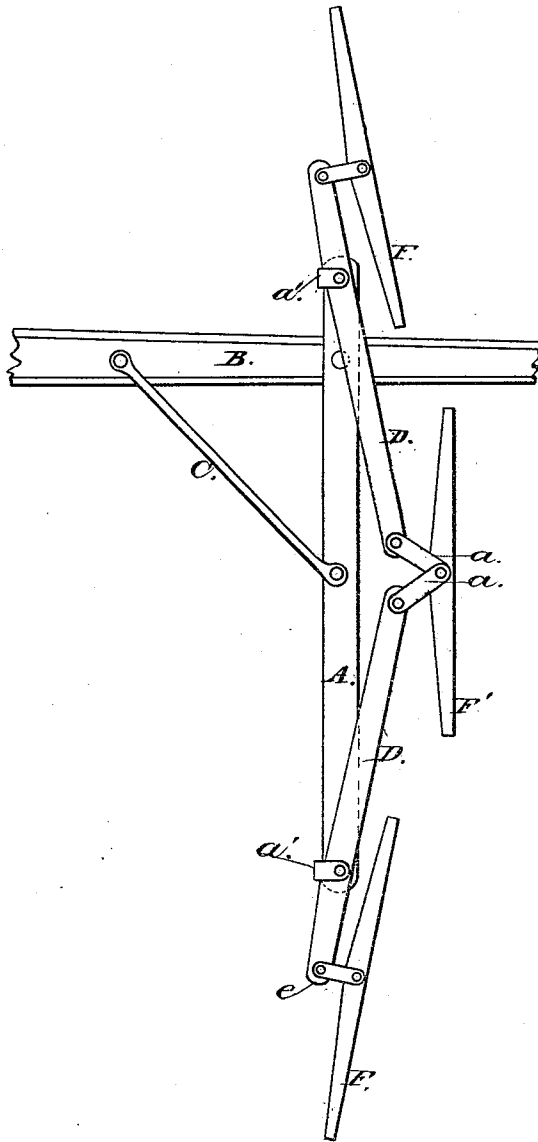


C. C. HEWITT.
DRAFT-EQUALIZER.

No. 175,455.

Patented March 28, 1876.



WITNESSES

Henry N. Miller
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By

INVENTOR

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UNITED STATES PATENT OFFICE.

CHARLES C. HEWITT, OF LIME SPRINGS, IOWA.

IMPROVEMENT IN DRAFT-EQUALIZERS.

Specification forming part of Letters Patent No. **175,455**, dated March 28, 1876; application filed February 10, 1876.

To all whom it may concern:

Be it known that I, CHARLES C. HEWITT, of Lime Springs, in the county of Howard, and in the State of Iowa, have invented certain new and useful Improvements in Three-Horse Equalizer; and 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, making a part of this specification.

The nature of my invention consists in the construction and arrangement of the several parts of an equalizer for using three horses to harvesters, or other similar work, as will be more particularly described hereinafter.

In the figure, which represents a plan view of my invention, A represents a cross-bar, which is made of suitable length, so that when it is bolted to a tongue, B, of a harvester or other vehicle, there will be drawing room for two horses upon one side of the tongue and for one upon the other. This cross-bar is made fast to the tongue, not only by a bolt, but by means of a brace, C.

D D represent the equalizing-bars, and they are secured near their outer ends to the outer ends of the stationary cross-bar A by means of pivoted metallic clips *a' a'*. To the extreme outer ends of the equalizing-bars D D are

secured the whiffletrees F F, by clips or metal plates *e e*. The inner ends of equalizing-bars D D are connected to the center whiffletree F' by means of the metal plates or bars *a a*, which are so pivoted as to allow of any easy movement of the parts when in use.

The distance from the centers of the fulcrums of the several levers formed by this arrangement will be such that three horses can be made to pull together and each one perform the same amount of labor.

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

The bar A, rigidly connected near one end to the tongue B, and near its center by the brace C, in combination with the equalizing-bars D D, pivoted to the bar A, provided with the whiffletrees F F at their outer ends, and connected together and to the central whiffletree F' at their inner ends by means of the pivoted plates *a a*, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 15th day of December, 1875.

CHARLES C. HEWITT.

Witnesses:

P. G. WHITE,
J. W. REED.