(No Model.)

H. H. BROWN.

LIFTING JACK.

No. 305,421. Patented Sept. 23. 1884.

Fig. 1.

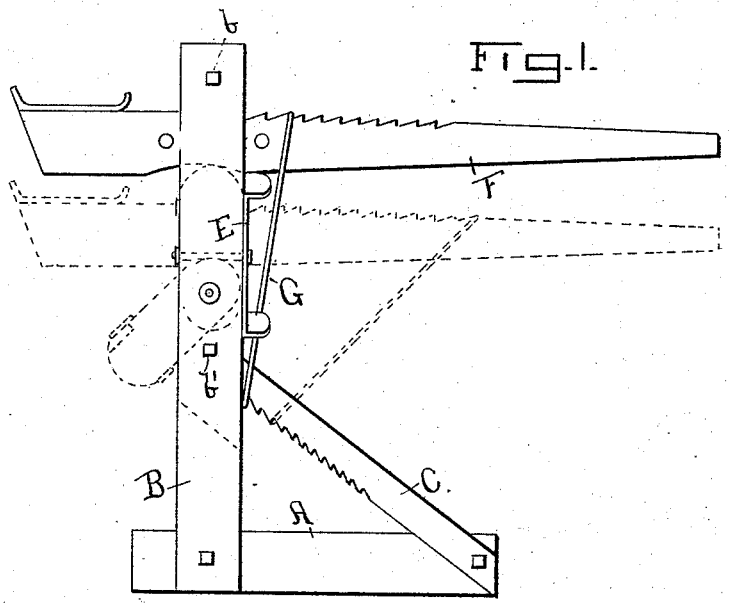


Fig. 2.

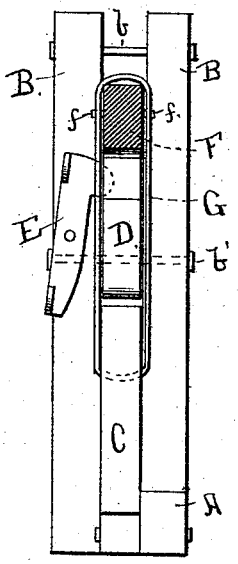
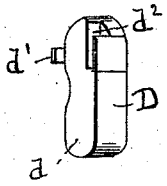


Fig 3



WITNESSES:

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UNITED STATES PATENT OFFICE.

HARRISON H. BROWN, OF LADOGA, WISCONSIN.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 305,421, dated September 23, 1884.

Application filed May 22, 1884. (No model.)

To all whom it may concern:

Be it known that I, HARRISON H. BROWN, a citizen of the United States, residing at Ladoga, in the county of Fond du Lac and State of Wisconsin, have invented certain new and useful Improvements in Lifting-Jacks; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to lifting-jacks, and has for its object convenient means whereby the elevation or height of the lever may be varied as desired. To this end it consists in the novel parts constructed, combined, and arranged substantially as hereinafter more fully described and claimed.

In the drawings, Figure 1 is a side elevation, and Fig. 2 a rear view, of my jack, the lever in the latter figure being broken away in section; and Fig. 3 is a detail perspective view of the pivoted button, all of which will be described.

The supporting or main frame of my jack is composed of the base A, the standard composed of uprights B B, and the strut-brace C, all bolted together and arranged as will be understood from Figs. 1 and 2. A bolt, *b*, is extended between the uprights B, near the top thereof, and a bolt, *b'*, extends between them about midway of their ends.

The button or changeable bearing-piece D is rounded on its opposite ends, and is journaled or pivoted at *d*, near one end, on the bolt *b'*. The opposite end of the bearing-button is provided on one (the front) side with lateral stops or flanges *d'*, and on its opposite side with a recess or notch, d^2, fitted to receive the point of the latch E. This latch E is pivoted on the rear side of one of the uprights B, and is adapted at one end to engage the notch d^2 and hold the button in the position shown in full lines, Figs. 1 and 2. While I prefer to form the button with a notch, d^2, and to secure the latch to the standard in position to engage and hold the button, it is manifest that the form and location of the latch may be altered in various ways. For instance, the latch might consist of a bar pivoted centrally on the back of the button, so that when the latter is turned up the arms of the bar may be turned out in rear of the uprights of the standard; but, as stated, I prefer the construction shown and before described, because of its simplicity, ease of operation, and security, as will be appreciated.

The lever F is passed between the uprights of the standard, and is provided with lateral studs *f*, extended in front and rear of said uprights, so as to hold said lever from longitudinal movement through between the uprights, and yet permit its vertical adjustment and turning on its bearings in the operation of the device. The rear end of the lever serves as a handle, and its forward end is suitably formed to hold the vehicle-axle or other object desired to be elevated. The upper side of the handle of the lever is preferably serrated or otherwise suitably formed to hold the bail G passed around the lever and strut-brace, for the purpose of holding the lever at any suitable inclination desired. The strut-brace C, it will be noticed, is also serrated, so that by adjusting the bail into engagement with suitable serrations it will serve to hold the lever at the desired inclination when the pivot thereof is high or low, as shown.

In operation, when it is desired to raise an axle or other object arranged near the ground, the latch is released and the pivot-button turned down, the lever being lowered to rest and bear on the lower upturned end of said button, as shown in dotted lines, Fig. 1. When desired to raise a higher object, the button is turned up and latched at the position shown in full lines, Figs. 1 and 2.

While I prefer to form the framing as shown, it is obvious the same may be modified without departing from the broad principles as hereinbefore set forth.

The notch d^2 in the button or fulcrum-block D could be extended entirely across the face of the block, and a metallic plate could be secured on the face of the said block, and the point of the latch E could be lengthened to extend to and rest on the face of the other post B. This would give a stronger fastening, and the point of the latch would not be liable

to be bent back by a heavy pressure on the lifting-lever F.

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

1. A lifting-jack consisting of a supporting or main frame, a lever, a pivoted button adapted at its opposite ends to serve as a bearing for the lever, and a latch, substantially as set forth.

2. The combination, with the standard and the lever, of the button adapted at both ends to serve as a bearing-support for the lever, and pivoted near one end to the standard, and the latch supported on the standard in position to be moved into engagement with the button, substantially as set forth.

3. The combination of the standard provided with a vertically-changeable bearing-support, the lever journaled thereon, and provided with a series of serrations, the strut-brace provided with a series of serrations, and the loop or bail passed around the lever and strut-brace and movable along both of said parts, substantially as set forth.

4. The lifting-jack, substantially as herein described, consisting of the standard, the button pivoted thereto, and adapted at its opposite ends to serve as bearing-supports for the lever, the latch, the lever provided with serrations, the serrated strut-brace, and the bail passed around the lever and brace and movable along both of same, substantially as and for the purposes set forth.

In testimony whereof I affix my signature in presence of two witnesses.

HARRISON H. BROWN.

Witnesses:
N. C. GIFFIN,
CHAS. F. BABCOCK.