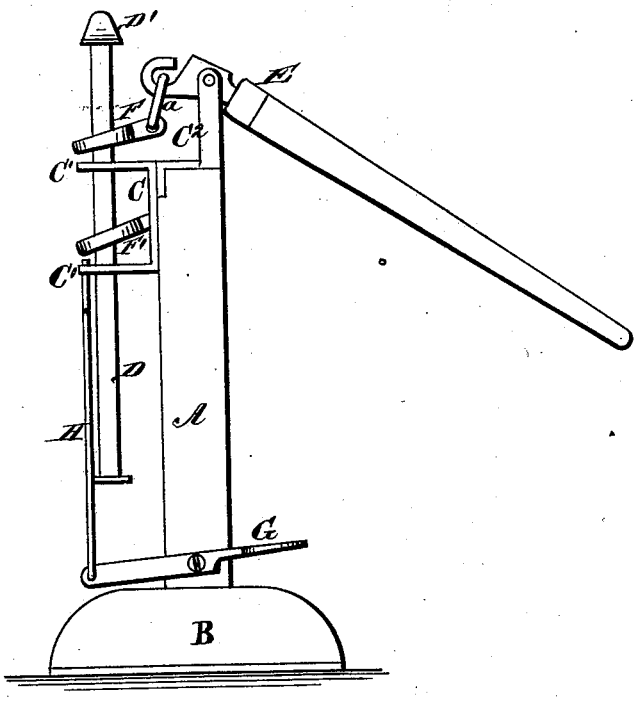
F. S. YINGER.
Lifting-Jack.

No. 200,117. Patented Feb. 5, 1878.




WITNESSES.
Robert Everett,
James J. Sheehy

INVENTOR.
Franklin S. Yinger.
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ATTORNEYS.

# UNITED STATES PATENT OFFICE.

FRANKLIN S. YINGER, OF MOUNT WOLF, PA., ASSIGNOR OF TWO-THIRDS HIS RIGHT TO WM. H. EISENHART AND ADAM HAKE, OF SAME PLACE.

## IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. **200,117**, dated February 5, 1878; application filed January 5, 1878.

*To all whom it may concern:*

Be it known that I, FRANKLIN S. YINGER, of Mount Wolf, in the county of York and State of Pennsylvania, have invented a new and valuable Improvement in Lifting-Jacks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, and to the letters and figures of reference marked thereon, in which the figure of the drawing is a representation of a side view of my lifting-jack.

This invention relates to that class of lifting-jacks operated and held in position by frictional contact; and the improvement consists in the construction of the parts, as will be hereinafter more fully set forth, and pointed out in the claim.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents an upright standard, provided with a foot, B, upon which it rests. At the upper end of the standard A, on the front, is secured a casting, C, provided with two forwardly-projecting arms, $C^1$ $C^1$, through which passes the vertical rod D. From the upper end of the casting C projects an L-shaped arm, $C^2$, which rests upon the top of the standard, and has its upper end forked, as shown. In this upper forked end of the arm $C^2$ is pivoted the operating-lever E. The inner end of this lever is, by a link, *a*, connected with a ring, F, placed loosely around the rod D above the casting C. A similar ring, F′, surrounds said rod between the two arms $C^1$ $C^1$, this latter ring being loosely connected to the plate or casting C.

The rod D is at its upper end provided with a head, D′, as shown, which is to be placed under the axle or other article to be lifted. The lever E, being raised, is now depressed, when the ring F will bite on the rod D, and raise the same a certain distance. When the lever is then raised again the rod D is held in its position by the ring F′, which, being loosely connected to the plate C, hangs down at an angle, so that the more pressure there is on the rod D the tighter it will bite and hold the same. By thus working the lever E up and down the rod D can be raised to any height desired.

To the side of the standard A, at the bottom, is pivoted a foot-lever, G, the front end of which has a rod, H, attached to it. This rod passes upward, and is bent so that its upper end will go through a hole in the lower arm $C^1$, directly under the front part of the ring F.

By pressing down the rear end of the foot-lever G the rod H is raised so as to lift the ring F′, and thus release or relieve its bite from the rod D, and allow said rod to descend again. By means of the lever E and ring F this descent is regulated so that the vehicle will not come down too suddenly.

What I claim as new, and desire to secure by Letters Patent, is—

The foot-lever G and rod H, in combination with the standard A, rod D, and ring F′, as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

FRANKLIN S. YINGER.

Witnesses:

WM. H. EISENHART,

WM. BEITZEL.