

(No Model.)

M. A. DAVIDSON.

DRAFT EQUALIZER.

No. 314,319.

Patented Mar. 24, 1885.

Fig. I.

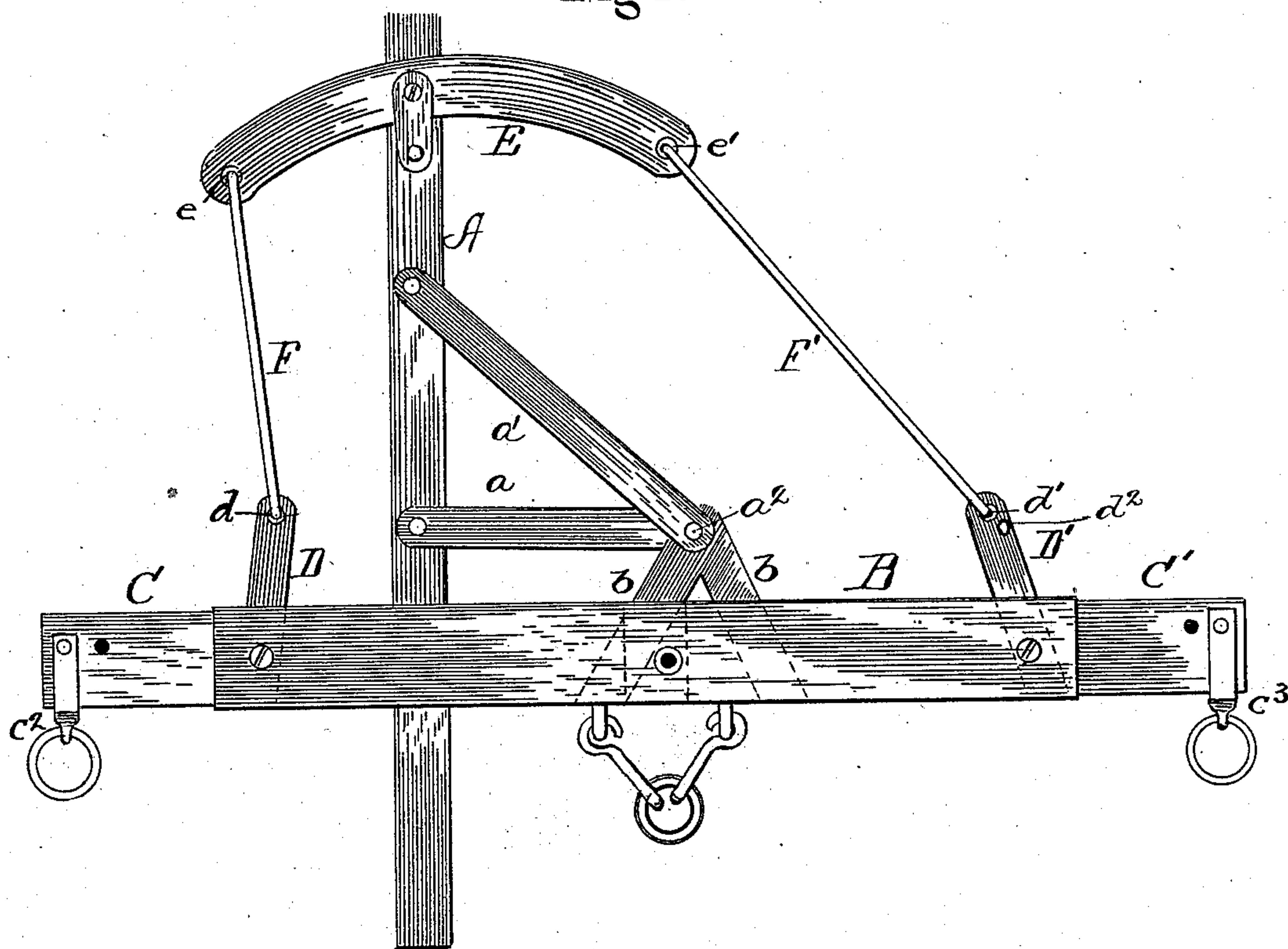
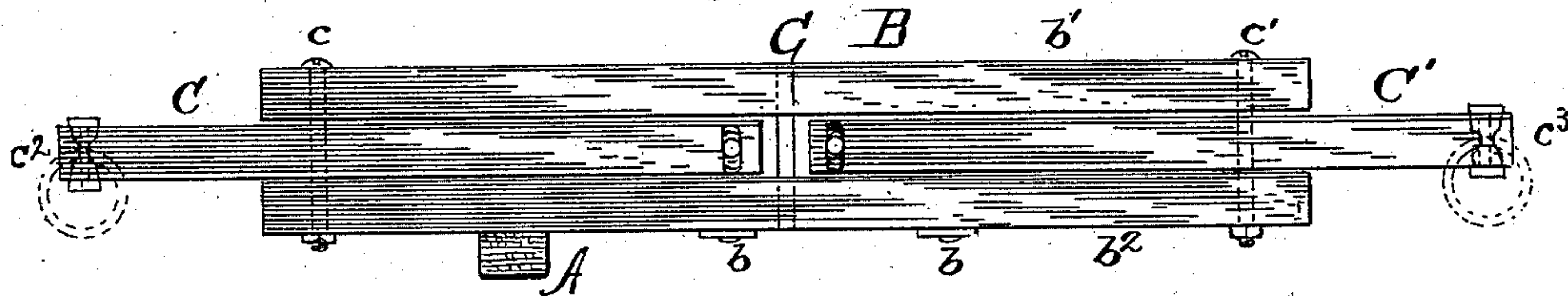


