

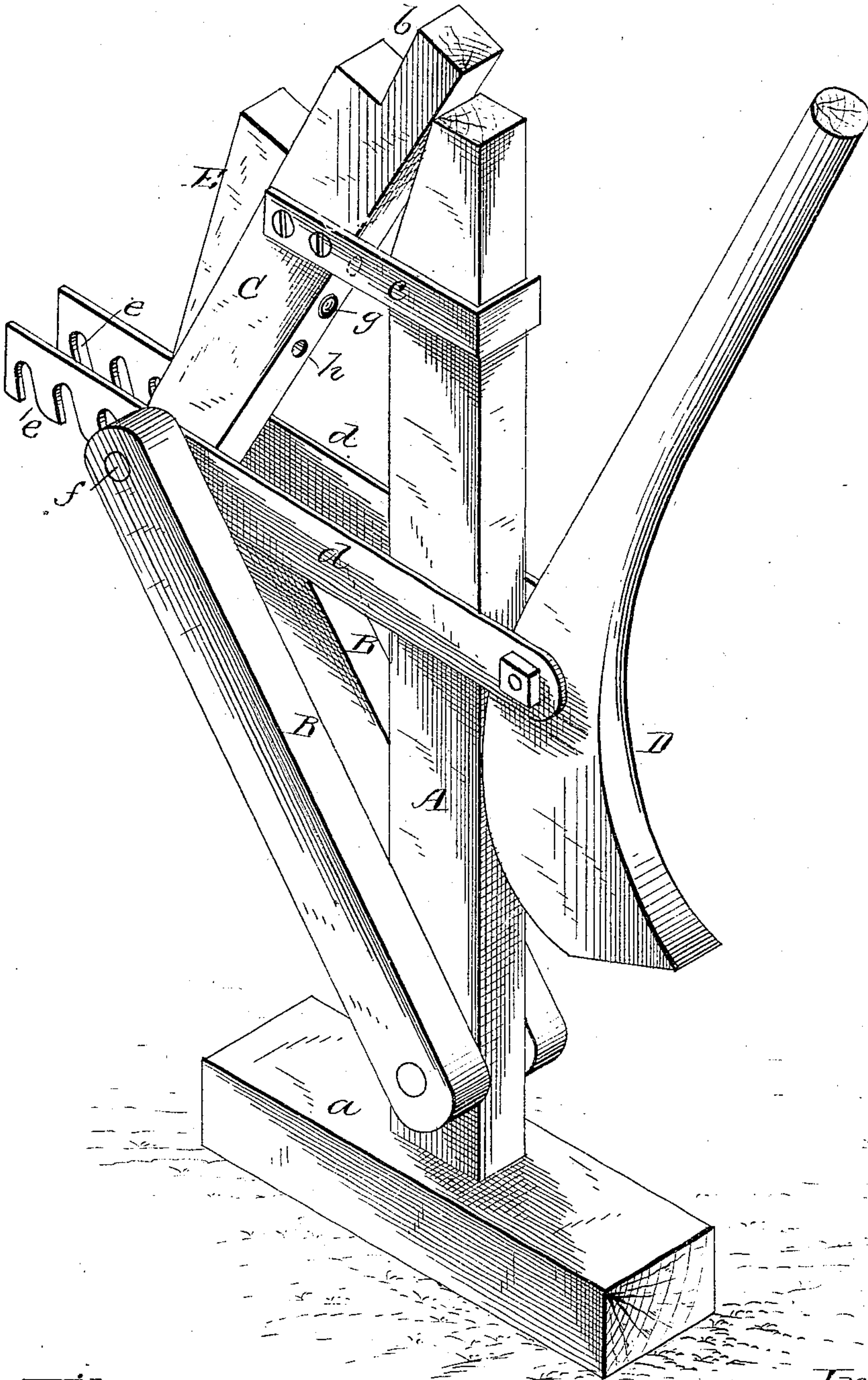
(No Model.)

E. J. EVANS.

LIFTING JACK.

No. 270,649.

Patented Jan. 16, 1883.



Witnesses:
Wm B. Bush
L. L. Miller

Inventor:
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UNITED STATES PATENT OFFICE.

EDWIN J. EVANS, OF LEAVENWORTH, KANSAS.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 270,649, dated January 16, 1883.

Application filed June 26, 1882. (No model.)

To all whom it may concern:

Be it known that I, EDWIN J. EVANS, a citizen of the United States, residing at Leavenworth city, in the county of Leavenworth and State of Kansas, 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 of the same, reference being had to the annexed drawing, making a part of this specification, and to the letters and figures of reference marked thereon.

The present invention has relation to certain new and useful improvements in wagon-jacks; and the object thereof is to provide such a device that will possess great leverage-power, readily and easily operated, as well as simple in its construction, and having the required strength. These several objects I attain by the construction substantially as shown in the drawing, hereinafter described, and claimed.

In the accompanying drawing, which represents a perspective view of my invention, A designates a suitable standard, connected to a support or base, *a*, by mortising or otherwise, as found most desirable.

To each side of the standard A, near its lower end, are pivoted arms B, the upper ends of said arms being pivoted in turn to the lower end of the lifting-bar C, having the usual steps, *b*. The lifting-bar C has connected to it by screws, bolts, or other suitable means, a metal yoke, *c*, which passes over the end of the standard A, to guide and steady the lifting-bar when being elevated or lowered.

Upon each side of the standard A is a metal strap, *d*, the forward ends thereof having a series of notches, *e*, adapted to fit over the bolt *f*, between the arms B and lifting-bar C. This construction enables the height of the lifting-bar C to be regulated by raising the notched ends of the straps and bringing any one of the series of notches to engage with the bolt, thus adapting the lifting-jack to a variety of work without requiring so great a leverage-power upon the cam-lever D, to which the straps *d* are pivoted. I do not, however, desire to be understood as confining myself to such construction, as in place of the notched ends of

the straps the bolt may pass directly through the metal straps.

The cam-face of the lever D bears against the standard A, and by pressing down upon it the lever will draw the metal straps toward it, and also the arms and lifting-bar, raising the latter and the object upon it to the required height.

In addition to one or more steps *b* upon the lifting-bar C, it may be provided with an adjustable step, E, secured to the bar by a bolt, *g*, passing through the step and through one of a series of holes, *h*, in the lifting-bar.

By removing the bolt *g* and replacing it in another one of the holes *h* the height of the step E is changed, thus adapting it to fit any unusual height of axle, or for other lifting purposes where the steps *b* could not be used.

It will be seen that a jack is provided that can be readily used for all lifting purposes, and possesses great power, strength, and durability, and is not likely to become broken or get out of order by any undue strain or weight.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a lifting-jack, the combination, with the standard A, pivoted arms B, and lifting-bar C, having yoke *c*, of the straps *d* and cam-operating lever D, pivoted together and constructed to operate substantially as and for the purpose set forth.

2. In a lifting-jack, the standard A, pivoted arms B, and lifting-bar C, in combination with the cam-lever D and plates or straps *d*, pivoted to said lever, and at their opposite end having notches *e*, adapted to engage with the bolt *f*, as set forth.

3. In a lifting-jack, the lifting-bar C, having stationary step *b*, in combination with the adjustable step E, as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

EDWIN J. EVANS.

Witnesses:

J. H. NOBLE,
L. HAWN.