

(No Model.)

J. H. FISKE.

LIFTING JACK.

No. 273,050.

Patented Feb. 27, 1883.

Fig. 1.

Fig. 2.

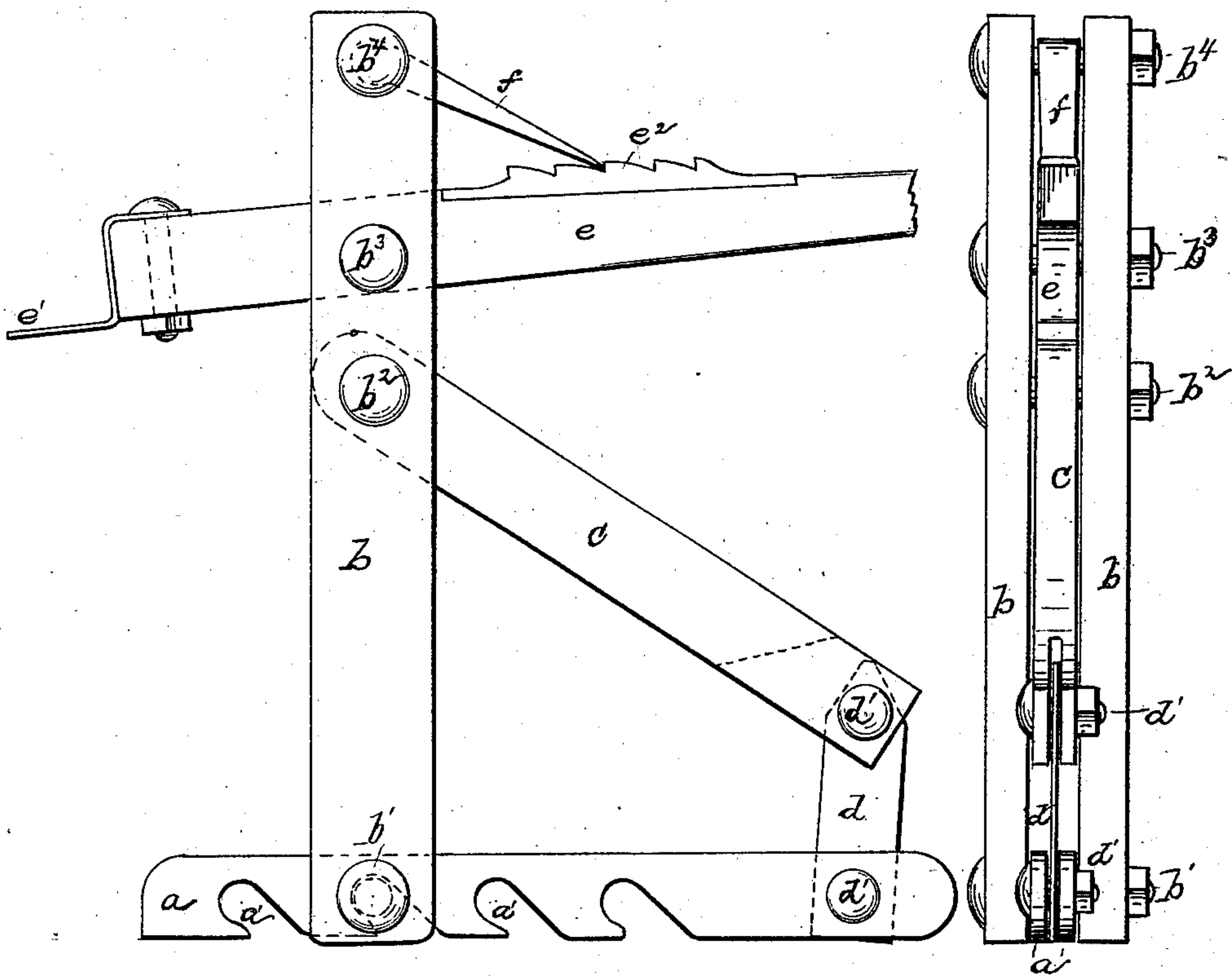
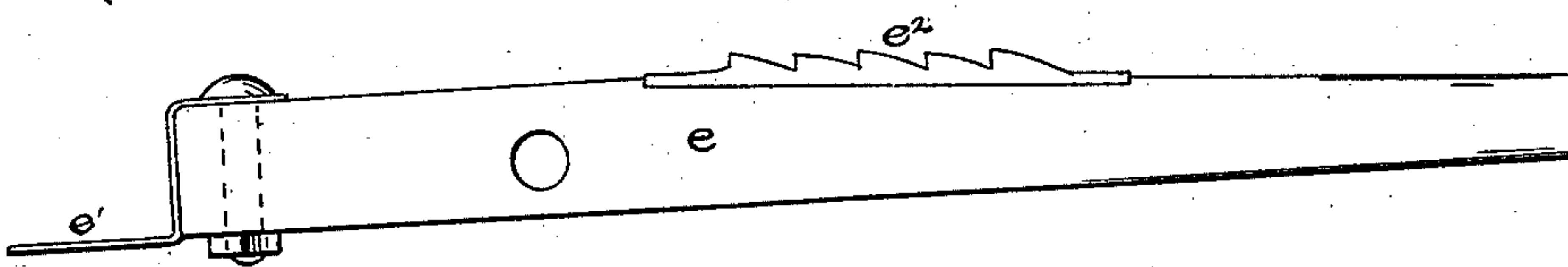


