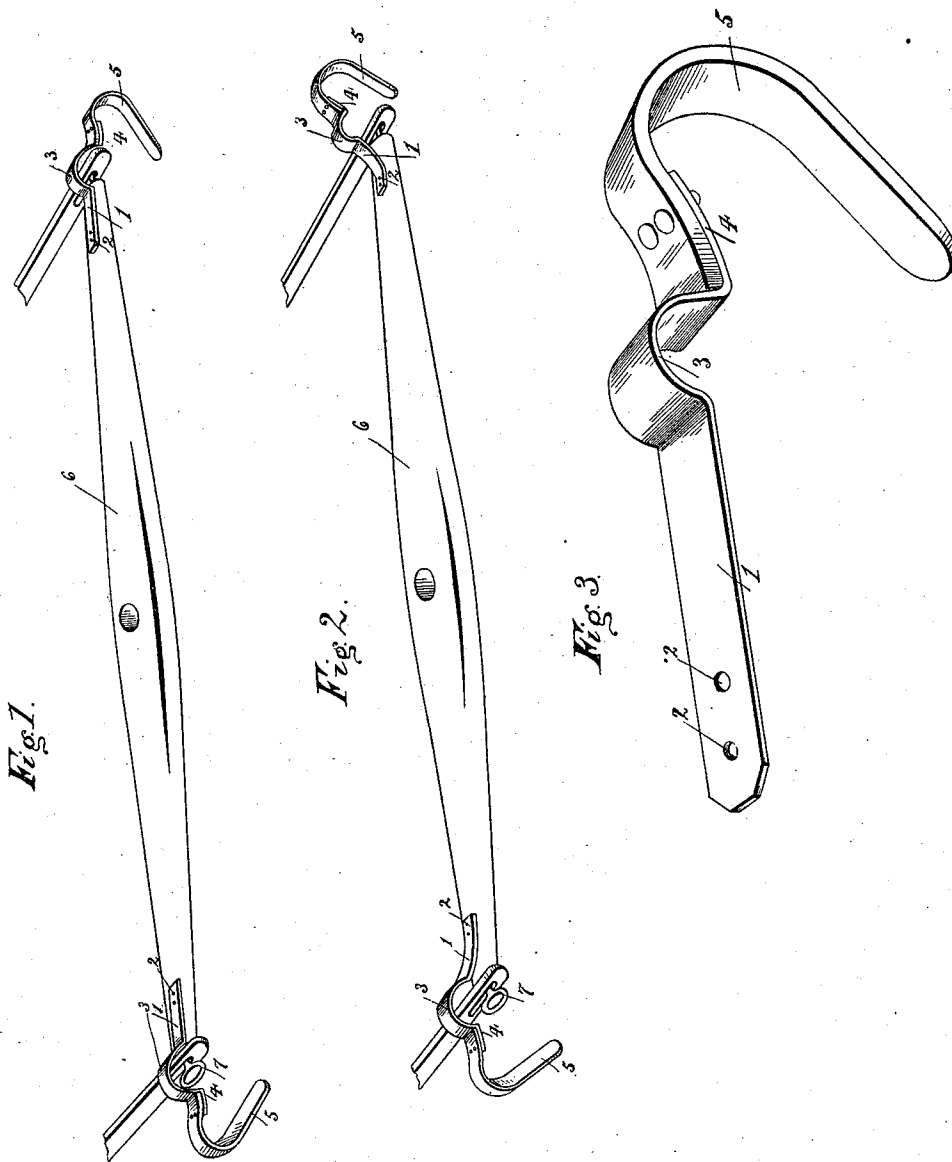


(No Model.)

J. W. McNEILL.
HARNESS ATTACHMENT.

No. 478,124.

Patented July 5, 1892.



Witnesses

L. C. Tunn

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UNITED STATES PATENT OFFICE.

JAMES WILLIAM MCNEILL, OF FAYETTEVILLE, NORTH CAROLINA.

HARNESS ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 478,124, dated July 5, 1892.

Application filed April 7, 1892. Serial No. 428,147. (No model.)

To all whom it may concern:

Be it known that I, JAMES WILLIAM MCNEILL, a citizen of the United States, residing at Fayetteville, in the county of Cumberland and State of North Carolina, have invented a new and useful Harness Attachment, of which the following is a specification.

This invention relates to harness attachments, and has especial reference to a device applied to opposite ends of a singletree or a whiffletree for the purpose of preventing the traces from becoming disengaged and the reins from being caught under the ends of the same, as will be more fully hereinafter described and claimed.

The object of this invention is to provide means whereby a trace may be quickly attached to a singletree or a whiffletree and readily removed therefrom, when desired, without any undue manipulation of complex mechanism and still preserve an advantageous and beneficial securing means.

In the drawings, Figure 1 is a perspective view of a whiffletree and a portion of traces, showing the improved attachment in connection therewith and in locking position. Fig. 2 is a similar view showing the attachment raised for the purpose of detaching the traces. Fig. 3 is a detailed perspective view of the improved attachment.

Similar numerals of reference indicate corresponding parts in the several views.

Referring to the drawings, the numeral 1 designates a metallic spring-strip constructed of suitable length and having openings 2 therein for the purpose of securing the same in position. The said openings 2 are situated near the inner end of the strip 1, and at the opposite end is formed a loop 3, which has its outer portion depending below the plane of the strip 1 and the terminating end 4 thereof bent outward at substantially a right angle, to which is secured a stout or stiff strap 5. The strip 1 lies on the top of the singletree or whiffletree 6, and the loop 3 normally depends over the cockeye 7, with the strap 5 extending at an angle under the end of the singletree or whiffletree.

In connecting the trace the terminating end 4 is used as a finger-piece to raise the strip 1 and clear the loop 3 from the cockeye

7. The trace end is then fitted over the cockeye and the strip 1 permitted to snap back into its normal position, thereby bringing the loop 3 over the end of the cockeye and the attached portion of the trace to securely hold the latter in connected position. Owing to the depending strap 5, the reins dropping below the singletree or whiffletree would bear against said strap and be prevented from catching on the end of the singletree or whiffletree when raised, as will be readily apparent.

The advantages of a device of this character are manifold, and owing to the simplicity of construction of the several parts the device entire is comparatively inexpensive, and thereby cheaply manufactured.

The metallic spring-strip may be readily shaped and arranged to fit any form of singletree other than that shown without in the least departing from the nature or spirit of the invention.

Having thus described the invention, what is claimed as new is—

1. The combination, with a singletree or whiffletree, of a metallic spring-strip secured at its inner end and having a loop at its outer end adapted to fit over the cockeye, and a flexible strap of leather secured to the outer end of said strip, said strap normally extending inward at an oblique angle and unattached at its free end, substantially as and for the purpose set forth.

2. As an improved article of manufacture, a locking device for trace ends, consisting of a spring metallic strip secured at its inner end and having a loop at the outer end thereof, with a terminating portion extending in a plane substantially parallel with the main body of the strip, and a flexible strap of leather connected to said terminating portion, said strap normally extending inward at an oblique angle and unattached at its free end, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JAMES WILLIAM MCNEILL.

Witnesses:

C. L. TAYLOR,
J. T. DENNY.