

S. WHEELER.  
LINK FOR HORSEPOWER.

No. 36,378.

Patented Sept. 2, 1862.

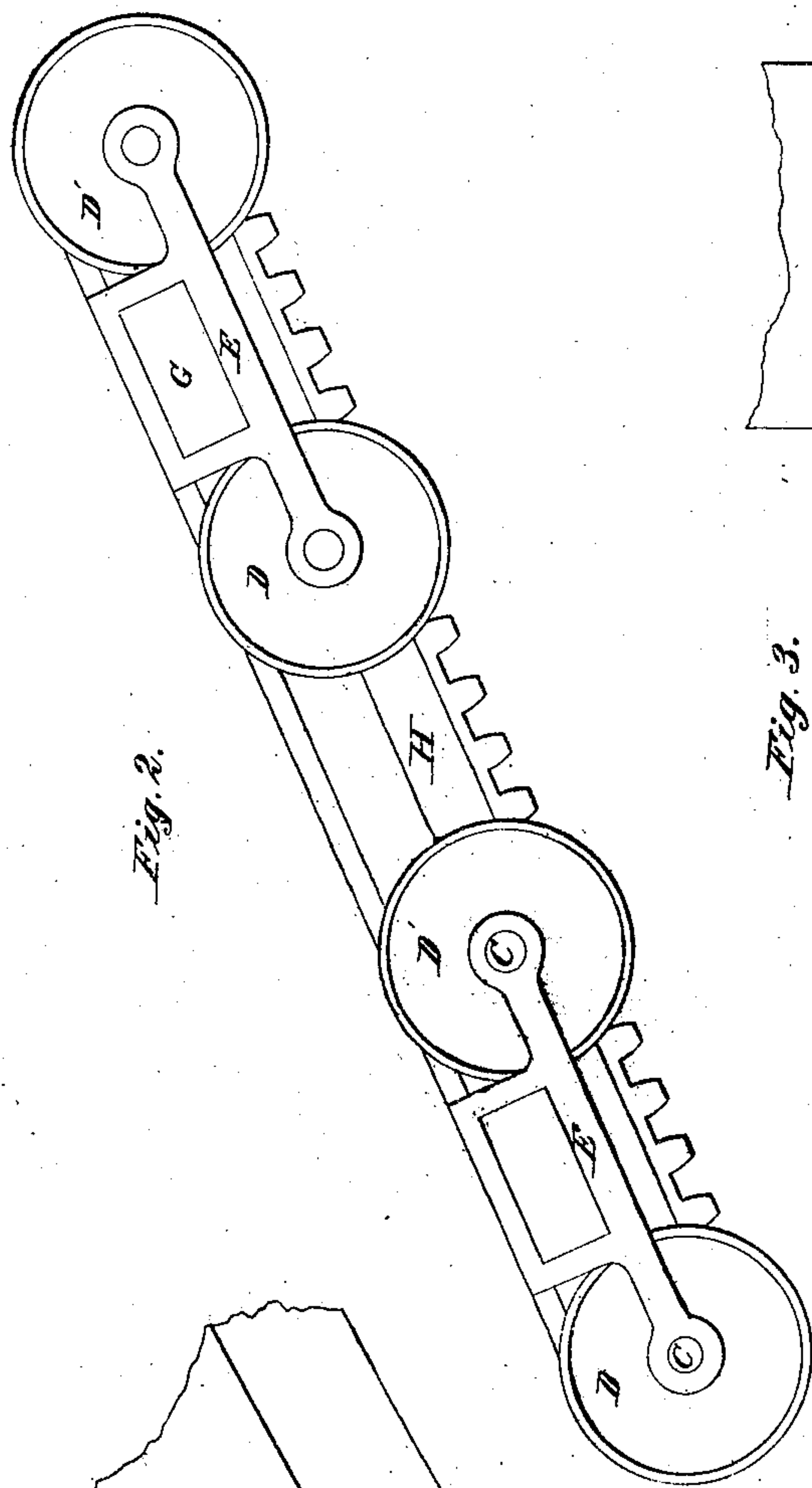


Fig. 2.

