

G. W. OLNEY.  
WASHING MACHINE.

No. 250,959.

Patented Dec. 13, 1881.

Fig. 1.

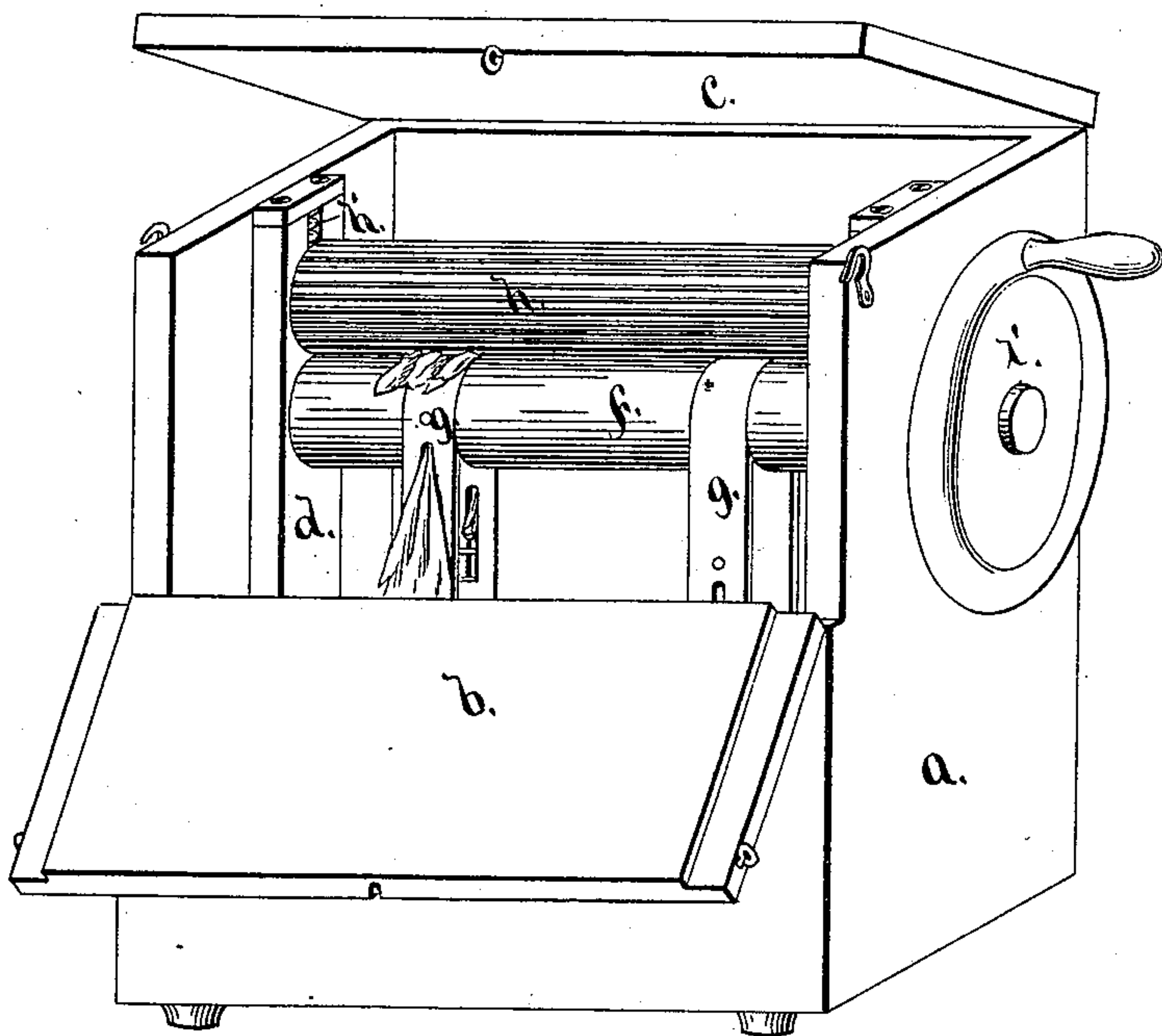


Fig. 2.

