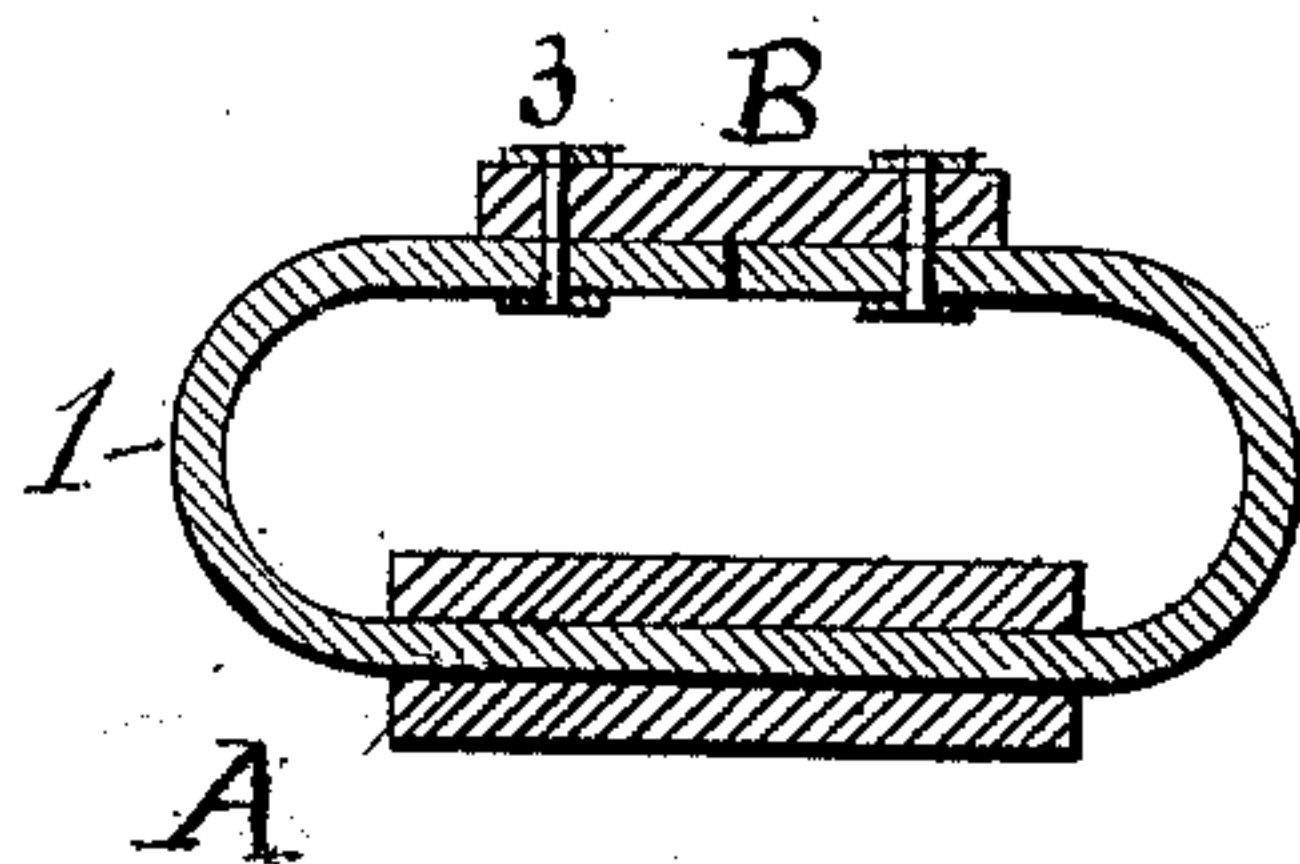
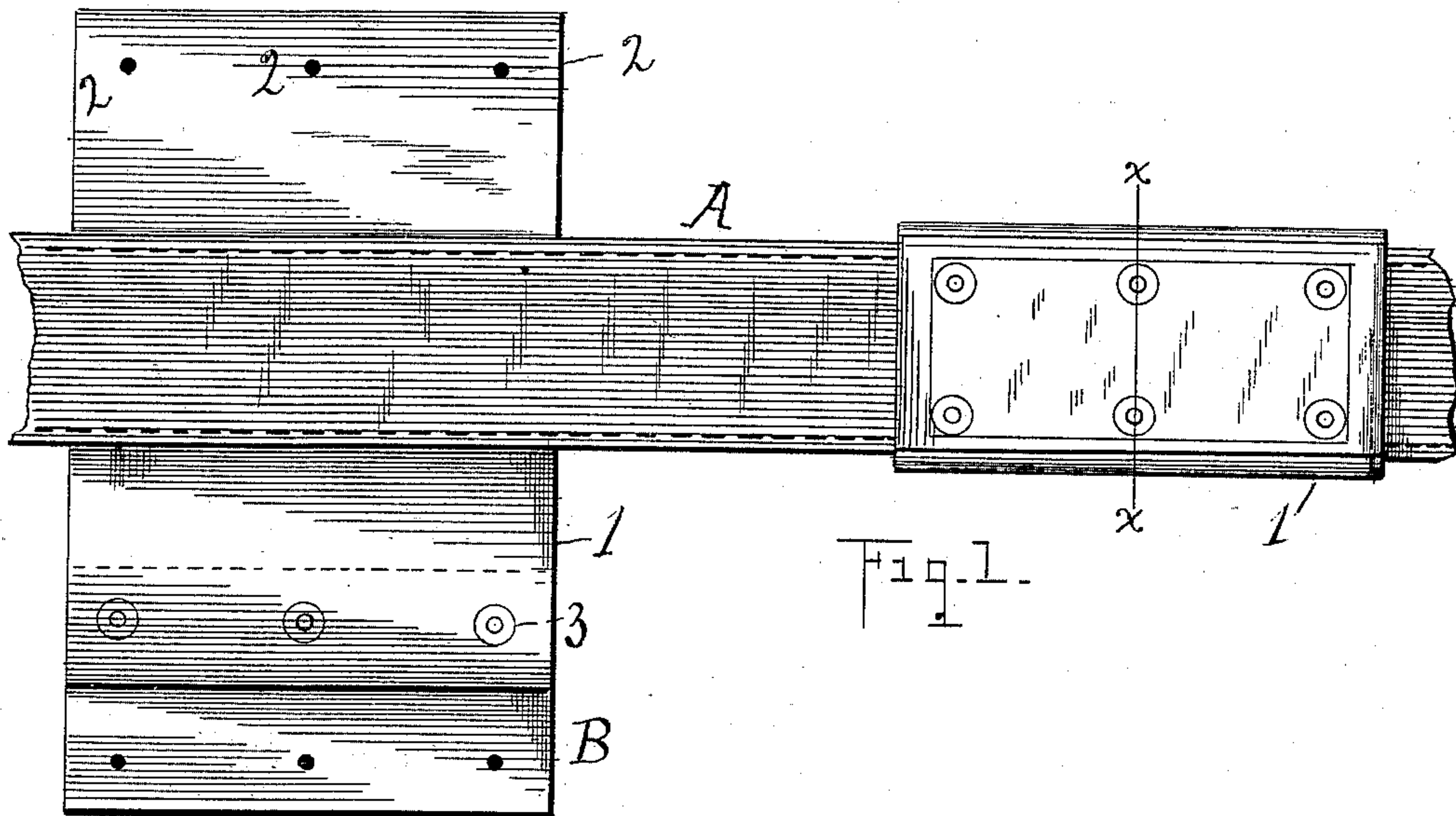


