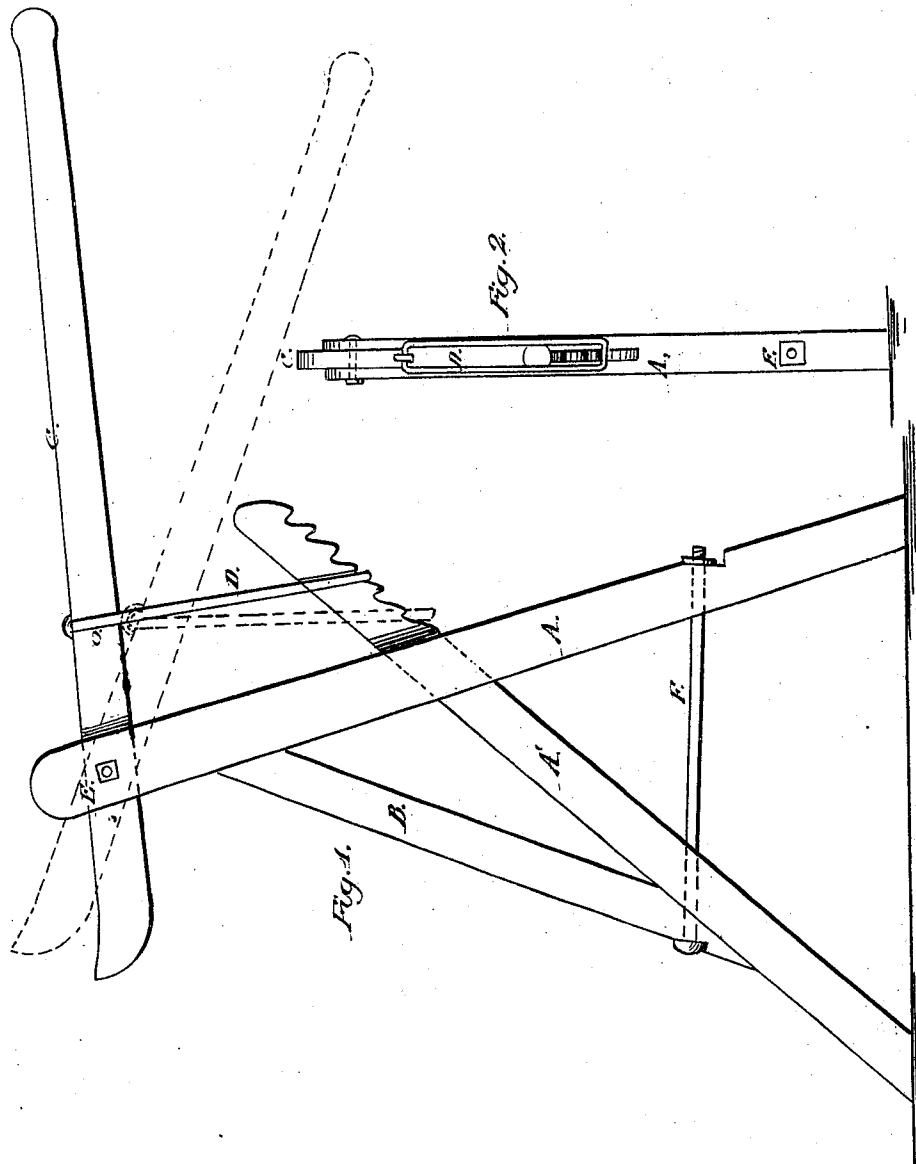


J. Riddleberger.

Lifting Jack.

N^o 87,292.

Patented Feb. 23, 1869.



Witnesses:
Chas. Glauert
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UNITED STATES PATENT OFFICE.

JOHN RIDDLESBERGER, OF WAYNESBOROUGH, PENNSYLVANIA.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. **87,292**, dated February 23, 1869.

To all whom it may concern:

Be it known that I, JOHN RIDDLESBERGER, of Waynesborough, in the county of Franklin and State of Pennsylvania, have invented a new and useful Improvement in Lifting-Jacks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a vertical elevation of my improved jack. Fig. 2 is an end view of the same.

Corresponding letters refer to corresponding parts in both figures.

This invention relates to an improvement in lifting-jacks; and it consists in the combination and arrangement of the parts of which it composed, as will be more fully described hereafter.

A, A', and B represent the frame-work of the jack, A being the principal standard or post, while A' is an auxiliary post or standard, which may be secured to A by being caused to pass through a mortise or slot formed therein, or it may be attached to the side thereof and secured by a bolt.

It will be observed that that portion of A' which passes through the principal post has formed upon its under side a series of notches, which are for the reception of the link D. That portion of the frame-work marked B, it will be seen, acts as a brace, and serves to strengthen the parts A and A'.

C represents a lever, which rests within a slot formed in the upper end of the post or standard A, to the sides of which it is pivoted and held in position by bolt E. The short arm of this lever is to be placed under or in some way connected with the weight to be raised, while the opposite or longer arm is to be borne down until the carriage or other weight has been raised to the required height, when the link D, which is secured to the up-

per side of this arm of the lever, is caused to engage with the notch upon the post A', which is necessary to retain the weight in its elevated position. The different positions which these parts assume are clearly shown in Fig. 1 of the drawings.

D represents the link, which is secured to the lever C, and is held in its position thereon by means of a staple, which may be driven into such lever.

E represents the bolt, which serves as a fulcrum, upon which lever C turns, and as the means for retaining it in its position in the post A.

F represents a bolt, which passes through the several parts of the frame, and is for the purpose of securing these parts in their relative positions.

The operation of this device is as follows: The parts being constructed and arranged as shown in the drawings, the short arm of the lever C is to be placed under the axle of a wagon or other weight to be raised, when the opposite or long arm of this lever is to be borne down, and as the weight is raised the link D is to be caused to engage with the notches formed upon the under side of post A', which secure the weight in its elevated position until the same is released and the weight permitted to return to its original position.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination and arrangement of the posts or standards A A', brace B, lever C, and link D, substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN RIDDLESBERGER.

Witnesses:

D. B. RUSSELL,
J. B. RUSSELL.