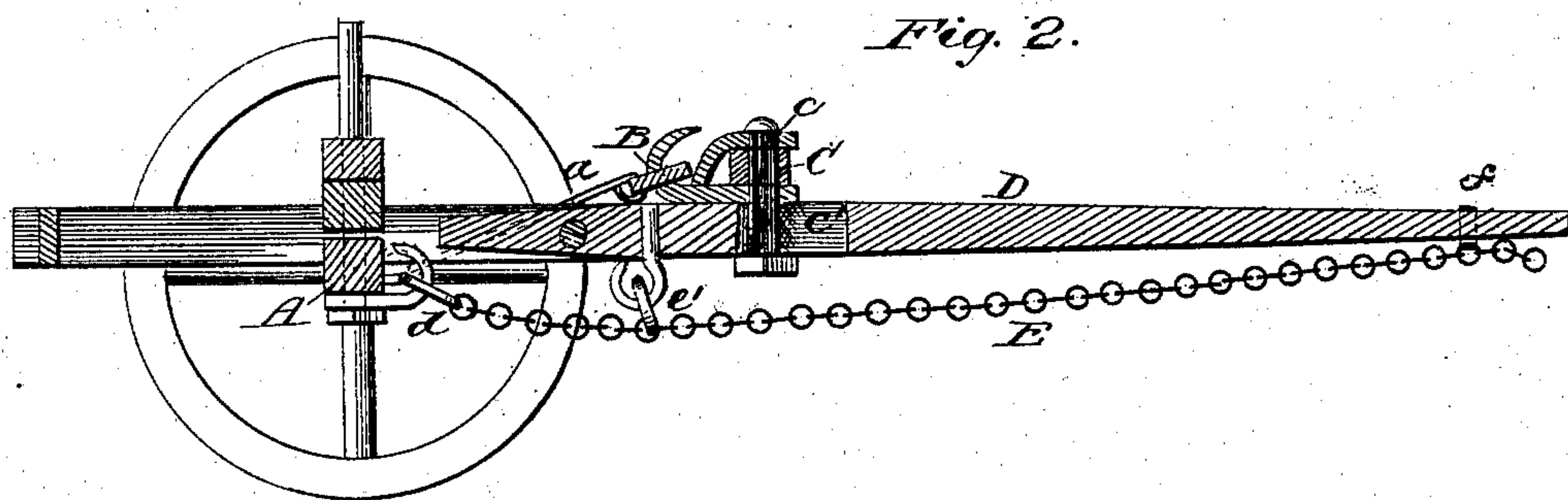
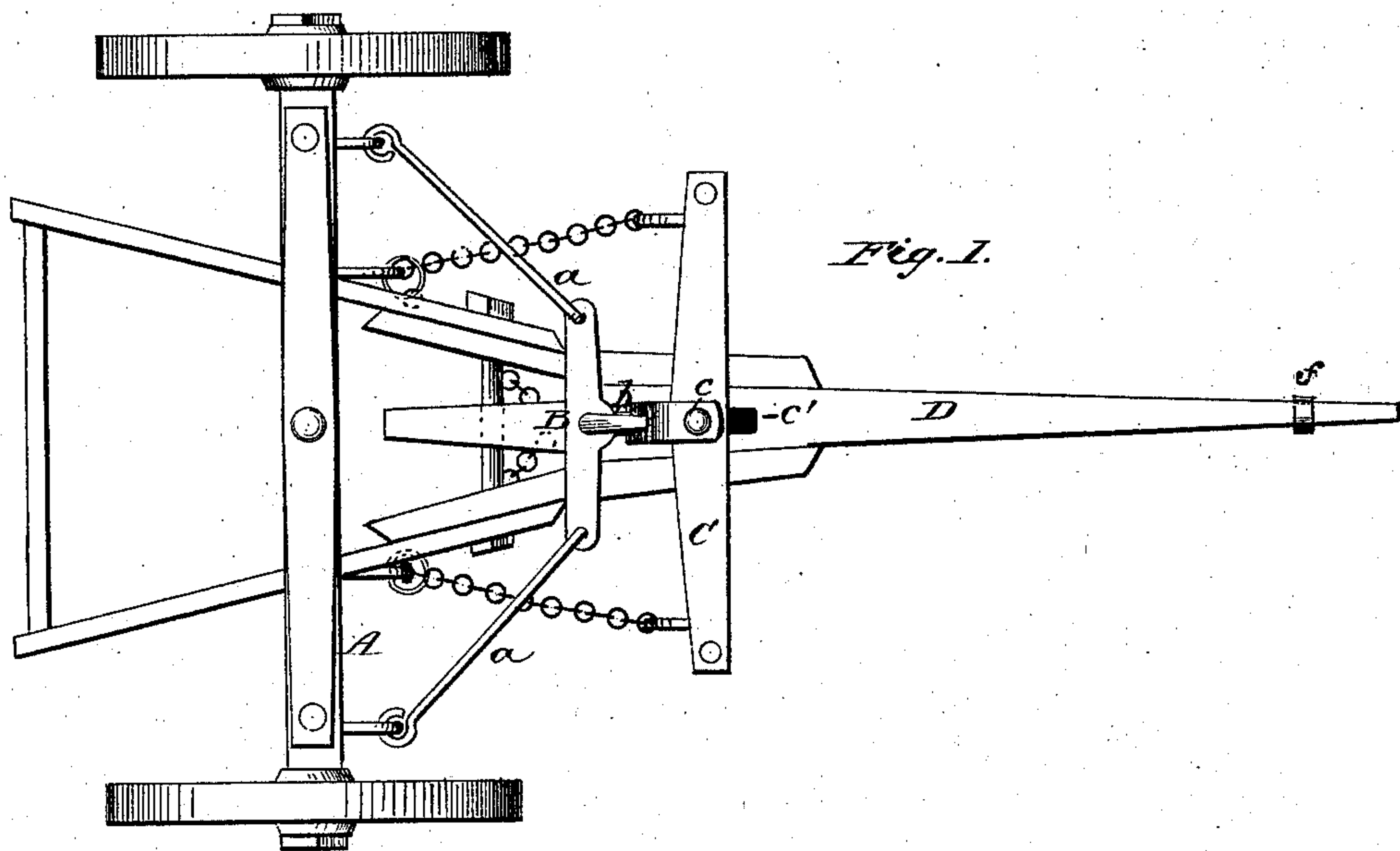


