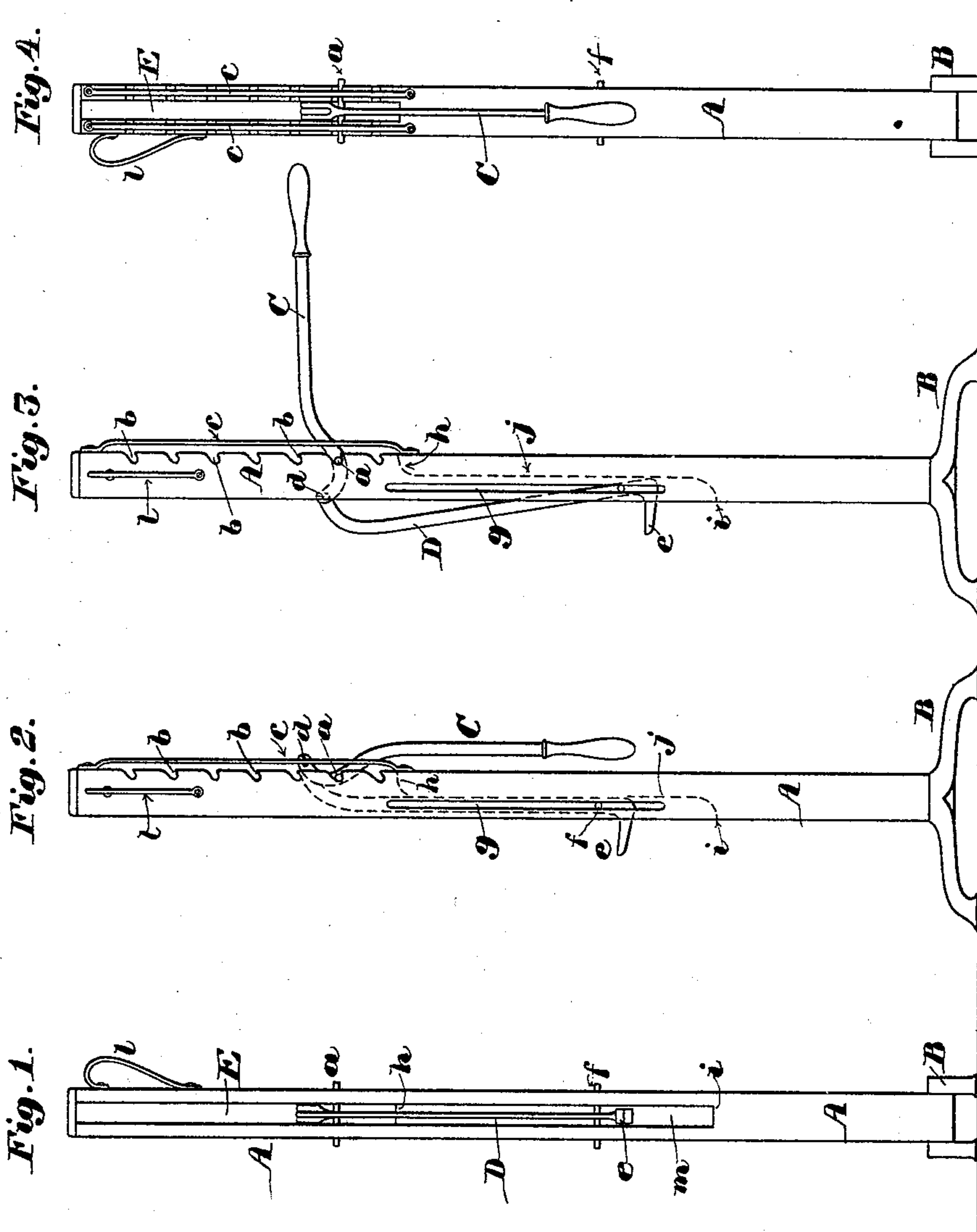


(No Model.)

B. F. LEWIS.  
LIFTING JACK.

No. 517,465.

Patented Apr. 3, 1894.



**Witnesses:**  
*L. W. Holmes*  
*Edward L. Triney.*

**Inventor:**  
*Benjamin F. Lewis*  
*per J. M. Porter Atty*

# UNITED STATES PATENT OFFICE.

BENJAMIN F. LEWIS, OF AMESBURY, MASSACHUSETTS.

## LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 517,465, dated April 3, 1894.

Application filed November 6, 1893. Serial No. 490,116. (No model.)

*To all whom it may concern:*

Be it known that I, BENJAMIN F. LEWIS, of Amesbury, in the county of Essex and State of Massachusetts, have invented a new and useful Improvement in Carriage-Jacks, which will, in connection with the accompanying drawings, be hereinafter fully described, and specifically defined in the appended claim.

In said drawings, Figure 1 represents my improved jack in elevation, and as viewed from the left in Fig. 2. Fig. 2 represents the jack shown in Fig. 1, but as viewed from the right in Fig. 1. Fig. 3 is like Fig. 2, except that the movable parts are shown as when the handle is raised to a horizontal position. Fig. 4 is a view the reverse of Fig. 1, or as viewed from the right in Fig. 2.

The object of my invention is to produce a lifting jack that shall be effective for use upon vehicles, that is simple in construction, durable in use, and that can be made and sold at low cost to all concerned; and the invention consists of the respective parts and the combination thereof as will be next explained and then specified in the claim.

Referring again to said drawings, A represents a standard having a suitable base B, to which it is secured. A handle is shown at C, which is pivoted at *d* to bar D, as shown. Through the top portion of standard A is formed a slot E, in which lever C works; and below said slot from *h* to *i* is a groove *m* in which bar D moves. The pivot pin *a* of lever C rests in seats *b* formed in standard A, and can be arranged in any of said notches by reason of the guide rods *c* secured to the standard so that said pin *a* can pass freely up and down

when removed from seat *b*. Said rod D is formed with a right-angled foot *e* that catches beneath the axle to be raised; and said rod is at its lower end held in position by means of pin *f* inserted in said bar, and which passes through slots *g* formed through standard A, so that the top end of rod D can vibrate as lever C is raised and lowered, but at its lower end it is guided by the pin *f* as above stated. At the top of standard A, is secured the handle *l* by which to lift and move the jack.

In use, the operator will, by means of handle *l* place the jack close to the axle and he will then take hold of handle C by one hand and raise it and its pin *a* to such notch *b* that foot *e* is just below the axle that is to be raised; and when said pin *a* is so seated in *b* he will depress the handle and raise the axle. The form of lever C is such that when it is depressed the pivot *d* is in rear of pivot *a* so that said lever holds the load suspended till the lever is again raised.

I claim as my invention—

The combination in a jack, of a standard duly supported, and formed with slot E, groove *m*, slots *g* and seats *b*, the rod D provided with foot *e*, and pin *f* arranged to move up and down in slots *g*; lever C provided with pivot pin *a* arranged to enter said seats *b*, and guide rods *c* secured to standard A, to allow pin *a* to pass up and down when being adjusted; all substantially as specified.

BENJAMIN F. LEWIS.

Witnesses:

T. W. PORTER,  
L. W. HOWES.