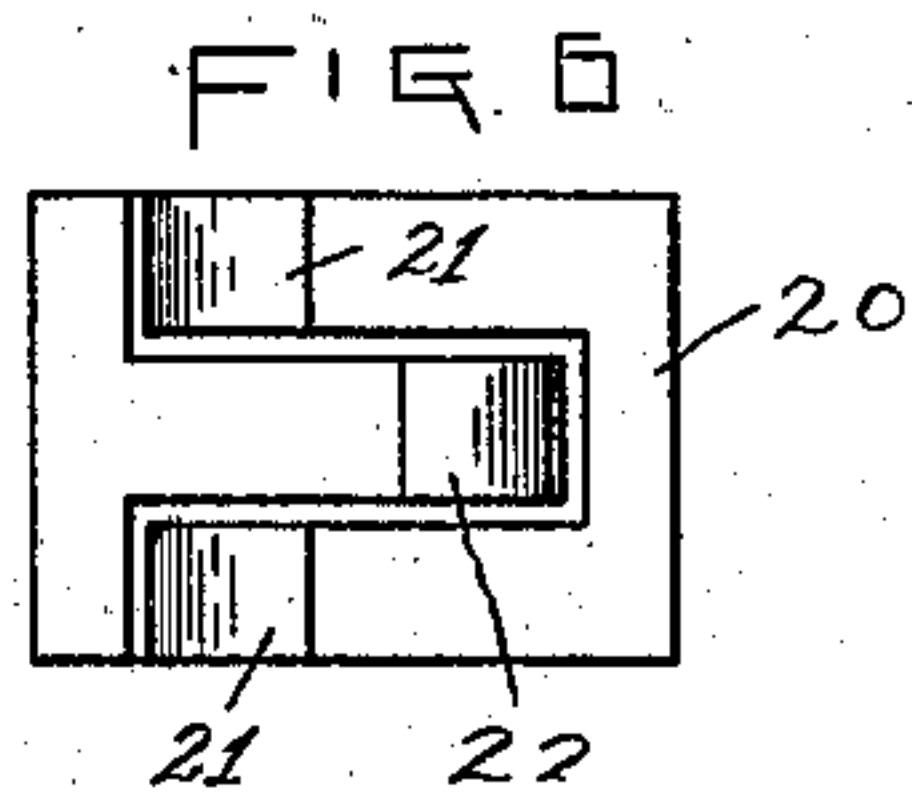
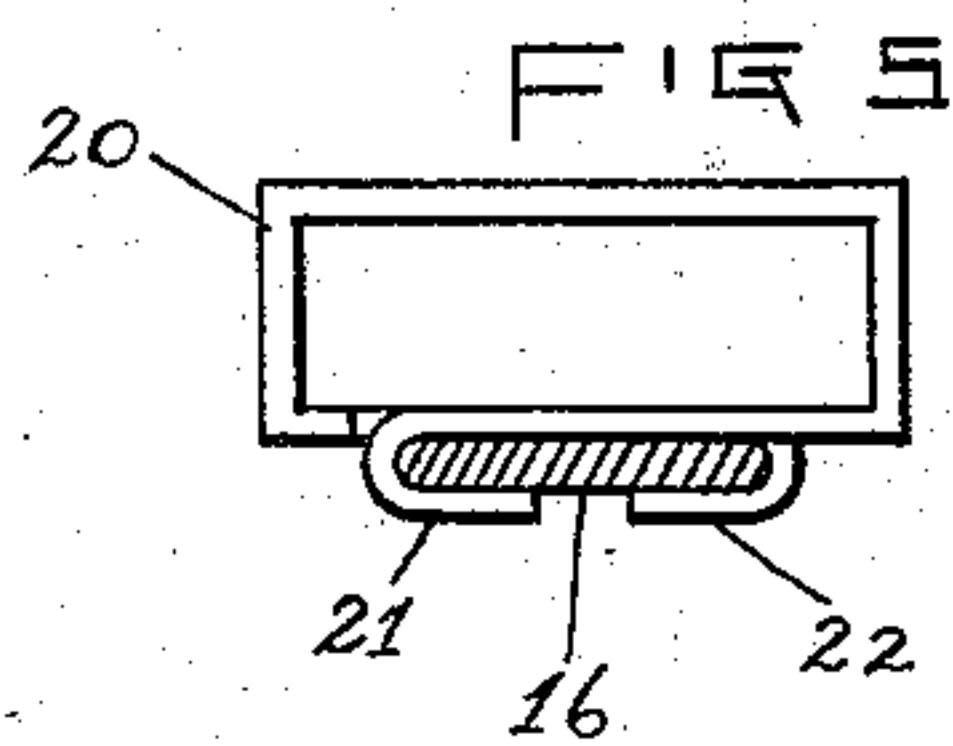