M. SCOTT.  
Draft-Equalizer

No. 209,296.

Patented Oct. 22, 1878.



Witnesses:  
Fred A. Dietrich  
Edwin H. Smith

by

Inventor  
Mack Scott  
Hyer & Co. Attys.

# UNITED STATES PATENT OFFICE.

MACK SCOTT, OF SIDNEY, ILLINOIS.

## IMPROVEMENT IN DRAFT-EQUALIZERS.

Specification forming part of Letters Patent No. **209,296**, dated October 22, 1878; application filed July 6, 1878.

*To all whom it may concern:*

Be it known that I, MACK SCOTT, of Sidney, in the county of Champaign and State of Illinois, have invented certain new and useful Improvements in Draft-Equalizers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a plan view of my improved draft-equalizer, and Fig. 2 is a vertical section of the same.

Corresponding parts in the two figures are designated by like letters.

This invention relates to certain improvements in draft-equalizers; and it consists of a transverse bar connected directly to the whiffletree and front axle, and means for further equalizing the draft, substantially as hereinafter more fully set forth.

In the annexed drawing, A refers to the front axle of the running-gear of a vehicle. B is a transverse bar, preferably connected to the front axle, A, at each end, by chains *a a*, the bar B in turn being connected or hooked to the draft-bar or whiffletree C by means of the hooked draft-plate *b*.

Through the draft-bar or whiffletree C passes a headed bolt, *c*, entering an elongated slot, *c'*, in the pole or tongue D, by which combination and arrangement of parts the resistance of the load or weight is distributed over the

points where the draft is applied—*i. e.*, where the horses or animals are hitched. The slot *c'* in the tongue removes the draft from the latter. The foregoing provisions are for two horses.

By this construction and arrangement of the parts of my device, the animals pulling upon the whiffletree C are, by reason of the slot *c'*, caused to expend their force directly upon the front axle, A, as there is not, nor can there be, any point in tongue D to share with axle A the force expended in pulling forward upon the whiffletree C.

This device is exceedingly simple, consequently cheap, and may be adopted at little expense.

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

The combination, with the tongue or pole D, having an elongated slot, *c'*, the bolt *c*, fitting in said slot, and the hooked draft-plate *b*, of the swinging cross-piece B and rods *a a*, connecting with the axle A of the vehicle, substantially as shown and described, for the purpose set forth.

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

his  
MACK X SCOTT.  
mark.

Witnesses:

J. M. BANNELL,  
C. A. HESTAND.