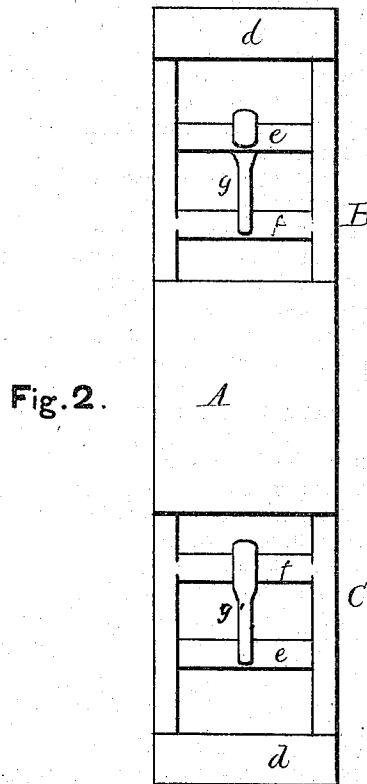
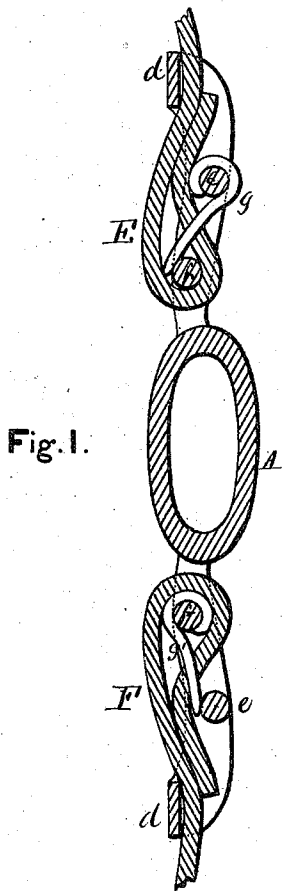


PHILIP A. SNYDER.

Trace-Carrier.

No. 126,753.

Patented May 14, 1872.



Witnesses.

L. Anderson
Villette Anderson

Inventor.

P. A. Snyder
Chipman & Hooper & Co.,
Attys

UNITED STATES PATENT OFFICE.

PHILIP A. SNYDER, OF BUTLERVILLE, OHIO.

IMPROVEMENT IN TRACE-CARRIERS.

Specification forming part of Letters Patent No. 126,753, dated May 14, 1872.

To all whom it may concern:

Be it known that I, PHILIP A. SNYDER, of Butlerville, in the county of Warren and State of Ohio, have invented a new and valuable Improvement in Buckles, &c.; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a longitudinal sectional side view of my invention. Fig. 2 is a front view of the same.

This invention has relation to harness-buckles; and the novelty consists in the combination of a belly-band buckle and loop, back-band buckle and loop, and trace-eye, constructed and adapted to their purposes, as hereinafter described.

Referring to the accompanying drawing illustrating this invention, A represents a metallic trace-eye, cast with the buckle-frames B C projecting from its upper and lower parts, as shown. These buckles are provided with the bars *d e f*, and are adapted, respectively, to hold the ends of the back-band E and belly-band F. *g* designates the tongue of the buckle B, and *g'* the tongue of the buckle C. The tongue *g* is hinged to the bar *e*, and rests its point on the bar *f*. The tongue *g'* is hinged to the bar *f* of the buckle C, and rests its point on the bar *e*.

Fig. 1 of the drawing shows clearly the manner of attaching the back-band and belly-band to their buckles, so as to conceal their ends and prevent the lines from catching them. The bars *d* are intended to press closely against the leather so as to prevent it from

slipping. Two of these combined buckles and trace-eyes are used for each set of single harness, or four for each set of double harness. So much of each of the buckles as is comprised by the bar *f* and the sides of the frame reaching thence to the trace-eye, constitutes a loop.

The device may consist of the back-band buckle, the trace-eye, and the loop only of the lower buckle, to which loop the belly-band may be secured by stitching; or the upper buckle may be dispensed with; the lower buckle being cast with the trace-eye, and the back-band, secured to the bar *f* or loop, used instead of the upper buckle. Again, the device may consist of the trace-eye and a single buckle adapted to hold either the belly-band or back-band; or it may consist of the trace-eye with loops for the bands, or with a loop for one band only.

When the trace-eye and upper buckle alone are cast together, the device may be used in connection with the hip-strap, the latter being secured to the buckle.

What I claim as my invention, and desire to secure by Letters Patent, is—

The trace-eye A, provided at one or both ends with the flat or undulating buckle or strap-loop B, having the end-guard *d* and the cross-bars *e f*, arranged to serve as a rest and pivot for the short reversed tongue *g*, the strap being doubled around the inner pin *f* next the trace-eye, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

Witnesses: PHILIP A. SNYDER.
GEORGE R. THOMPSON,
THORNTON THOMPSON.