Fig. II.



Witnesses

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# UNITED STATES PATENT OFFICE.

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## DRAFT-EQUALIZER.

SPECIFICATION forming part of Letters Patent No. 314,319, dated March 24, 1885.

Application filed January 20, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, MORDICA A. DAVIDSON, a citizen of the United States, residing in Union township, in the county of Worth and State of Missouri, have invented certain new and useful Improvements in Draft-Equalizers; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

Figure 1 represents a top view, and Fig. 2 a front view, of the device.

The invention relates to an improvement in draft-equalizers; and it consists in the construction herein set forth and claimed.

In the annexed drawings, the letter A designates a pole or tongue to be secured in any well-known way to the wagon, &c., to which draft is to be applied.

Secured to and projecting from one side of the tongue A are the two arms  $a\ a'$ , which meet at  $a^2$ , at which point are swiveled two diverging plates,  $b\ b$ , which are fastened to the under side of the evener B about midway. This evener B consists of two strips,  $b'\ b^2$ , spaced apart, as shown. Between the ends of the evener are swiveled the whiffletrees C C' on the bolts  $c\ c'$ . Loosely held on these bolts, and projecting backward, are the plates D D', each having an eye,  $d\ d'$ .

Back of the evener there is secured to the tongue A a sway-bar, E, projecting on each side of the tongue, and having the eyes  $e\ e'$  at its ends.

Rods F F' connect the ends of the sway-bar E with the plates D D'.

To the outer ends,  $c^2\ c^3$ , of the whiffletrees C C' are secured two horses—one to each whiffletree—and to the inner ends of the whiffletrees is secured one horse. This arrangement brings two horses on one side of the tongue and one horse on the other side, and the middle horse pulls on both whiffletrees about on a line with swivel  $a^2$ . By thus placing the various parts the pulling-strain is adjusted so as to be regulated according to the different strength of the horses.

The device is to be attached to a plow by the clevis, which may be secured to the bolt C.

In the plate D' may be made a hole,  $d^2$ , for the ordinary stay-chain.

Having described my invention, what I claim is—

The combination of pole A, arms  $a\ a'$ , plates  $b\ b$ , evener B, whiffletrees C C', sway-bar E, rods F F', and plates D D', all combined, constructed, and arranged as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

MORDICA A. DAVIDSON.

Witnesses:

D. T. HIATT,  
JACOB STALER.