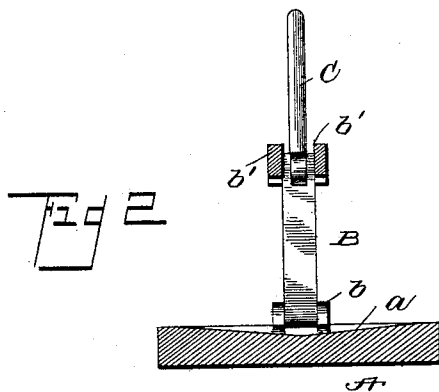
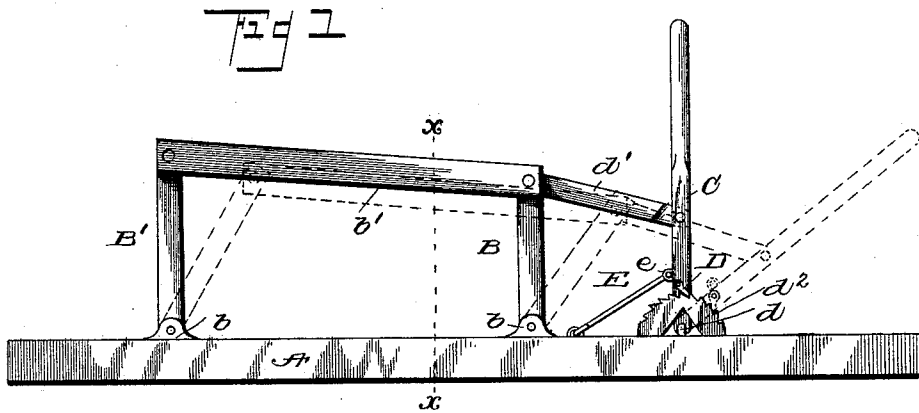


(No Model.)

H. YORK & F. W. AUSTIN.
LIFTING JACK.

No. 480,646.

Patented Aug. 9, 1892.



Witnesses

John D. Amie
Wm. S. Hodges

Inventors

Henry York
Frederick W. Austin
By *their Attorney*
John W. McArthur

UNITED STATES PATENT OFFICE.

HENRY YORK AND FREDRICK W. AUSTIN, OF COLTON, CALIFORNIA.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 480,646, dated August 9, 1892.

Application filed May 3, 1892. Serial No. 431,700. (No model.)

To all whom it may concern:

Be it known that we, HENRY YORK and FREDRICK W. AUSTIN, of Colton, in the county of San Bernardino and State of California, have invented certain new and useful Improvements in Lifting-Jacks; and we do hereby 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.

This invention relates to a new and improved lifting-jack, having reference more particularly to that class of jacks employed for raising wagons or other vehicles bodily from the ground while being oiled or cleaned.

The invention comprises a lifting-jack having two posts of dissimilar length connected together at their upper ends and constituting a movable frame and a lever connected with said frame and having means for holding it rigid at any point.

The invention further comprises a wagon-lifting jack having a lower base-board inclined or hollowed out toward its center, a pivoted frame mounted on said base-board, a lever for raising and lowering said frame, and means for rigidly holding said lever, substantially as hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in side elevation of our improved lifting-jack. Fig. 2 is a transverse sectional view thereof on the line *x x*.

Referring to the drawings, A designates the base-board, which is hollowed out at its center, forming a gutter or longitudinal recessed portion *a*.

B B' designate two posts pivotally mounted at their lower ends between ears or brackets *b*, rigidly secured to the upper surface of base-board A. The post B' is slightly longer than the inner post B. These posts B B' are connected together at their upper ends by parallel cross-bars *b' b'*, the whole constituting a frame pivotally mounted upon the base-board.

C is a lever fulcrumed at its lower end, as at *d*, on base-board A, and to this lever is pivotally connected one end of a pitman *d'*, the other end of which is pivotally mounted in the upper slotted end of post B. To one side of lever C is attached a pawl D, which is designed to engage with a curved ratchet plate or frame *d''*, secured to base-board A. A hook E, pivotally connected to the base-board at a point near post B, is designed to engage a staple *e* of lever C, when the latter is moved forward to its fullest extent in holding the frame at its highest point. The frame is lowered by disengaging the pawl from the ratchet-plate and pressing the lever C downward.

In practice the lifting-jack is placed beneath the wagon, carriage, or other vehicle to be raised for the purpose of oiling or washing the same, in such manner that the cross-bars *b'* will extend beneath both axles. The operator by grasping lever C and elevating the same into an approximately-perpendicular position will cause the frame to elevate or lift the wagon or other vehicle bodily from the ground. The lever C is held at every point against falling backward by the pawl and ratchet-plate and is additionally secured by the hook E. In washing the elevated vehicle the water falling on the base-board will run into the gutter thereof, and thus prevent the annoyance consequent upon washing vehicles as now observed.

The advantages of our invention are apparent, and it will be especially observed that a lifting-jack thus constructed is extremely simple and inexpensive, and being composed of but few parts is not liable to readily get out of order, and the operation thereof is readily and easily accomplished.

We claim as our invention—

1. The herein-described improved lifting-jack, comprising the base-board, the posts pivotally secured thereto at their lower ends and having upper parallel connecting cross-bars, the pitman, the lever for raising and lowering said posts, and having a pawl, a

ratchet-plate engaged by said pawl, and means for holding said lever stationary, as set forth.

2. The herein-described improved lifting-jack, comprising the base-board, the posts
5 pivotally secured thereto, the inclined cross-bars connected to said posts, the operating-lever connected to said posts, a pawl, and an eye or staple, the ratchet-plate engaged by
10 said pawl, and the pivoted hook designed to engage said eye or staple, substantially as set forth.

In testimony whereof we have each signed

this specification in the presence of two subscribing witnesses.

HENRY YORK.

FREDRICK W. AUSTIN.

Witnesses to signature of Henry York:

JOHN BENNETT HANNA,

REUBEN HENRY FRANKLIN.

Witnesses to signature of Fredrick W. Austin:

JAMES LIEURANCE,

JACOB E. GOMPTOR.