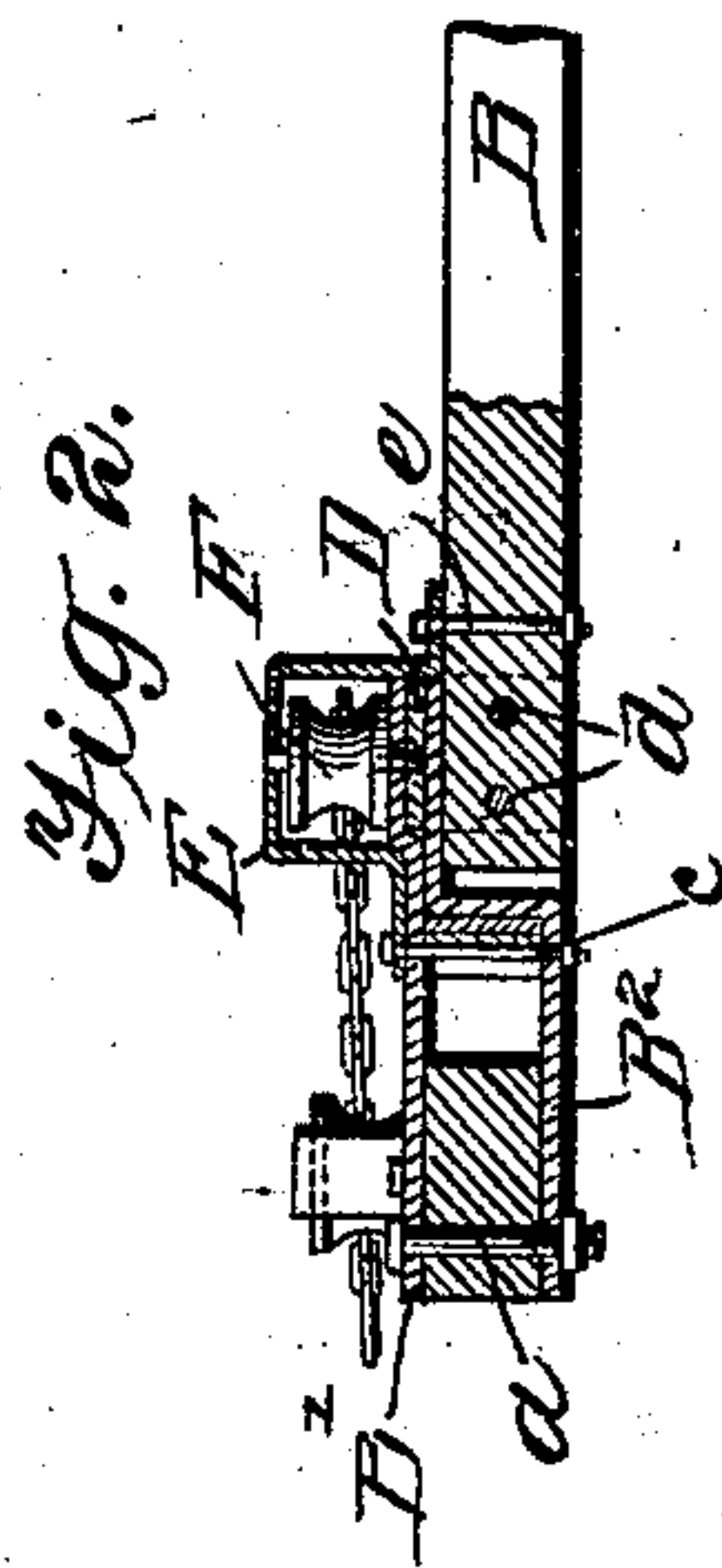
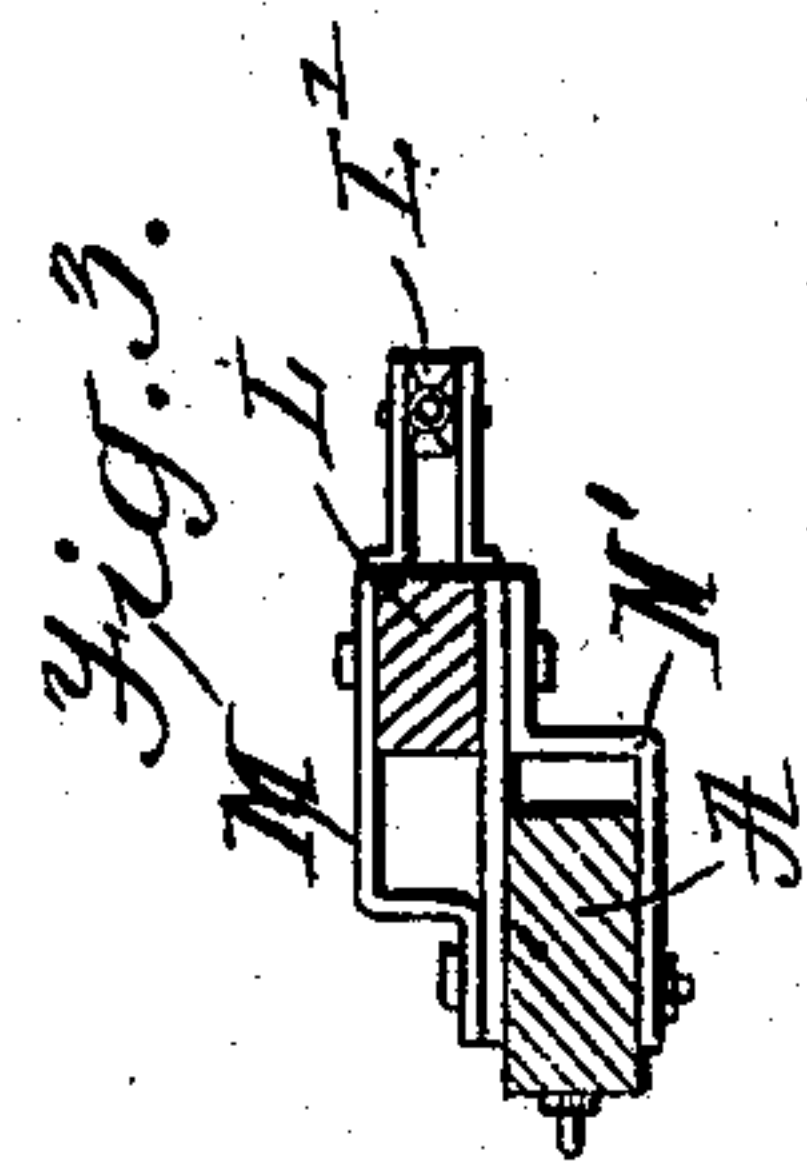
