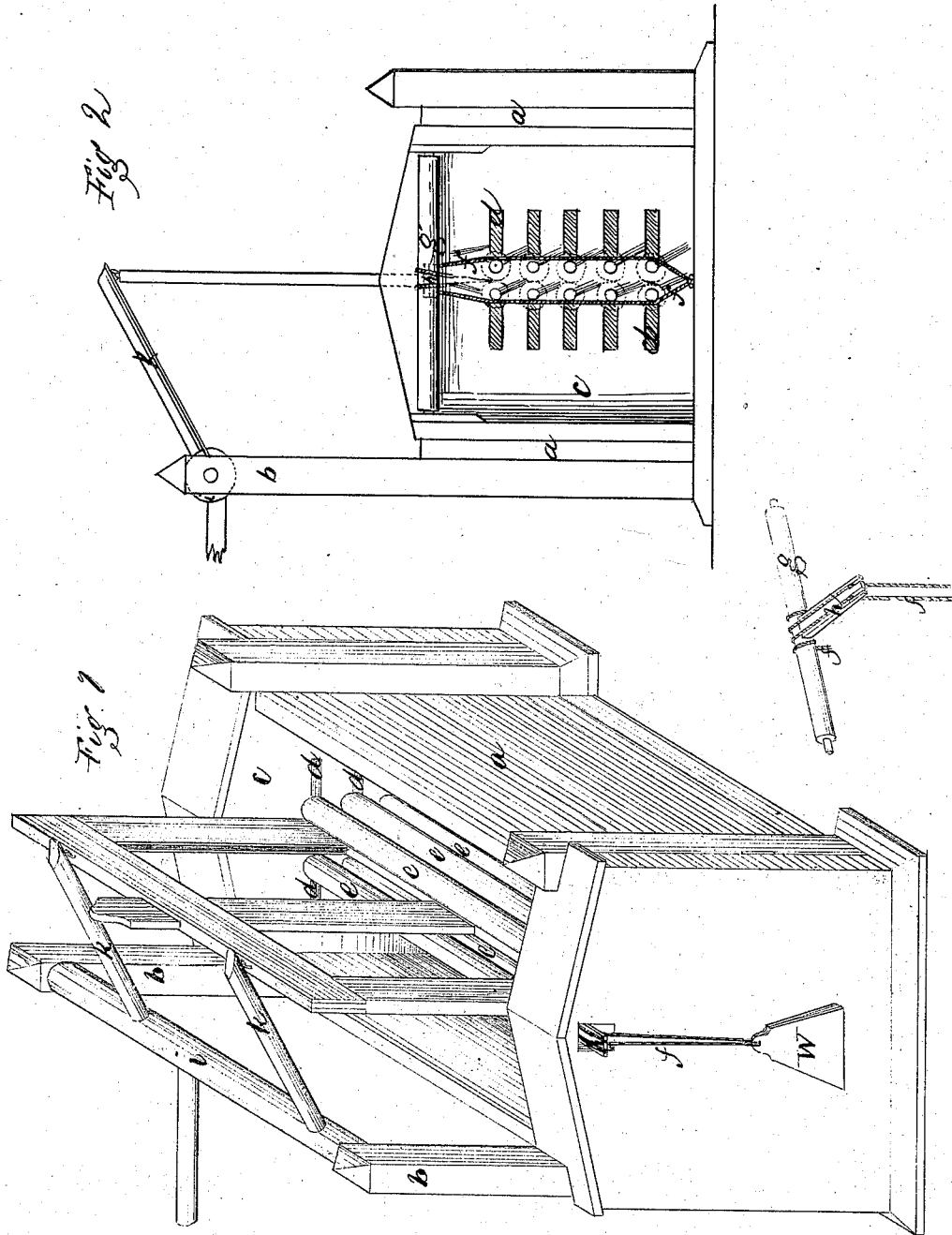


W. NEWBROUGH.  
WASHING MACHINE.

No. 3,549.

PATENTED APR. 17, 1844.



# UNITED STATES PATENT OFFICE.

WM. NEWBROUGH, OF WOOSTER, OHIO.

## WASHING-MACHINE.

Specification of Letters Patent No. 3,549, dated April 17, 1844.

*To all whom it may concern:*

Be it known that I, WILLIAM NEWBROUGH, of Wooster, in the county of Wayne and State of Ohio, have invented a new and useful Improvement in Washing-Machines; and I do hereby declare that the following is a full, clear and exact description thereof, reference being had to the accompanying drawing, which forms a part of this specification, in which—

Figure 1 is a perspective view; Fig. 2, vertical section.

The nature of my invention consists in cutting a series of parallel horizontal slots in the false ends of a square box, so as to serve for two vertical rows of horizontal rollers to have the bearings of their journals therein and behind said false ends two vertical chains or ropes are stretched from the bottom of the box up to a roller at the top around which they wind said roller has an arm projecting outward to which is attached a weight that keeps the chains straight the chains bear against the journals of the rollers and force them together.

The box (*a*) which contains the water &c. is an oblong one of sufficient depth having two ports (*b*) extend up from the corners on the sides, on the ends are put boards (*c*) which I denominate false ends a space being left between them and the ends of the box in these are cut the series of horizontal slots (*d*) one above the other; a double row of rollers (*e*) are put into the center of the machine having their bearings in said slots the journals projecting through and across the space between the ends of the box and

the false ends; at the center of the bottom of the box in these spaces at each end are fastened two chains or ropes (*f*) (shown in Fig. 2,) which extend up outside the journals of the rollers to the roller (*g*) at top where they are fastened they are kept tight by means of a weight (*w*), that is suspended outside the box on an arm (*h*) of roller (*g*). In the posts (*b*) near the top an axis (*i*) is suspended from which two arms (*h*) project over the space between the rollers; to the ends of these arms is jointed a square frame that hangs down, and, by moving the arms up and down it moves between the rollers; in this frame the clothes are fastened and by its action between the rollers they are cleansed the chain keeping up a flexible pressure on the rollers, slots of the form of a segment of a circle may be made in the false ends instead of straight ones.

Having thus fully described my improvement I wish it understood that I do not claim the invention of the combined series of rollers; but

What I do claim as my invention and desire to secure by Letters Patent is—

The employment of a chain embracing the journals of rollers as above set forth in combination with the rollers and weight constructed and arranged substantially as described, by which the rollers are pressed toward each other.

WILLIAM NEWBROUGH.

Witnesses:

J. J. GREENOUGH,  
JAMES A. COURTNEY.