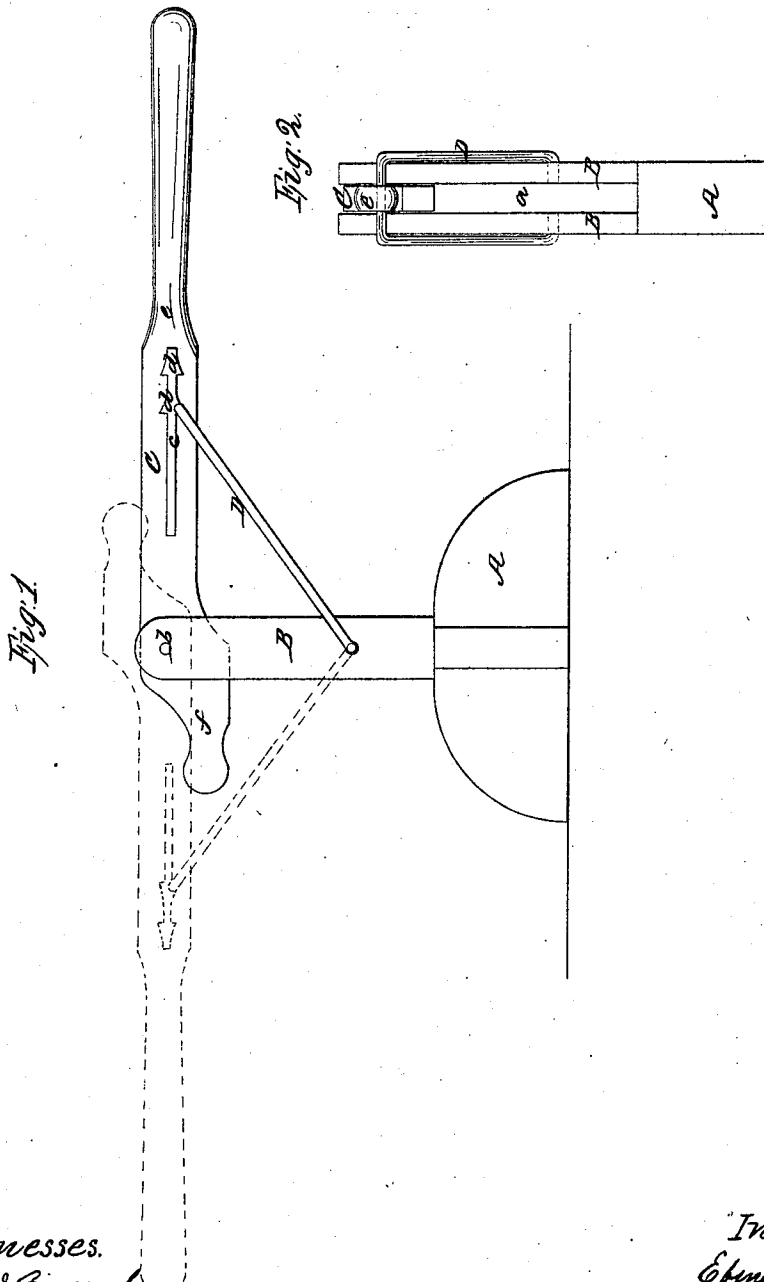


*E. Young,
Lifting Jack,*

No 41,738,

Patented Feb. 23, 1864.



*Witnesses.
J. W. Coombs
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UNITED STATES PATENT OFFICE.

EBENEZER YOUNG, OF CAMDEN CENTRE, MICHIGAN.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. 41,738, dated February 23, 1864.

To all whom it may concern:

Be it known that I, EBENEZER YOUNG, of Camden Centre, in the county of Hillsdale and State of Michigan, have invented a new and Improved Lifting-Jack; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of my invention; Fig. 2, an end view of my invention.

Similar letters of reference indicate corresponding parts in the two figures.

This invention relates to a new and improved lifting-jack of the portable kind, such are used for raising the axles of wheel-vehicles for the purpose of lubricating the arms thereof, and for similar purposes. The invention consists in the employment or use of a lever fitted in a suitable frame, and connected with a bail which is attached to the frame, all being arranged in such a manner that the lever may be reversed in position in the frame and varied in height, so as to suit either the front or back axles of a vehicle, and the device rendered capable of being manipulated with the greatest facility.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the base of the implement or device which may be constructed of wood, and has two uprights, B B, attached to it, one at each side, with a space, a, between them.

C represents a lever, which may also be constructed of wood, and is fitted on a horizontal bolt, b, the latter passing through the upper parts of the uprights B B. The lever C has an oblong slot, c, made longitudinally in it; and D is a bail, constructed of a metal rod of a suitable thickness, bent in loop form, and having its lower ends fitted in the uprights B B so that they may turn therein, the upper part of the bail passing through the slot c in the lever C. The slot c is notched at its outer end, as shown at d, and these notches receive the upper end of the bail D, and cause the latter to hold or retain the le-

ver when the weight or load is upon it. The bolt d passes through the lever C near one edge or side of it, as shown clearly in Fig. 1, and by releasing the bail D from the notch d, in which it is fitted, the lever may be turned to either side of the frame, as will be seen by referring to Fig. 1, in which the lever is shown in one position in tint and in the other position in red outline. This reversing of the lever C admits of its being placed at two different heights, one to suit the front, and the other to suit the back, axle of a vehicle, said variation in height being due to the bolt b passing through the lever at one side of the center of its width, as will be fully understood by referring to Fig. 1. The bolt b should pass through the lever C, near one end of it, so as to obtain a long arm, e, which will give a suitable leverage or purchase in raising the load or weight. The height of the short arm f of the lever, on which the load or weight rests, may be varied a trifle in height, so as to elevate the load or weight more or less by adjusting the upper end of the bail D in different notches d.

This jack may be constructed at a very moderate cost, and it is extremely simple and durable, answering all the ordinary purposes of the more expensive and pretentious lever-jacks designed for similar work.

I would remark that the uprights B B may have a series of holes made in them in a vertical line to admit of the lever-bolt b and bail D being adjusted higher or lower in the frame to vary the height of the lever C.

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

The lever C, provided with oblong slots c, having notches d at its outer end, in combination with the bail D and a suitable frame in which the lever C is fitted, all arranged to operate substantially in the manner, as and for the purpose herein set forth.

EBENEZER YOUNG.

Witnesses:

JOB YOUNG,
GEORGE DIVINE.