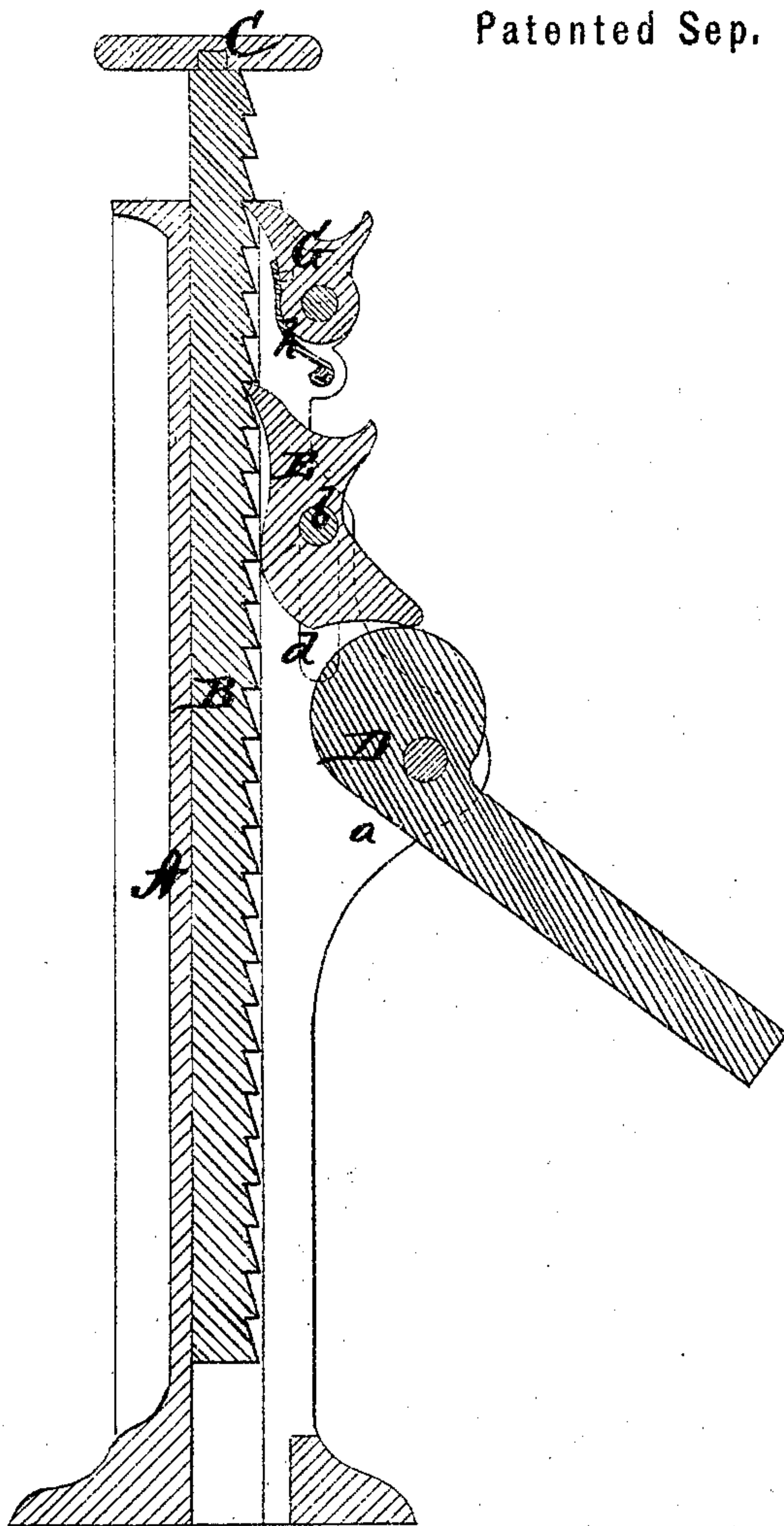


THOMAS MAXON.

Improvement in Lifting Jacks.

No. 118,955.

Patented Sep. 12, 1871.



Witnesses:

Henry N. Miller
C. L. Evert.

Inventor

Thos. Maxon
per Alexander Mason
Atty.

UNITED STATES PATENT OFFICE.

THOMAS MAXON, OF SPRINGFIELD, OHIO, ASSIGNOR FOR ONE-HALF HIS RIGHT
TO I. HAL. KELLY, OF SAME PLACE.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. 118,955, dated September 12, 1871.

To all whom it may concern:

Be it known that I, THOMAS MAXON, of Springfield, in the county of Clarke and in the State of Ohio, 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 longitudinal vertical section of my lifting-jack.

A represents a hollow post of any suitable dimensions, in which is placed a vertical rack-bar, B, provided with a plate, C, at its upper end. The post A is open the entire rear side, except immediately at the base, which is enlarged to form a foot for the post. The sides of the hollow post A are at a certain point extended toward the rear, forming ears *a a*, between which an eccentric lever, D, is pivoted. This lever operates a pawl, E, which is provided with pins, *b*, forming journals upon which the pawl turns, said pins or journals being inserted in vertical slots *d* in the sides of the hollow post. By this means the pawl E will not only turn on its journals, but

also slide up and down when operated upon by the eccentric lever D. The pawl E is so constructed that it is not evenly balanced on its journals, but the preponderance of weight is inward, so that it will always engage with the rack-bar B. Above the sliding pawl E, and in the sides of the hollow post A, is pivoted another pawl, G, which is forced inward against the rack-bar B by means of a spring, *h*, so as to hold the rack-bar at any height to which it may have been raised by the sliding pawl.

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

1. The pawl E, provided with pins or journals *b*, and sliding in the slots *d* of the post A, substantially as and for the purposes herein set forth.

2. The combination of the eccentric lever D and the sliding pawl E, constructed and arranged substantially as and for the purposes herein set forth.

3. The combination of the hollow post A, rack-bar B with plate C, eccentric lever D, sliding pawl E, and pawl G, all constructed and arranged to operate substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 31st day of July, 1871.

THOMAS MAXON.

Witnesses:

H. S. THOMAS,
J. P. COBLENTZ.