Fig. 3.



Witnesses.
H. J. Osgood
C. Brinley

Inventor.
Jeremiah H. Fiske
by Howard A. Snow
Atty

UNITED STATES PATENT OFFICE.

JEREMIAH H. FISKE, OF MEDWAY, MAINE.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 273,050, dated February 27, 1883.

Application filed December 22, 1882. (No model.)

To all whom it may concern:

Be it known that I, JEREMIAH H. FISKE, a citizen of the United States, residing at Medway, in the county of Penobscot and State of Maine, have invented certain new and useful Improvements in Lifting-Jacks, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention has relation to improvements in lifting-jacks; and it consists in the construction, combination, and arrangement of the several parts, as will be hereinafter fully described, and specifically pointed out in the claims.

Figure 1 is a side elevation of my jack; Fig. 2, a rear end elevation, and Fig. 3 a detail view of the lever.

a is the base-bar. It is provided on its wider edge with a series of notches, *a'*, which are inclined from front to rear, as shown. I have shown the bar as provided with but four of these notches; but it will be understood that any number desired could be made.

b is the standard, which is composed of two beams connected by the bolts *b'* *b*² *b*³ *b*⁴, and held apart by the base-bar and lever hereinafter described. The bolt *b'* is arranged distant from the lower end of the standard *b* about equal the height of the notches *a'*, so that when the said bolt is placed within the said notches the base-bar and end of standard rest against the ground.

c is the brace-bar, having one of its ends pivoted on the bolt *b*², between the two beams of the standard, and its opposite end is connected with the rear end of the base-bar *a* by the metallic plate or strap *d*, which is pivotally secured to the ends of each of the bars *a* *c* by bolts *d'*, as shown.

e is the lever, pivoted between the beams of the standard on bolts *b*³. Its short arm is provided with the stirrup *e'*, and its long arm is provided on its upper edge with a rack-bar, *e*², the teeth of which are engaged by the point of pawl *f*, which is pivoted at one end on bolt *b*⁴.

I prefer to construct the standard of two beams, and to pivot the pawl, lever, and brace-bar therebetween, as I thus secure strength and a more compact arrangement of the parts. It will be understood, however, that by bifurcating the lower end of the standard, to

provide side bars for the bolt *b'*, the device could be constructed with the brace-bar, lever, and pawl pivoted to the side of the standard.

In the operation of my jack the bolt *b'* is shifted into the notches *a'*, near the rear or forward ends of the base-bar *a*, according as the vehicle-axle or height to which it is desired to be raised is high or low.

In full lines I have shown the bolt *b'* arranged in the notch third from the forward end of bar *a*, and in dotted lines the bolt is shown in the first notch, and it will be seen that the load can be raised much higher in the former than in the latter arrangement.

My device is simple and strong, and when not in use can be folded up into a small space and stood up in a corner, or be otherwise placed out of the way.

The strain is all forcing the bolt *b'* forward. Therefore, the notches being inclined rearward, the bolt *b'* is prevented from being forced out of the notch in which it is placed.

The strap *d* forms a convenient coupling between the bars *a* *c* and facilitates the folding of the jack into a small space.

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

1. In a lifting-jack, the combination, substantially as described, of the base-bar provided on its under side with notches, the standard composed of two beams, a bolt connecting the lower ends of the beams and arranged to enter notches in the base-beam, the lever, the pawl, and a suitable brace-bar, as set forth.

2. The lifting-jack, substantially as described and shown, consisting of the base-bar provided on its under edge with a series of notches, *a'*, the standard composed of two beams, and provided with bolt *b'*, the lever *e*, provided with a rack, *e*², pawl *f*, brace-bar *c*, pivoted between the beams of the standard, and the connecting-strap *d*, as and for the purposes specified.

In testimony whereof I affix my signature in presence of two witnesses.

JEREMIAH H. FISKE.

Witnesses:

J. F. TWITCHELL,
BENJ. N. FISKE.