A. W. Field,

Lifting Jack.

No. 47,408. Patented Apr. 25, 1865.

Fig. 1.

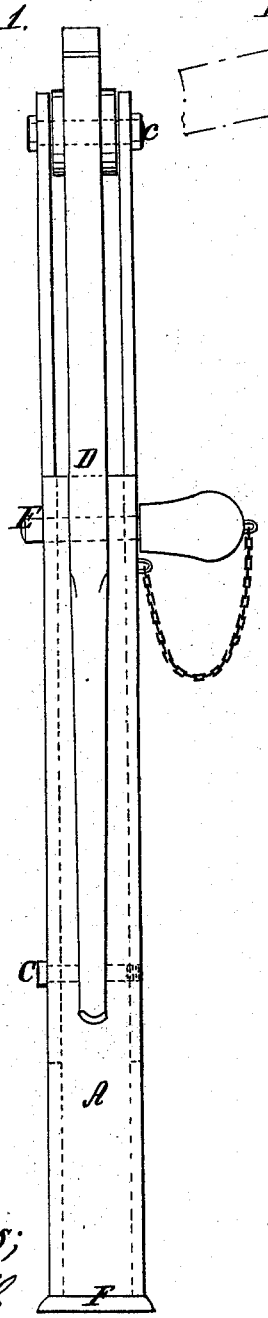
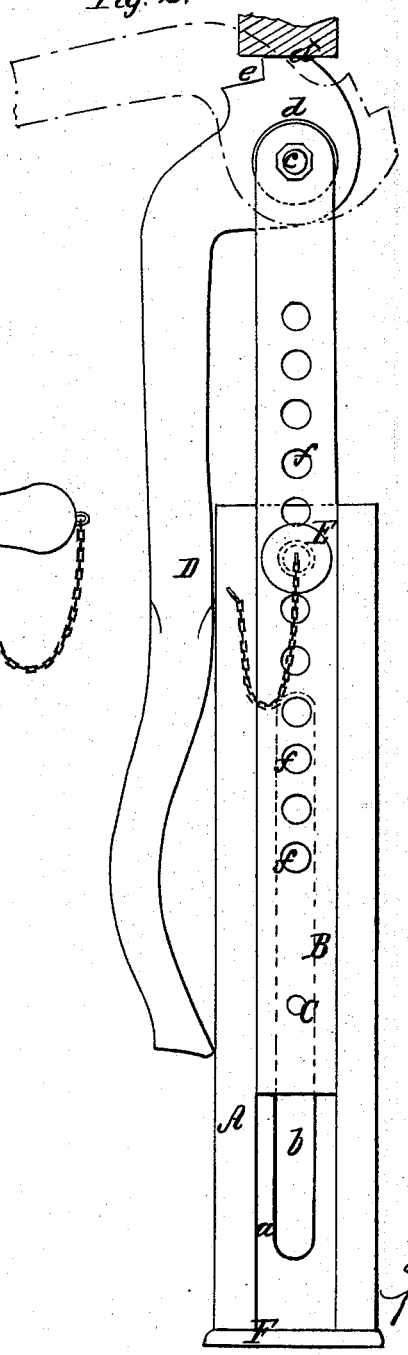


Fig. 2.



Witnesses;
Wm Dean Overall
Thos Tusch

Inventor;
A. W. Field
per Munn & Co
Attorneys

UNITED STATES PATENT OFFICE.

AUSTIN W. FIELD, OF VERGENNES, VERMONT.

IMPROVEMENT IN CARRIAGE-JACKS.

Specification forming part of Letters Patent No. **47,408**, dated April 25, 1865.

To all whom it may concern:

Be it known that I, AUSTIN W. FIELD, of Vergennes, in the county of Addison and State of Vermont, have invented a new and Improved Carriage-Jack; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an edge view of my invention; Fig. 2, a side view of the same.

Similar letters of reference indicate corresponding parts.

This invention consists in the employment or use of two parallel slides fitted in a suitable stock or standard and having a lever placed between their upper ends, all being arranged in such a manner that the device may be readily applied to axles of any height and the latter elevated and secured in such position with the greatest facility, to enable the wheels to clear the ground or floor, so that they may be removed from and replaced on the axle for lubricating purposes.

A represents a stock or standard, which may be constructed of a solid piece of wood of any proper dimensions, and having a groove, *a*, made in two opposite sides of it to receive metal sliding bars B B, which are allowed to work freely in the grooves and are connected or held in position near their lower ends by a screw, C, which passes through a vertical slot, *b*, made in the stock or standard and extending nearly the whole length of the same, (see Fig. 2,) in which a greater portion of the slot is shown by dotted lines.

D represents a lever, which is fitted on a fulcrum-rod, *c*, passing through the upper parts of the sliding bars B B. The portion of this lever which encompasses or is immediately around the fulcrum-rod *c* is made wider or larger than the other portion, being nearly of circular form, as shown at *d* in Fig. 2, and this portion *d* is curved down from the other portion and is provided with a notch, *e*, to form a lip or bearing-surface for the axle to bear or rest upon.

The sliding bars B B are perforated with holes *f*, at a suitable distance apart, and a hole of the same size is made through the stock or standard to admit of a pin, E, passing through the holes in B and through the stock or standard. By this means the bars B B may be raised and supported at different heights.

The stock or standard A is provided with a metal base or foot, F, secured to it by screws or bolts.

The implement is used as follows: The foot or base F should be placed as near under the axle to be raised as may be convenient, and the sliding bars B B are raised so that their tops will be a short distance above the under side or bottom of the axle, the bars being then secured in position by the pin E. The lip of the notch is then adjusted under the axle and the outer part of said lever depressed, which causes the axle to be raised, the latter resting on the flat or plane portion $a^{\times}$ of the lever directly over its fulcrum-rod *c*, while the larger arm of the same bears against the stock or standard, as shown clearly in Fig. 2.

The superiority of this invention consists in the great purchase the lever has, its lightness and compactness, together with its simplicity, the speed and facility with which it may be operated, the convenience with which it may be carried by peddlers and others who are constantly on the road with wagons, its durability, and the low price at which it may be afforded.

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

The stock or standard A, perforated sliding bars B B, and lever D, in connection with the pin E, all arranged substantially as shown and described, to form a new and improved carriage-jack.

AUSTIN W. FIELD.

Witnesses:

JOHN E. ROBERTS,

GEO. C. CHASE.