

(No Model.)

C. J. BALDWIN.  
Lifting Jack.

No. 235,404.

Patented Dec. 14, 1880.

Fig. 1.

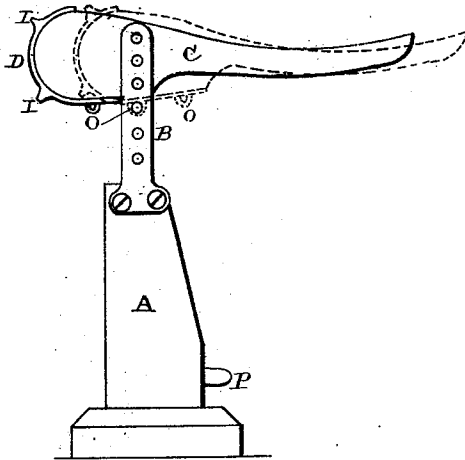
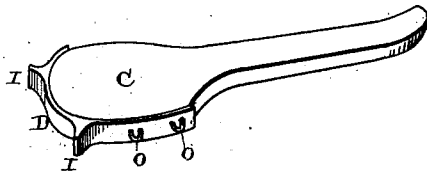


Fig. 2.



Witnesses  
W. M. Mortimer  
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Inventor  
C. J. Baldwin,  
per  
F. A. Lehmann,  
att'y.

# UNITED STATES PATENT OFFICE.

CHARLES J. BALDWIN, OF COLMAR, PENNSYLVANIA.

## LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 235,404, dated December 14, 1880.

Application filed August 20, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES J. BALDWIN, of Colmar, in the county of Montgomery and State of Pennsylvania, 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in lifting-jacks; and it consists in the combination of an operating-lever having secured to or formed upon the edge of its inner end two or more projections for catching under the axle, and two or more staples through which the pivotal bolt catches, with the two perforated uprights in which the lever can be vertically adjusted, substantially as described.

The object of my invention is to provide a lifting-jack in which the lever is provided with two or more fulcrums, so as not only to gain an increased leverage for a heavy vehicle, but so that the distance which the vehicle is to be lifted upward can be regulated at will.

Figure 1 is a side elevation of my invention complete. Fig. 2 is a perspective of the operating-lever alone.

A represents a suitable wooden standard of any desired form, shape, or construction, and which has secured to its upper end the two perforated supports B. In between these two supports B the operating-lever C is pivoted, and this lever, by means of the perforations in the supports, can be adjusted vertically, so as to be adapted to vehicles of different heights.

Secured to the inner edge of the operating-lever C is an iron band, D, upon which are formed the two projections I, for catching under the axle of the vehicle that is to be operated upon. Also secured to or projecting beyond this iron band are the two staples O, through which the pivotal bolt passes when the lever is secured in position between the two supports B.

There being two projections upon the end of the lever to catch under the axle, and two staples or bearings, so that the fulcrum of the lever can be changed from one place to the other, it will readily be seen that a greater or less leverage can be obtained, according to the weight of the vehicle that is to be raised, and that the vehicle can be raised a greater or less height, as may be desired.

One of the great objections to most of the jacks now in use is that the lever has only a single fulcrum, and hence there is only the same amount of leverage for both heavy and light vehicles, and this defect my invention entirely overcomes.

After one of the points or projections on the lever has been caught under the axle it is only necessary to bear down upon the outer end of the lever until the lever has passed the center of its fulcrum, and the vehicle will then remain in a raised condition without the necessity of holding the lever down. While the inner end of the lever is depressed so as to bear against the edge of the standard A, it is held in position by means of the spring-catch P, which, by catching over the lower end of the lever, holds it in a nearly-vertical position without any other help.

Having thus described my invention, I claim—

The combination of the standard A, perforated supports B, and lever C, having the metallic band D secured upon its end, the band being provided with the projections L, and staples O, with the pivotal bolt upon which the lever turns, and a catch, P, to hold the lever while there is a weight upon it, substantially as shown.

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of August, 1880.

CHAS. JACOB BALDWIN.

Witnesses:

N. B. BALDWIN,  
J. J. ROTZELL.