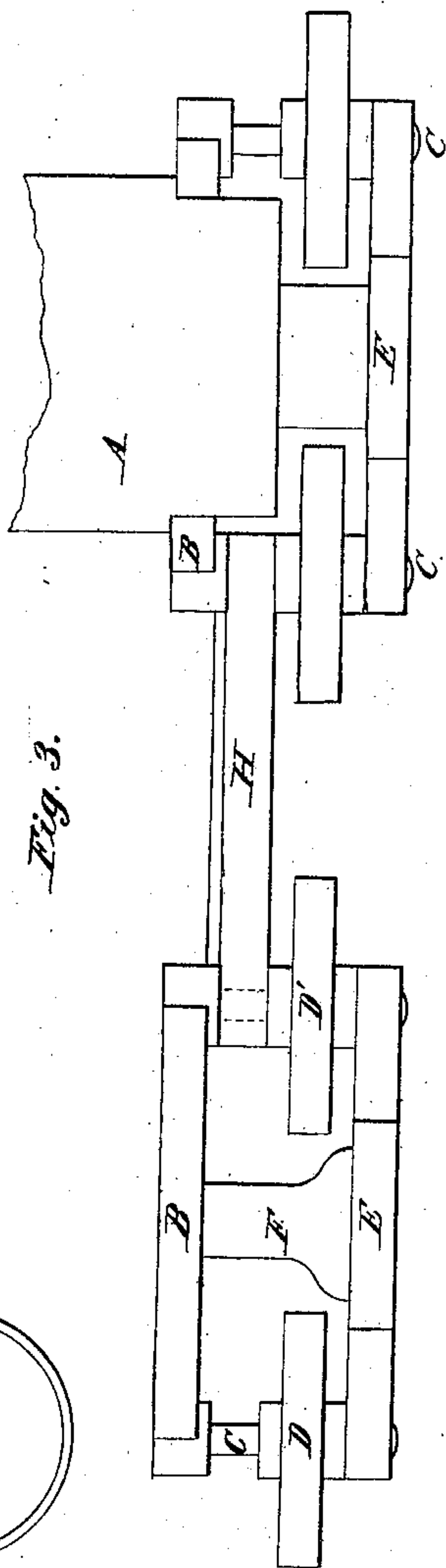


Fig. 3.