(No Model.)

J. N. BARR.  
HARNESS LOOP.

No. 409,726.

Patented Aug. 27, 1889.



Witnesses:

*W. F. Gardner.*

*W. J. Johnston.*

Inventor

*J. Nelson Barr*

By *Edward J. Underwood*  
Attorney

# UNITED STATES PATENT OFFICE.

JOHN NELSON BARR, OF EDGAR, NEBRASKA, ASSIGNOR OF ONE-HALF TO  
GEORGE D. BENJAMIN, OF SAME PLACE.

## HARNESS-LOOP.

SPECIFICATION forming part of Letters Patent No. 409,726, dated August 27, 1889.

Application filed April 19, 1889. Serial No. 307,844. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN NELSON BARR, a citizen of the United States, residing at Edgar, in the county of Clay and State of Nebraska, have invented certain new and useful Improvements in Harness-Loops; 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 and figures of reference marked thereon, which form a part of this specification.

My invention has relation to improvements in harness; and the object is to provide an improved loop or "keeper" for the ends of meeting straps, such as tugs or traces and other parts of harness. I have hereinafter described my improvements with such specificity as to distinguish the invention from other and prior devices, and have specifically pointed out and distinctly claimed what I claim as my invention.

The accompanying drawings clearly illustrate my invention, wherein—

Figure 1 is a plan view of a tug-strap having attached thereto one of my improved keepers at one part, and at another part is shown the blank extended with keeper-plate attached. Fig. 2 is a transverse section taken on the line  $x x$  of Fig. 1.

A designates a trace or tug-strap, between the layers of which is sewed a blank 1, constituting the body of the keeper. The extended sides of this blank form when their ends are brought together over the middle of the strap the body of the keeper under which the end of the lapped strap lies.

Parallel with the meeting line of the turned-over sides of the body of the keeper are formed a series of holes 2, arranged, preferably, opposite to each other, to receive the rivets which unite the cap-plate to the keeper.

B designates the cap-plate of the keeper, which may consist of leather, rubber, or metal, and may be provided with a monogram or

other device. This plate has holes along its side edges to accord with those made in the keeper-blank, and through these holes are projected rivets 3, which, being clamped firmly and durably, secure the cap to the keeper-blank, making a sightly and pleasing finish.

To apply my improved keeper, the blank 1 is arranged between the plates of the strap with its sides projecting evenly on both sides of the strap, when it is sewed by stitching, as indicated in the drawings.

The cap-plate may be secured to one of the projecting side pieces either before or after the blank 1 is sewed in position, and then the ends of the blank being turned up and over the rivets may be passed through the holes prepared for them and clamped or riveted.

It will be perceived that I attain the advantage of having an integral layer of the blank between the layers of the strap, so that even should the stitches break the keeper remains in its place, and by means of the strong cap-plate rigidly and firmly secured in place the whole keeper is given those qualities which render it durable, sightly, and efficient.

What I claim is—

In combination with the trace-strap consisting of two layers, the blank to form the loop formed of a single piece passing between the layers and secured therewith by stitches or rivets, and having its ends brought together to form the loop, and provided with a series of openings in each of its ends, and a cap-plate having openings corresponding with those in the ends of the loop, and a double series of rivets passing through these openings and securing these parts, so that if the loop is broken from its attachment to the trace or strap the loop will remain operative, all substantially as described.

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

J. NELSON BARR.

Witnesses:

W. L. MCCAMMON,  
GEO. D. BENJAMIN.