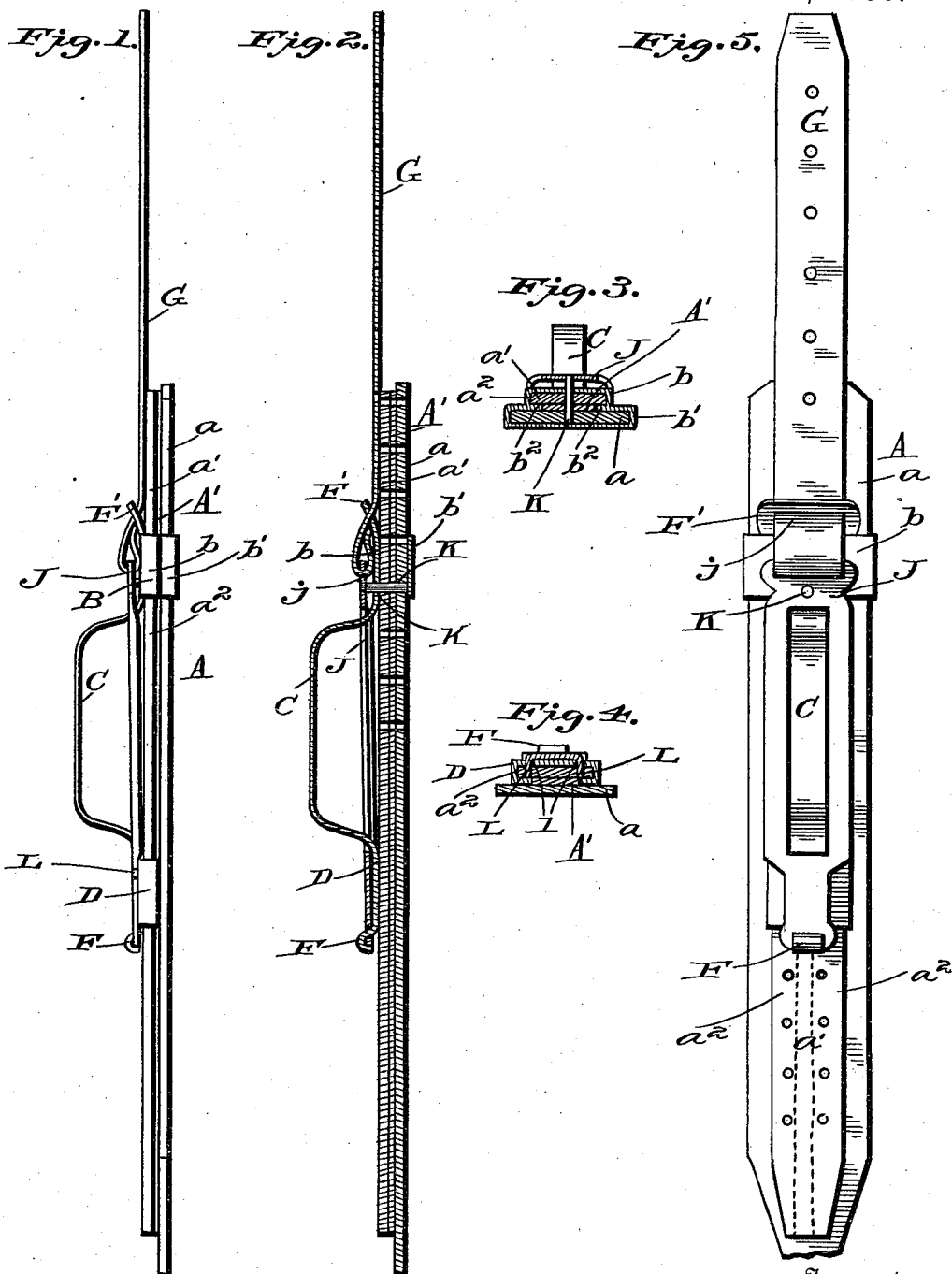


(No Model.)

S. E. PURDUM.
ADJUSTABLE TRACE LOOP.

No. 574,165.

Patented Dec. 29, 1896.



Witnesses
Edwin G. M^{rs} Lee
K. A. Han

Inventor
Samuel E. Purdum
By John Hedderburn
his Attorney.

