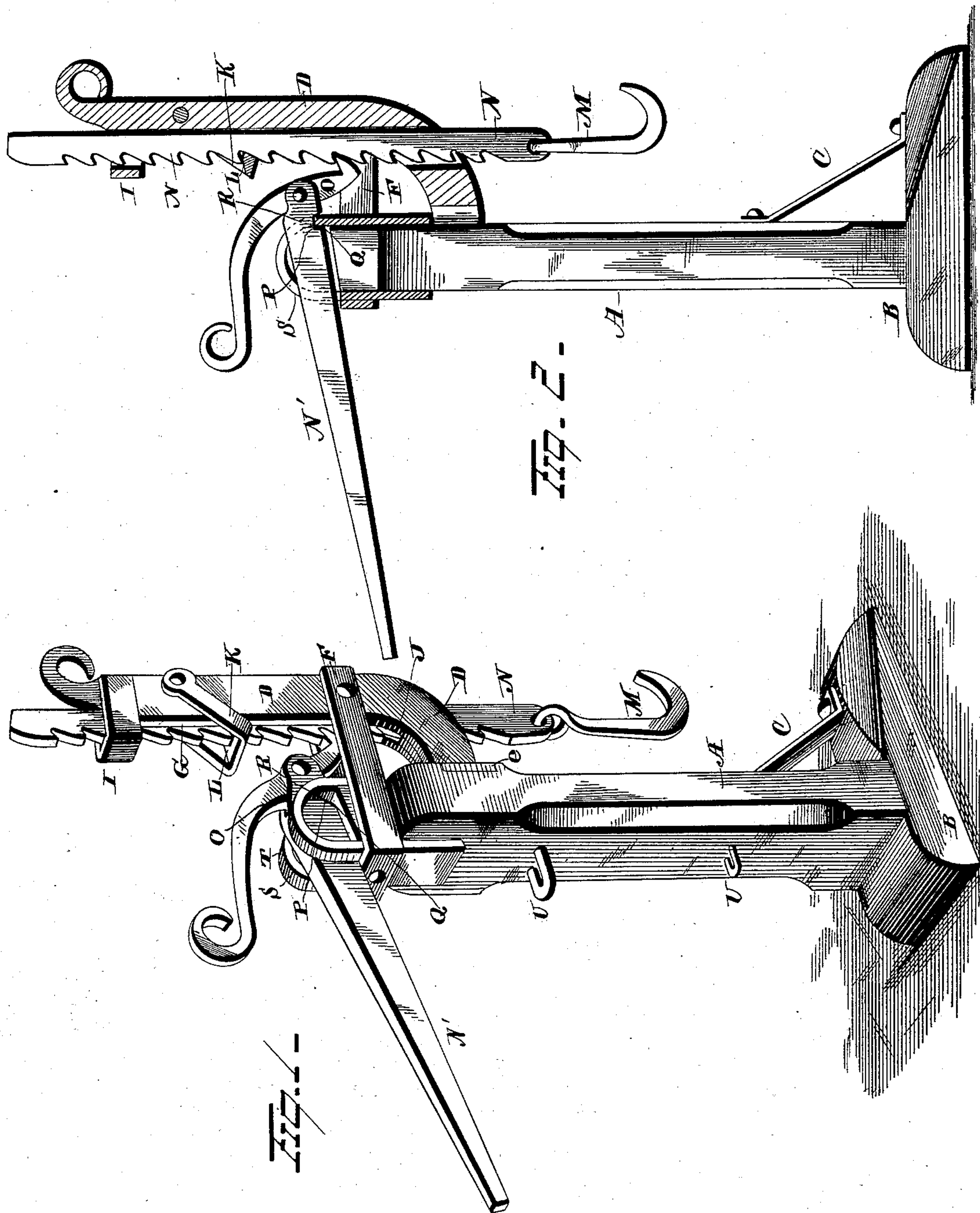


(No Model.)

P. WITT.
LIFTING JACK.

No. 280,000.

Patented June 26, 1883.



WITNESSES

G. J. Nottingham
G. J. Downing

INVENTOR

Pleasant Witt
By *H. A. Suppiger*
Attorney

UNITED STATES PATENT OFFICE.

PLEASANT WITT, OF CONKLING, TENNESSEE.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 280,000, dated June 26, 1883.

Application filed April 30, 1883. (No model.)

To all whom it may concern:

Be it known that I, PLEASANT WITT, of Conkling, in the county of Washington and State of Tennessee, have invented certain new and useful Improvements in Lifting-Jacks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in lifting-jacks, the object being to provide a device of this character which shall combine cheapness and simplicity of construction and durability and efficiency in use.

With these ends in view my invention consists in certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of a lifting-jack embodying my invention, and Fig. 2 is a view thereof in vertical section.

The standard to which the operating parts of the device are secured may be of any desired and suitable construction. As herein shown it consists of an upright, A, a foot, B, and a brace, C. A metal arm, D, secured to the upright aforesaid by means of flanges E and a band, F, has a recess, G, formed in its inner face, said recess receiving the rack-bar H. The upper end of the rack-bar is held in place by means of a loop or bearing, I, while its lower end plays in a vertical slot, J, formed near the bend of the arm D. In the drawings the arm is shown to be composed of plates bolted together; but it may be made in one piece, if desired. A gravity-bail, K, fulcrumed on the said arm and provided with a knife-edge, L, is arranged to engage with the teeth of the bar, to the lower end of which the lifting-hook M is secured. The said bar is operated by means of a hand-lever, N, having a gravity-pawl, O, fulcrumed in its outer end, and provided with a notch, P, which receives the edge Q of the bearing R, the said edge constituting the fulcrum of the lever. The outer end of the gravity-pawl O aforesaid is sufficiently long and heavy to insure a ready and positive engagement between its inner end and the teeth of the rack-bar. The said bearing R consists of a curved plate, the ends of which are respectively bolted to opposite

faces of the upper end of the upright A. That portion of the plate extending above the top of the upright is traversed by an opening, S, the outer end of which is lower than the inner end, which terminates at the edge O aforesaid. By virtue of this construction of the bearing the lever is allowed all the play required for it, while at no time is it carried beyond the range of the straps T, which guide it and prevent its lateral displacement.

The top of the upright may be cut away as shown or not, it being necessary only that it shall not interfere with the action of the lever.

Staples U, placed on the side of the upright, are designed to receive the lever when the arm is not mounted in its bearing, it being readily lifted therefrom for the purpose of removal.

I would have it understood that I do not limit myself to the exact construction shown and described, but that I hold myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. In a wagon-jack, the combination, with a standard provided with an upwardly-projecting arm, of a sliding rack-bar mounted in said arm, a gravity-catch pivoted to the arm and adapted to engage the rack-bar, and a hand-lever provided with a gravity-pawl, adapted to engage with and raise the rack-bar, substantially as set forth.

2. In a wagon-jack, the combination, with a standard provided with an upwardly-projecting arm, of a sliding rack-bar mounted in said arm, a gravity-catch pivoted to the arm and adapted to engage the rack-bar, a removable hand-lever provided with a gravity-pawl, and a curved slotted plate secured to the upper end of the standard and serving as a fulcrum and side support for the hand-lever, substantially as set forth.

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

PLEASANT WITT.

Witnesses:

W. S. HICKEY,

J. R. NORTHINGTON.