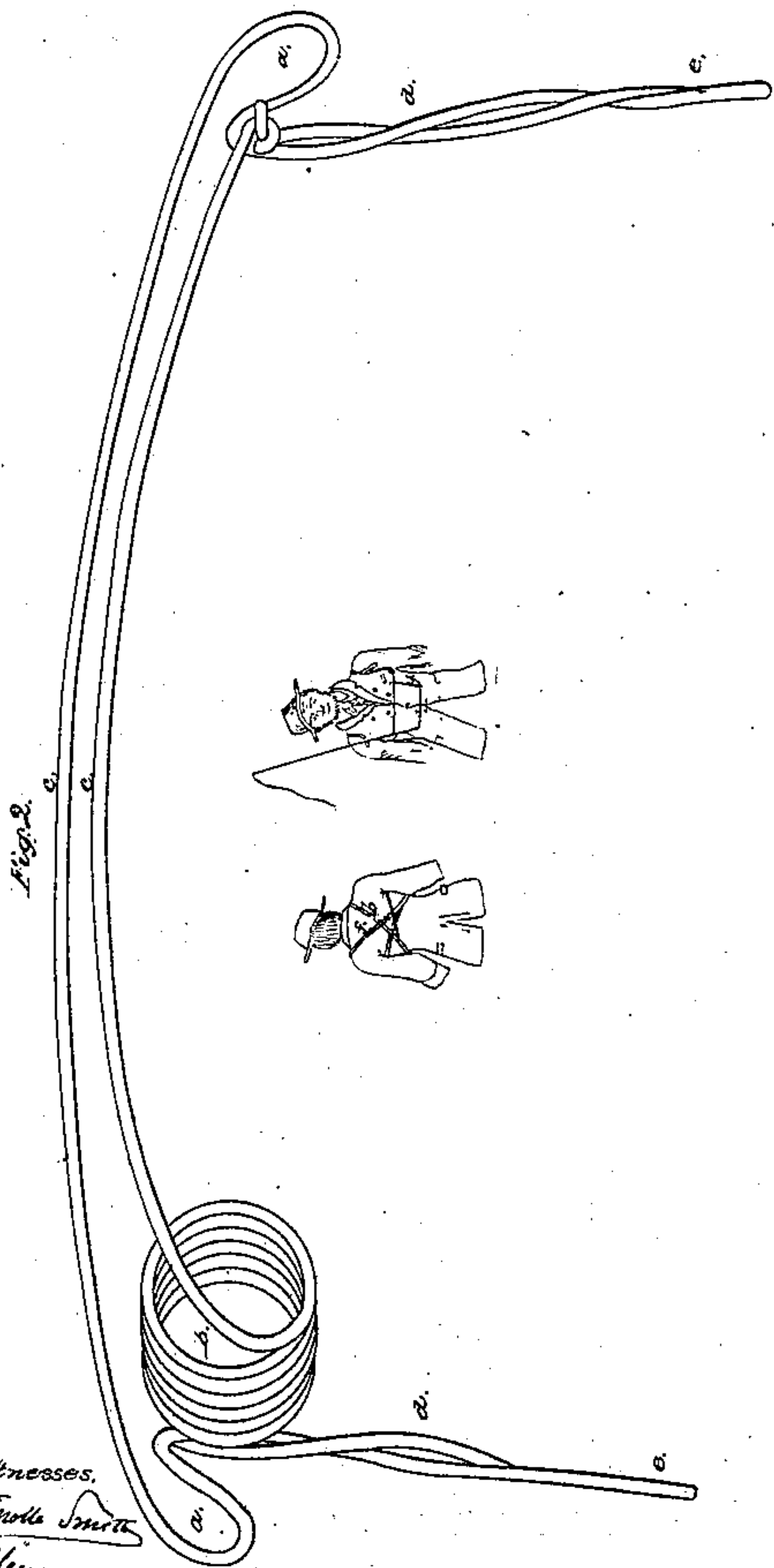
