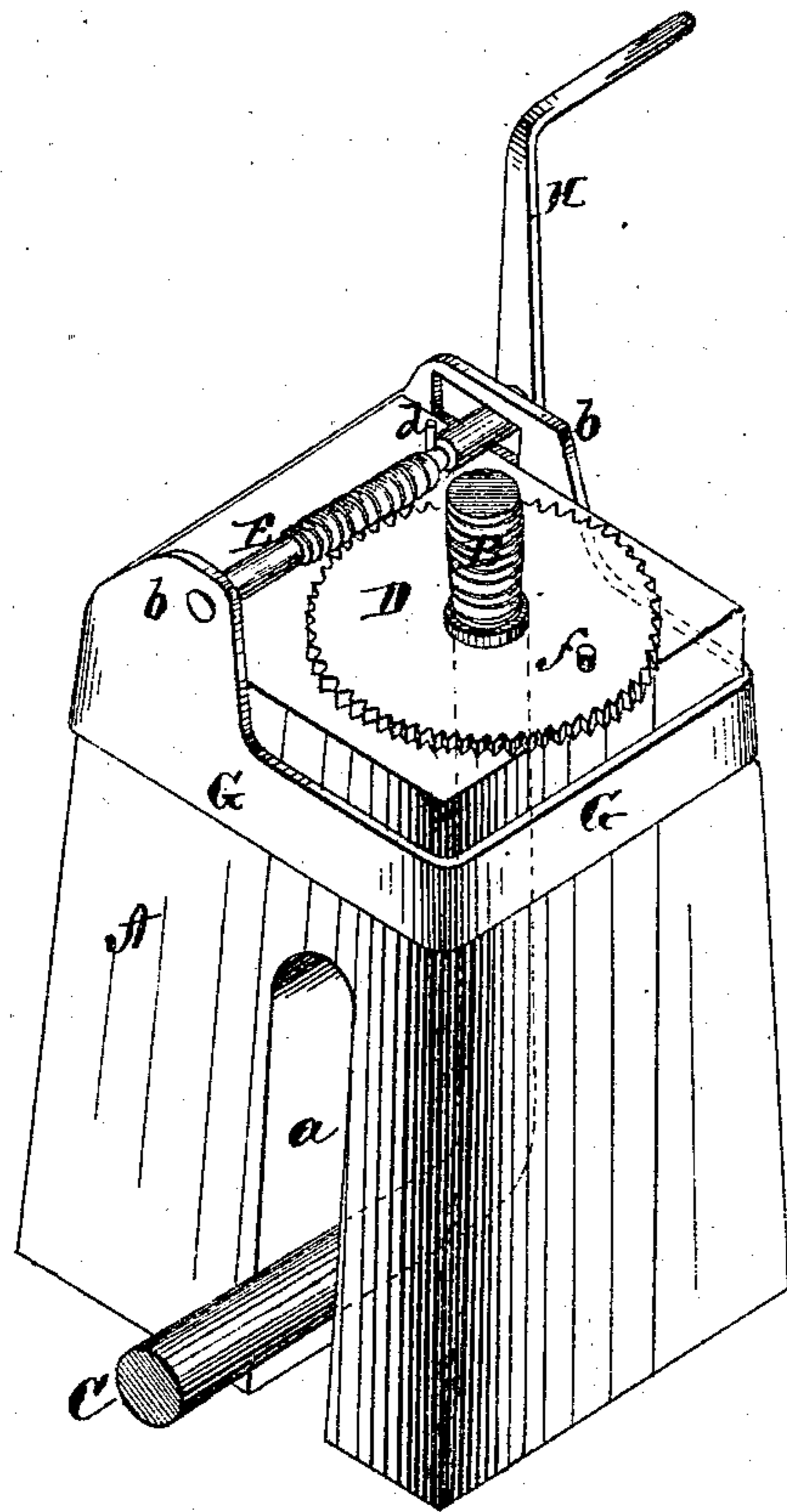


D. SHUMUSK.

Improvement in Lifting-Jacks.

No. 130,542.

Patented Aug. 13, 1872.



Witnesses:

Geo. O. Hutchinson

A. L. Everts

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UNITED STATES PATENT OFFICE.

DAVID SHUMUSK, OF CASTILE, NEW YORK.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. 130,542, dated August 13, 1872.

To all whom it may concern:

Be it known that I, DAVID SHUMUSK, of Castile, in the county of Wyoming, and in the State of New York, have invented certain new and useful Improvements in Lifting-Jack; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a lifting-jack, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a perspective view of my machine.

A represents a block of any suitable dimensions, through which passes vertically a screw, B, having at its lower end an arm, C, extending through a vertical slot, *a*, in the block. On the upper end of this screw is screwed a toothed wheel, D, which gears with a worm-screw, E, having its bearings in ears *b b* upon a metal band, G, surrounding the upper end of the block. One of these ears is slotted, as shown in the drawing, so that this end of the worm-screw can be thrown in and out of gear with the wheel D. It is held in gear by a pin, *d*, inserted in the top of the block, and work-

ing in a groove on the worm-screw. Upon the end of the worm-screw is a crank, H, by means of which it is turned.

The arm C is placed under the article to be raised, and the crank H turned, when the screw B is raised by means of the worm-screw E and toothed wheel D. The screw may be lowered by turning the crank backward; or, when no weight is on the screw, by taking out the pin *d*, throwing the worm out of gear, and turning the wheel D by a crank, *f*, on the same.

This machine may be used for a variety of purposes: hoisting or raising buildings or cars, in presses of various kinds, pulling stumps, moving buildings, &c.

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

The slotted wooden block A, having metal band G, with ears *b b*, the angular bar C, toothed wheel D, worm-screw shaft E with lever H, and the pin *d*, all constructed substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 13th day of May, 1872.

DAVID SHUMUSK.

Witnesses:

GEORGE SMITH,
ANSON HOWARD.