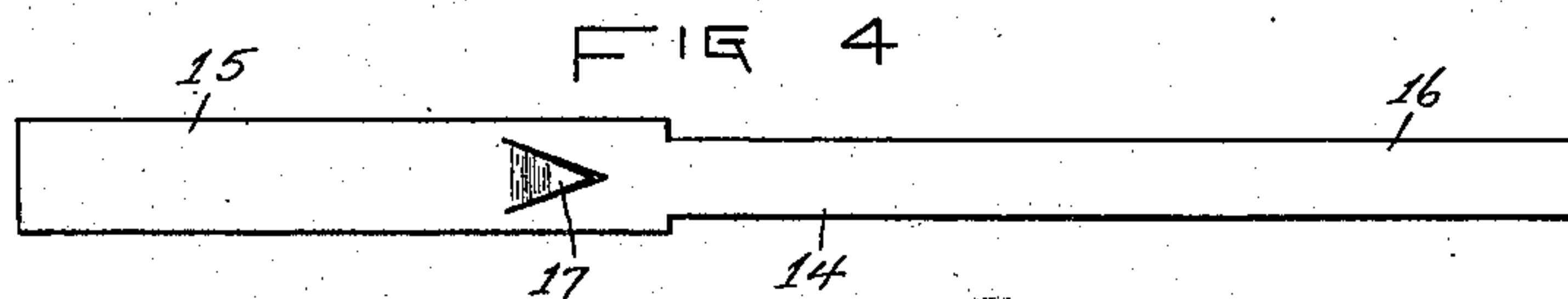
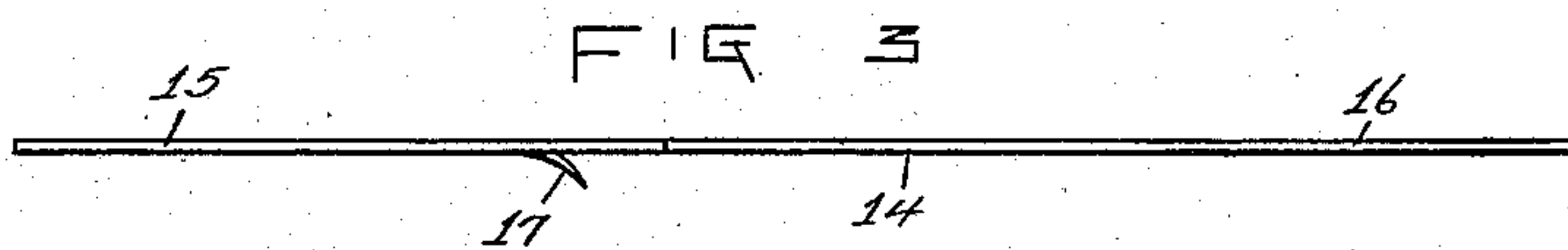
