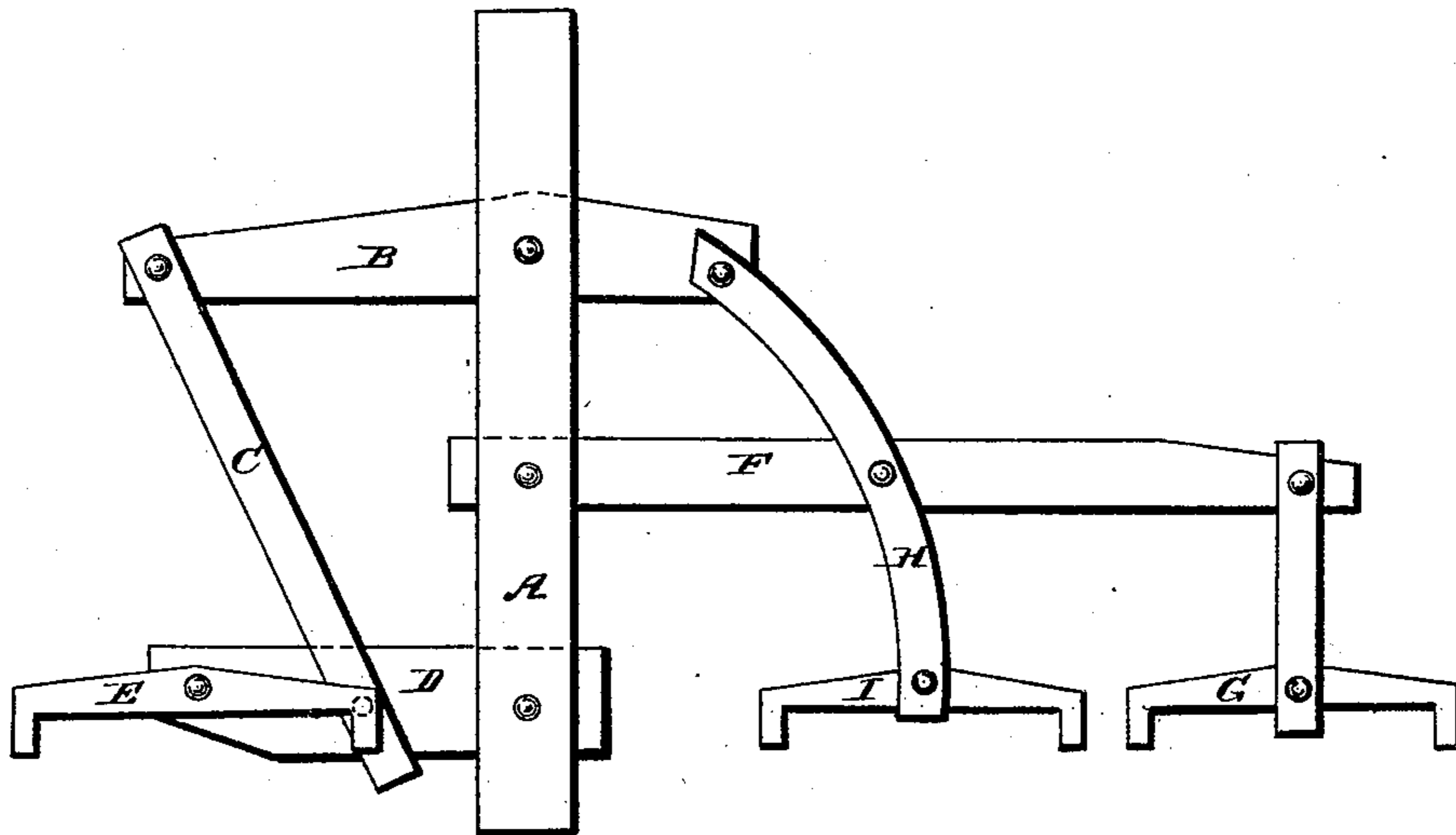


(No Model.)

G. M. KERBY.  
DRAFT EQUALIZER.

No. 272,706.

Patented Feb. 20, 1883.



WITNESSES:

*Fred. L. Dieterich,*  
*Jno. W. Stockett,*

*George M. Kerby,*  
INVENTOR,  
*Louis Bagger & Co.*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

GEORGE M. KERBY, OF BOLIVAR, TEXAS.

## DRAFT-EQUALIZER.

SPECIFICATION forming part of Letters Patent No. 272,706, dated February 20, 1883.

Application filed November 29, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE M. KERBY, of Bolivar, in the county of Denton and State of Texas, have invented certain new and useful  
5 Improvements in Three-Horse Equalizers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same,  
10 reference being had to the accompanying drawing, which forms a part of this specification, and which is a plan view of my improved draft-equalizer.

My invention relates to three-horse equal-  
15 izers; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawing, the letter A indicates part of the tongue of a wagon or ag-  
20 ricultural machine, which is replaced by a short draw-bar where the equalizer is used on a plow or harrow or other implement without a tongue.

B is a lever, which is pivoted and has its  
25 fulcrum on the tongue in such a manner that one-third of its length is on one side of the fulcrum and two-thirds on the other. At the long end of the lever is hinged a cross-bar, C, which again is hinged to a lever, D, which is

pivoted in one end to the tongue, while a sin- 30  
gle-tree, E, is fastened to the other end at the same distance from the tongue as the end of lever B, where the cross-bar is hinged.

A lever, F, is pivoted at one end to the tongue between the two levers B and D, and 35  
to the other end is a single-tree, G, fastened. In the center of this lever is pivoted a cross-bar, H, to the outer end of which is fastened a single-tree, I, while its other end is hinged to the short end of lever B. 40

By this arrangement of the parts of the equalizer the single-trees will always maintain their relative positions.

Having thus described my invention, I claim and desire to secure by Letters Patent of the 45  
United States—

In a draft-equalizer, the combination of the tongue or draft-bar A, lever B, cross-bar C, lever D, cross-bar H, lever F, and the three  
single-trees E G I, all constructed and com- 50  
bined to operate substantially as set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

GEORGE M. KERBY.

Witnesses:

E. HOWARD,  
J. G. SHELTON.