L. D. Woodmansee.

Driving-Line.

No. 75614 Patented Mar. 17, 1868

Fig. 1.

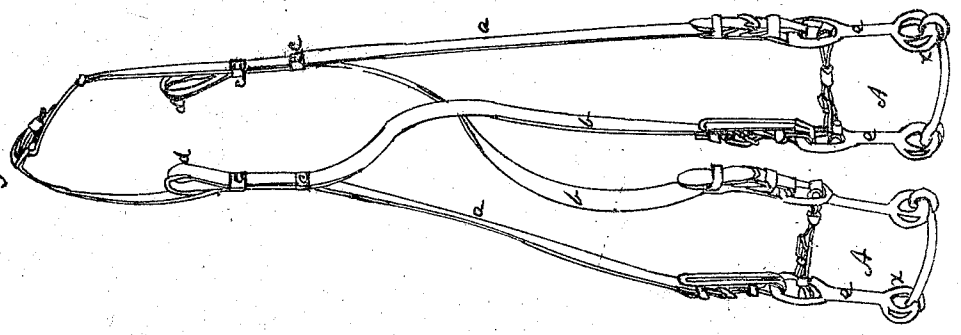
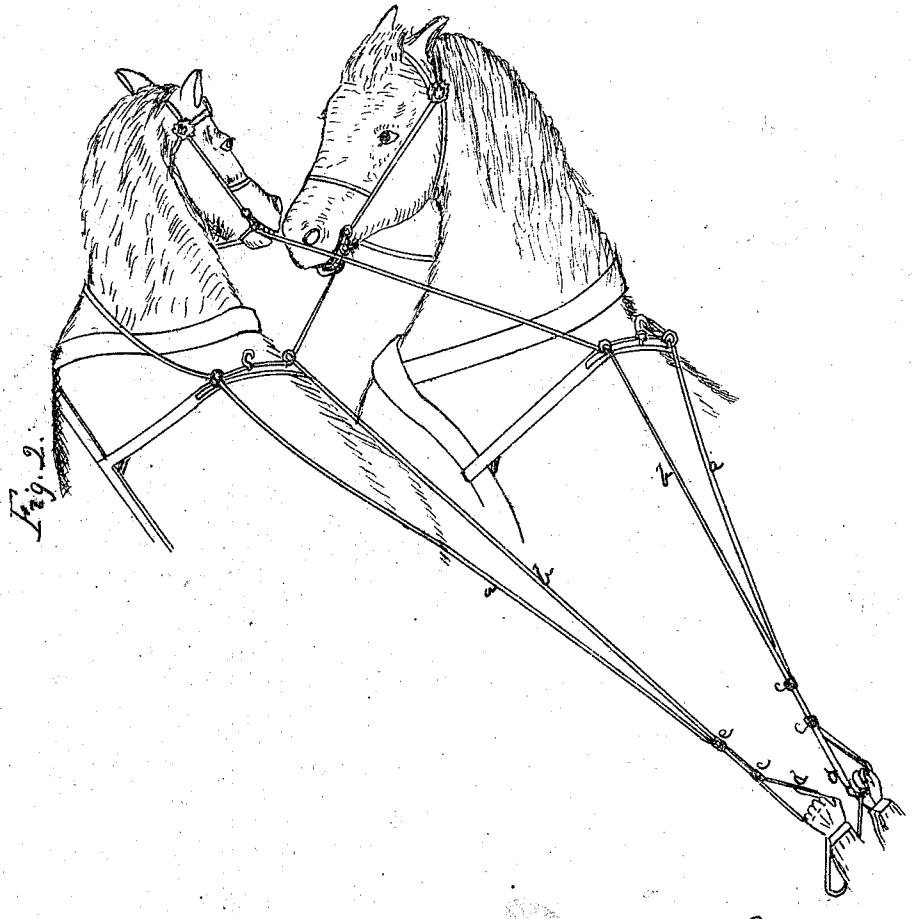


Fig. 2.



Witnesses
H. R. Peck
T. H. Robertson

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By his atty
H. R. Peck

United States Patent Office.

L. D. WOODMANSEE, OF DAYTON, OHIO.

Letters Patent No. 75,614, *dated March* 17, 1868.

IMPROVEMENT IN DRIVING-LINES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, L. D. WOODMANSEE, of Dayton, in Montgomery county, in the State of Ohio, have invented a new and useful Improvement in Lines to Drive or Guide Horses, and to stop runaway horses; 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.

Figure 1 represents my improved lines attached to my patented bridle-bit.

Figure 2 represents my lines as applied to use upon a pair of horses.

The object of my invention is to construct lines for managing horses, in such a manner as to enable a person to perfectly control restive or runaway horses with promptness, ease, and certainty, and to manage either of the horses of a span, and regulate his speed and gait, without affecting the gait of the other.

The outside lines, *a a*, do not differ in their construction from those in general use. But the check-lines *b b*, instead of being connected midway of the length of the outside lines, are made to extend through the loops *e e*, which are fastened to the outside lines, so as to form the loops *d d*, where the driver can conveniently grasp them with his hands. The two outside lines are made longer than the checks *b b*, so that the lines may be used for ordinary occasions.

To use my improved lines most effectively, I employ with them my patented bridle-bit, A, which has the bars *e e*, to which the lines are buckled, extending downwards and rearwards across the under jaw of the horse. To check and stop a span of runaway horses, the driver will pull the check-lines *b b*, at the same time keeping the outside line taut, which will turn the horses' heads inwards towards each other, as represented in the drawings in fig. 2; and their heads being brought into that position allows the driver sufficient advantage and purchase to draw the under jaw of the animal laterally, and to cramp the jaw and neck so as to force him to yield to the control of the driver. The effect of thus pulling the jaw of a horse laterally, when the neck is bent and slightly twisted, will be to completely enervate the animal and relax his power of resistance, so that he may be easily controlled.

When the lines and bit are used for stopping runaway horses, their heads are turned inwards, as before stated, and the mouth-piece and bar *e'* form an acute angle, so as to clamp the side of the animal's jaw at the point indicated by the letter *x*. My bit is designed to guide horses, as described in my patent dated January 1, 1867, and serves effectually for the purpose designed, and is, therefore, best adapted to be used with my improved lines, because the bit will not pull through the mouth, and will so operate upon the mouth as to enable the horseman to easily turn the animal's head in either direction.

It is apparent, from the foregoing description, that these double lines will enable a person to govern and regulate the distance apart at which a span of horses may travel, and to vary that distance continually by simply handling the lines agreeably to the purpose proposed; and either one of the horses may be checked and "thrown back to his gait," whenever he "breaks," without disturbing or jostling the other horse in his gait. This is a very important advantage in handling a team, especially when trotting for speed.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The check-lines *b b*, extending rearward, and forming loops, *d d*, for the hands of the driver, in combination with the lines *a a*, in the manner and for the purpose described.

2. The lines *a* and *b*, constructed and connected in the manner described, in combination with the bit A, for the purpose described.

In testimony whereof, I have hereunto set my hand, this 18th day of January, 1868.

L. D. WOODMANSEE.

Witnesses:

H. P. K. PECK,

THOS. WILSON.