

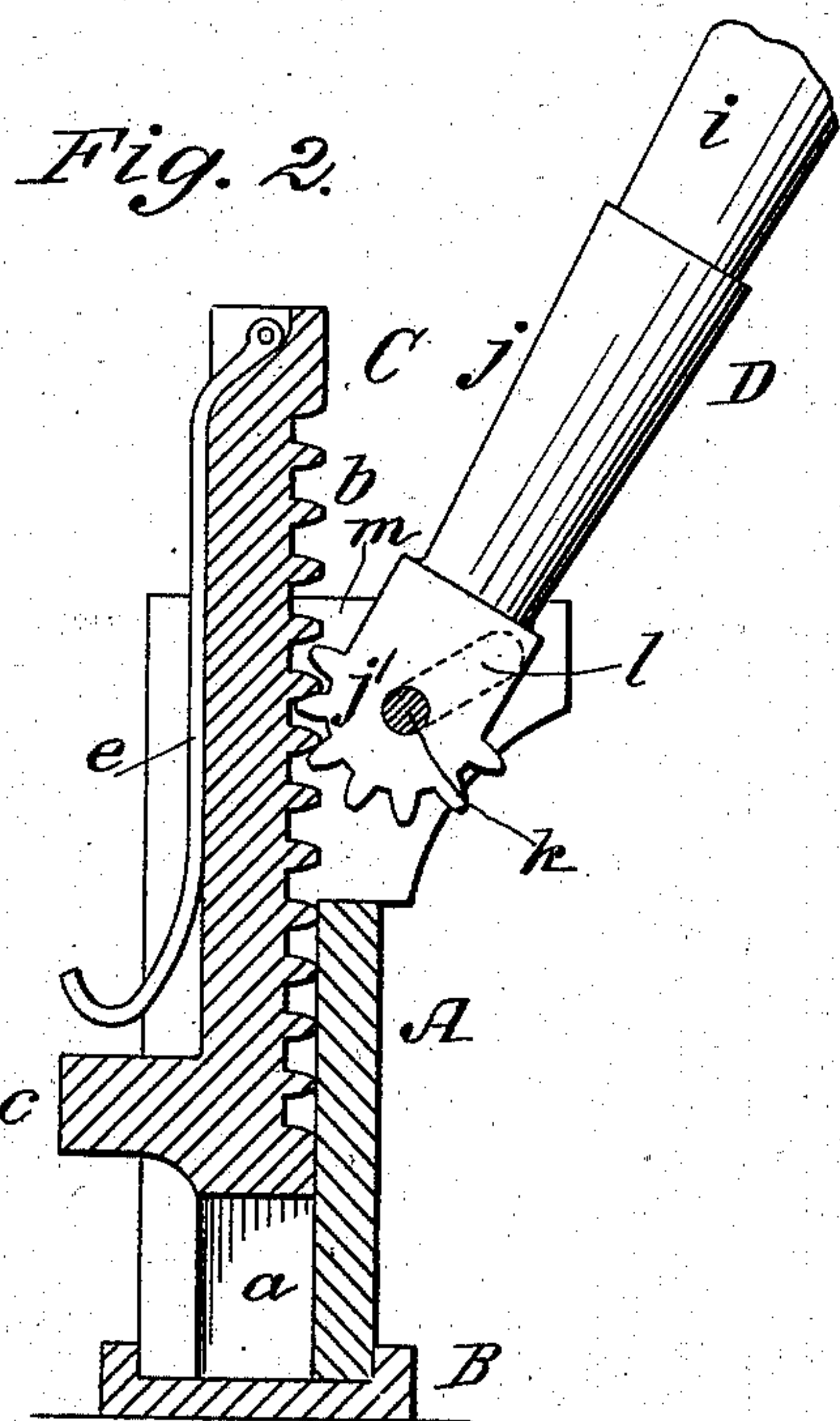
