

D. CILLEY.
Lifting-Jack.

No. 165,713.

Patented July 20, 1875.

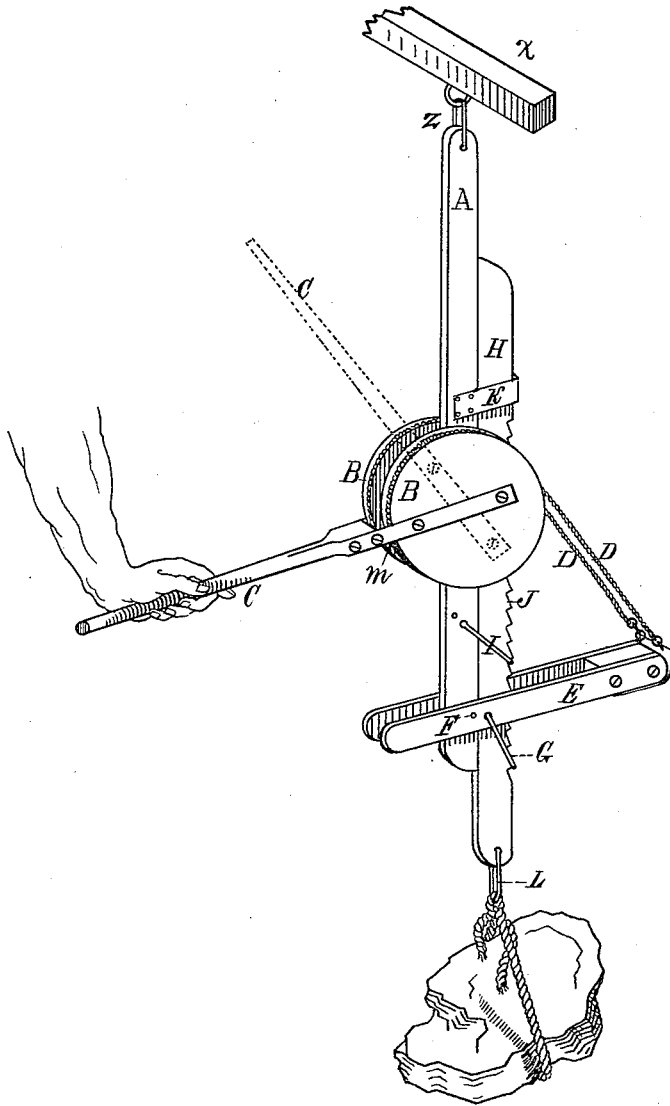


Fig. 1.

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UNITED STATES PATENT OFFICE.

DAVID CILLEY, OF MILO, MAINE.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. **165,713**, dated July 20, 1875; application filed May 17, 1875.

To all whom it may concern:

Be it known that I, DAVID CILLEY, of Milo, in the county of Piscataquis, State of Maine, have invented a certain new and useful Improvement in Lifting-Jacks, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing forming a part of this specification, in which the figure is an isometrical perspective view, representing the jack in use.

My invention relates to that class of lifting-jacks which are suspended in use; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which a simple, cheap, and effective device of this character is produced.

The nature and operation of my invention will be readily obvious to all conversant with such matters from the following description:

In the drawing, A represents the body or main bar of the jack, which may be supported to a beam, *z*, by the link *z*, and is provided with the gravitating retaining-link I. Fitted to slide in the guide or ways K there is an auxiliary bar, H, provided with downwardly-inclined serrations or teeth J and the link L, and pivoted at F to the bar A there is a bifurcated horizontal lever, E, provided with the gravitating lifting-link G. Two drums or wheels, B B, are journaled upon the bar H,

and provided with the hand-lever C, and extending from the outer end of the lever E over these drums are two cords, D D, the ends of which are secured at *m*.

In the use of my improvement the weight or body to be raised is first firmly attached to the link L, the bar A being secured to the beam *z*, or any proper support. The hand-lever C is then elevated, as shown by the dotted lines, permitting the outer end of the lever E to drop, and the link G to fall downwardly and engage with one of the teeth of the bar H. The lever C is then depressed, as shown, elevating the lever E, link G, and bar H, the link I at the same time falling and engaging the serrated edge of the bar H to hold or retain the same while the link G is caused to descend again to repeat the operation, as before.

Having thus explained my invention, what I claim is—

The improved lifting-jack described, consisting of the bar A, provided with the link I, the bar H, provided with the teeth J, the lever E, provided with the link G, and the drums B B, provided with the lever C and cords D D, all combined and arranged to operate substantially as and for the purpose set forth and specified.

DAVID CILLEY. [L. s.]

Witnesses:

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