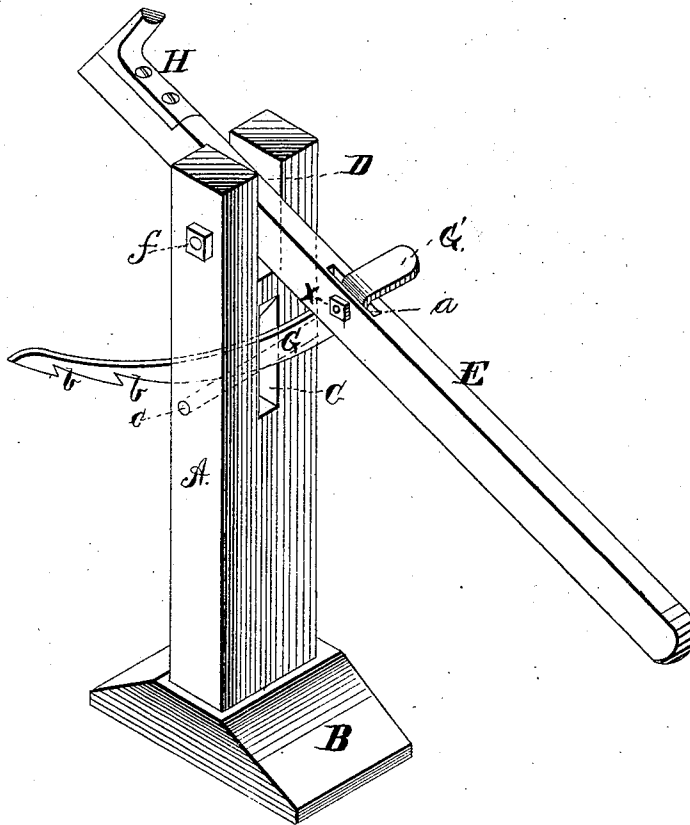


W. S. SHANAHAN.

LIFTING-JACK.

No. 184,915.

Patented Nov. 28, 1876.



WITNESSES
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UNITED STATES PATENT OFFICE.

WINFIELD S. SHANAHAN, OF SOUTH BEND, INDIANA.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. **184,915**, dated November 28, 1876; application filed August 24, 1876.

To all whom it may concern:

Be it known that I, W. S. SHANAHAN, of South Bend, in the county of St. Joseph, and in the State of Indiana, have invented certain new and useful Improvements in Wagon-Jacks; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to lifting-jacks; and the nature thereof consists of a notched and curved bar passed through a mortise in an upright standard, and entirely through and above the operating-lever, which is pivoted to the upper part of the standard, as hereinafter more fully set forth.

The figure in the accompanying drawing, making a part of my specification, represents a perspective view of my invention.

A represents an upright standard, which is secured to a suitable base, B. The standard, about midway, is provided with a vertical slot, C, and at its top is bifurcated, as seen at D. Within the bifurcation is pivoted (by a bolt, *f*) a long lever, E, having on its forward end an L-shaped metal casting, H, for catching under the vehicle-axle, and preventing the same from slipping off from the end of the lever when the axle is being raised. The lever E in the rear of the standard is provided with a slot, *a*, through which is passed a curved plate, G, and pivoted thereto by a bolt, X. The curved plate G has a series of notches, *b b*, on its under edge at the front part, and the slot C in the standard is provided with a cross-pin, *c*, for engaging the plate in any one of the notches. The upper and rear end of plate G is passed entirely through the slot

a in the lever, and has its end G' (preferably bent to one side of the lever, so as to form a handle, to enable the operator to disengage the plate from the cross-pin without going under the lever and pushing the plate upward, as has heretofore been the practice.

The operation of jack is substantially as follows: The standard being placed near the axle, the rear end of lever E is thrown up so that the front end H will come under the axle. The lever is then drawn down until the vehicle is raised as high as wanted. The weight of the vehicle pressing on the front end of the lever will cause the former to be suspended by means of one of the notches in the plate pressing against the cross-pin *c*.

To lower the vehicle, press on the part G', so that the plate is thrown free from the pin *c*, and gradually allow it to descend.

Having thus fully described my invention, what I claim is—

The combination of the standard A, supported on a base, B, provided with slot C and open-ended slot D at the top, the lever E, pivoted in said open-end slot, and having a slot, *a*, the curved and notched metal plate G, pivoted in the slot *a*, and forming a handle-piece, G', above and to the side of the lever, and the pin *c* in the slot C of the standard, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 24th day of June, 1876.

WINFIELD S. SHANAHAN.

Witnesses:

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