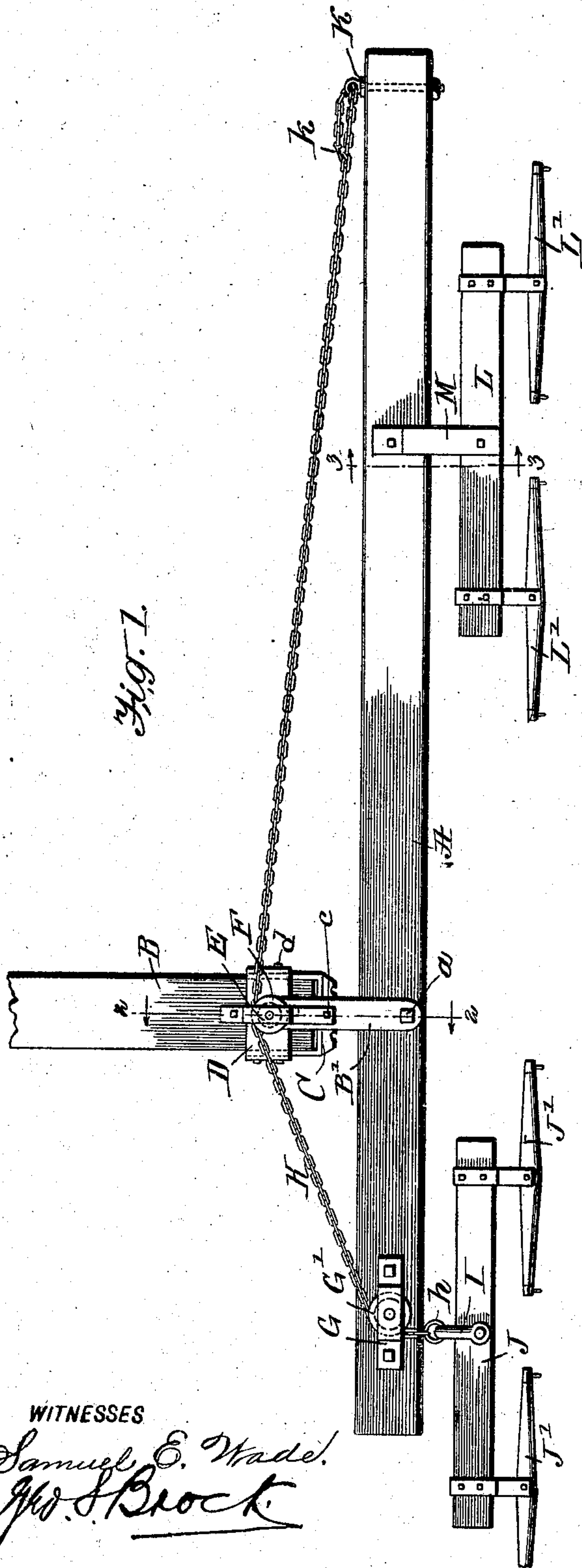


