

(No Model.)

L. MEEKER.

LIFTING JACK.

No. 264,732.

Patented Sept. 19, 1882.

Fig. 1.

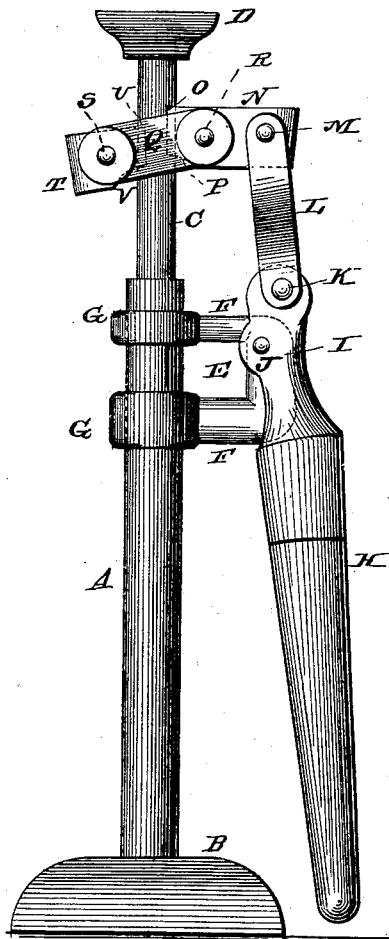


Fig. 2.

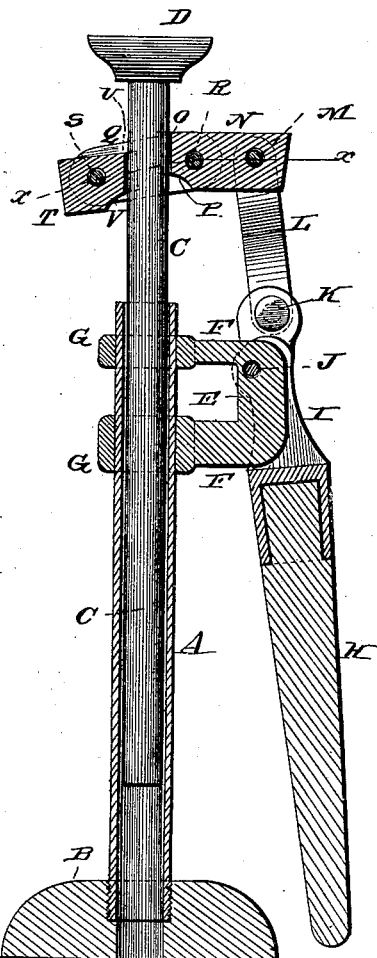


Fig. 3.

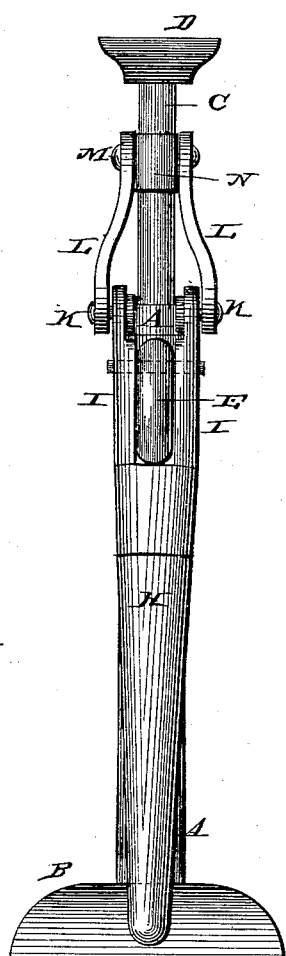
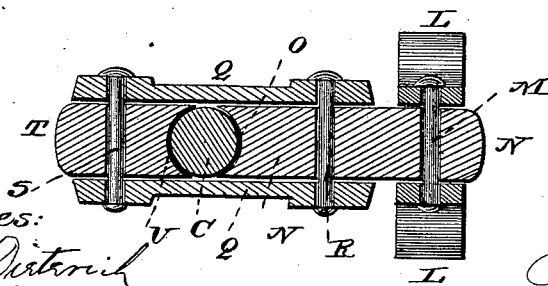


Fig. 4.



Witnesses:

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# UNITED STATES PATENT OFFICE.

LORENZO MEEKER, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO  
EUGENE MEEKER, OF SAME PLACE.

## LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 264,732, dated September 19, 1882.

Application filed July 13, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, LORENZO MEEKER, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful  
5 Improvements in Lifting-Jacks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to lifting-jacks; and it consists in certain improvements on my Patent No. 198,654, of December 25, 1877, whereby  
15 a more substantial, durable, and adapted bracket is provided for the lifting-lever, and more efficient and convenient clutch means employed for holding up the elevating rod or bar, all substantially as will be hereinafter more  
20 specifically described and claimed.

In the drawings, Figure 1 is a side view of the improved jack; Fig. 2, a vertical sectional view thereof; Fig. 3, an end view, and Fig. 4  
25 a horizontal sectional view, on the line *x x*, Fig. 2.

Referring to the drawings, A designates the tubular standard supported on base B, in which works the rod or bar C, having lifting-head D, all as shown in my above patent.

30 Near the top of standard A projects a lateral C-shaped bracket, E, the ends of which, F F, have eyes G G, which embrace the standard to retain the bracket in position.

H is the lifting-lever, the arms I I at the bifurcated end of which embrace and are pivoted to the upper corner of bracket E by a pin or bolt, J.

To the ends of arms I I are pivoted, by pins K K, connecting links or pieces L L, which latter are pivoted at their tops by a pin, M, to a  
40 clutch-lever bar, N, having a concaved end, O, and a beveled under side, P.

Q Q are two side arms or plates, which are pivoted by a transverse fulcrum-pin, R, to the  
45 lever N, and have pivoted at their opposite ends, by a transverse fulcrum-pin, S, a corresponding stub-lever, T, having a like concaved end, U, and beveled edge V. This clutch

mechanism is very efficient and cannot slip when the load is raised. While the lifting-rod C can be readily raised to the load, the levers N and T firmly bind against its sides and prevent any downward movement until the stub-lever is elevated above the lever N, when the bar C drops down.

The C-shaped bracket is of superior strength by reason of its double arms, and the whole device is simple, durable, and efficient.

The operation and advantages of my invention will be readily understood. When the lever H is lowered the rod C, by reason of the clamping mechanism, is raised to elevate the weight, and when down the clamp holds the rod C from slipping.

I claim and desire to secure by Letters Patent—

1. The combination of the tubular standard, the C-shaped bracket, the ends of which are formed with eyes to embrace the standard and secure the bracket thereon, the lifting-lever H, connecting-arms L L, clutch N T, and elevat-  
70 ing-rod C, substantially as set forth.

2. The combination, with the lever-bar N, having the concaved end and beveled edge, and connected by pivoted pieces with the lifting-lever, of the side arms or plates, Q Q, pivoted by a transverse fulcrum-pin to lever N, and a stub-lever, T, having a like concaved end and beveled edge, and connected to the opposite ends of plates Q Q by a transverse  
80 fulcrum-pin, S, substantially as set forth.

3. The combination, with the tubular standard, of the C shaped bracket secured thereon and having pivoted to its upper corner the lifting-lever, connecting-pieces L L, bar-lever N, side arms or plates, Q Q, stub-lever T, having transverse fulcrum-pin S, and the lifting-rod C, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in  
90 presence of two witnesses.

LORENZO MEEKER.

Witnesses:

E. E. MEEKER,  
JULIUS KATZ.