UNITED STATES PATENT OFFICE.

SAMUEL E. PURDUM, OF MACOMB, ILLINOIS.

ADJUSTABLE TRACE-LOOP.

SPECIFICATION forming part of Letters Patent No. 574,165, dated December 29, 1896.

Application filed March 23, 1896. Serial No. 584,809. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL E. PURDUM, a citizen of the United States, residing at Macomb, in the county of McDonough and State of Illinois, have invented certain new and useful Improvements in Adjustable Trace-Loops; and I do hereby 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.

This invention relates to certain new and useful improvements in adjustable trace loops or hooks for harness; and it has for its objects, among others, to provide a simple cheap adjustable trace-loop in which is provided a shifting or adjustable loop that may be raised or lowered to suit any-sized horse or adapt the harness to any kind of draft or high or low hitch.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is an elevation of my improved device. Fig. 2 is a vertical longitudinal section through the same. Fig. 3 is a cross-section. Fig. 4 is another cross-section, and Fig. 5 is a face view.

Like letters of reference indicate like parts in the several views.

Referring now to the details of the drawings by letter, A designates the side strap, which consists of two strips of leather a^1 , sewed together by two rows of stitching down the center of the smaller strip, so as to leave the flanges a^2 upon opposite sides, there preferably being an interposed narrow strip of leather A' , as shown, so as to raise the upper strip slightly from the under.

B is a loop formed double with a loop portion b to embrace the upper strap and another loop portion b' to embrace the under strap, the portion between the two being such as to provide the inwardly-extending portions b^2 , which ride between the two straps. These loops are adapted to be made or adjusted on the straps as may be desired.

Extending from the upper loop is the loop C, made, preferably, of bendable material, and its other end terminating in a loop D, which embraces the upper strap. This loop terminates in the hook or analogous device F, while the front loop terminates in the elongated eye F' , to which the strap G is designed to be connected, this strap being connected at the other end with the loop eye or keeper J, which is provided with an elongated slot j , which receives the elongated loop, and its other end pivotally connected in the hook on the rear end of the loop. This keeper is provided at its front end with a projecting pin K, adapted to pass through a suitable opening k in the upper loop at this end and into a corresponding hole in the upper strap and, if need be, into the lower strap, and near its pivot this keeper is provided with the tongues or spurs L, adapted to pass through openings l in the rear loop and into the strap.

The operation is as follows: The trace is drawn out of the loop, and the belly-band strap that is sewed into the lowermost loop is drawn out of the keeper. The keeper is then raised until the small pins or tongues are out of the holes. Then slide the device up or down, as may be desired, until the pins engage the required holes in the strap. Then place the keeper in position, and the parts are securely held. This makes a good solid immovable loop that cannot possibly come off or become loose and may be attached to any kind of back-band or saddle.

Modifications in details may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

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

1. The combination with the strap, of the loops embracing the same and adapted to slide thereon, the elongated loop and the pivoted keeper, pivotally connected in the hook on the rear end of the loop, substantially as described.

2. The combination with the strap, of the loops embracing the same and adapted to slide thereon, the elongated loop and the pivoted keeper, the latter being provided with a depending portion adapted to pass through the loops into the strap, substantially as described.

3. The combination with the strap in two pieces, one above the other, of the loops embracing the upper and lower pieces of the strap, the loop extending from the upper loop
5 and terminating at the other end in a loop embracing the upper strap, and a keeper pivotally mounted on the last-mentioned loop, substantially as described.

4. The combination with the strap in two
10 pieces, one above the other, of the loops embracing the upper and lower pieces of the strap, the loop extending from the upper loop and terminating at the other end in a loop embracing the upper strap, and a keeper piv-
15 otally mounted on the last-mentioned loop, and having depending pins, substantially as described.

5. The combination with the strap in two pieces, one above the other, of the loops embracing the upper and lower pieces of the 20 strap, the loop extending from the upper loop and terminating at the other end in a loop embracing the upper strap, and a keeper pivotally mounted on the last-mentioned loop, and having depending pins and an elongated 25 slot, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

SAMUEL E. PURDUM.

Witnesses:

FRANK KNIGHT,
LUTHER E. COLE.