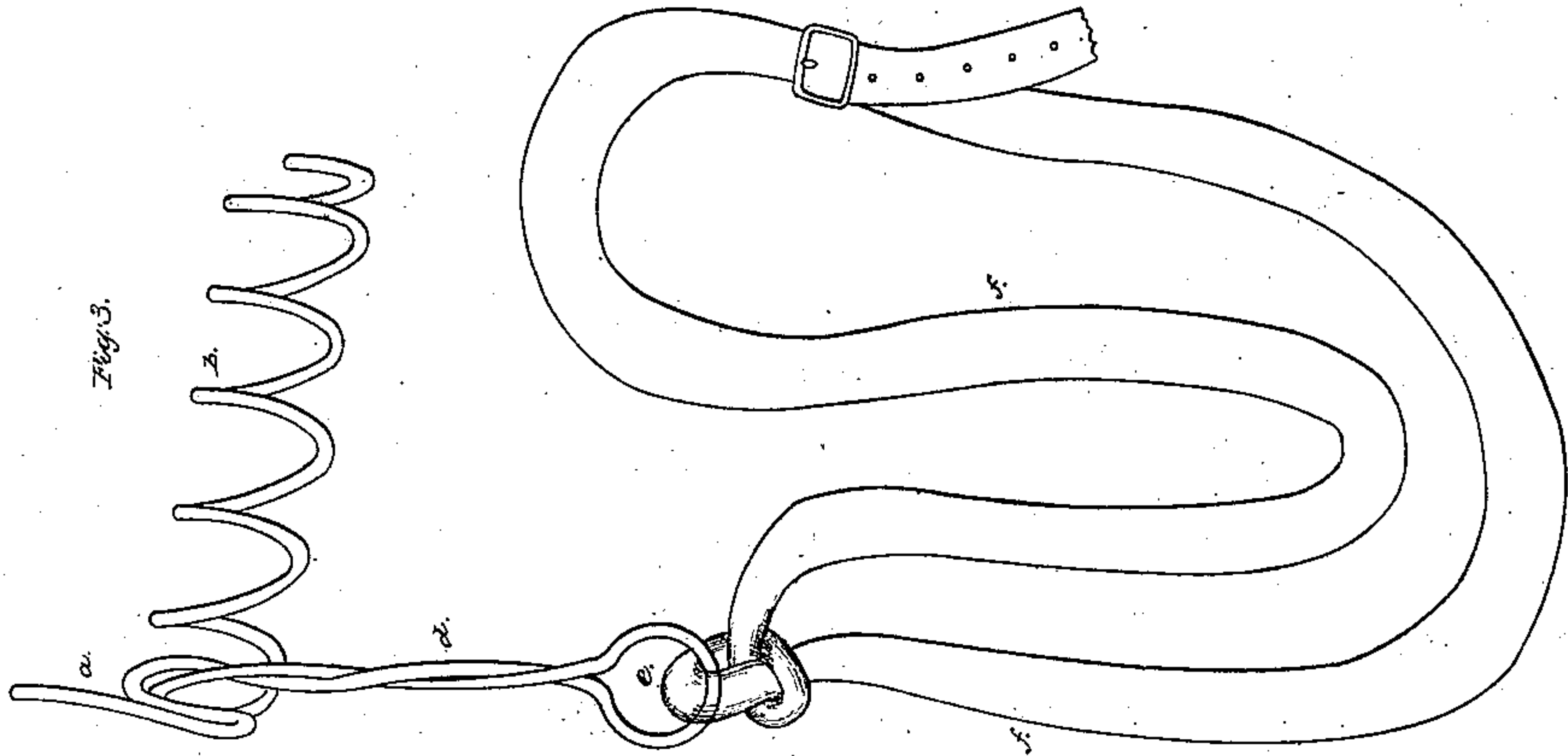


