

W. H. BAKER.
DRAFT EQUALIZER.

Patented Aug. 3, 1886.

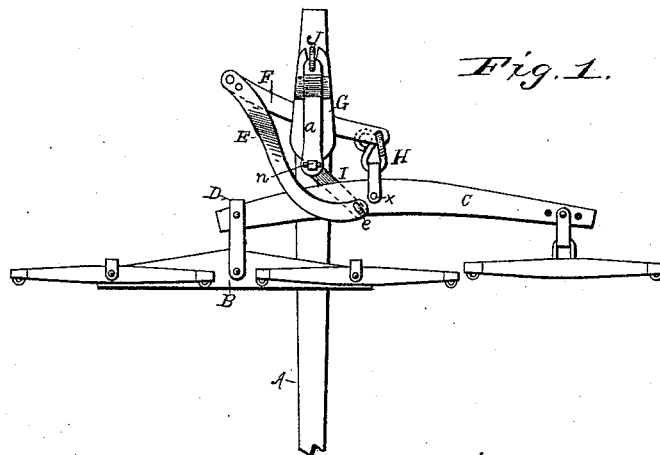


Fig. 1.

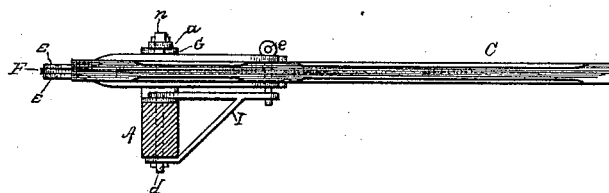


Fig. 2.

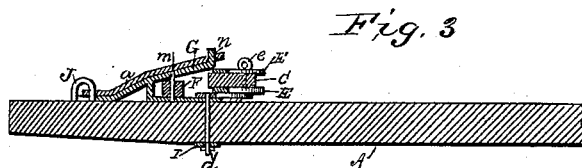


Fig. 3

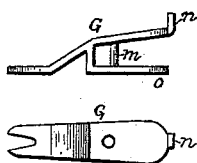


Fig. 4.



Fig. 5.

Witnesses

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Inventor

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By his Attorney

ency
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UNITED STATES PATENT OFFICE.

WILLIAM H. BAKER, OF OXFORD, MICHIGAN, ASSIGNOR OF TWO-THIRDS
TO WM. J. TUNSTEAD AND CHARLES F. TUNSTEAD, OF SAME PLACE.

DRAFT-EQUALIZER.

SPECIFICATION forming part of Letters Patent No. 346,798, dated August 3, 1886.

Application filed January 14, 1886. Serial No. 188,535. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BAKER, a citizen of the United States, residing at Oxford, in the county of Oakland and State of Michigan, have invented certain new and useful Improvements in Draft-Equalizers, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to three-horse eveners to be used with or without a pole, as the nature of the case may demand. In the present instance it is shown in use in connection with a pole, and will so be described, the object of the invention being to construct a simple device by means of which three horses may be attached to a vehicle or plow for the purpose of equalizing the draft between them.

In the accompanying drawings, making part of this specification, Figure 1 represents a plan view; Fig. 2, a cross-section; Fig. 3, a longitudinal section; Fig. 4, views of detached parts, and Fig. 5 a view of the neck-yoke to be used.

In the figures, A represents the pole of the vehicle, to which the evener is to be attached.

B represents an ordinary double-tree, with single-trees attached at its ends, as usual.

C represents an evener-bar, one end of which is connected to the center of the double-tree by means of a metallic loop or clevis, D. To the other end of the bar C is secured a single-tree, as represented.

a represents the ordinary hammer-strap of a pole, which lies over a yoke, G, the two being connected together and at their rear ends to the pole by a staple, J. The yoke G is composed of two plates, an upper and a lower one, *o*, the two being connected by a post or bar, *m*. The upper portion of yoke is provided at its forward end with a projection, *n*, which passes up through an opening in the hammer-pin and is there keyed. The forward end of the plate *o* is secured to the pole by means of a bolt, *d*. This bolt also secures to the pole a two-pronged brace, I.

F represents a slightly-curved bar, which passes through the yoke G, and which is confined therein by means of the post or bar *m*, which passes through it.

E represents a brace-bar, one end of which is firmly secured to one end of the bar F, the other being connected by a pin, *e*, to the evener-bar C, said bar F being pronged or double at one end to embrace the bar C. The forward or single end of brace I is slotted, and the pin *e* plays in this slot to compensate for the length of the brace E.

H represents a link, which is connected to one end of the bar F, a clevis or loop connecting said link to the evener-bar C by a pin or bolt at *x*.

The braces E and I keep the evener-bar C away from the pole, and thus prevent crowding of the middle horse against it. The connection of the pivoted bar F, the link H, and the clevis pivoted to the bar C at *x* allows said bar C to play and accommodate its equalizing points to the double-tree B. The outer end of bar C is graduated with holes for the purpose of proper adjustment of its single-tree. This bar may have any suitable curve desired.

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

1. The yoke G, constructed and connected as described, in combination with the lever or bar F, and the link and clevis connecting same to the curved evener-bar C, substantially as and for the purpose set forth.

2. The braces E and I, in combination with the bar F, yoke G, and link and clevis, connecting bar F to the curved bar C, substantially as and for the purpose set forth.

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

WILLIAM H. BAKER.

Witnesses:

CHAS. F. TUNSTEAD,
GAD. CHAMBERLAIN.