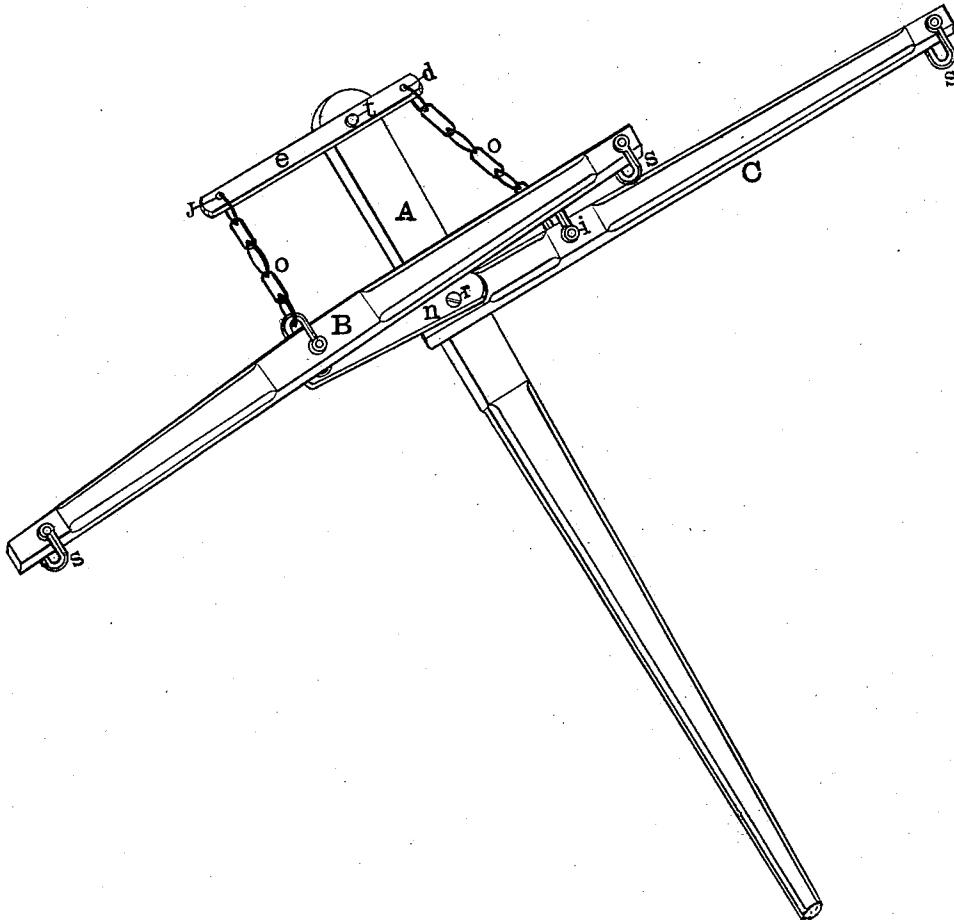


A. HUNT & B. M. BUTTERFIELD.

Draft-Equalizer.

No. 167,337.

Patented Aug. 31, 1875.



WITNESSES.

Thos. J. Price
W. C. Thomas

INVENTORS

A. Hunt
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UNITED STATES PATENT OFFICE.

ALMON HUNT AND BENJAMIN M. BUTTERFIELD, OF MACOMB, ILLINOIS;
SAID BUTTERFIELD ASSIGNOR TO SAID HUNT.

IMPROVEMENT IN DRAFT-EQUALIZERS.

Specification forming part of Letters Patent No. **167,337**, dated August 31, 1875; application filed
July 31, 1875.

To all whom it may concern :

Be it known that we, ALMON HUNT and BENJAMIN M. BUTTERFIELD, of Macomb, in the county of McDonough and State of Illinois, have invented a new and useful Improvement in Three-Horse Double-Trees; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the annexed drawings making a part of this specification.

Our invention consists in an improved means whereby the draft of three horses working abreast is equalized, which will be hereinafter fully explained.

In the drawing, A represents a tongue, to which the lever C is attached, at *r*, on the top of which, by the same bolt, is attached a short arm or plate, *n*, which extends the same distance as it is from *r* to *i*, and there attached to double-tree B. In the rear, on the tongue A, at *t*, the lever *e* is attached. This lever is two and a half times the length from J to *t* as it is from *d* to *t*, and is attached by a chain

at the short end *d* to the lever C, at *i*, being one-fifth of the whole length of the lever C. The long end J of the lever *e* is attached also by chains to the center of the double-tree B.

The operation is as follows: Single-trees are attached to the clevises *s s s*, to which the draft-horses are hitched, and when the draft is applied, the horse that is hitched to the lever C, by means of the lever *e* and chains *o o*, draws just one-third of the draft. The plate or arm *n*, having the double-tree B attached to it at the same distance from the center of the tongue as it is from *r* to *i*, equalizes the side draft.

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

The lever C, arm *n*, lever *e*, and flexible chains *o o*, in combination with the double-tree B, as and for the purpose set forth.

A. HUNT.

B. M. BUTTERFIELD.

Witnesses:

THOS. J. PRICE,
W. O. THOMAS.