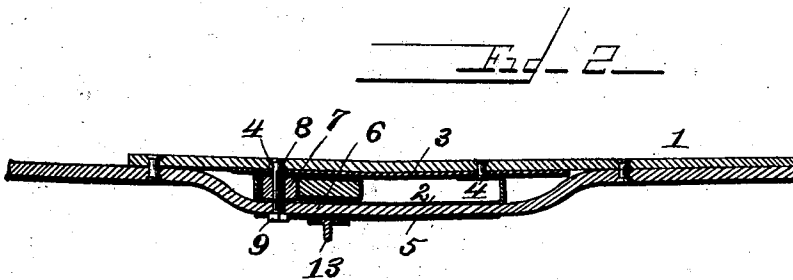
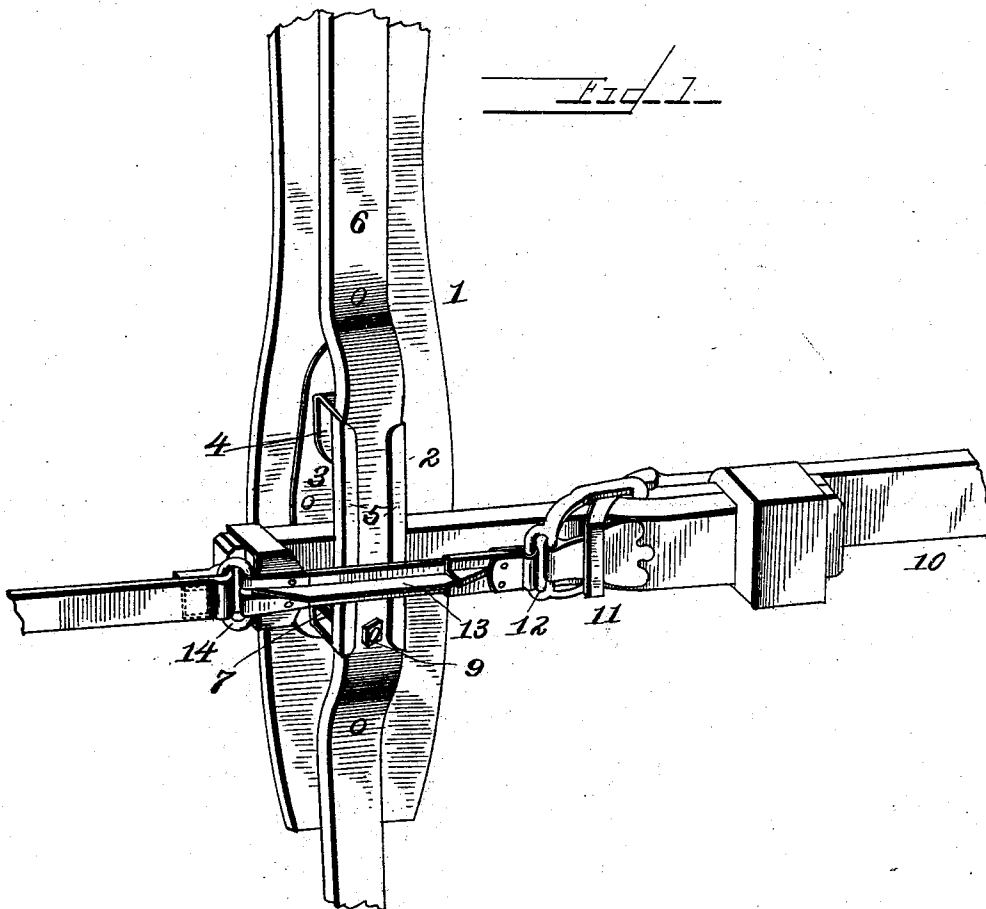


(No Model.)

J. H. RHOADS.
HARNESS.

No. 509,247.

Patented Nov. 21, 1893.



Witnesses

G. A. Taubenschmidt.

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UNITED STATES PATENT OFFICE.

JOHN HARRISON RHOADS, OF NOKOMIS, ILLINOIS.

HARNESS.

SPECIFICATION forming part of Letters Patent No. 509,247, dated November 21, 1893.

Application filed May 29, 1891. Serial No. 394,515. (No model.)

To all whom it may concern:

Be it known that I, JOHN HARRISON RHOADS, a citizen of the United States, residing at Nokomis, in the county of Montgomery and State of Illinois, have invented certain new and useful Improvements in Harness, of which the following is a specification.

My invention relates to an improvement in harness, the object being to provide an improved attachment between the trace and saddle skirt or back band in double harness.

The invention consists in providing the back band or saddle skirt with an elongated metallic loop through which the trace passes, and the trace with a metallic keeper or strap as hereinafter fully described.

In the accompanying drawing Figures 1 is a perspective view of so much of a harness as is necessary to illustrate my invention. Fig. 2 is a sectional view taken longitudinally through the back strap loop.

The numeral 1 indicates the back strap to which is secured a metallic loop 2 consisting of a base 3 riveted to the strap and a plate 4 bent upon itself at each end and secured to the base 3. The outer edges 5 of the plate 4 are bent upon themselves to embrace the strap 6, as shown.

7 indicates an anti-friction roller journaled upon a headed pin 8, extending transversely through the lower end of the plate 4 and held by a nut 9.

10 indicates the trace provided with any preferred form of buckle 11 having a loop 12 to which is secured loosely one end of a metallic keeper 13, the opposite end of which is

rigidly secured to a metallic loop loosely arranged upon the trace. The rear end of the keeper 13 is provided with a ring or loop 14 to which the hold back strap is to be attached. The keeper 13 rests on the outer side of the metallic back strap loop 2, and the lower edge of the trace rests upon the roller 7. This construction and arrangement of parts prevent undue movement of the back band or saddle and enables the team to hold back easier than with the usual trace connection.

Having fully described my invention, what I claim is—

The combination of the back-strap 1, the metallic loop 2, consisting of the base-plate 3 secured to the back-strap and the plate 4 bent upon itself at each end and secured to the base-plate and having its edges bent over and down as shown; a roller journaled in the lower end of the plates, the strap 6 held in the plate 4, the trace 10 arranged between the plates to bear on the roller, and the keeper 13 disposed over and across the strap 6 and having one end secured to the trace buckle and the other end rigidly secured to a metallic loop loosely arranged on the trace, a loop 14 in the end of the keeper and the hold-back strap attached to said loop 14, substantially as described and shown.

In witness whereof I hereunto set my hand in the presence of two witnesses.

JOHN HARRISON RHOADS.

Witnesses:

I. M. ASHFORD,
DENNIS P. BROPHY.