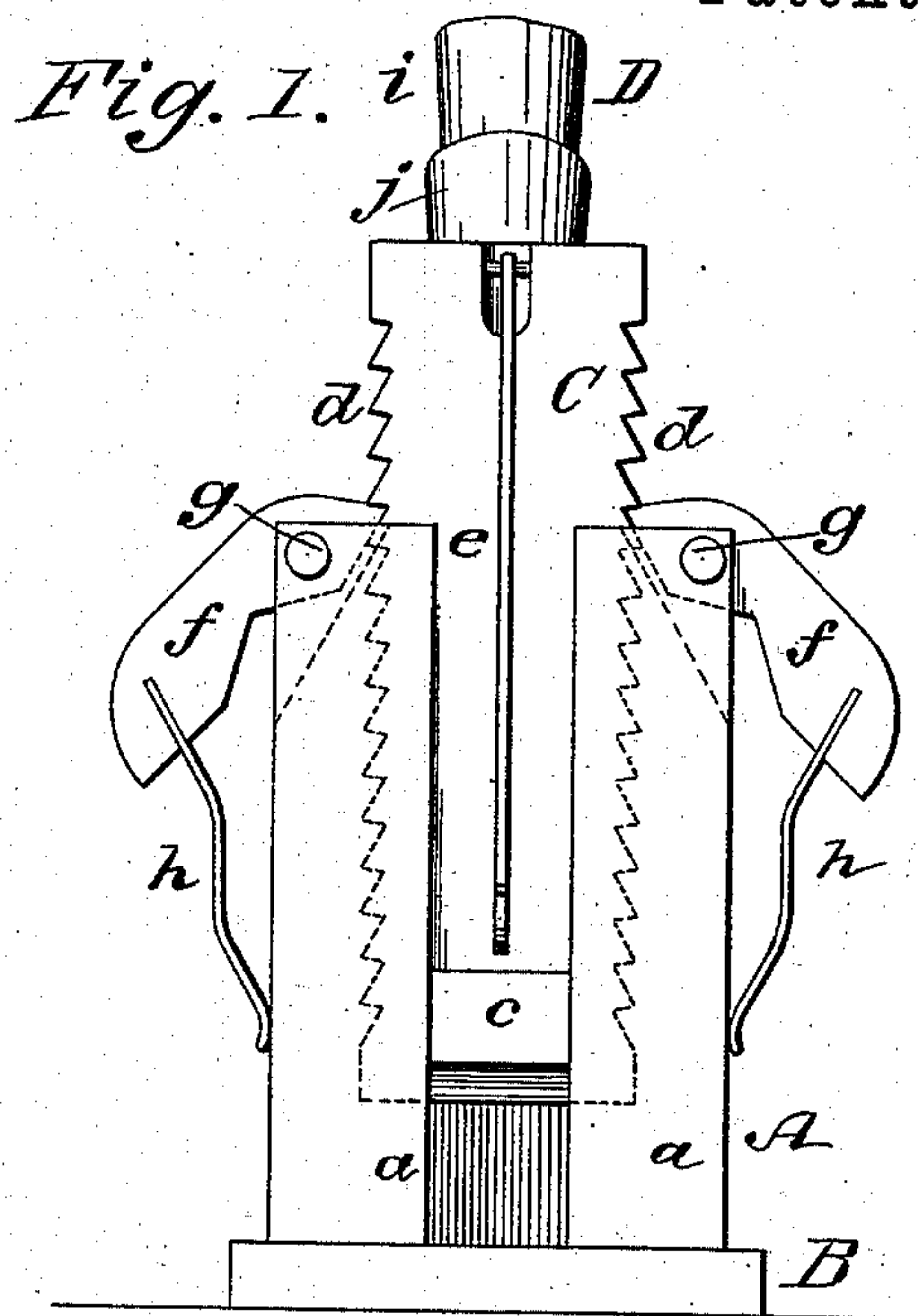
(No Model.)

