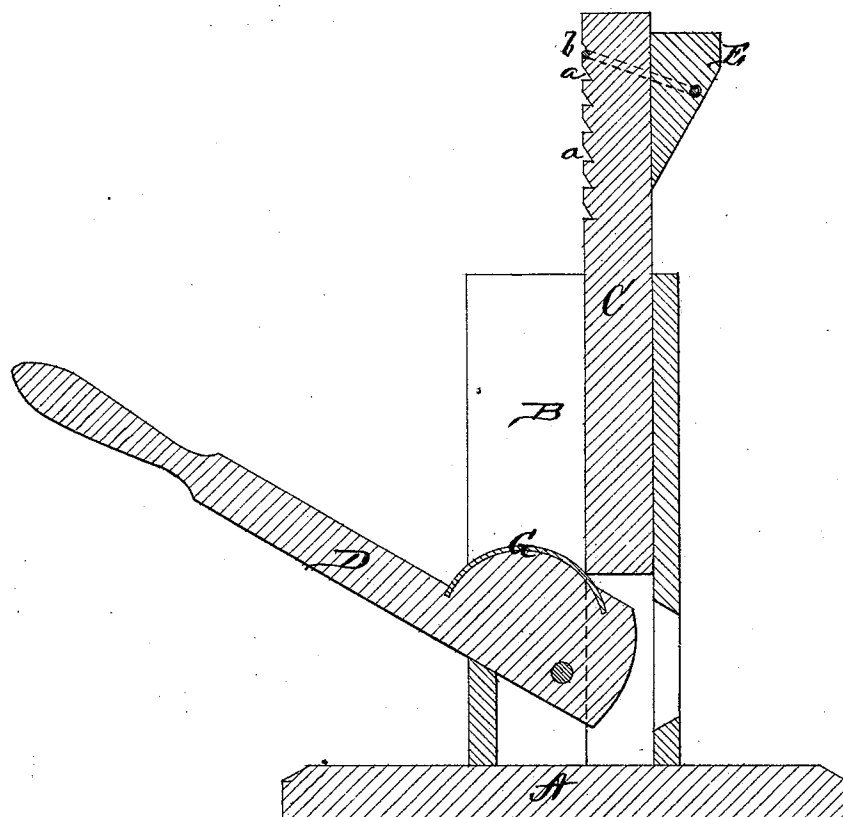


A. R. GILES.

Improvement in Wagon-Jacks.

No. 114,937.

Patented May 16, 1871.



Witnesses

John A. Ellis.
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Inventor

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ABNER R. GILES, OF ADAMS, NEW YORK.

Letters Patent No. 114,937, dated May 16, 1871.

IMPROVEMENT IN WAGON-JACKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ABNER R. GILES, of Adams, in the county of Jefferson and State of New York, have invented certain new and useful Improvements in Wagon-Jacks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a carriage or lifting-jack, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a longitudinal vertical section of my jack.

A represents a bed-plate of any suitable size, from which rises a box, B, grooved vertically for the standard C and lever D to work in.

The standard C moves perpendicularly up and down in the box B, and on one side, at the upper end, is provided with a series of notches, *a a*, for holding the piece E by means of the bail *b* attached to said piece, and inserted or laid in the notches *a a*.

The lever D is pivoted in the lower portion of the box B, its inner end coming under the standard C, and on the upper side of the lever is a semicircular projection, G.

The fulcrum of the lever D is, as seen, on one side of the center of the circle G, which raises the standard C, therefore holding the object raised without any assistance.

By raising the lever D the standard C is raised, and from the construction of the lever it will be seen that when partially raised the weight of the object assists in raising itself.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The construction and arrangement of the bed-plate A, box B, standard C with notches *a a*, piece E with bail *b*, and lever D, with semicircle G, all substantially as and for the purposes herein set forth.

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

ABNER R. GILES.

Witnesses:

GEORGE B. R. WHIPPLE,

NATHANIEL O. BEMIS.