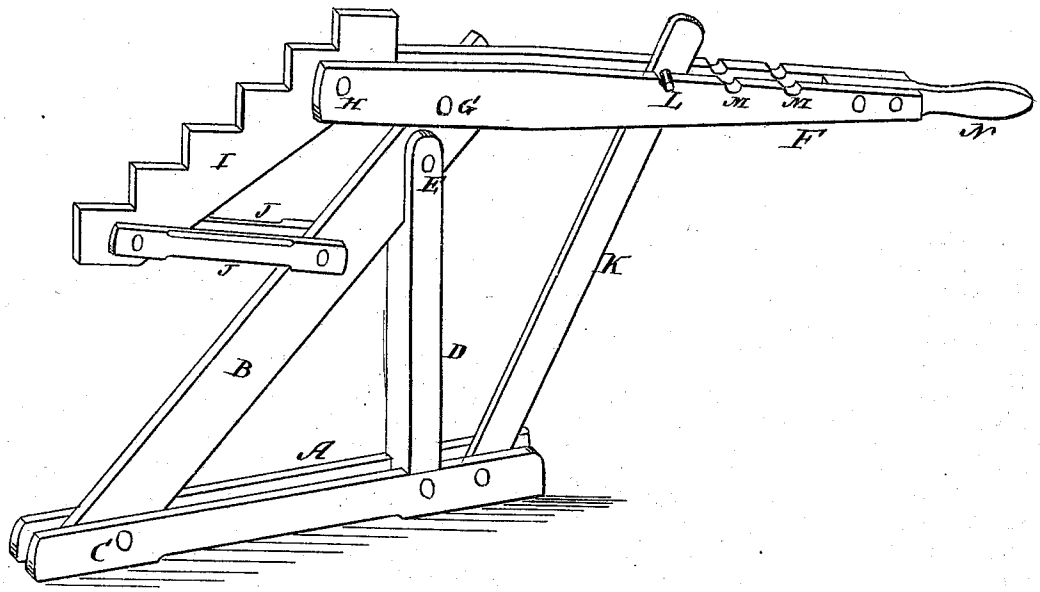
J. S. ROWLAND.

LIFTING-JACK.

No. 173,499. Patented Feb. 15, 1876.



WITNESSES:

E. Wolff

A. F. Terry

INVENTOR:

J. S. Rowland

BY

ATTORNEYS.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES S. ROWLAND, OF SENECAVILLE, OHIO.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. **173,499**, dated February 15, 1876; application filed February 13, 1875.

To all whom it may concern:

Be it known that I, JAMES S. ROWLAND, of Senecaville, in the county of Guernsey and State of Ohio, have invented a new and useful Improvement in Lifting-Jacks, of which the following is a specification:

This invention relates to lifting-jacks, and is designed as an improvement on the lifting-jack secured to me by Letters Patent dated June 16, 1874, No. 152,173. The improvement consists in a pivoted lever, having a series of notches and a holding-bar pivoted to the base-block, and provided with a transverse pin engaging with the notches in said lever, as is hereinafter described.

In the accompanying drawing, A is the base of the jack, which is made of such length and breadth as to form a good support to the jack. B is an inclined bar, attached firmly to near the forward end of the base, as seen at C. D is an upright, attached to the rear portion of the base and to the upper portion of the inclined bar B, as seen at E. F is the lever, constructed of one or more pieces, which is pivoted to near the end of the inclined bar B. The forward end of the lever extends forward from the fulcrum-pin G, and is connected by another pin, H, to the notched bar I. J J are bars which connect the notched bar I with the inclined bar B. These connections are pivots, so that when the lever F is operated the notched bar will rise and fall. The axle of the vehicle rests upon one of these notches, according to the height of the axle. K is a bar, which is pivoted to the base A, from which it extends upward above the lever F, having a pin, L, above the lever, which, when the jack is loaded, falls into one or the other of the recesses *m* in the top side of the lever, and thereby holds the load.

In this example of my invention the lever F is made of three pieces, leaving a long slot from the handle N, but I do not limit myself to this particular construction, as the lever may be made in a single piece. The base A is made in two pieces to receive the bars and upright between them, but the base may be mortised, if desired.

When the suspended load is to be lowered, the rear end of the lever F is depressed to release the pin from the recesses in the lever, when the bar K is thrown forward with the foot, which allows the lever to rise and release the jack. The same effect may be produced by taking out the pin L, in which case the bar K may pass through a mortise in a lever made of a single piece, but I prefer the arrangement shown.

I am aware that a lifting-jack having a pivoted loop and a lever provided with a series of studs, together with a spring to hold the top of said loop against such pins, is not new. I therefore lay no claim to the invention thereof; but,

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

The combination with the base A, vertical standard D, inclined standard B, pivoted and notched bar I, pivoted connecting-bars J, of the pivoted lever F, having a series of notches, M, and the holding-bar K, pivoted to the base-block and provided with the tranverse pin L engaging with the notches on the upper face of lever F, substantially as specified.

JAMES S. ROWLAND.

Witnesses:

WILLIAM E. ROWLAND,

JOSHUA D. MEEK.