(No Model.)

A. T. GOODLOE.

LIFTING JACK.

No. 301,881. Patented July 15, 1884.

Fig. 1.

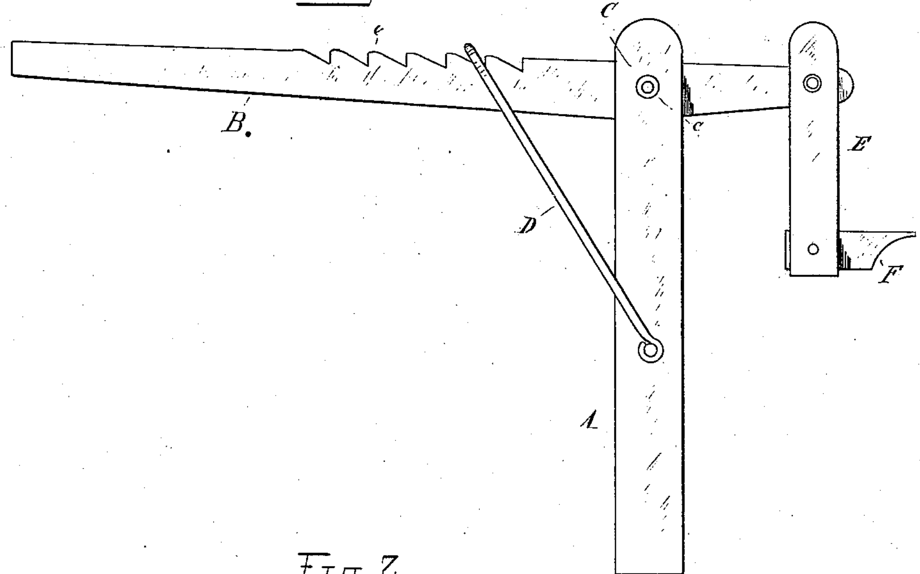

Fig. 2.

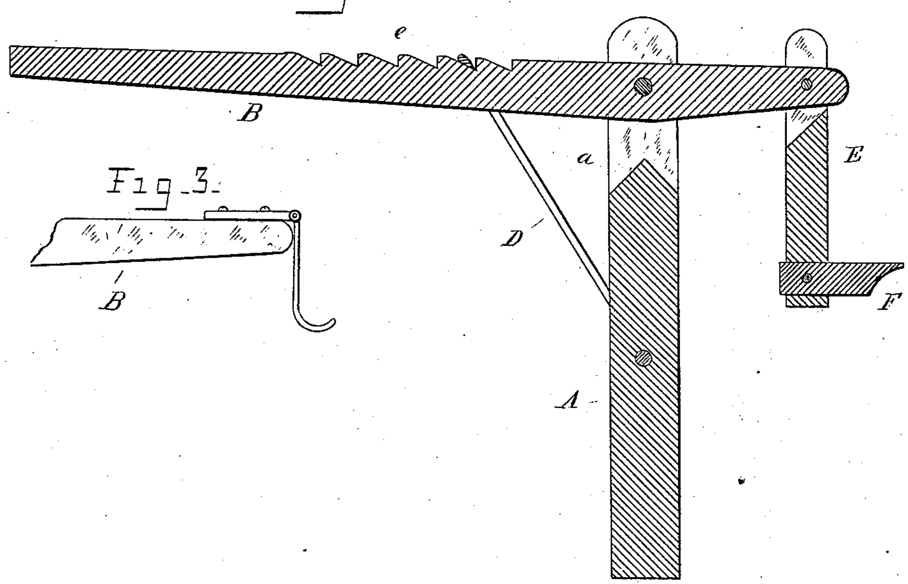

Fig. 3.

WITNESSES

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ALBERT THEODORE GOODLOE, OF WEST HARPETH, TENNESSEE.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 301,881, dated July 15, 1884.

Application filed May 20, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALBERT T. GOODLOE, a citizen of the United States, residing at West Harpeth, in the county of Williamson and State of Tennessee, have invented a new and useful Lifting-Jack, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to lifting-jacks; and it has for its object to provide a device of this character which shall be capable of lifting a very heavy load with but a minimum expenditure of power, and, further, to provide a device of this character which shall be cheap and simple in its construction and effective and durable in its use.

With these ends in view the invention consists in the improved construction and combinations of parts hereinafter fully described, and pointed out in the claim.

In the drawings, Figure 1 is a side view of a lifting-jack constructed in accordance with my invention. Fig. 2 is a vertical section of the same; and Fig. 3 is a view in side elevation of a modified form of bracket for holding the axle, the said bracket being secured to the end of the lifting-lever.

In the accompanying drawings, in which like letters refer to corresponding parts in the several figures, A represents an upright or standard, which may, if desired, be supported on any suitable base. This upright or standard A is recessed or divided at its upper end, such divided portion being beveled or cut off in an inclined direction, both in a forward and rearward direction, as shown at *a*, to allow of the lowering of the lifting-lever to its fullest extent, without interfering or coming in contact with the standard A. This might be accomplished, however, by making the recessed portion larger or deeper; but it will be obvious that in this case the strength of the supporting-standard would be unnecessarily impaired.

Between the sides of the divided portion of the standard A, and near the upper end thereof, is pivoted, near its forward end, a lever, B, by means of a transverse bolt, C, between the heads of which and the sides of the standard A are interposed washers *c*. Upon the upper side of this lever B is provided a series of notches, *e*, which are inclined or cut in a rearward direction—that is, toward the free end of the said lever.

D represents a bail or loop, which is pivoted to the sides of the standard A a short distance from its lower end. Said loop or bail is swung up over the lever B and engages any one of the series of notches thereon, when the same is operated to lift the axle of a vehicle, and, as before mentioned, the notches being cut in an inclined direction rearwardly, all possibility of the slipping or detachment of the bail or loop therefrom is obviated, and an effective means for holding the lifting-lever in an elevated position provided.

Upon the forward or short arm of the lever is pivoted a rod, E, the ends of which are divided, as shown, to inclose the end of said lever. To the lower end of this rod E is secured, in any suitable manner—preferably, however, by mortising—an arm, F, which forms a seat for the axle of the vehicle when the same is to be lifted for any purpose whatever.

In Fig. 3 I have shown a modification, in which case the depending rod E is dispensed with, or, more properly, a bracket is provided consisting of two parts hinged together at their ends, one of said parts or sections being secured to the upper side of the lifting-lever, while the other part is bent at its lower end to form an angle, as shown.

It will be seen from the above description that by the use of my invention a vehicle may be readily and quickly raised from the ground with but little exertion, and that its construction is simple and durable. Further, by the use of my improved jack, all liability of the wagon to move forward or backward when the same is lifted, and the consequent detachment or disengagement of the same, is prevented.

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

In a lifting-jack, the combination, with a suitable supporting-standard recessed or cut away at its upper end, said recessed portion being inclined or beveled, as shown at *a*, of a

lever pivoted between said divided portion, said lever carrying a hinged bracket at its forward end, and being provided with a series of notches on its upper side, and a bail or loop pivoted to the upright or standard and adapted to engage the same, substantially as set forth.

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

ALBERT THEODORE GOODLOE.

Witnesses:

WM. H. CROUCH,

SOL FERGUSON.