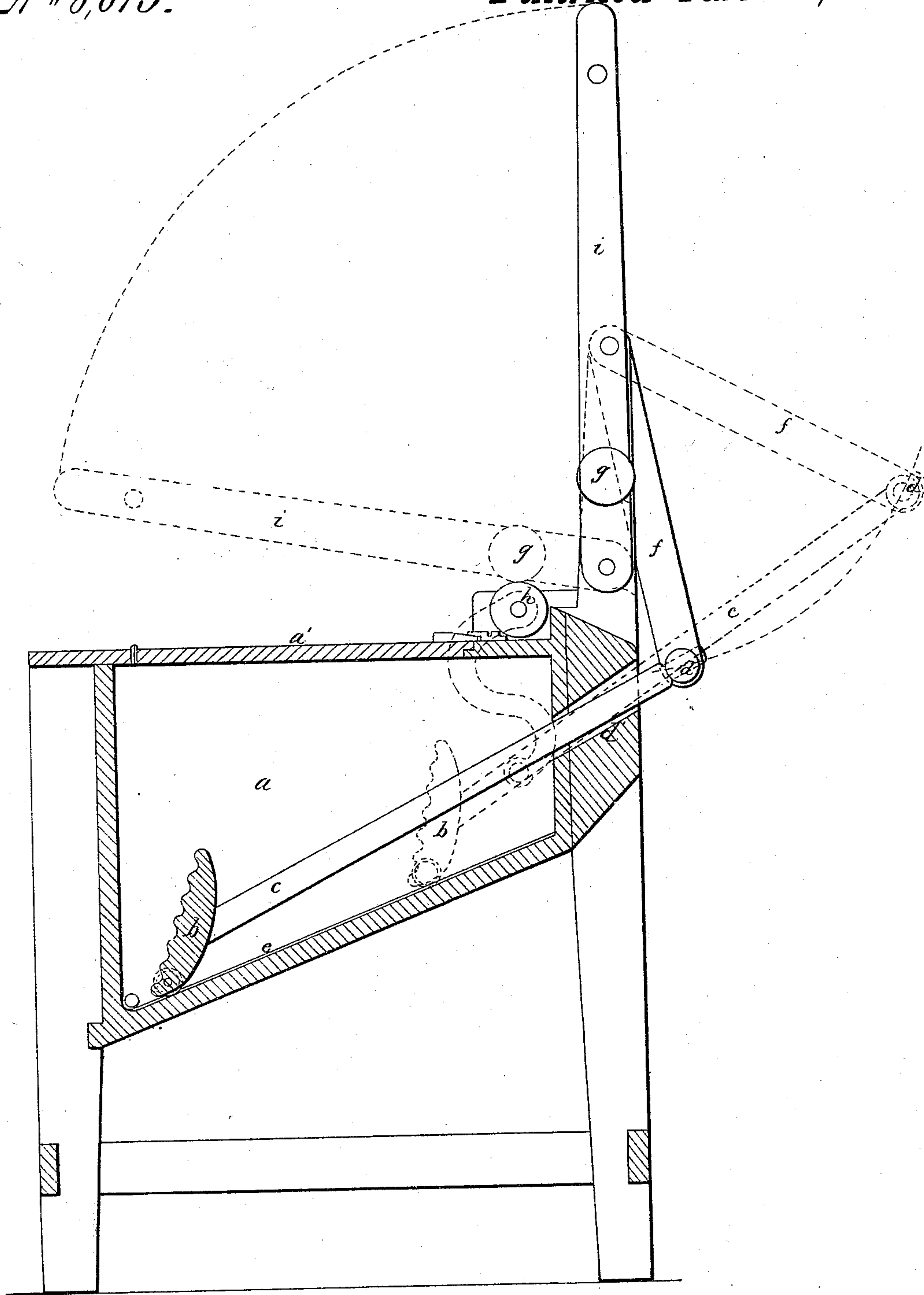


*J. McLaughlin,*

*Washing Machine,*

*N<sup>o</sup> 8,673.*

*Patented Jan. 20, 1852*



# UNITED STATES PATENT OFFICE.

JOHN McLAUGHLIN, OF GOSHEN, OHIO.

## WASHING-MACHINE.

Specification of Letters Patent No. 8,673, dated January 20, 1852.

*To all whom it may concern:*

Be it known that I, JOHN McLAUGHLIN, of Goshen, in the county of Clermont and State of Ohio, have invented new and useful  
5 Improvements in Washing-Machines; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the annexed drawing, making part of this specification, the said  
10 drawing being a longitudinal section through the machine.

It is my aim in this improvement so to form and arrange the moving parts as to nearly balance the two movements, namely  
15 the downward one which results in fulling or beating the clothes and the upward or retracting stroke made preparatory to another plunge. This is effected by weighting the handle which is suspended by shackles  
20 from the frame so as to coöperate with and assist the movements of the person operating the machine when the clothes are being acted on. The handle also operating from a center from which it is suspended is much  
25 more conveniently handled and prevents any necessity for lifting it vertically preparatory to its downward effective stroke. The other point in my invention is a method of squeezing the water from the clothes as they  
30 are removed from the tub, by passing them between rollers the lower one being rotated by means of a crank handle and the upper one being set in a swinging gate which is brought down when desired and the re-  
35 quired force applied by means of the hand.

In the annexed drawing (a) represents a box or receptacle which contains the clothes and hot water, the floor or bottom of this box sloping downward away from the  
40 handle so as to collect the clothes and hot

water at the farther end. This box is closed by a lid (a') when charged with clothes and water. (b) is a ram or beater being of a somewhat flattened form and fluted on its face, to this beater are attached  
45 a pair of rods (c) which passing through the front (d') of the box are united to the weighted handle (d) outside of the box; there are two beads (e) in the angles of the box upon which the ram slides; the rear  
50 end of the ram frame is supported by shackles (f) which vibrate so as to allow of the play of the frame. The ram may run on rollers so as to facilitate its passage, and may have a roller along its upper edge  
55 to assist in delivering the clothes.

When the clothes are washed the roller (g) is brought down upon the roller (h) and the requisite pressure being put upon the end of the swinging frame (i) the  
60 clothes are drawn through between the rollers into a tub outside, the water being mostly arrested by the rollers and returned to the tub (a).

Having thus fully described the nature, 65 construction and operation of my improved washing machine, what I claim therein as new and desire to secure by Letters Patent is—

The method of hanging and operating the 70 plunger by means of the shackles (f, f,) and the heavy counterpoise handle (d), as described.

In testimony whereof, I have hereunto set my hand before two subscribing witnesses.

JOHN McLAUGHLIN.

Witnesses:

EDWARD H. KNIGHT,  
DAVID GROVES.