*L. Leavenworth,*

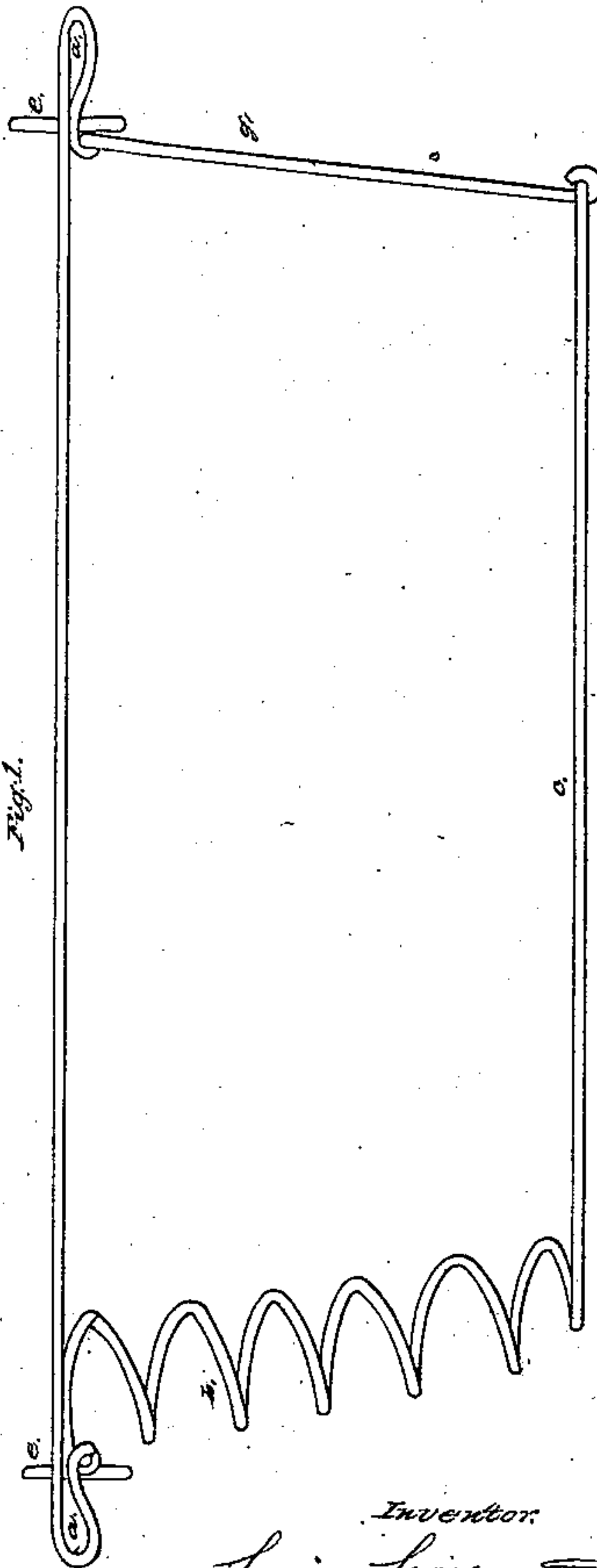
*Harness,*

*N<sup>o</sup> 24,470.*

*Patented June 21, 1859.*



Witnesses,  
*V. D. Smith*  
*B. Allen*



Inventor:  
*Lucius Leavenworth*

# UNITED STATES PATENT OFFICE.

LUCIUS LEAVENWORTH, OF TRUMANSBURG, NEW YORK.

WHIP AND LINE HOLDER FOR GUIDING HORSES WITHOUT THE USE OF THE HANDS.

Specification of Letters Patent No. 24,470, dated June 21, 1859.

*To all whom it may concern:*

Be it known that I, LUCIUS LEAVENWORTH, of Trumansburg, county of Tompkins, and State of New York, have invented a new and Improved Device or Apparatus for Holding the Whip and Guiding the Horses When Driving Without the Use of the Hands; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

This invention consists in arranging two rim hooks or knobs united by cross bars or braces and provided with a whipsocket in such a manner, that a frame is formed, which by the aid of suitable webbing loops and webbing fasteners can be attached to the body of a person by passing the webbing or other fastening under the arm on each side and over the opposite shoulder, the webbing crossing on the back—*i. e.*, the webbing attached to the right side of the frame passes over the left shoulder and that attached to the left side over the right shoulder, the arms in each case passing through the webbing. When thus fastened, the reins are passed over the rein hooks or knobs, (the reins being in one piece,) and are drawn to the right or left by turning the body to the right or left.

The apparatus, except the webbing or straps for fastening to the body, I make of a single piece of wire, of suitable size, so bent as to form two cross pieces, or bars, or braces in front of the body,—(and four inches apart, more or less,) with or without a coiled whip-socket on the right side, a rein-hook, or extension, or knob, on each end of the upper cross-bar,—an extension back on each side, on a plane with the upper cross bar, having loops in which to fasten the webbing or straps,—and an upright piece passing down on the left side from the upper to the lower cross-bar, uniting and supporting them.

The cross-bars may be made to correspond to the form of the body, and should be from eight to twelve or more inches long,—the longer the more control they give to lines,—and are designed to support at the same time that they separate the rein-hooks.

Corresponding letters on different figures represent the same parts.

Figure 1 is a front view of the apparatus constructed with a whip socket; Fig. 2, a view from below; Fig. 3, a view of the right side, with webbing or straps attached.

Letters *a, a*, represent the rein-hooks, or loops.

Letters *b, b*, represent the coil for whip socket.

Letters *c, c*, represent the cross bars or braces.

Letters *d, d*, represent the extension back, with the loops or rings *e, e*, in which to fasten the webbing or straps, "*f*."

Letter *g*, is the left brace from the upper to the lower cross-bar or brace.

I do not consider the exact form or proportion of material consequence; nor is it actually necessary that it should be made of one piece. Neither is it necessary to have the lower cross piece, unless the whip socket is required.

For the purpose of guiding and controlling the reins only, a single crossbar with the rein-hooks attached, or even a strap with proper hooks and similarly fastened to the body, without any metallic piece crossing from one hook to the other, might answer the purpose.

The object of this invention is to enable a driver or teamster or plowman to hold or guide his team, at the same time that his hands are free to guide the plow, or to use in any other manner, or in cold weather to keep warm in his pockets.

In case of accident the lines can be detached from the hooks or loops with ease.

What I claim as my invention and desire to secure by Letters Patent is—

The arrangement of the reinhooks or knobs *a a* which are united by one or more crossbars or braces and which are provided with a whipsocket or without the same, in such a manner, that a frame is formed, which by the aid of suitable shoulder straps or their equivalents may be secured to the body of a person substantially as and for the purpose described.

LUCIUS LEAVENWORTH.

Witnesses:

J. O. M. INGERSOLL,  
GEO. H. BLOOD.