

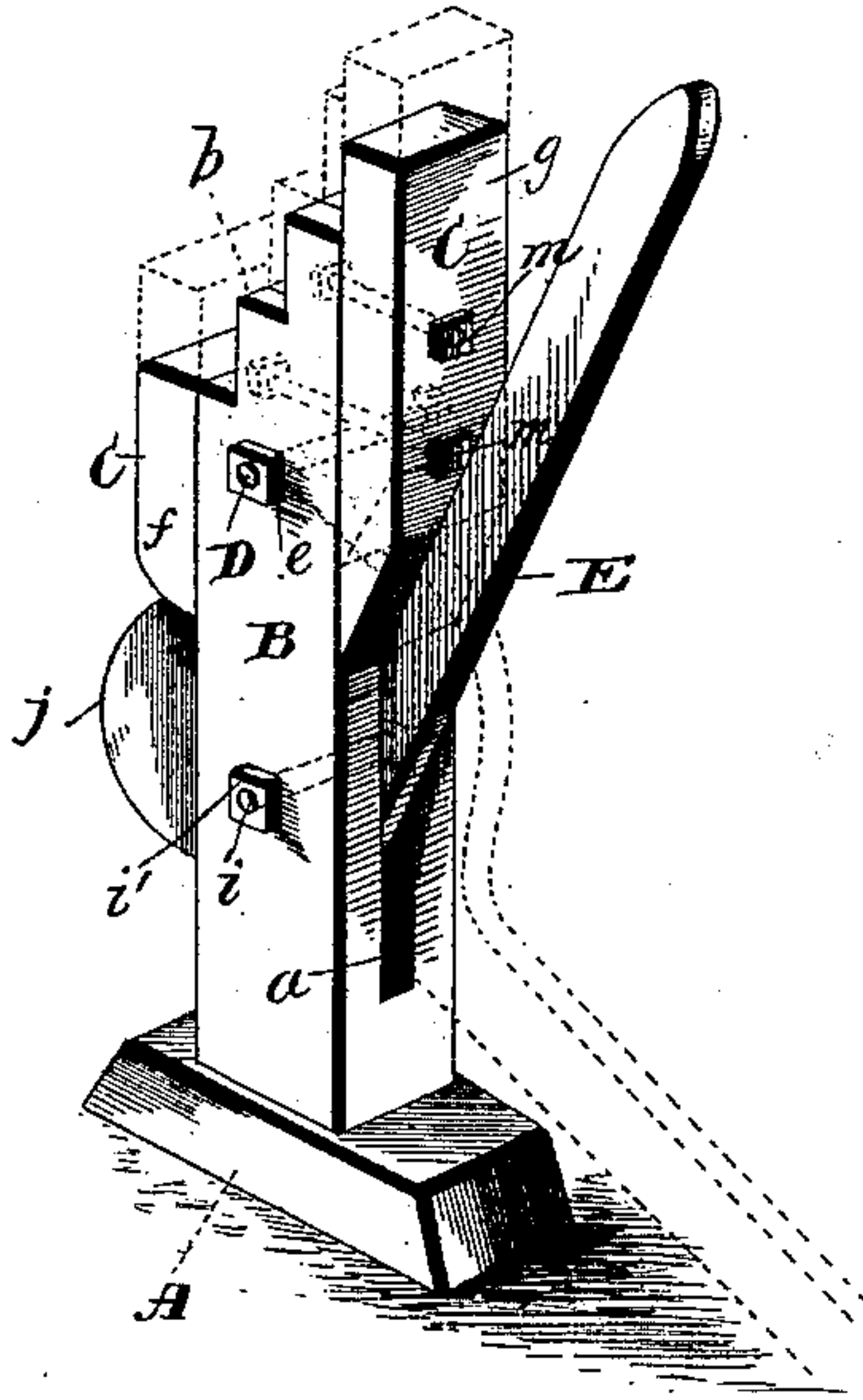
(No Model.)

