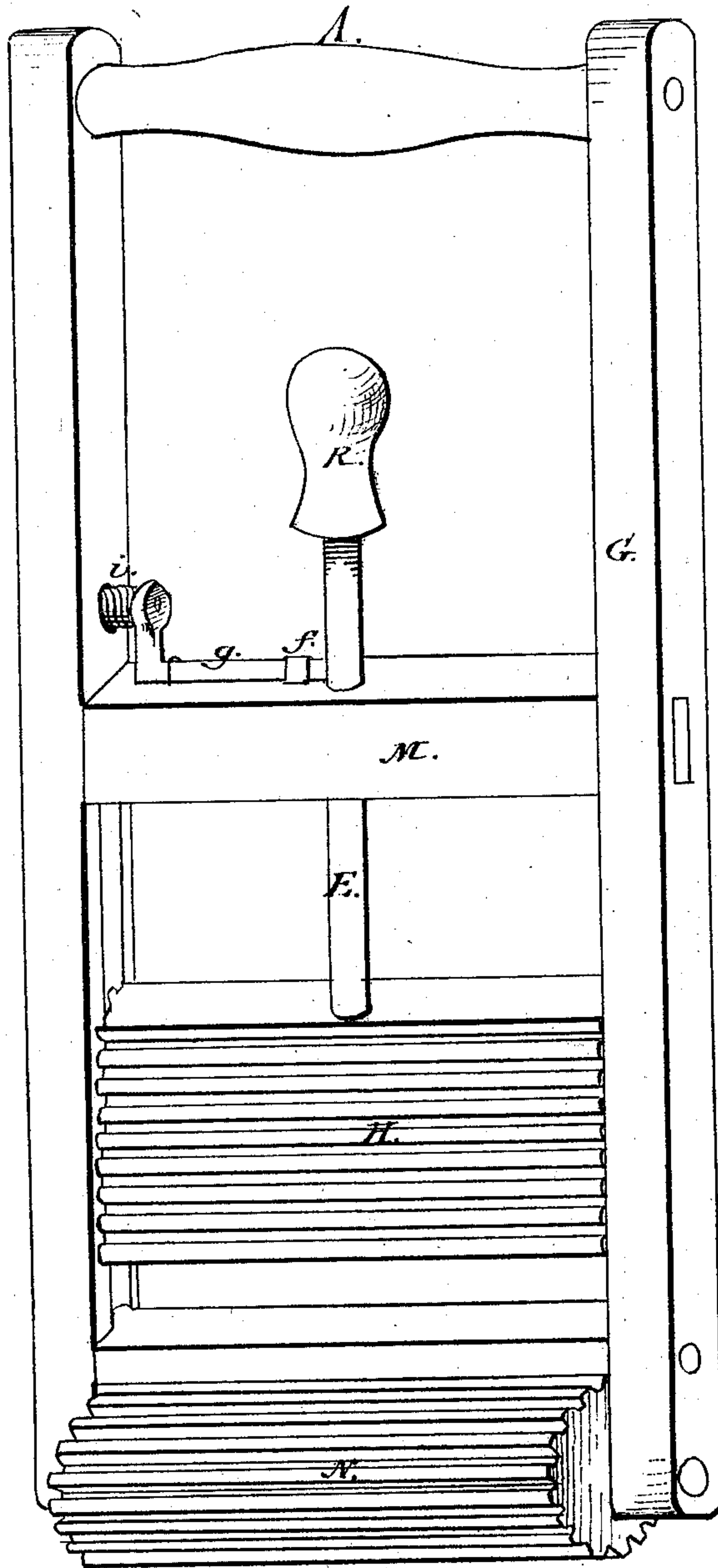


*J. K. Dugdale,*

*Washing Mach.*

*No. 98,856.*

*Patented Jan. 18. 1870.*



*Witnesses:*

*Benjamin W. Addelman*

*Wm. L. Robertson*

*Inventor:*

*James K. Dugdale*

# United States Patent Office.

JAMES K. DUGDALE, OF WHITE WATER, INDIANA.

*Letters Patent No. 98,856, dated January 18, 1870.*

## IMPROVEMENT IN CLOTHES-WASHER.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, JAMES K. DUGDALE, of White Water, in the county of Wayne, and State of Indiana, have invented a new and useful Clothes-Washer; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification—

A being a perspective view of a clothes-holder, with a rubber or roller attached to the lower end, the two, in connection, forming a clothes-washer.

G is the frame.

H, a movable board.

M, a stationary cross-piece.

E, a sliding rod, passing through said cross-piece, and fastened in the movable board H.

R, a knob, attached to the upper end of rod E.

There are notches in said rod at *f*, in which the bolt *g* catches.

The bolt is pressed against the rod E, by spring *i*, or equivalent thereto.

The bolt may be stationary, and the notches turned under it by turning the rod.

N is the roller or rubber, the journals of which work at the lower end of side pieces of frame G.

The clothes are put in the opening made by raising

board H, which, being pushed down, they are fastened in.

In operating, the rubber N may beat the clothes against the bottom of a wash-tub, in which a wash-board is fastened, and the clothes may be drawn up and down on said wash-board.

An extra pressure is obtained by applying one hand to the cross-piece M.

Wash-boards and tubs in general use may be used, and the boards fastened securely in the tub, by attaching cords thereto, which are hooked under the bottom of the tub.

I do not claim as new, anything granted me in Letters Patent for "improved washing-machine," dated the 21st day of July, antedated the 15th day of July, 1868, No. 80,156.

What I claim as my invention and improvement, is—

The combination of the roller N, slide-board H, slide-rod E, and knob, spring-bolt *g*, or its equivalent, and notches *f*, arranged as shown and described.

JAMES K. DUGDALE.

Witnesses:

BENJAMIN W. ADDLEMAN,  
WM. L. ROBERTSON.