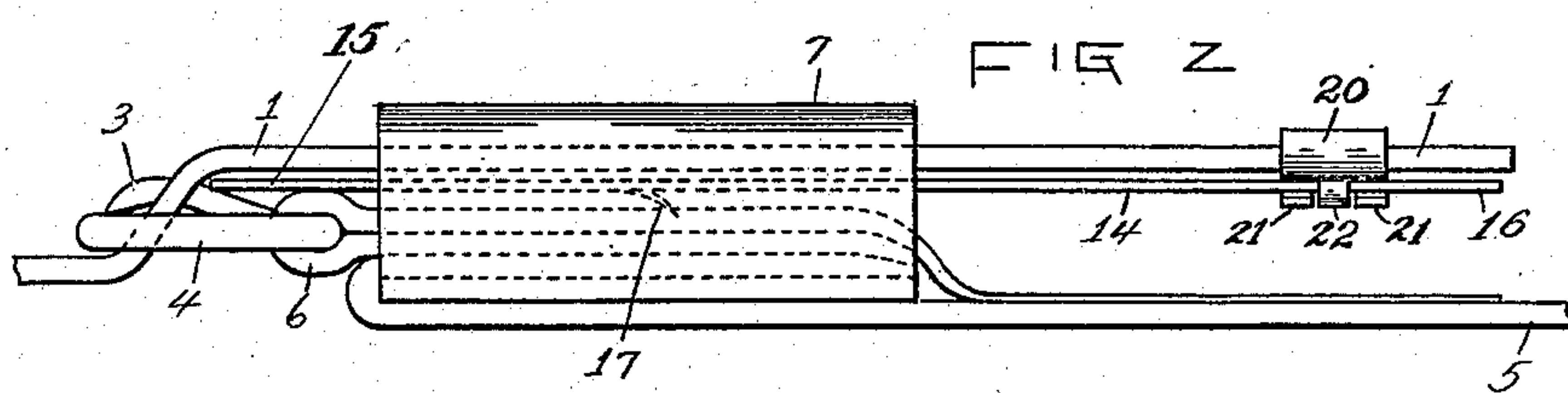
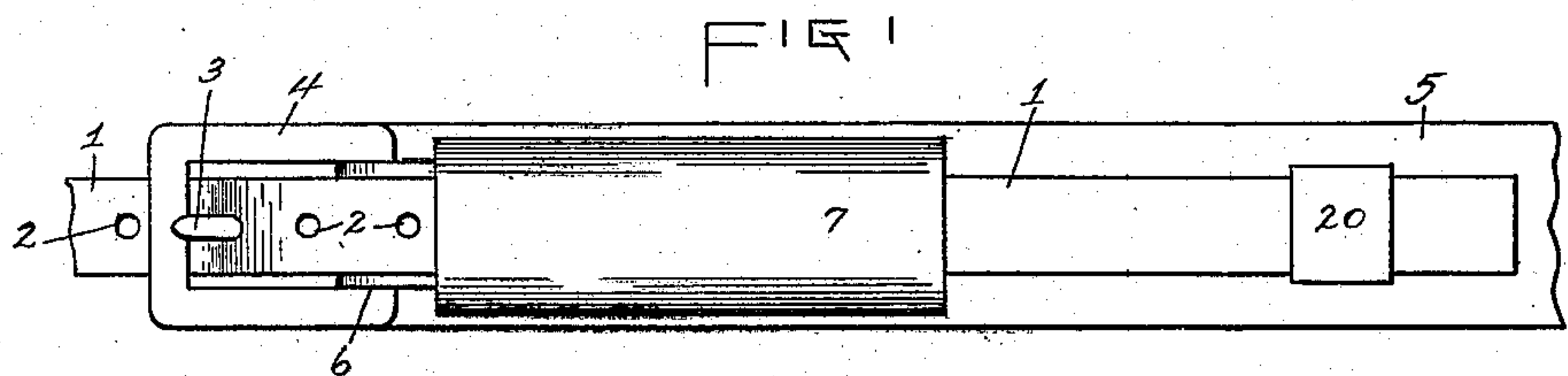


