

**No. 705,458.**

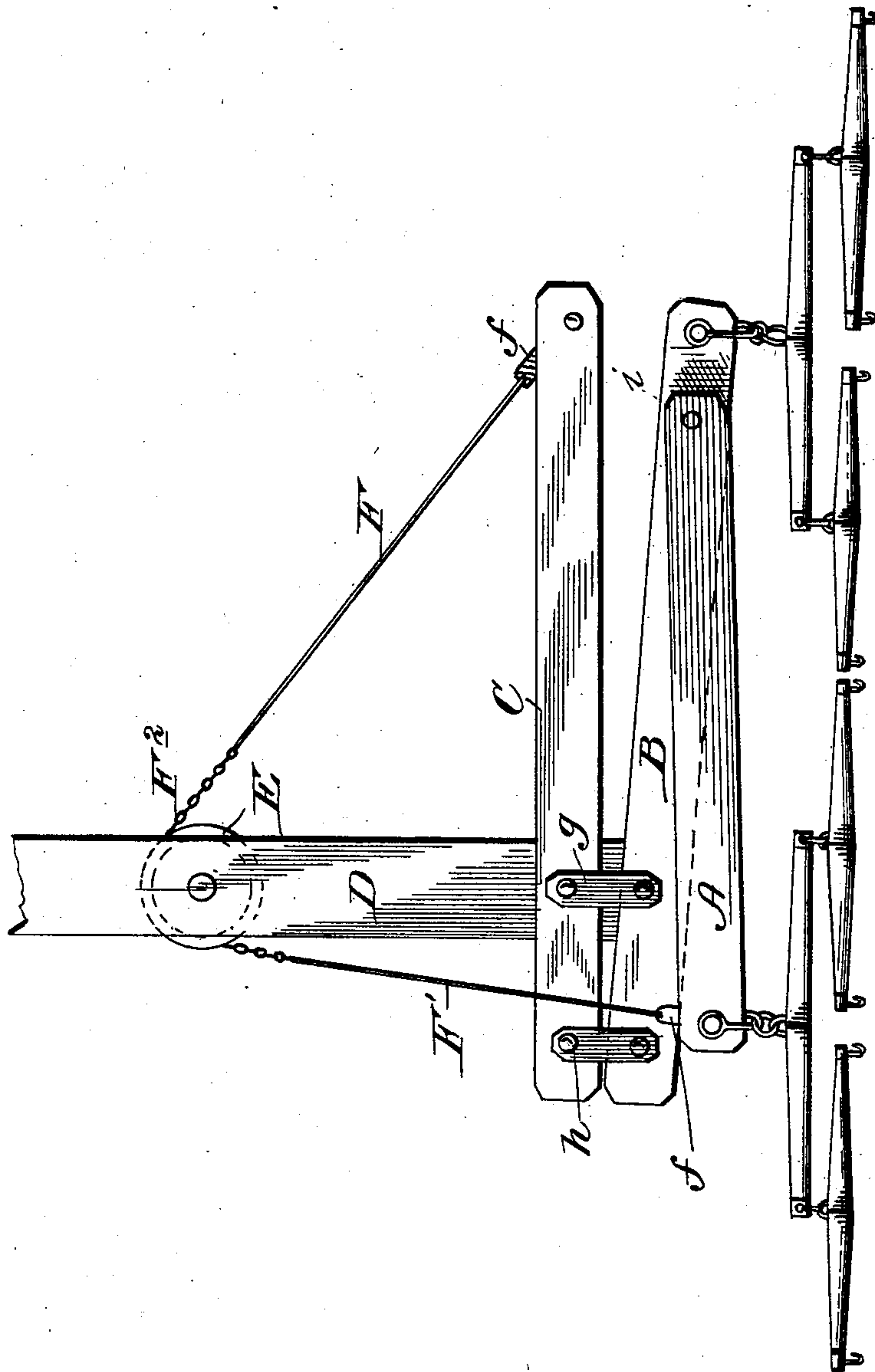
**Patented July 22, 1902.**

**M. W. SLEIGHT.**

**DRAFT EVENER.**

(Application filed Mar. 15, 1902.)

(No Model.)



