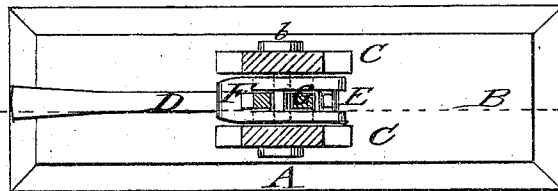
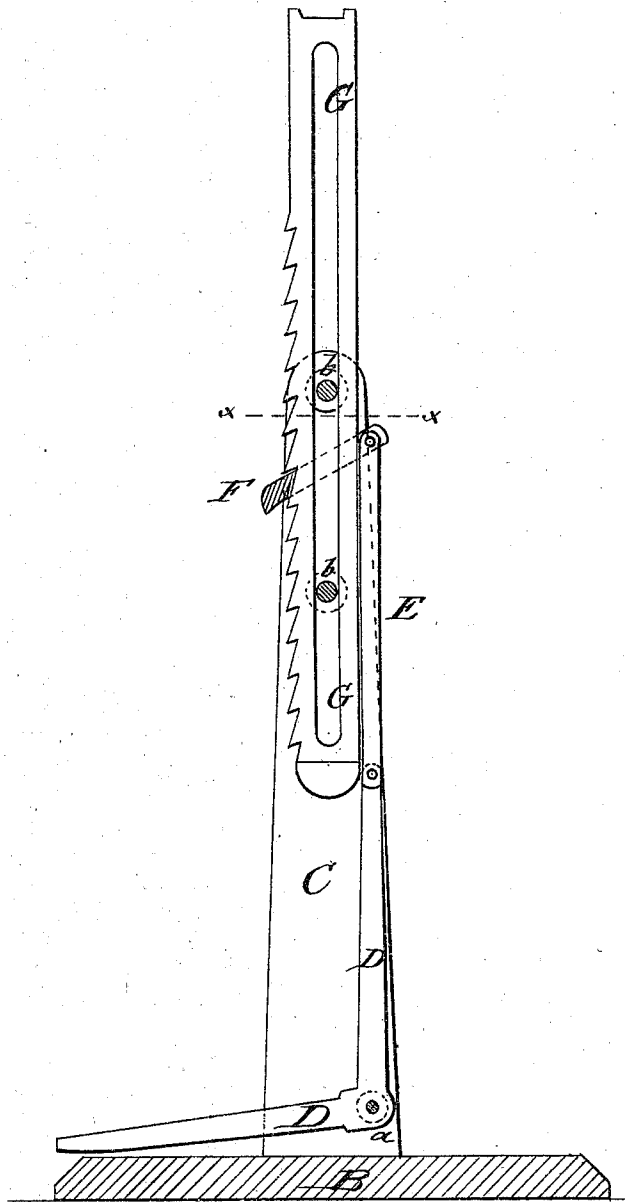


J. H. CHURCHILL.
Hoisting-Jacks.

No. 141,919.

Patented August 19, 1873.

Fig. 1.



Witnesses:

E. Wolff.
Alex. F. Roberts

Fig. 2.

Inventor:

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UNITED STATES PATENT OFFICE.

JOHN H. CHURCHILL, OF CROSS RIVER, NEW YORK.

IMPROVEMENT IN HOISTING-JACKS.

Specification forming part of Letters Patent No. **141,919**, dated August 19, 1873; application filed July 26, 1873.

To all whom it may concern:

Be it known that I, JOHN H. CHURCHILL, of Cross River, in the county of Westchester and State of New York, have invented a new and Improved Hoisting-Jack, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical longitudinal section on the line *c c*, Fig. 2; and Fig. 2, a horizontal section on the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of my invention is to construct a hoisting-jack which is easily operated, effective in action, and readily adjusted to different heights. My invention consists of a bell-crank lever with treadle, which acts by means of an intermediate connecting-rod and weighted link on a sliding rack, guided between a strong frame.

In the drawing, A represents the frame of the jack, consisting of a bottom part, B, and two parallel upright posts or pillars, C, of wood, metal, or other suitable material. The bell-crank lever D is pivoted at *a* to the lower part of pillars C, and provided at its forward projecting arm with a treadle for applying the foot, so as to leave the hands free for adjusting the sliding rack to the objects to be hoisted. The upward-extending arm of lever D is pivoted at its end to the intermediate rod E, which

connects again at its upper end with a weighted link, F, which locks into the teeth of a sliding rack, G. Rack G is guided in longitudinal slot *d* on strong connecting-bolts *b* between the pillars C.

The upper end of rack G is applied in suitable manner to the object, and the rack placed into position by raising the lower arm of lever D and sliding rack G till link F engages it at the required height. By then lowering lever D the rack G is raised by the action of the intermediate rod E and link F. The object hoisted is then held in position by the brace action of lever D and rod E.

The construction of the jack is simple, and may therefore be furnished at comparatively cheap rates.

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

The hoisting-jack consisting of frame A with upright pillars C, in combination with bell-crank lever D, intermediate rod E, weighted link F, and sliding rack G, all arranged and operated substantially as and for the purpose described.

JOHN H. CHURCHILL.

Witnesses:

PAUL GOEPEL,
ALEX. F. ROBERTS.