

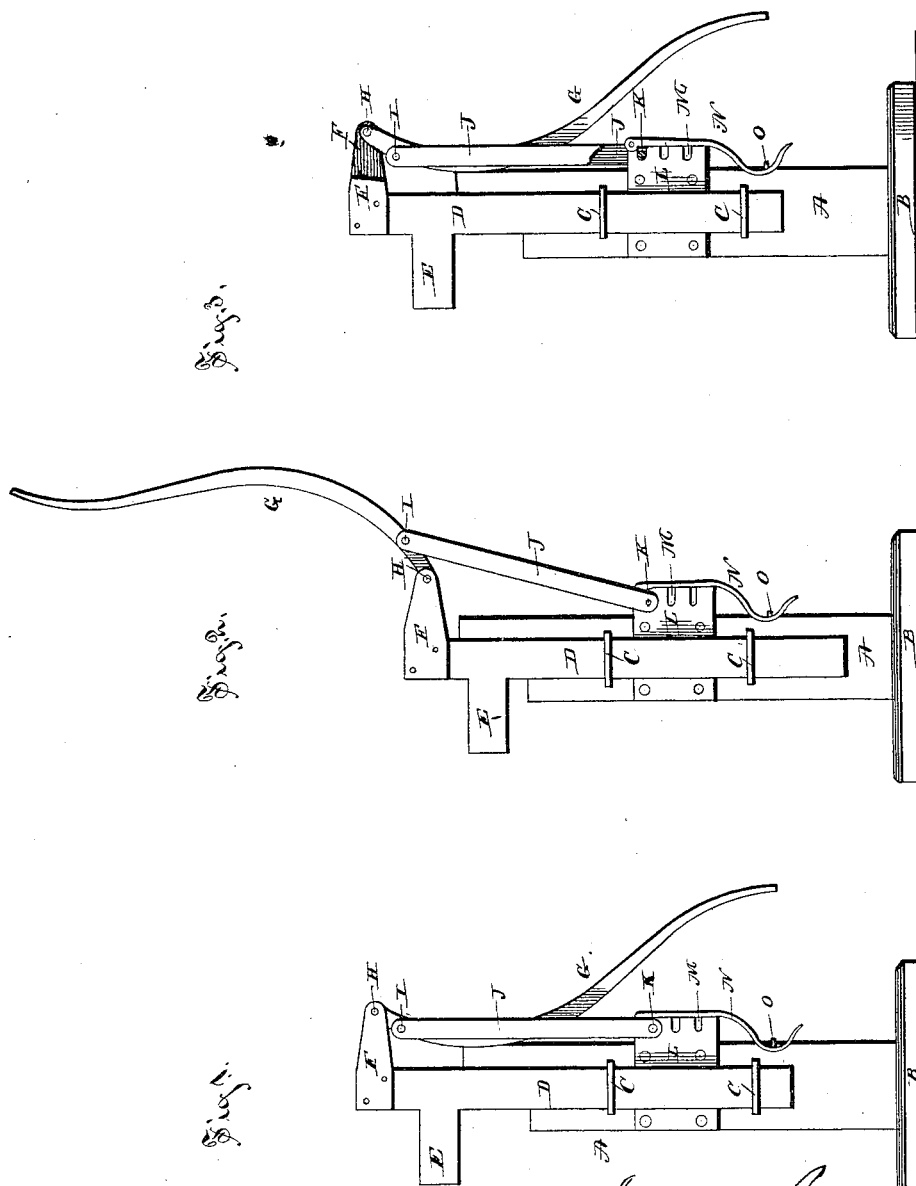
(No Model.)

A. SOUDERS.

LIFTING JACK.

No. 348,480.

Patented Aug. 31, 1886.



WITNESSES
F. L. Oursaud
H. S. Jones

Adison Souders
INVENTOR

by Louis P. Pappas
Attorney

UNITED STATES PATENT OFFICE.

ADDISON SOUDERS, OF GREENTOWN, OHIO.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 348,480, dated August 31, 1886.

Application filed May 8, 1886. Serial No. 201,567. (No model.)

To all whom it may concern:

Be it known that I, ADDISON SOUDERS, a citizen of the United States, and a resident of Greentown, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Wagon-Jacks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view of my improved wagon-jack, showing it raised. Fig. 2 is similar view showing it lowered, and Fig. 3 is a side view showing portions broken away.

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

My invention has relation to that class of wagon-jacks in which a bar having a rest for the axle has the end of a lever pivoted to it, the said lever having its fulcrum upon the upper ends of arms pivoted at their lower ends to the standard; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the standard, which is provided with a suitable base, B, and which is provided at one side with guide bails or staples C C, in which the lifting-bar D slides. This bar is provided at its upper end with a forwardly-projecting rest, E, upon which the axle of the vehicle may rest, and with two rearwardly-projecting lips, F, having transverse perforations in their ends. The inner end of a curved lever, G, is pivoted upon a bolt, H, passing through the perforations of the lever, and this lever is fulcrumed near the inner end upon a bolt, I, passing through the upper ends of two arms, J, connected at their lower ends by means of a bolt, K. A plate, L, is secured to the side of the standard, and projects with its rear edge beyond the rear edge of the standard, and has notches M in the said edge, of sufficient depth to receive the bolt connecting the ends of the arms supporting the lever. A

latch-lever, N, is pivoted at its upper end to the upper end of the rear edge of the notched plate, and bears against the said notched edge, covering the notches, and the lower end of this latch-lever is curved, and may engage a bolt, O, upon the side of the standard, the lever serving to keep the bolt connecting the arms within the notch in which it has been placed. When the lifting-bar is lowered, the curved lever is tilted upward and the arms swing outward, and when the outer end of the lever is depressed the lifting-bar will be raised and the arms will swing inward until the fulcrum of the lever is forward of the point of attachment for the inner end of the lever, so that the weight upon the lever will force the free end of the lever forward, causing it to bear against the rear side of the standard.

The lifting-bar may be raised or lowered to suit the different heights of vehicle axles by adjusting the pin of the fulcrum-arms in a higher or lower notch, and the said bolt may be prevented from slipping out of the notch, after it has been adjusted in the same, by the latch-lever, which may be locked down against the edge of the plate, closing all the notches.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In a lifting-jack, the combination of a standard having vertical guides, a lifting-bar having a suitable rest and sliding in the guides, and having rearwardly-projecting lips, two arms pivoted at their lower ends to the rear edge of the standard, and a curved lever having its inner end pivoted between the lips of the lifting-bar, and having its fulcrum near the inner end between the upper ends of the arms, as and for the purpose shown and set forth.

2. In a lifting-jack, the combination of a standard having suitable vertical guides upon its side, and having a rearwardly-projecting plate or flange formed with a series of horizontal notches, a bar sliding in the guides and having a forwardly-projecting rest and rearwardly-projecting lips at the upper end, two arms having their lower ends connected by a bolt, and having the said bolt resting in one of the notches, a curved lever having its inner

end pivoted between the lips of the bar, and
having its fulcrum near the inner end between
the upper ends of the arms, and a latch-lever
pivoted at the upper end of the notched edge
5 and having its straight portion closing the
notches, and its lower end secured by a stud,
as and for the purpose shown and set forth.

In testimony that I claim the foregoing as
my own I have hereunto affixed my signature
in presence of two witnesses.

ADDISON SOUDERS.

Witnesses:

LEONARD RABER,
J. W. RABER.