J. W. MASSEY.

POWER JACK.

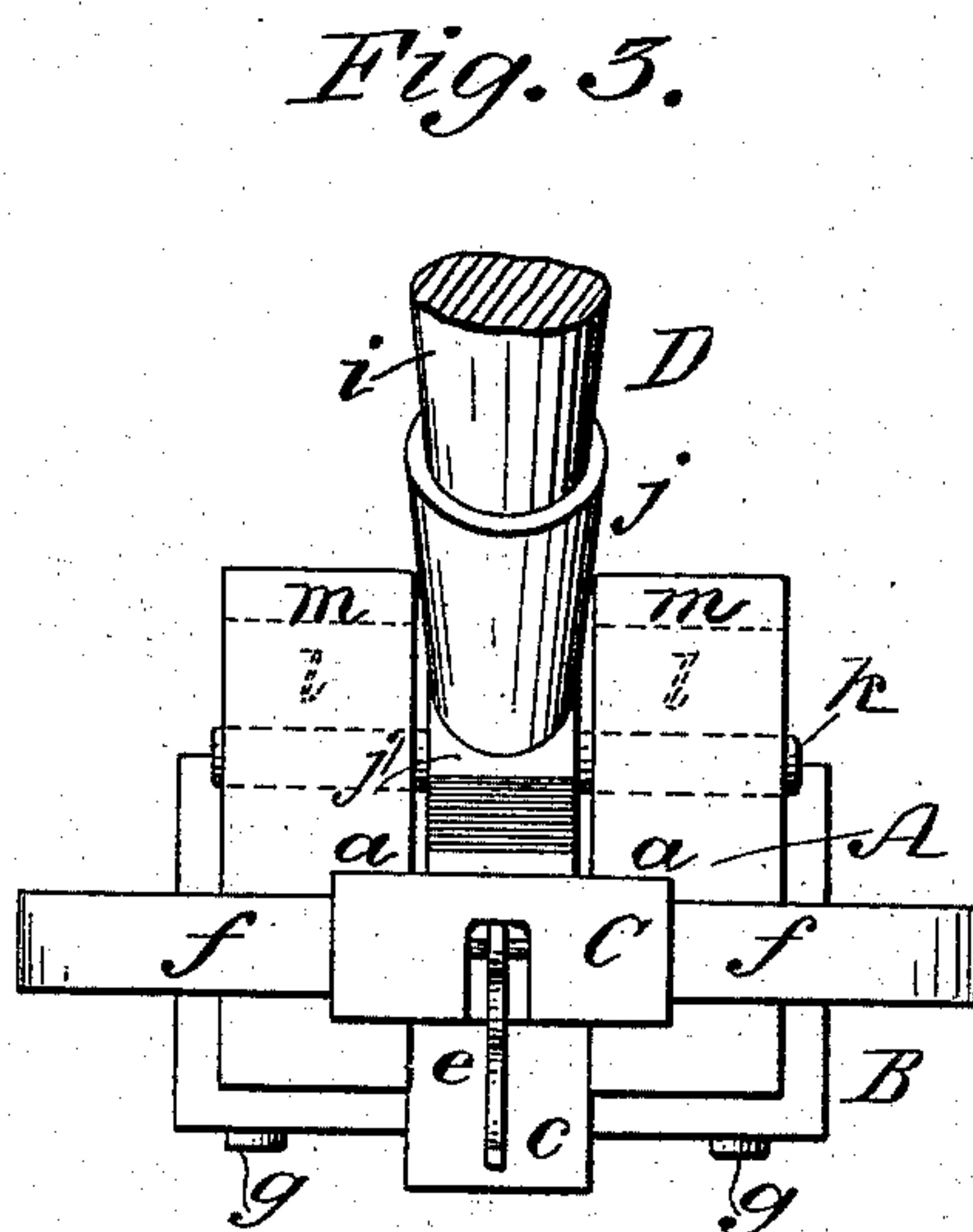
No. 291,370.

