

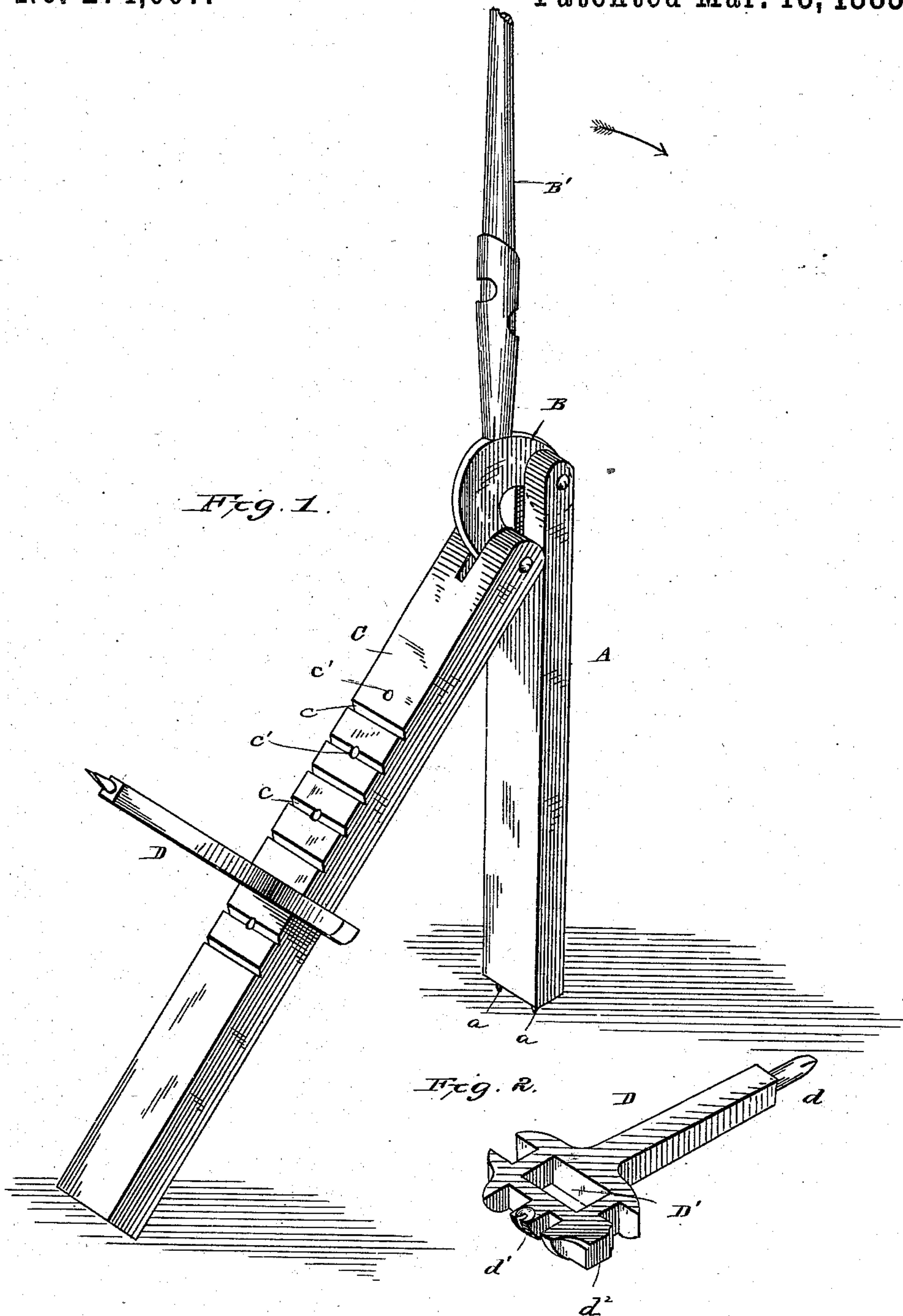
(Model.)

I. L. LANDIS.

LIFTING JACK.

No. 274,007.

