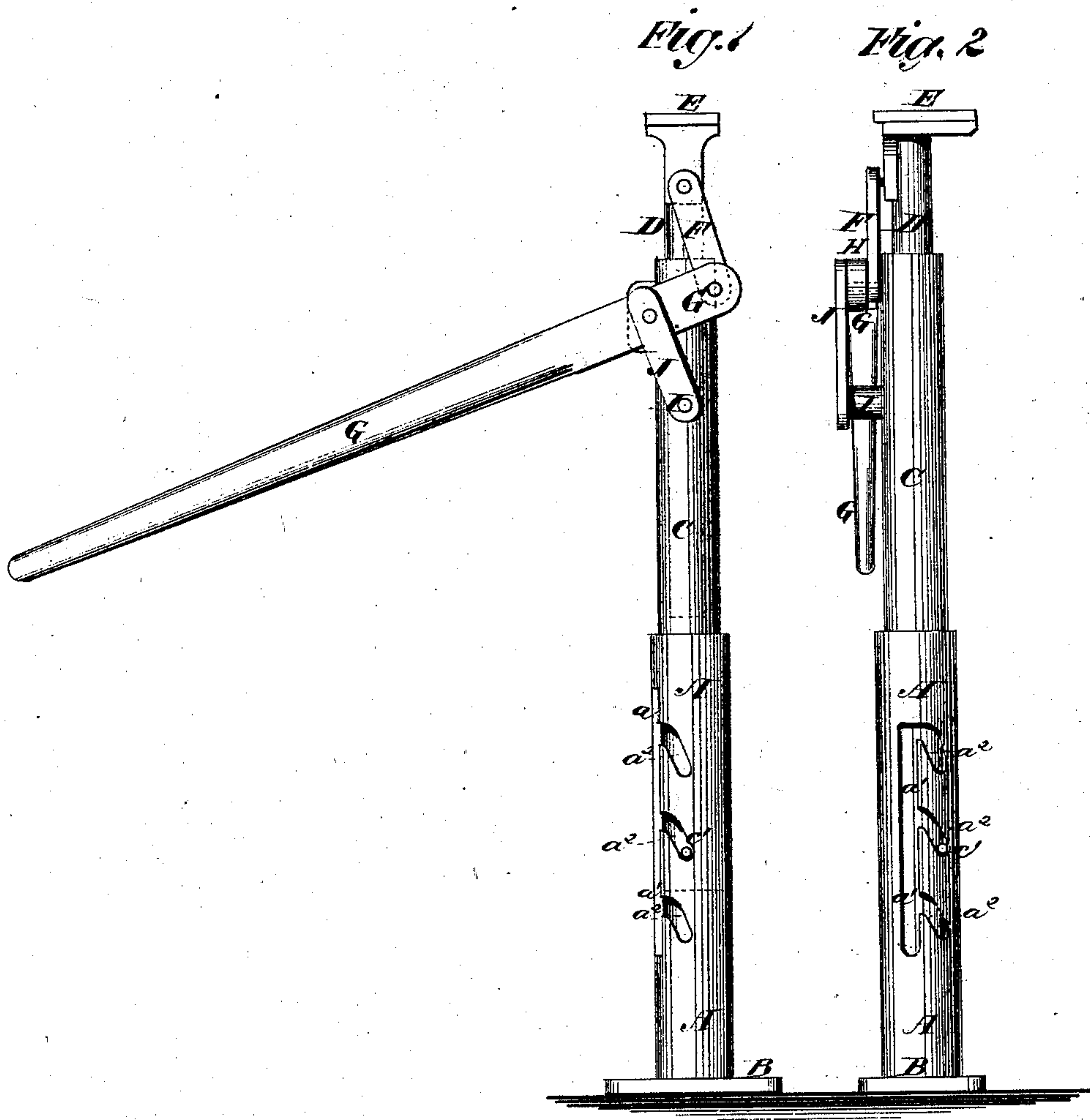


J. B. FAYETTE & L. MEEKER.

Lifting-Jack.

No. 165,485.

Patented July 13, 1875.



WITNESSES:

Francis McAdams.

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UNITED STATES PATENT OFFICE.

JOHN B. FAYETTE AND LORENZO MEEKER, OF OSWEGO, NEW YORK.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. 165,485, dated July 13, 1875; application filed June 26, 1875.

To all whom it may concern:

Be it known that we, JOHN B. FAYETTE and LORENZO MEEKER, of Oswego, Oswego county, New York, have invented a new and Improved Lifting-Jack, of which the following is a specification:

Figure 1 is a side view of our improved lifting-jack, and Fig. 2 is a view of the same turned one-quarter around.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved lifting-jack for raising heavy weights short distances, which shall be simple in construction, convenient in use, and which may be readily adjusted to the height of the article to be raised.

The invention consists in the improved lifting-jack formed by the combination of the tube provided with a base, and the vertical and inclined slots, the sliding tube provided with the cross-pin, the sliding rod or tube provided with a head, the pivoted connecting-bar, the lever, and its pivot, stop, and guard, as hereinafter more fully described.

A is the tubular standard, to the lower end of which is attached a base-plate, B, of such a size as to give a firm and stable support to the jack. C is a tube of smaller diameter than the tube A, so that it may fit into and move up and down freely in the said tube A. In the opposite sides of the tube A are formed longitudinal slots a^1 , from which lead, at short distances apart, short inclined slots a^2 , the corresponding slots upon the opposite sides being directly opposite each other. c' is a pin, which passes transversely through the lower part of tube C, and the ends of which project so as to pass through the slots of the tube A, so that by dropping the pin c' into the proper slots a^2 the tube C may be supported at any desired height, the vertical slots a^1 enabling the tube C to be readily raised and lowered. D is a short tube or rod, which fits into and slides up and down in the upper part of the tube C, and which has a head, E, attached to its upper end to receive the object to be raised. To the side of the upper part of the tube or rod

D is pivoted the upper end of a short connecting-rod, F, the lower end of which is pivoted to the end of the lever G. At a little distance from its forward end the lever G is pivoted to a pin, H, attached to the upper part of the tube C, or to a block attached to the said tube C. To the side of the tube C, below the pivoting-pin H, and at such a distance in front of the pin H, that the lower end or handle of the lever G may be swung past a perpendicular, is attached to a stop-pin, I. The outer ends of the pins H I are connected, and the said pins are strengthened by a bar, J, attached to said ends, and which serves also as a guard to cause the lever G to move up and down in the same vertical plane.

By this construction the rod D is lowered by raising the free end of the lever G, and is raised by lowering the free end of the said lever.

In using the jack, the tube or rod D is lowered, and the tube C is adjusted to the proper position in the tube A to bring the head E to the requisite height. The jack is then placed beneath the object to be raised, and the free end of the lever G is lowered till it passes the perpendicular, which raises the object and locks the jack until the lever is again raised to lower the object, or to release the jack after the object raised has been secured in place.

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

An improved lifting-jack, formed by the combination of the tube A, provided with the base B, and the vertical and inclined slots a^1 a^2 , the sliding tube C, provided with the cross-pin c' , the sliding rod or tube D, provided with a head, E, the pivoted connecting-bar F, the lever G, and the pivot, stop, and guard H I J, substantially as herein shown and described.

JOHN B. FAYETTE.
LORENZO MEEKER.

Witnesses:

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