No. 881,715.

PATENTED MAR. 10, 1908.

C. PERES.
DRAFT EQUALIZER.

APPLICATION FILED SEPT. 9, 1907.



WITNESSES

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DRAFT-EQUALIZER.

No. 881,715.

Specification of Letters Patent.

Patented March 10, 1908.

Application filed September 9, 1907. Serial No. 391,944.

To all whom it may concern:

Be it known that I, CHARLES PERES, a citizen of the United States, and resident of Lebo, in the county of Coffey and State of Kansas, have invented an Improvement in Draft-Equalizers, of which the following is a specification.

My invention relates to improvements in draft equalizers intended especially for use on gang plows, and has for its object to produce a simple, cheap and efficient construction by means of which the side draft incident to equalizers in common use may be obviated.

With these objects in view, my invention consists in certain novel features of construction, arrangement and combination of parts as will be hereinafter fully described and pointed out in the specification, reference being had to the accompanying drawing, in which

Figure 1 is a top plan view of my improvements; and Fig. 2 is a vertical section taken on line 2—2 of Fig. 1. Fig. 3 is a vertical section taken on line 3—3 of Fig. 1.

In the drawing, A represents the evener bar which is connected to the front end of the beam B of a gang plow by means of plates B' and B² secured to the bar by a bolt *a*. The plate B' is secured to the clevis C by means of a bolt *c*, said clevis being held to the beam by a strap plate D and bolts *d d*. The bolt *c* also passes through the front end of an angular strap E, the rear end of which is secured to the beam B by a bolt *e*. Within this angular strap is housed a pulley F, the lower end of the axle of which is stepped in the rear end of plate B', which is offset upwardly and rests on the strap plate D. The lower plate B² passes beneath the clevis C and is then bent upwardly between the clevis and the end of the beam, and passes rearwardly on top of the beam beneath the rear end of plate B' and the strap plate D. Near the right end (looking forward) of the evener beam A, and on its upper side, is secured by bolts an angular strap G in which is housed a pulley G' around which passes a chain H, the end of which has a ring *h* secured to the center clip I of the doubletree J, which carries the swingle-trees J', J'. The chain H passes around the pulley F, and then extends to near the left end of the equalizer beam where it passes through the eye-bolt K, the end of the chain having a grab hook *k* which may be caught in the links of the chain H to regulate the

slack in the same. At about one-fourth the length of the beam A from its left end is secured the left doubletree L carrying the swingle-trees L', L', as shown, said doubletree L being secured to the beam A by the strap plates M and M', as shown in Fig. 3 of the drawing.

The device shown in the drawings is designed for use with a right hand plow, but can obviously be reversed for a left hand plow.

By the use of my improvements, all side draft will be avoided and no horse will walk on plowed land.

I claim:

1. The combination with a beam or tongue, a clevis projecting from the front end thereof, an evener bar in advance of said tongue and clevis, a strap plate connecting said tongue and evener bar, a clevis pin passing through said strap plate, whereby said strap plate may be adjusted with respect to the plow beam or tongue, a pulley mounted at the rear end of said strap on the beam, a pulley mounted on the evener bar near one end, a chain secured to a double tree and passing over said pulley and over the pulley on the beam or tongue, an eye at the opposite end of the evener bar, said chain passing through said eye, a grab hook at the end of the chain whereby the length of same may be adjusted, and another double tree secured to the evener bar between its points of connection with the beam and the point of connection of the chain to the evener bar.

2. The combination with a beam or tongue, a clevis projecting from the front end thereof and standing away from the same, an evener bar in advance of said tongue and clevis, a strap plate secured at its front end to the upper face of said evener bar, and at its rear end upon the forward end of the beam or tongue, a lower strap plate secured at its forward end to the under face of the evener bar, said lower strap plate then extending rearwardly and bent upwardly between the end of the beam and the clevis and then bent to extend rearwardly on the beam, beneath the upper strap plate, a clevis pin passing through the upper and lower strap plates, whereby they may be adjusted laterally with respect to the beam or tongue, a pulley mounted at the front end of the beam upon said strap plates, a pulley mounted on the evener bar

near one end, a chain secured at one end to
a doubletree and passing over said pulley
and over the pulley on the beam or tongue,
an eye mounted at the opposite end of the
5 evener bar, said chain passing through said
eye, a grab hook at the free end of said chain
whereby the length of same may be ad-
justed, and another doubletree secured in

advance of the evener bar between its point
of connection with the beam or tongue and 10
the point of connection of the chain to the
evener bar.

CHARLES PERES.

Witnesses:

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T. C. BLUE.