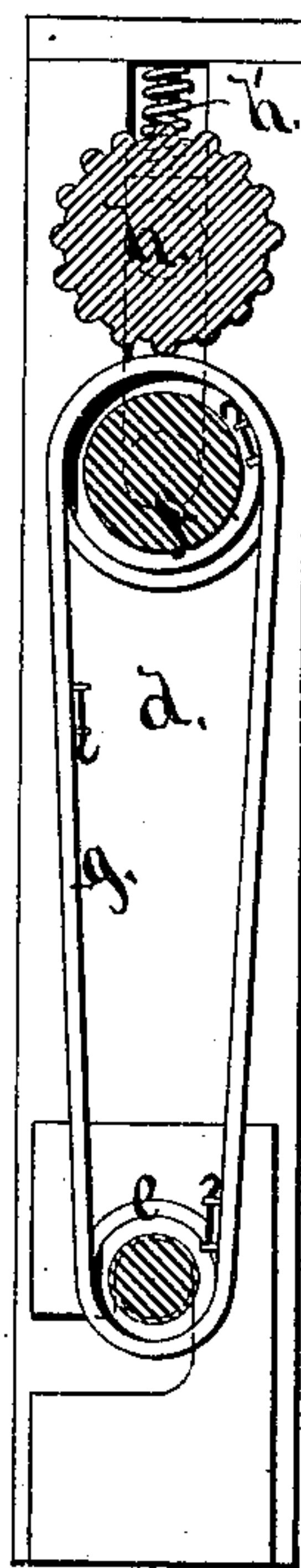


Fig. 3.



WITNESSES:

*J. A. Miller Jr.*  
*William L. Cook*

INVENTOR:

*George W. Olney*  
*by Joseph A. Miller*  
*attorney*

# UNITED STATES PATENT OFFICE.

GEORGE W. OLNEY, OF LINCOLN, RHODE ISLAND.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 250,959, dated December 13, 1881.

Application filed June 18, 1879.

*To all whom it may concern:*

Be it known that I, GEORGE W. OLNEY, of Lincoln, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Washing-Machines; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

The object of this invention is to produce a simple machine for washing all kinds of articles more rapidly than can be done by hand and equally as well without injuring the same.

The invention consists in the peculiar arrangement within a box of endless belts running over rollers and under a pressure-roller, so that the material carried by the belts will be subjected alternately to a washing and wringing process, as will be more fully set forth hereinafter.

Figure 1 is a perspective view of my improved washing-machine. The box is shown open, so as to more fully show the interior mechanism. Fig. 2 is a sectional view of the interior working parts. Fig. 3 is an enlarged view of the belt, showing the hooks by which the cloth is secured to the belts.

In the drawings, *a* is a box provided with the hinged side *b* and the top lid, *c*. Both of these are secured when closed by hooks or other suitable means.

*d d* are two strips secured within the box *a*, and in these strips the rolls *e* and *f*, over which the belts *g* pass, and also the roller *h*, are journaled. The axle of the roller *f* extends through the box, and to it the crank-wheel *i* is secured, by means of which the whole is operated.

The belts *g* are provided with holes *k* and hooks *l*, so that a cloth of any kind can be inserted through the holes *k* and secured to the hook *l*, and to prevent injury to these hooks the rollers *e* and *f* are provided with grooves, so that the belts in passing over the rollers will

not injure the hooks. The roller *h* is made with a fluted or corrugated surface, and is held against the roller *f* by coiled springs *h'*.

The operation of the washing-machine is as follows: The box is partly filled with water, and to the hooks of the endless belt (any number of belts desired may be used) the cloth or material to be washed is secured. When, now, the crank *i* is turned the belts will raise the material from the water, in which soap may be used, and pass the same over the roll *f* and under the roll *h*; and as this roll is held by means of the springs firmly against the roll *f* the water and solvent dirt is pressed out of the material, which descends, again enters, and passes through the water until the same is thoroughly washed, which is done in an incredibly short space of time.

Anything from a handkerchief to a blanket can be thoroughly washed by this machine with very little labor, and as the machine is simple in construction, it cannot easily get out of order, and can be washed out and cleaned with great facility. It can be made a fixture, and hot and cold water supplied to the same, and a pipe may also be connected to carry off the waste water.

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

The combination, in a washing-machine, with the rollers *e* and *f*, provided with grooves to allow the hooks to pass over, of the belt or belts *g*, provided with the holes *k* and hooks *l* on their inner side, and the spring-pressed corrugated roller *h*, arranged to operate substantially as and for the purpose set forth.

In witness whereof I have hereunto set my hand.

GEORGE W. OLNEY.

Witnesses:

JOSEPH A. MILLER,  
JOSEPH A. MILLER, Jr.