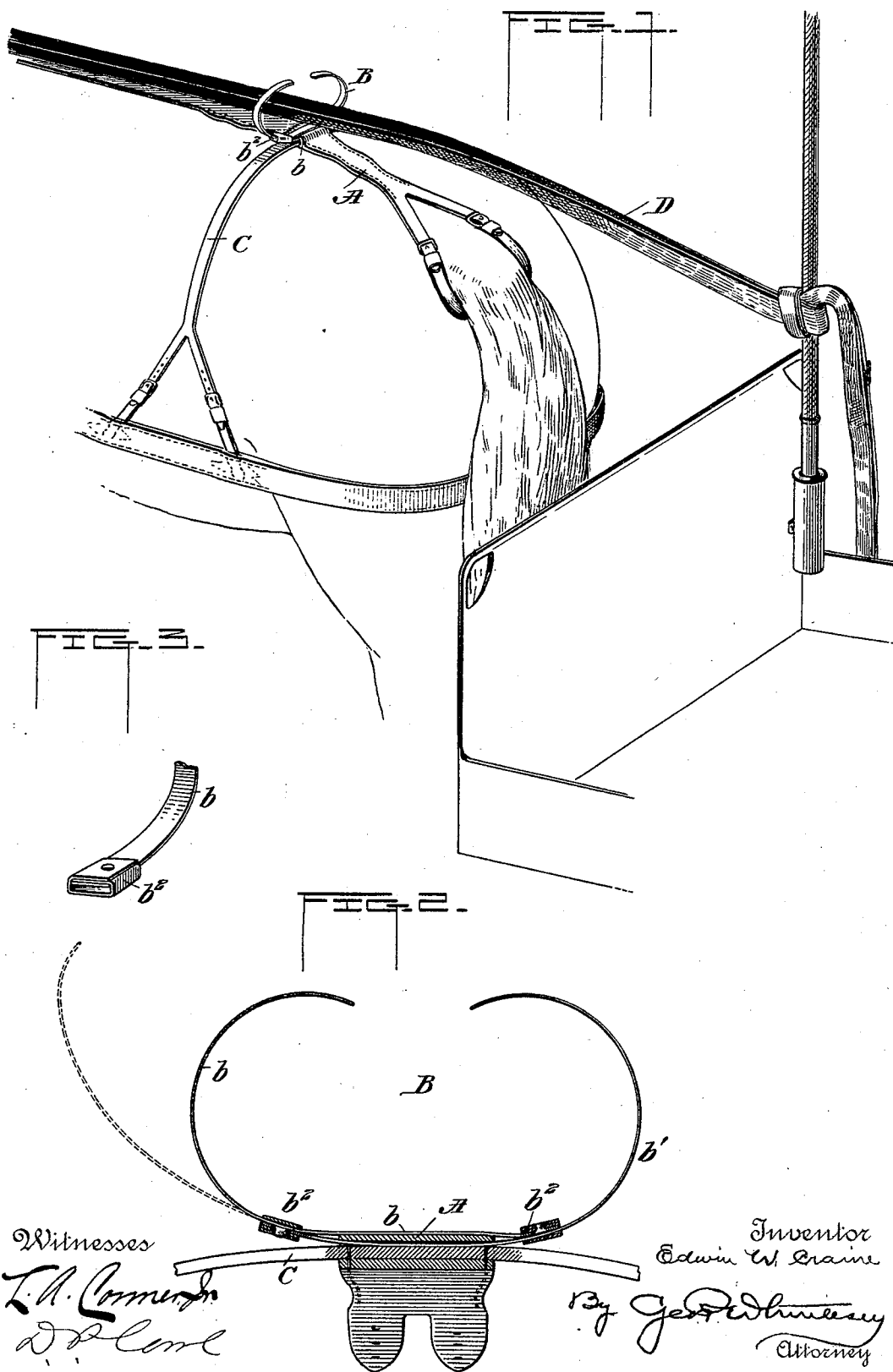


(No Model.)

E. W. CRAINE.
REIN SUPPORT.

No. 519,666.

Patented May 8, 1894.



Witnesses
L. A. Combs
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UNITED STATES PATENT OFFICE.

EDWIN W. CRAINE, OF MISSOURI VALLEY, IOWA.

REIN-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 519,666, dated May 8, 1894.

Application filed March 6, 1893. Serial No. 464,784. (No model.)

To all whom it may concern:

Be it known that I, EDWIN W. CRAINE, a citizen of the United States, residing at Missouri Valley, in the county of Harrison and State of Iowa, have invented certain new and useful Improvements in Rein-Supports; and I do declare the following to be a full, clear, and exact description of the invention, such as 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 a part of this specification.

My invention relates to harness, and its object is to hold the reins above the horse in order to prevent him from getting his tail over them, and to keep the reins from catching under the points of the hip straps.

This invention consists of an open loop of light, resilient metal attached to the back strap at any convenient point. It is small and elegant in appearance, and does not interfere with the ordinary manipulation of the reins, or other parts of the harness. Its flexibility enables the reins to be readily pulled out from it without injuring them: while so long as they are left slack, they cannot get out of the support. When the horse is unhitched from the vehicle, the support can be used as a tug carrier.

In the drawings, Figure 1 shows the support applied to a horse's harness. Fig. 2 is a vertical elevation on a large scale, and Fig. 3 is a detail.

Attached to the back strap A of the harness is the rein support B, composed of thin, flat, resilient metal, preferably spring steel. Its ends are curved upward and toward each other, forming a loop open at the top. It is preferred to make the support in two parts as shown in Fig. 2, each arm b b' having a flat eye b^2 riveted or otherwise fastened to one

end. The arm b passes over the back strap A and through the eye of the arm b' . It is preferred to pass the arm b' through the loop in the back strap which holds the hip strap C, though the support can be attached at any convenient point. It can be readily detached by grasping the eyes b^2 and sliding them toward the free ends of the arms.

The eyes may be of any suitable metal, and the entire support may be plated if desired.

The reins D are easily dropped into the support, and are securely held against lateral displacement. But they can be quickly released if necessary, the ends of the support yielding both vertically and horizontally to a strong pull, as indicated in dotted lines in Fig. 2. This feature of flexibility is one of great importance.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination with the back strap of a harness having a transverse opening or loop, of a detachable rein supporter consisting of two curved flat strips of resilient metal of substantially the same width and length from one end to the other and each provided at one end with a flat eye adapted to pass over the free end and greater portion of the other strip, one of said strips passing through the transverse opening in the back strap and the other passing outside of said strap, the free ends of the strips rising on either side to form an open loop to receive the reins, and the eyes lying adjacent to the back strap to hold the device in place, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

EDWIN W. CRAINE.

Witnesses:

W. J. LLOYD,
JAS. MCGAVREN.