Patented Jan. 1, 1884.



WITNESSES:

John R. Deemer  
C. Sedgwick



**INVENTOR:**

BY J. W. Massey  
Munn & Co

ATTORNEYS.



# UNITED STATES PATENT OFFICE.

JOHN WASHINGTON MASSEY, OF GHOLSON, ASSIGNOR OF ONE-HALF TO  
MADISON EDWARDS, OF NOXUBEE COUNTY, MISSISSIPPI.

## POWER-JACK.

SPECIFICATION forming part of Letters Patent No. 291,370, dated January 1, 1884.

Application filed May 29, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN WASHINGTON MASSEY, of Gholson, in the county of Noxubee and State of Mississippi, have invented a new and Improved Power-Jack, of which the following is a full, clear, and exact description.

The object of my invention is to provide a power-jack adapted for various uses—such as leveling buildings, laying flooring, rolling logs, &c.; and the invention consists of the construction, arrangement, and combinations of parts, all as hereinafter described.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of my new and improved power-jack. Fig. 2 is a sectional elevation of the same; and Fig. 3 is a plan view of the jack, the lever in all of the figures being shown broken off short.

A is the frame of the power-jack. This is fitted upon or has formed upon it the base-plate B, and is formed with the side ways, *a a*, in which is held the sliding bar C. This bar is formed upon the side next to the lever D with the rack *b*, upon the other side, at or near its lower end, with the projection *c*, and is provided with the pivoted hook *e*, and its edges are formed with the ratchet-teeth *d d*, with which the pawls *f f* engage for holding the bar elevated in the frame, as will be clearly understood from Fig. 1, the pawls being pivoted at *g g* in the frame A, and acted upon by the springs *h h* impinging against the edges of the frame A, as clearly shown in said figure. The lever D is fulcrumed upon the rod *k*, that is placed through and moves in the inclined slots *l l*, made in the projections *m m*, attached to or formed upon the frame A, and is composed of the wooden portion *i* and the metal portion *j*, which latter at its outer end is socketed to receive and hold the wooden portion *i*, and is formed at the other end with the circular toothed head *j'*, the teeth of which are adapted, when the fulcrum-rod *k* stands at the lower ends of the slots *l l*, to engage with

the rack *b* of the sliding bar C, so that by forcing the lever downward or backward it will cause the bar C to be raised or forced out of the casing A with great force, as will be clearly understood from Fig. 2. The hook *e* will be made of steel and made sharp at its free end, so as to adapt the jack for rolling logs upon a saw-mill carriage or upon the ground where a cant-hook or other lever cannot be conveniently used. The projection *c* adapts the jack to be used for lifting vertically objects situated near the ground, and also adapts the jack to various uses in a horizontal position.

In using the jack for leveling buildings and for similar purposes, or for laying flooring, &c., the load will, where possible, be raised or moved from the upper end of the bar C. In raising or moving forward the lever D, the inclined slots *l l* permit a backward movement of the lower end of the lever for disengaging the teeth of the head *j'* from the rack *b*, and these slots, being inclined, tend also to cause the teeth of the head *j'* to hug the rack *b*, so that there will be no danger of disengagement or slipping of the lever D when under force. The pawls *f f*, from their ready engagement with the ratchets *d d*, hold the bar C with great security, and they are certain in their action, and, being arranged at both edges of the bar C, serve also to hold the bar against lateral or swinging movement.

Thus constructed, the jack is adapted for a great variety of uses, is very powerful, and is durable, cheap, and easy and convenient to handle.

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

The casing A, having side ways, *a a*, and formed with projections *m m*, having inclined slots *l l*, in combination with the rack-bar C, spring-pawls *f f*, and lever D, having the circular toothed head *j'*, substantially as and for the purposes set forth.

JOHN WASHINGTON MASSEY.

Witnesses:

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T. T. PATTY.