H. S. GEER.  
TRACE HOLDER.  
APPLICATION FILED OCT. 15, 1904.

900,066.

Patented Sept. 29, 1908.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

HARRIE S. GEER, OF WATERVLIET, NEW YORK.

TRACE-HOLDER.

No. 900,066.

Specification of Letters Patent.

Patented Sept. 29, 1908.

Application filed October 15, 1904. Serial No. 228,520.

*To all whom it may concern:*

Be it known that I, HARRIE S. GEER, a citizen of the United States, residing at Watervliet, county of Albany, and State of New York, have invented certain new and useful Improvements in Trace - Holders, of which the following is a specification.

The invention relates to such improvements and consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings, and the reference characters marked thereon, which form a part of this specification.

Similar characters refer to similar parts in the several figures therein.

Figure 1 of the drawings is a plan view of part of a harness showing part of a trace buckled to part of a breast-collar and provided with my improved attachment. Fig. 2 is an edge view of the parts shown in Fig. 1. Fig. 3 is an edge view of a supporting arm forming part of my attachment, detached. Fig. 4 is a plan view of the same. Fig. 5 is an end view of a metallic trace-loop secured to the supporting arm which is shown in cross-section. Fig. 6 is a bottom plan view of the trace-loop shown in Fig. 5, detached. Figs. 5 and 6 are made on an enlarged scale.

The traces of a harness are provided with a plurality of buckle holes so that they may be lengthened or shortened to accommodate the harness to horses of differing sizes, the free ends of the traces being inserted in loops on the harness.

When the traces are adjusted to their shorter lengths the free ends of the traces project a considerable distance through the harness loops, and these free ends hang down and present an untidy appearance.

The object of my invention is to provide a cheap and convenient means for securing the free ends of the traces in line with the traces so as to prevent the free ends from dropping or sagging.

The invention consists of an adjustable trace-loop preferably of metal, which may be moved along its support and secured in differing positions to accommodate its position to the length of the projecting free ends of the traces so as to secure the ends in line with the traces and prevent the sagging tendency as hereinafter more fully described and pointed out in the claims.

Referring to the drawings, the trace, 1, is provided with a plurality of holes, 2, adapted to receive the tongue, 3, of the buckle 4.

As shown in the drawings, 5, is a portion of the breast-collar of a harness to which the buckle is secured by the folded strip, 6, secured to the collar in the usual manner.

7 represents the usual trace-loop of leather which is permanently secured to the collar.

The arm, 14, preferably a thin strip of metal having an attaching shank, 15, approximately of the same width as the trace, at one end, and a slideway, 16, at its opposite end is inserted within the trace-loop, 7, with the shank located within the loop. After being inserted within the loop, the spur, 17, projecting from the shank engages the collar or the strip secured thereto, as shown by dotted lines in Fig. 2, and prevents the shank from being withdrawn from the loop toward the free end of the trace. It is prevented from passing in the opposite direction from the loop by contact with the buckle-tongue and the trace as seen in Fig. 2.

To withdraw the arm from the loop it is necessary to withdraw the free end of the trace from the loop after which the metallic arm can be removed from the loop in a direction toward the buckle.

The trace-loop, 20, which forms a part of my improved attachment is preferably made of thin sheet steel bent approximately to the form shown in Fig. 5, provided on its lower side with attaching clips, 21 and 22, adapted to embrace and bear against the edges of the slideway, 16, on the supporting-arm 14.

When it is desired to move the metallic loop, 20, along the slideway, 16, it is only necessary to grasp the sides of the loop between the thumb and finger and exert thereon sufficient pressure to release the hold of the clips upon the edges of the arm, 14, and slide the loop to the desired position on the slideway.

Upon releasing the sides of the loop the resilient nature of the loop causes the clips to firmly engage the arm and hold the loop in the desired position thereon.

What I claim as new and desire to secure by Letters Patent is:

1. A trace-holder attachment for harnesses, consisting of a detachable arm provided at one end with means for supporting the arm within the usual trace-loop of a harness and at its opposite projecting end with a slide-



way; a trace-loop movable along said slide-way; and means for securing the movable loop in differing positions on the arm, substantially as described.

- 5 2. The combination with an arm provided, at one end with a shank adapted to be inserted in the trace-loop of a harness, and an attaching spur adapted to engage with the harness to hold the shank within the loop,  
10 and at its opposite end with a slideway; of a metallic trace-loop provided with spring-

actuated attaching clips, whereby the metallic loop can be slid to and secured in differing positions on the slideway of the arm, substantially as described.

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In testimony whereof, I have hereunto set my hand this 28th day of September, 1904.

HARRIE S. GEER.

Witnesses:

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E. M. O'REILLY.