M. A. STEWART.  
LIFTING JACK.

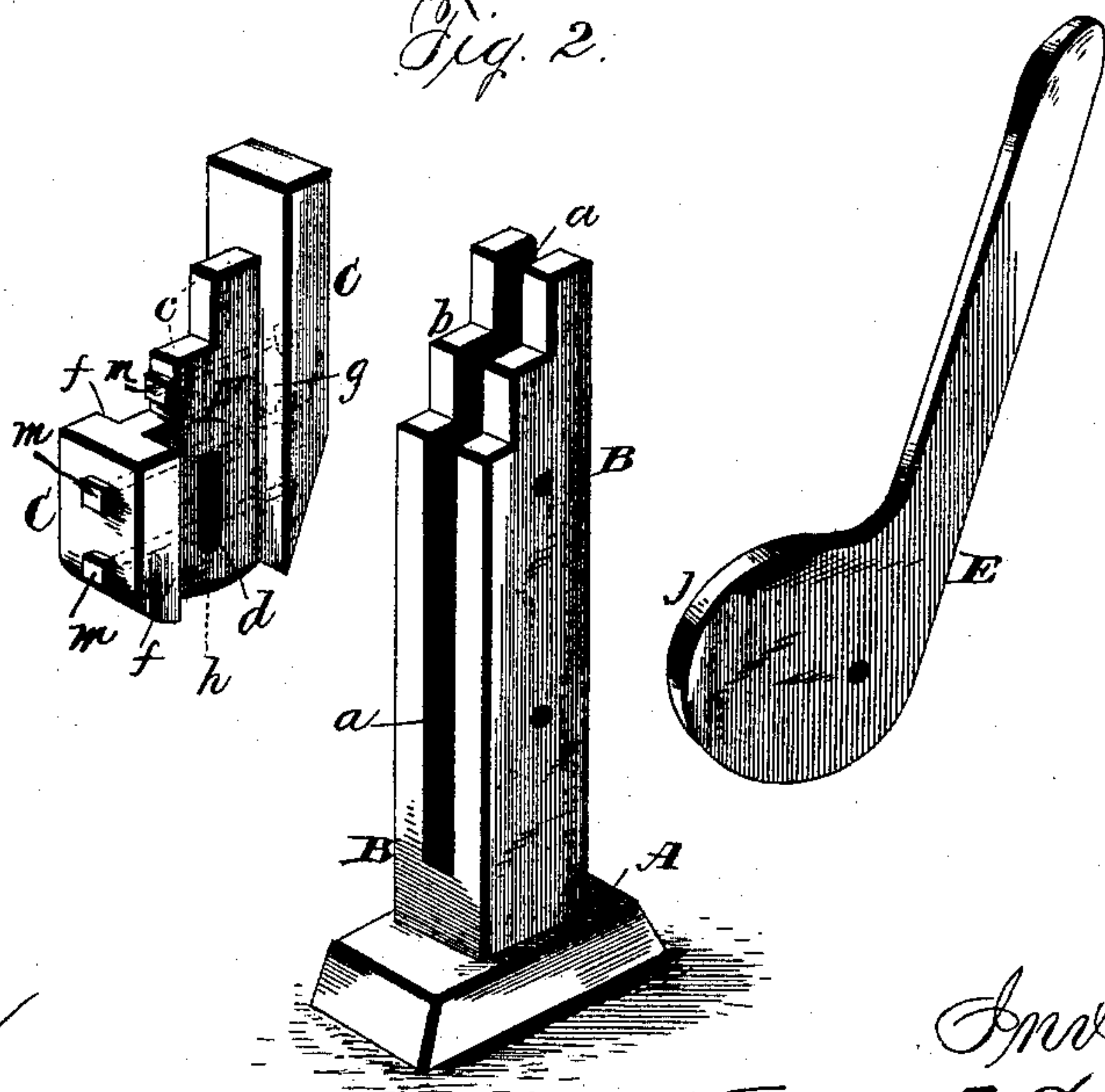
No. 410,995.

Patented Sept. 10, 1889.

*Fig. 1.*



*Fig. 2.*



Witnesses  
Chas. Williamson  
E. H. Bond.

Inventor  
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per Chas. H. Fowler,  
Attorney.



# UNITED STATES PATENT OFFICE.

MAJOR A. STEWART, OF KINGSTON, INDIANA, ASSIGNOR OF ONE-HALF TO  
WILLIAM K. STEWART, OF SAME PLACE.

## LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 410,995, dated September 10, 1889.

Application filed July 8, 1889. Serial No. 316,847. (No model.)

*To all whom it may concern:*

Be it known that I, MAJOR A. STEWART, a citizen of the United States, residing at Kingston, in the county of Decatur and State of Indiana, have invented certain new and useful Improvements in Lifting-Jacks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

This invention relates to certain new and useful improvements in lifting-jacks; and it has for its object to provide a device of this class which shall be simple, strong, and very efficient in use.

The novelty in the present instance resides in the peculiarities of construction and the combinations, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the drawings, and then particularly pointed out in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a perspective view of a lifting-jack embodying my improvements. Fig. 2 is a like view of the parts thereof detached.

Referring now to the details of the drawings by letter, A designates a suitable base from which rises the post or standard B, which is bifurcated vertically to provide the space *a* in which the lifting-lever and block work. The upper ends of the bifurcations of this post are provided with a series of shoulders *b*.

C is the lifting-block, formed with the shoulders *c*, which are formed upon the upper end of the central portion or web F of the block, which web is provided with a longitudinal slot *d*, through which passes loosely the transverse screw-threaded bolt or rod D, which passes through the bifurcations of the post, and is provided upon one end with a nut *e*, by means of which it is retained in place, and which provides for the ready separation of the parts when occasion may require. This block is formed with the front and rear guide-pieces *f* and *g*, which embrace opposite sides of the post and serve to guide the block and prevent sidewise movement thereof. The bottom edge of the web of the

block is slightly convexed, as shown at *h*, so that the bearing of the cam-face of the operating-lever shall be gradual thereon, so that it will more readily and quickly and easily elevate the block as it is moved for that purpose. The front guide-piece also has its bottom convexed, as shown, to prevent any sharp corners against which the lever might come in contact, and in this way prevents wear. The lower end of the rear guide-piece extends at an angle of about forty-five degrees, as shown, for a purpose hereinafter set forth.

E is the operating-lever, fulcrumed on the transverse pin or bolt *i*, provided with nut *i'*, and having a cam-face *j*, as shown. The inner face of the handle of the lever, where it joins the cam, extends therefrom at such an angle that as the parts are in the position shown in full lines in Fig. 1 the inclined lower face of the rear guide-piece is coincident therewith, and serves to cover the slot and prevent dirt from getting in and on the cam-face of the lever. The cam-face serves as an automatic lock to hold the parts in any and all of their adjusted positions.

In order to strengthen the lifting-block C, I employ the bolts or rods *m*, which are passed through the same from the rear to the front guide-pieces. In practice this construction has proved to form a very strong block.

What I claim as new is—

The lifting-jack described, consisting of the base, the slotted standard supported thereon, the operating-lever fulcrumed on said standard, the inner face of the handle of the lever at its junction with the cam extending at substantially a right angle, as shown, and the lifting-block free to move vertically in the slot of the standard and formed with central web having convexed lower face and with rear and front guide-pieces, the lower edge of the front one being convexed and the lower edge of the rear one inclined upward, substantially as herein shown and described, and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

MAJOR A. STEWART.

Witnesses:

ALMON S. CREATH,  
GEORGE H. DUNN.