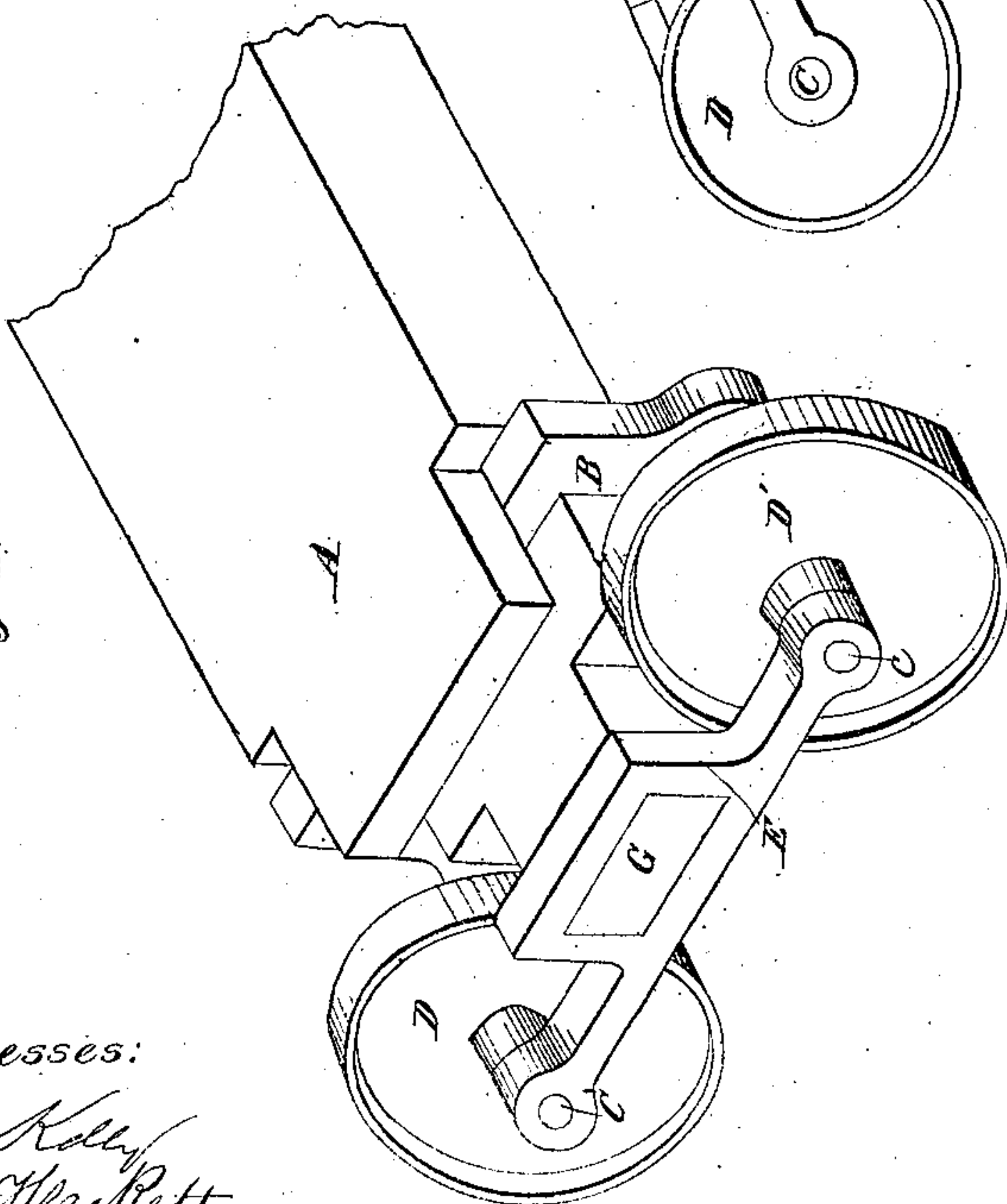


Fig. 1.

