

A. WALTON.
Washing-Machine.

No. 220,738.

Patented Oct. 21, 1879.

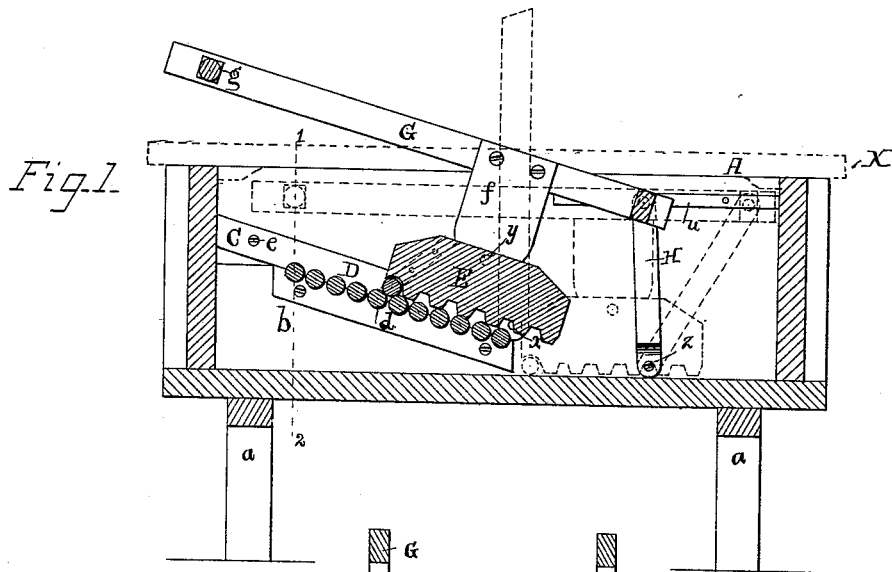


Fig. 2.

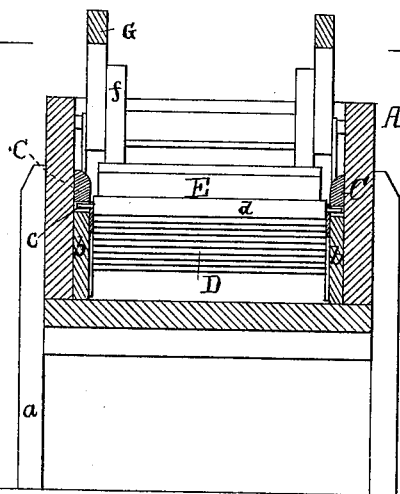


Fig. 4.

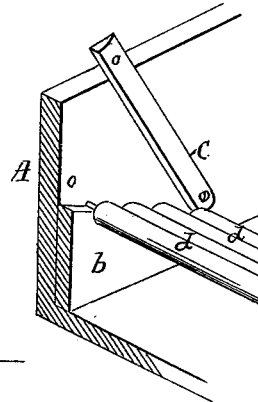


Fig. 5.

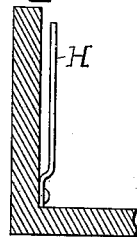
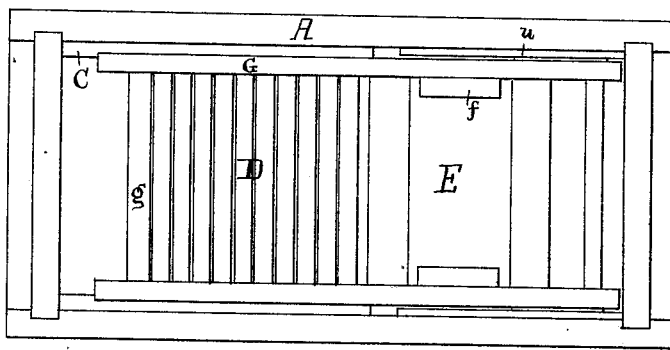


Fig. 3.



Attest:
Courtney A. Cooper
William Paxton

Inventor
Anderson Walton
By his attorney
Charles E. Foster

UNITED STATES PATENT OFFICE.

ANDERSON WALTON, OF CHARLESTON, ILLINOIS.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **220,738**, dated October 21, 1879; application filed July 2, 1879.

To all whom it may concern:

Be it known that I, ANDERSON WALTON, of Charleston, Coles county, Illinois, have invented Improvements in Washing-Machines, of which the following is a specification.

My invention relates to that class of washing-machines in which a rubber reciprocates over an inclined board composed of parallel rollers, the object of the invention being to prevent injury to the clothes by the vibrating connecting-arms.

In the drawings, forming part of this specification, Figure 1 is a longitudinal section of my machine; Fig. 2, a transverse vertical section on the line 1 2, Fig. 1, looking in the direction of the arrow; Fig. 3, a plan view; Fig. 4, a detached perspective view; Fig. 5, a detached section.

A represents the trough or box, supported by suitable legs *a*, and having at opposite sides, near one end, inclined shoulders *b*, in which are notches, constituting the bearings of the journals *c* of a series of rollers, *d*, constituting the wash-board D.

To each side of the box is pivoted at *x* the lower end of a bar, *O*, which may be turned to the position shown in dotted lines, so as to permit the rollers to be removed, or may be turned down so as to cover and confine the journals of said rollers, being secured in this position by a thumb-screw, *e*, or other fastening device. By this means, should an article of clothing become wedged between two rollers, or should one of them splinter, so as to injure the clothes, it may be quickly removed, and the top roller put in its place, or another roller inserted.

I am aware that removable side rubbers confining the rollers have been used; but the above-described device is more simple, cheaper, and more readily manipulated.

The rubber *E* is pivoted at *y* to arms *f* of a

frame, *G*, the cross-bar *g* of which constitutes the handle. The inner ends of the frame are pivoted to arms *H H*, which extend downward, and are posted at *Z* to the sides of the box near the bottom. By pressing upon the handle *g* the rubber is caused to traverse downward over the board and bear upon and rub the clothes.

When the rubber is thrown to the position shown in dotted lines it may be completely covered by a flat top, *X*, dotted lines in Fig. 1, so as to constitute a table.

In order to prevent clothing from jamming between the arms *H H* and the sides of the box, causing thereby the consequent injury to the articles, as well as impeding the operation, which results when the arms work close to the side, I bend the arms *H H* out at the lower ends, so that they are set away some distance from the sides, leaving room for the clothes to enter without jamming or cutting, and provide the latter with strips *u u*, which prevent the frame moving laterally to carry the arms *H* inward.

I claim—

1. The combination, with the box, inclined roller, bed-frame, and rubber of a washing-machine, of the arms *H H*, pivoted at the lower ends to the sides of the box, bent away from said sides, and extended upward and connected to the frame, as set forth.

2. The combination of the box, rollers *d*, frame carrying the rubber *E*, bent connecting-arms *H*, and strips *u*, arranged to prevent lateral motion of said arms, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ANDERSON WALTON.

Witnesses:

WM. RICKETTS,
WM. R. WHITE.