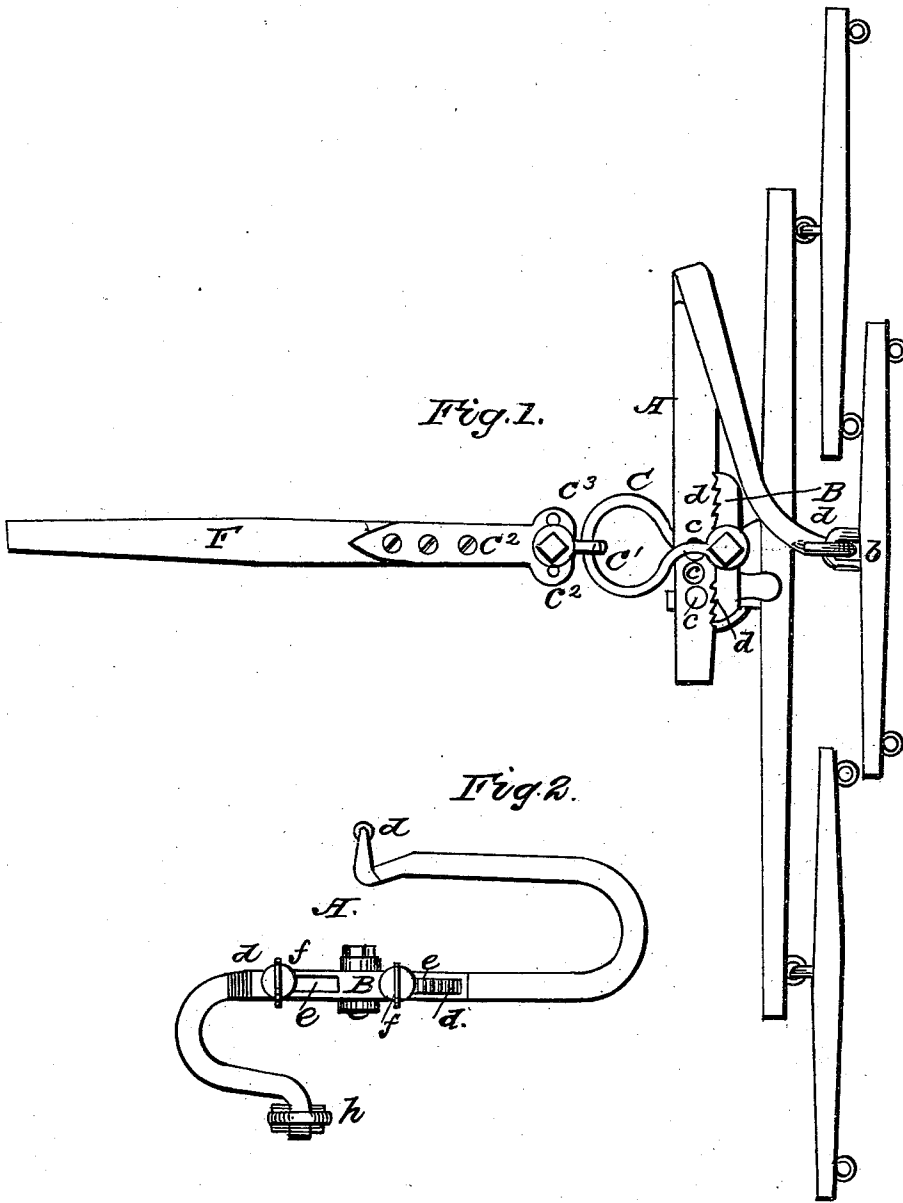


WALKER & TRUMBULL.

Draft Equalizer.

No. 85,039.

Patented Dec. 15, 1868.



Witnesses
J. W. Master
J. Alfred Ellis

Inventors
G. Walker & G. Trumbull
Per
J. H. Alexander
Atty

United States Patent Office.

RICHARD WALKER AND GEORGE TRUMBULL, OF BATAVIA, NEW YORK.

Letters Patent No. 85,039, dated December 15, 1868.

IMPROVED DRAUGHT-EQUALIZER.

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

To all whom it may concern :

Be it known that we, RICHARD WALKER and GEORGE TRUMBULL, of Batavia, in the county of Genesee, and State of New York, have invented certain new and useful Improvements in Draught-Equalizers; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 represents a plan view of our draught-equalizer, as applied to the beam of a plow, and

Figure 2 is a front detached view, exhibiting its shape.

The nature of our invention consists in the peculiar construction of the draught-bar, or evener, provided at or near its centre with adjusting-holes, and serrated on its front edge, and used in combination with a slotted slide, supplied with set-screws, substantially as and for the purpose hereinafter set forth.

To enable others to make and use our invention, we will now describe its construction and operation.

In the accompanying drawings—

A represents the evener, or draught-bar, which is curved or bent outwards and upwards, as shown in fig. 2, and terminating in a hook, *a*, into which hooks a staple secured to a whiffle-tree, *b*. The opposite or other end of this bar is curved downwards and inwards, as seen also in fig. 2, and formed at its extremity with an eye.

c c designate adjusting-holes made in the bar A, at or near its centre, and by means of which the desired leverage can be given to the horses, by removing the clevis attached to the tongue from the slide, and placing or securing it in the hole to suit the draught of the horse.

B represents a slide, formed or provided at its inner ends with projections, which engage with the serrations *d d* on the bar A.

The slide B is also provided with slots *e e*, in which are placed set-screws *f f*, entering the bar A, and by means of which the slide may be placed nearer or further from the centre of the bar A, and there securely held when it is desired to equalize the draught.

C is a clevis secured to the slide B by means of a bolt and nut, and connecting the draught-bar with the beam or tongue F, the tongue being provided with a clevis, *c'*, with which it links or connects, said clevis being secured in place by means of a bolt and nut.

c' designates a metal plate, fastened to the beam or tongue F, and furnished at its outer end with adjusting-holes *c'' c''*, into which is inserted the bolt, fastening the clevis *c'* in place.

To the lower end of bar A, and secured in its eye by a bolt, is another clevis, *h*, connecting the double-tree therewith, and which is provided at each end with a whiffle-tree, to which the horses may be attached.

What we claim, and desire to secure by Letters Patent, is—

1. The bar A, constructed and formed substantially as and for the purpose described.

2. In combination with the above, the slotted bar B, operating as and for the purpose set forth.

In testimony that we claim the foregoing as our own, we affix our signatures, in presence of two witnesses.

RICHARD WALKER.
GEORGE TRUMBULL.

Witnesses:

H. M. WARREN,
G. H. HOLDEN.