

(No Model.)

A. McDONALD.
DRAFT EQUALIZER.

No. 529,294.

Patented Nov. 13, 1894.

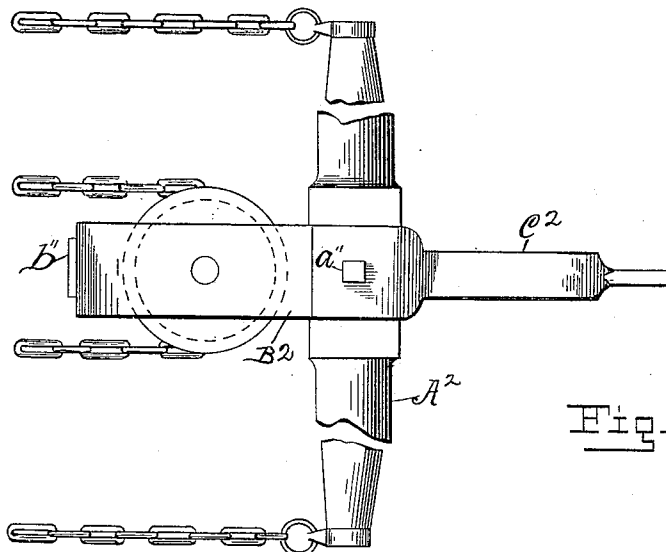


Fig. 1.

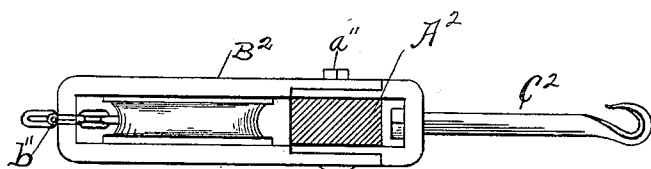


Fig. 2.

Witnesses

J. L. Bowen

W. H. Humphrey

Inventor
August M. Donald
by Erastus Appelman
Attorney

UNITED STATES PATENT OFFICE.

ANGUS McDONALD, OF QUINCY, ILLINOIS, ASSIGNOR OF TWO-THIRDS TO
HENRY LEITCH, OF SAME PLACE.

DRAFT-EQUALIZER.

SPECIFICATION forming part of Letters Patent No. 529,294, dated November 13, 1894.

Application filed December 8, 1893. Serial No. 493,165. (No model.)

to all whom it may concern:

Be it known that I, ANGUS McDONALD, a citizen of the United States of America, residing at Quincy, in the county of Adams and State of Illinois, 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.

This invention relates to certain new and useful improvements in "draft equalizers."

The object is to provide a novel construction in a device of this class that shall possess advantages in point of simplicity, durability, inexpensiveness and general efficiency.

With these and other objects in view, various combinations and arrangements of parts are employed which will be hereinafter fully set forth and specifically pointed out in the annexed claim.

In describing the invention in detail, reference is had to the accompanying drawings, which form part of this specification and wherein like letters indicate corresponding parts in both views, in which—

Figure 1, is a plan view of my improved equalizer and Fig. 2, is a sectional view thereof.

In the drawings —A²— indicates the single-tree, —B²— the main clip and —C²— the hook, all connected by a single pivotal bolt —a"—. In this instance I employ a main clip

formed in two parts and hinged together as at —b"—. Thus, when it is desired to substitute another tree for that shown, the nut of the pivotal bolt may be removed, the upper half of the clip thrown forwardly as indicated by the direction-arrow and the tree or pulley removed, as will be obvious.

The advantages of this construction lie in its simplicity, ease of adjustment and comparative cheapness.

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

In a draft equalizer, the combination with a cross tree, of a main clip formed in sections and hinged together with its free ends extending rearwardly, an equalizer pulley mounted between said hinged sections of the clip, of a supplemental clip extending rearwardly and a hook attached thereto and a bolt passing through the coincident openings of the free ends of said clips and the cross tree as and for the purpose specified.

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

ANGUS ^{his} × MCDONALD.
mark

Witnesses:

G. G. BLUNT,
JOHN T. McDONNELL.