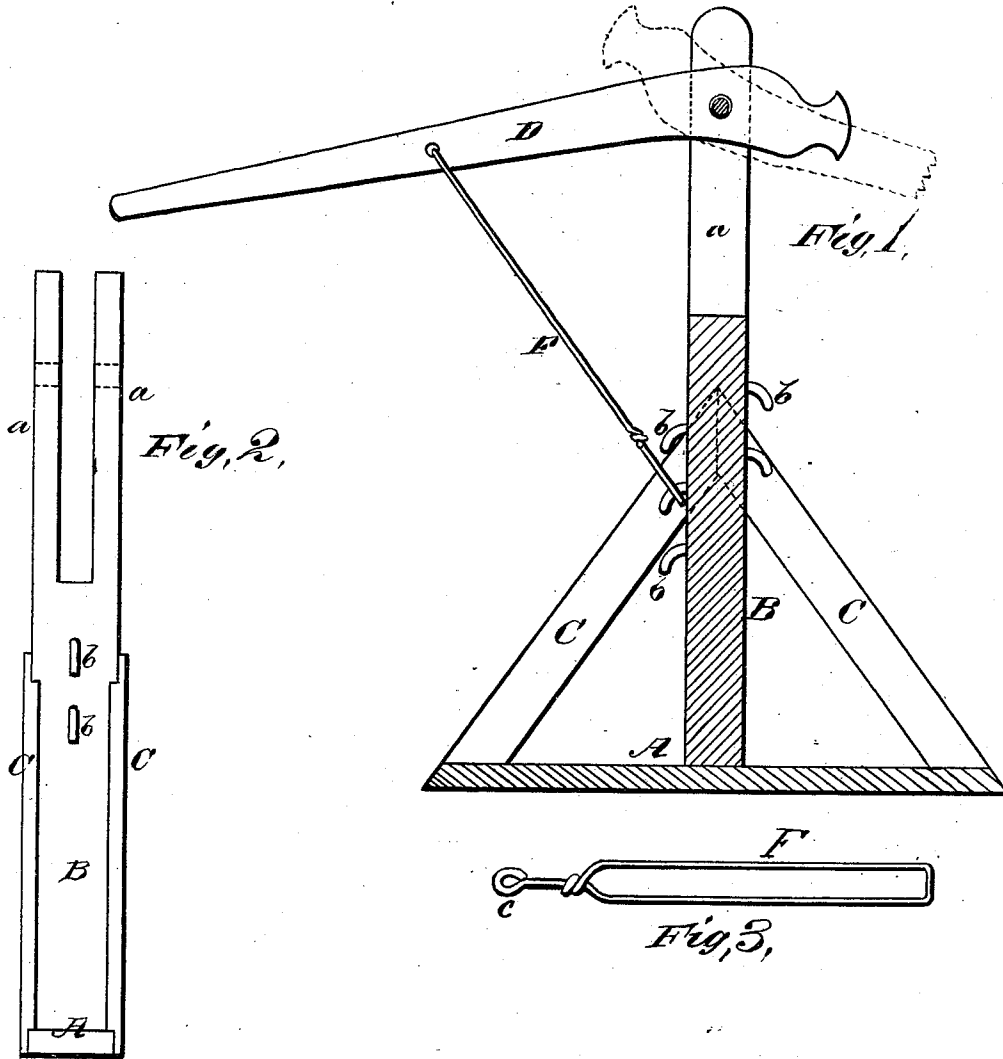


F. A. BOUGHNER.

WAGON JACK.

No. 188,335.

Patented March 13, 1877



WITNESSES
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UNITED STATES PATENT OFFICE.

FRANCIS A. BOUGHNER, OF MUSCATINE, IOWA, ASSIGNOR OF ONE-HALF
HIS RIGHT TO LEWIS COE, OF SAME PLACE.

IMPROVEMENT IN WAGON-JACKS.

Specification forming part of Letters Patent No. **188,335**, dated March 13, 1877; application filed
November 18, 1876.

To all whom it may concern:

Be it known that I, FRANCIS A. BOUGHNER, of Muscatine, in the county of Muscatine and State of Iowa, have invented a new and valuable Improvement in Wagon-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 drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my wagon-jack, part sectional. Fig. 2 is a front view of the standard, and Fig. 3 is a plan view of the reversible link.

This invention relates to certain new and useful improvements in wagon-jacks; and it consists in the novel construction of the standard and base in combination with a peculiar-shaped lever and fastening-link.

On the annexed drawings, A represents a broad base, to which is secured standard B and braces C C for said standard. The standard B is slotted at its upper end, so as to allow the head of the lever D to pass through, and it is provided with downward-bent hooks *b b*. The lever D is pivoted or bolted to the standard B between the two uprights *a a*, and is provided with a peculiar shaped head, as shown by Fig. 1 of the annexed drawings, and is also provided with a reversible link, F, which passes through the handle of said lever. The link can be turned over the handle of the lever for the purpose of reversing, as will be hereinafter more fully set forth.

The link F is made of one piece of metal, and forms a loop and a catching device, *c*, as shown by Fig. 3 of the annexed drawings.

By a wagon-jack of this construction vehicles having axles of different heights may be raised by reversing the lever and link without changing the pivot on which the lever works.

The operation of a wagon-jack, constructed as described, is as follows: The wagon-jack is placed nearly under the axle of the vehicle; the lever is then raised up so as to receive the

axle in a groove or recess in the head of the lever; the handle is then pressed downward and the vehicle is raised, and the link is then secured to one of the hooks.

In lifting a vehicle having a higher axle it may be necessary to reverse the lever-head. In this case the lever is turned over the standard, and the link is passed over the handle, when, by the peculiar shape of the head of the lever, a higher axle may be lifted.

To loosen the link it is only necessary to press the lever downward, and the eye *c* will become disengaged from the downward-bent hooks *b*.

It may be necessary in lifting all wagons to reverse the lever, as the front axle is generally lower than the hind one.

In a wagon-jack of this construction all the parts are secured to each other, and there is no danger of any parts being lost.

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

1. In a wagon-jack the slotted standard B, provided with downward-bent hook *b*, brace C C, and brace A, substantially as described, and for the purpose set forth.

2. In a wagon-jack the slotted standard B, braces C C, and base A, in combination with lever D and link F, substantially as described, and for the purpose set forth.

3. In a wagon-jack, having standard B and lever D, the link F, made of one piece, and constructed to operate substantially as described.

4. In a wagon-jack the slotted standard B, made in one piece, and provided with base A, braces C C, and hooks *b*, in combination with lever D, having link F attached thereto, said link and lever operating substantially as described, 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.

F. A. BOUGHNER.

Witnesses:

P. A. BRUMFIELD,
D. S. EWING.