V. H. FELT.
Lifting-Jack.

No. 204,960 Patented June 18, 1878.

Fig: 1.

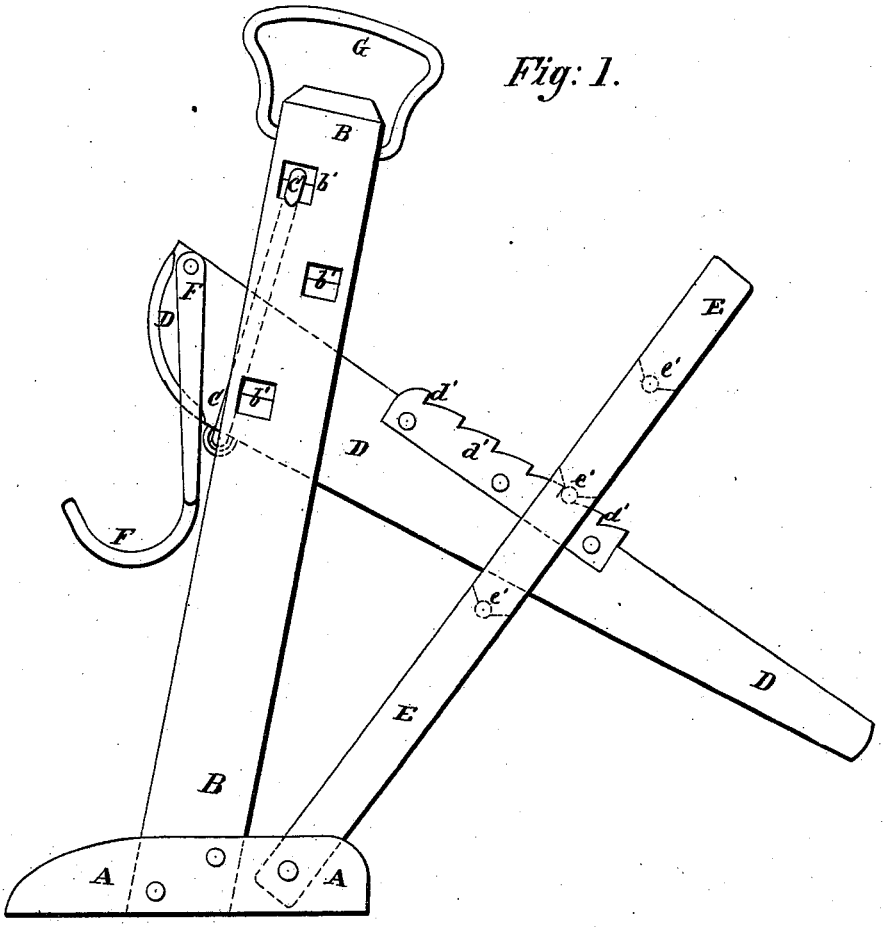
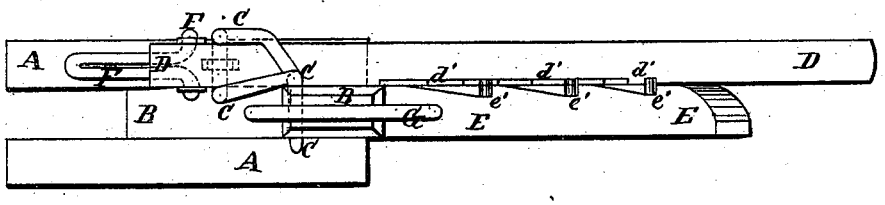


Fig: 2



WITNESSES:

Achilles Schehl.

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INVENTOR:

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UNITED STATES PATENT OFFICE.

VANDERLYN H. FELT, OF KENDALL, NEW YORK.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. **204,960**, dated June 18, 1878; application filed May 9, 1878.

To all whom it may concern:

Be it known that I, VANDERLYN HOWARD FELT, of Kendall, in the county of Orleans and State of New York, have invented a new and useful Improvement in Lifting-Jacks, of which the following is a specification:

Figure 1 is a side view of my improved lifting-jack. Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved jack for raising the axles of wagons to allow them to be oiled, for raising tracks of railroads to ballast and level them, for raising fences to place blocks beneath them, and for other similar uses, and which at the same time shall be simple in construction, convenient in use, and reliable in operation.

The invention consists in the construction and combination of parts, which will be hereinafter more fully described, and then set forth in the claim.

A is the base, which consists of two bars or blocks, of such a length and size as to give a suitable support to the machine, and which are bolted or otherwise secured to the opposite sides of the lower end of the standard B.

The standard B is placed in an inclined position, as shown in Fig. 1, so that the point from which the weight is suspended may be directly over the lower end of the said standard.

In the upper part of the standard B are formed a number of holes, *b'*, to receive a hook, C, upon the shank of which is formed a link to receive the lever D. The lever D is secured in place in the link-hook C by a staple passing around the said link, and driven into the lower edge of the said lever, as shown in Fig. 1.

To the side of the upper edge of the lever D is attached, or upon it is formed, a plate or edge having rack-teeth *d'* formed in it to engage with the pin *e'* a shoulder or other stop attached to the side of the bar E. The lower end of the bar E is pivoted to and between the rear ends of the base-blocks A.

By this construction the pivoted bar E holds the lever D securely in place when supporting the load, and by adjusting its position the said load may be supported at a higher or lower point, as may be desired.

The holes *b'* in the standard B enable the link-hook C to be adjusted higher or lower, according to the height of the axle or other object to be raised.

F is a hook, the shank of which is forked, to receive the forward end of the lever D, and the ends of its branches are pivoted to the opposite sides of the said end, as shown in Fig. 1. The hook F adapts the jack to be used for raising the corners of fences to place blocks beneath them, and for raising the tracks of railroads in leveling and ballasting said tracks.

To the upper end of the standard B is attached a handle, G, for convenience in carrying the jack from place to place.

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

The combination of the base A, the inclined standard B, provided with holes *b'*, the hook-link C, the lever D, provided with the rack-teeth *d'*, and the pivoted bar E, provided with the pins or catches *e'*, with each other, substantially as herein shown and described.

VANDERLYN HOWARD FELT.

Witnesses:
L. B. FELT,
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