H. R. WOODCOCK.

COMBINED TUG AND PAD LOOPS FOR HARNESS.

No. 192,476. Patented June 26, 1877.

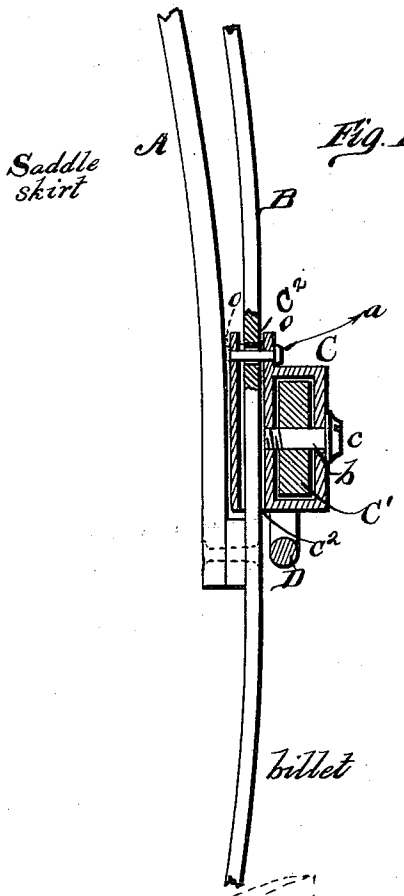


Fig. 1.

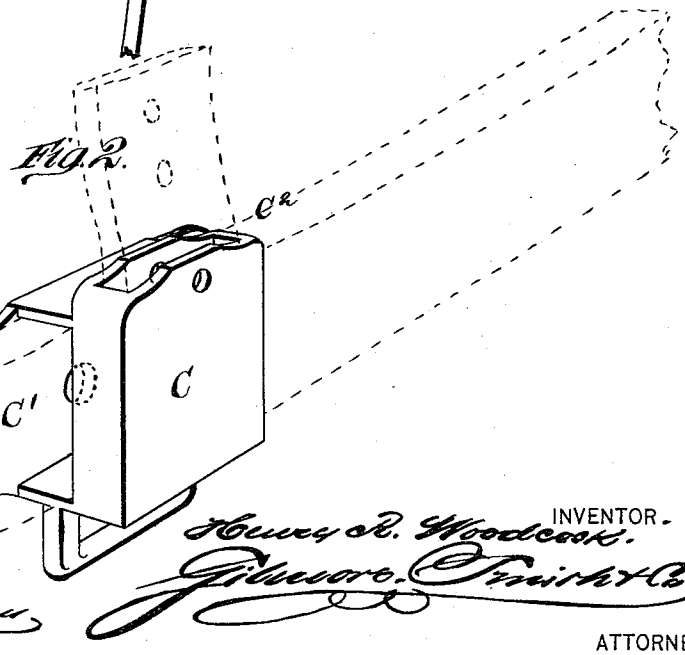


Fig. 2.

WITNESSES

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UNITED STATES PATENT OFFICE.

HENRY R. WOODCOCK, OF GREENE, IOWA, ASSIGNOR OF ONE-HALF HIS RIGHT TO SAMUEL W. SOESBE, OF SAME PLACE.

IMPROVEMENT IN COMBINED TUG AND PAD LOOP FOR HARNESS.

Specification forming part of Letters Patent No. **192,476**, dated June 26, 1877; application filed March 24, 1877.

To all whom it may concern:

Be it known that I, HENRY R. WOODCOCK, of Greene, in the county of Butler and State of Iowa, have invented a new and valuable Improvement in Double Tug and Pad Loop for Hames; 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 drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a central vertical section of my loop for harness, and Fig. 2 is a plan view thereof.

The object of this invention is to provide a metallic double buckle or loop for suspending traces; and it consists in the peculiar construction thereof hereinafter particularly described.

In the accompanying drawing, A′ designates the saddle-skirt of a harness, having the band B secured to its lower end, which band projects upwardly and passes through the passage C^2 of the double loop C, having also the passage C^1 at right angles to the passage C^2, for the reception of the trace.

The upper part of the loop C is provided with perforations *o o*, for the reception of the pin *a*, which passes through one of a number of holes in the upper end of the band B, by means of which the loops may be vertically adjusted.

c is a screw, passing through perforations *b* in the side walls of the passage C^1, and also through one of a number of perforations in the trace, by means of which the latter can be adjusted longitudinally. D is a loop for the shaft belly-band.

By means of the above-described construction, the band B and trace pass through independent passages and do not rub together, and the side of the horse is protected from injury by the rubbing of the double loop against his side by the saddle-skirt A′, against which it bears.

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

The saddle-skirt A′, provided with the upwardly-projecting band B, in combination with the double loop C, having the perforated passages C^1 C^2 at right angles to each other, screw *c*, and pin *a*, substantially as described, and for the purpose set forth.

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

HENRY R. WOODCOCK.

Witnesses:
L. C. WELTON,
J. B. NEWELL.