M. W. Sleight. = Inventor

Witnesses

F. L. Ourand.  
J. E. Lambert.

By John L. Duffie Attorney

Attorney

# UNITED STATES PATENT OFFICE.

MILTON W. SLEIGHT, OF DENTON, TEXAS, ASSIGNOR OF ONE-HALF TO  
JOSEPH D. MOORE, OF MATAGORDA COUNTY, TEXAS.

## DRAFT-EVENER.

SPECIFICATION forming part of Letters Patent No. 705,458, dated July 22, 1902.

Application filed March 15, 1902. Serial No. 98,315. (No model.)

*To all whom it may concern:*

Be it known that I, MILTON W. SLEIGHT, a citizen of the United States, residing at Denton, in the county of Denton and State of Texas, have invented certain new and useful Improvements in Draft-Eveners, of which the following is a specification.

My invention relates to four-horse draft-equalizers, and is well adapted for use on plows—gang-plows, sulky-plows, and grain-plows—and may be used also on wagons and other vehicles drawn by horse-power.

The drawing on the accompanying sheet is a plan view of my invention attached to the sub-tongue of a gang-plow.

My invention is described as follows:

Referring to the drawing, letter E represents a grooved iron pulley bolted or journaled to the under side of the sub-tongue D of a gang-plow.

Letters F and F' are iron rods fastened one end of each to each end of a short chain F<sup>2</sup>, which works in the groove of pulley E, their other ends attached to clevises f, which are in turn secured one to the free end of lever C and the other to the free end of lever A.

C represents a five-foot lever bolted to the sub-tongue D, or it may be hooked to the clevis of a plow eighteen (18) inches from the right-hand end of said lever and fastened at its extreme right-hand end to end of lever B by straps and bolts h.

Letter B represents a five-foot lever attached to the right-hand end of lever C by said straps and bolts h. Said lever B is also bolted to sub-tongue D, where it is again attached to lever C by straps and bolts g and has the double-tree of the lead horses attached to the left-hand end thereof.

Letter A represents a four-foot lever bolted to lever B by a bolt i twelve (12) inches from its left-hand end, and to the right-hand end of this lever A is attached a double-tree of the right-hand or off horses.

The operation of my equalizer is as follows: When the horses are pulling by the assistance of equalizing-lever C, the power is transmitted from lever C to lever A without any side draft on the right side, thereby equalizing the power as well as the draft and allow-

ing the outside right-hand horses to walk in the plow-furrow, while the other three horses walk upon unbroken land.

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

1. In combination with the sub-tongue D, pulley E, journaled to the lower face of said sub-tongue; lever C, bolted to said tongue, near its right-hand end; lever B, hinged to the right-hand end of said lever C, and also bolted to said sub-tongue D; lever A, having one end bolted near the left-hand end of lever B; clevises f, one secured to the left-hand end of lever C, and the other to the right-hand end of lever A; a chain F<sup>2</sup>, passing around pulley E; a rod F, having one end secured to the clevis f, secured to the beam C, and the other to one end of the chain F<sup>2</sup>; a rod F', having one end secured to the clevis f, secured to the right-hand end of lever A, and its other end to the chain F<sup>2</sup>, substantially as shown and described and for the purposes set forth.

2. In combination with the sub-tongue D, pulley E, journaled to the lower face of said sub-tongue; lever C, bolted to said tongue, near its right-hand end; lever B, hinged to the right-hand end of said lever C, and also bolted to said sub-tongue D; lever A, having one end bolted near the left-hand end of lever B; clevises f, one secured to the left-hand end of lever C, and the other to the right-hand end of lever A; a chain F<sup>2</sup>, passing around pulley E; a rod F, having one end secured to the clevis f, secured to the beam C, and the other to one end of the chain F<sup>2</sup>; a rod F', having one end secured to the clevis f, secured to the right-hand end of lever A, and its other to the other end of the chain F<sup>2</sup>; double-trees, one secured to the right-hand end of lever A, and the other to the left-hand end of lever B, substantially as shown and described and for the purposes set forth.

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

MILTON W. SLEIGHT.

Witnesses:

J. D. MOORE,

W. C. CARPENTER.