Patented Mar. 13, 1883.



Witnesses.

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UNITED STATES PATENT OFFICE.

ISRAEL L. LANDIS, OF LANCASTER, PENNSYLVANIA.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 274,007, dated March 13, 1883.

Application filed January 26, 1883. (Model.)

To all whom it may concern:

Be it known that I, ISRAEL L. LANDIS, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, 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.

This invention relates to certain improvements in lifting-jacks, and is designed to be principally used for raising and supporting vehicle-axles during the operation of removing the wheels therefrom and applying oil to the journals; and it consists of the employment of a suitable fulcrum-standard, an operating-lever, a supporting-beam, and a sliding or adjusting rest; and it further consists in so constructing said rest that it may be useful as a combination-tool, the peculiarities of which will be hereinafter more fully pointed out.

In the accompanying drawings, forming a part of this specification, and on which like letters of reference indicate corresponding parts, Figure 1 represents a perspective view of my improved lifting jack, and Fig. 2 a like view of the combined rest and tool detached.

The letter A indicates a fulcrum standard or upright, the same being provided at its lower end with protruding metallic spurs or teeth *a*, which serve to prevent the standard from slipping. The upper end of said standard is slotted or bifurcated, and has pivoted within the slot or bifurcation one arm of the cam-lever B. A hollow sleeve extends from said cam-lever and has fitted within it a suitable hand-lever, B'. To the other end of the cam-lever B is pivoted one extremity of the supporting-beam C, said beam being slotted similarly to the standard A for this purpose. Along the upper side of the supporting-beam C, and at suitable distances apart, are a series of transverse kerfs or notches, *c*, for a purpose to be hereinafter named. Said beam is also provided with a series of apertures, *c'*, for a like purpose to the notches.

The letter D indicates the rest, against which sets the object being elevated, and the same consists of a malleable-iron bar having a tenon, *d*, formed on one end, the point of

which is reduced to a sharp edge, thereby constituting a screw-driver. The point of this device I intend case-hardening, in order to make it stand usage. The opposite end of said bar is spread laterally and provided with a rectangular opening, D', slightly larger than the cross-section of the beam C, within which it is adapted to fit. At each side, and at the end of said rectangular opening are formed notches constituting each a different-sized nut-wrench. One of the lugs forming two sides of the notches is vertically slotted and provided with a concave recess. This constitutes a nail-extractor, *d'*, the end of said lug being beveled off at an angle, in order to form a sharp corner, which is thrust under the head of the nail by embedding the body of the lug into the wood surrounding the same. Another of these lugs, *d''*, forms a hammer. The rest D, in order to suit the different heights of vehicle-axles, is adjusted up or down on the beam C, the lower corner of the upper side of the rectangular opening catching in one of the corners *c*, and the opposite corner of the opposite side of the said opening binding on the under side of the beam, thus serving to hold the rest at the desired point. In some instances I intend to reverse the position of the rest and insert the tenon *d* into the apertures *c'* for the purpose of regulating the height of the rest.

The operation of my invention will be readily understood when taken in connection with the foregoing, and is as follows: The device being placed in the position shown in Fig. 1 of the drawings, and the rest being adjusted on the supporting-beam the proper height, the hand-lever B' is lowered in the direction of the arrow and the supporting-beam thereby elevated, catching the axle in the crotch of the said beam and the rest.

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

1. In a lifting-jack, the combination, with a vertical standard having spurs at one end and the cam-lever fulcrum at the other, of a supporting-beam provided with transverse kerfs and the adjustable rest, substantially as shown and described.

2. In a lifting-jack, the combination, with a vertical standard and a cam-lever, of a pivoted supporting-beam and adjustable rest.

3. In a lifting-jack, the combination, with the
5 supporting-beam having a series of apertures, of a rest provided with a tenon adapted to fit said apertures, whereby the rest may be

adjusted at different heights, substantially as described.

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

Witnesses: ISRAEL L. LANDIS.

CHAS. D. DAVIS,

WM. D. ALEXANDER.