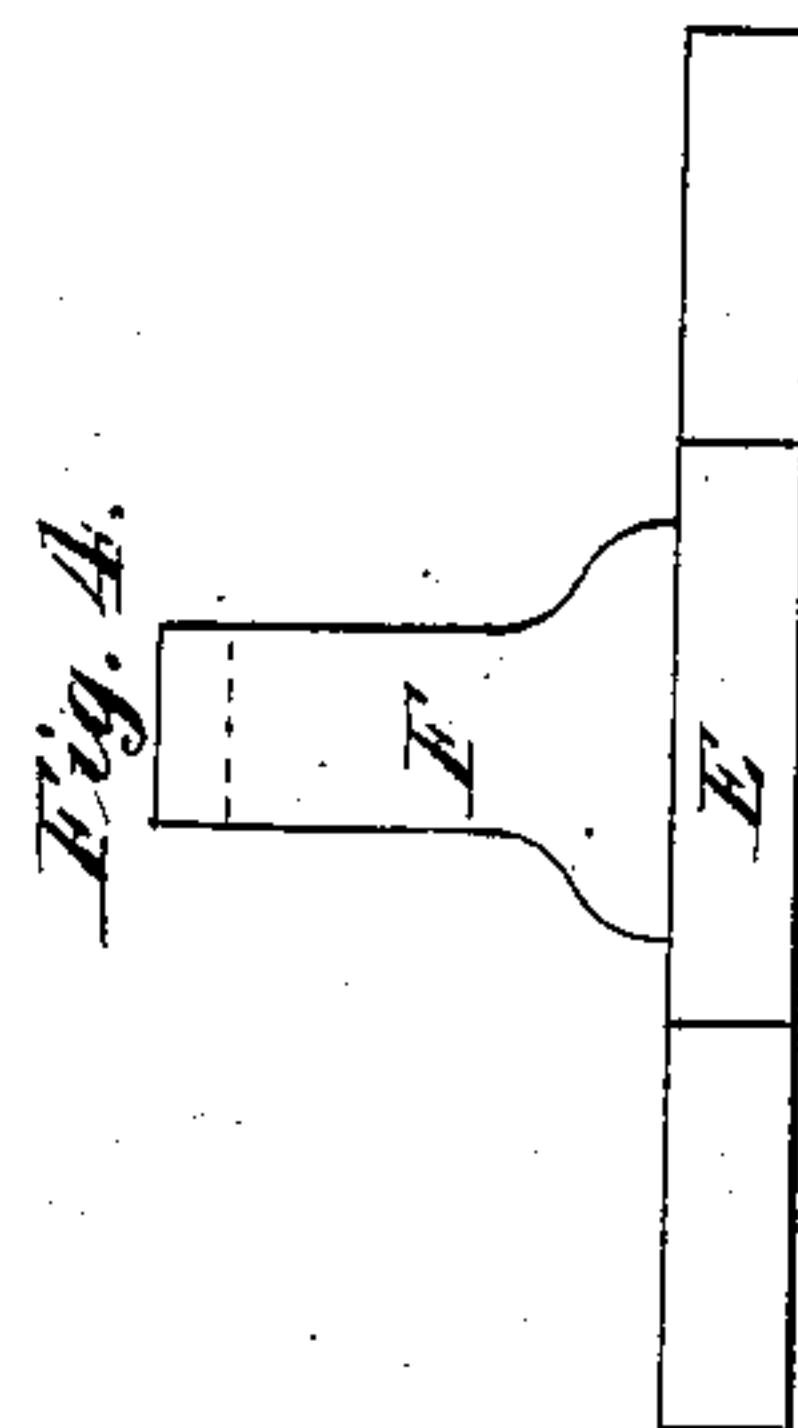


Fig. 4.

Witnesses:  
H. S. Kelly  
B. J. Hackett

Inventor:  
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# UNITED STATES PATENT OFFICE.

SETH WHEELER, OF ALBANY, NEW YORK.

## LINK FOR HORSE-POWERS.

Specification of Letters Patent No. 36,378, dated September 2, 1862.

*To all whom it may concern:*

Be it known that I, SETH WHEELER, of Albany, in the county of Albany and State of New York, have invented a new and Improved Link for Horse-Powers, which distributes the strain equally on both sides of the wheels instead of being overhung and thereby throwing the weight or strain on one side, as in other links, and it embraces other advantages which will be herein set forth.

The nature of my improvement consists in extending the studs or journals on the link far enough beyond the wheels to receive a supporting bar which extends from one stud or journal to the other and is provided with a slot or opening to receive the outer end of the lag which previously passes through a slot or opening in the link.

To the center of the supporting bar an arm is cast which extends into the link and comes flush with the bottom of the mortise or opening. When the lag is fitted to its proper position it sustains the supporting bar and braces the studs or journals firmly, so that when the strain of working together with the weight of the horse, comes upon the lag it is equally distributed on both sides of the wheels thereby relieving the studs or journals and preventing them from breaking off, an accident which frequently occurs with overhung studs or journals where the weight and strain is entirely on one side. The peculiar manner of forming a tenon on the ends of the lag gives it additional strength besides being simple and easily manufactured. The link may be reversed so as to bring the supporting bar on the inside of the wheels.

I have thoroughly tested my improvement and find it works to good advantage.

Having thus set forth the nature of my improvement and to enable others skilled in the art to make and use the same I will now

proceed to describe it and certify that the accompanying drawings are a full and correct representation of the same like letters corresponding with like parts.

### *Description.*

Figure 1 represents a perspective view of the link as applied to a lag. Fig. 2 is a side elevation of the same showing a train of links in their proper position. Fig. 3 is a plan of the same with one lag removed to show the supporting bar and the attachment to the link. Fig. 4 is a separate view of the supporting bar.

A Figs. 1 and 3 is the lag B the link C C' the studs or journals on the same on which the wheels D D' revolve. E is the supporting bar which fits on the studs or journals C C' outside the wheels D D'. F the arm cast on the lower side of the supporting bar E and extending to the link B, G the outer end of the lag A and forms a tenon to fill the opening or mortise in the supporting bar E. H is a link connecting from one stud or journal to another between the supporting bars and is provided with an opening to receive the lag in the usual manner. It will thus be seen that the lag A passes through the link B and the supporting bar E and rests upon the arm F thereby bracing the whole securely and supporting the outer ends of the studs or journals C C' besides distributing the strain and weight on both sides of the wheels D D'.

I claim—

The supporting link E or its equivalent applied to the studs or journals C C' for the purpose of distributing the weight or strain on both sides of the wheels D D' substantially and for the purpose specified.

SETH WHEELER.

Witnesses:

W. S. KELLY,  
BARTW. G. HACKETT.