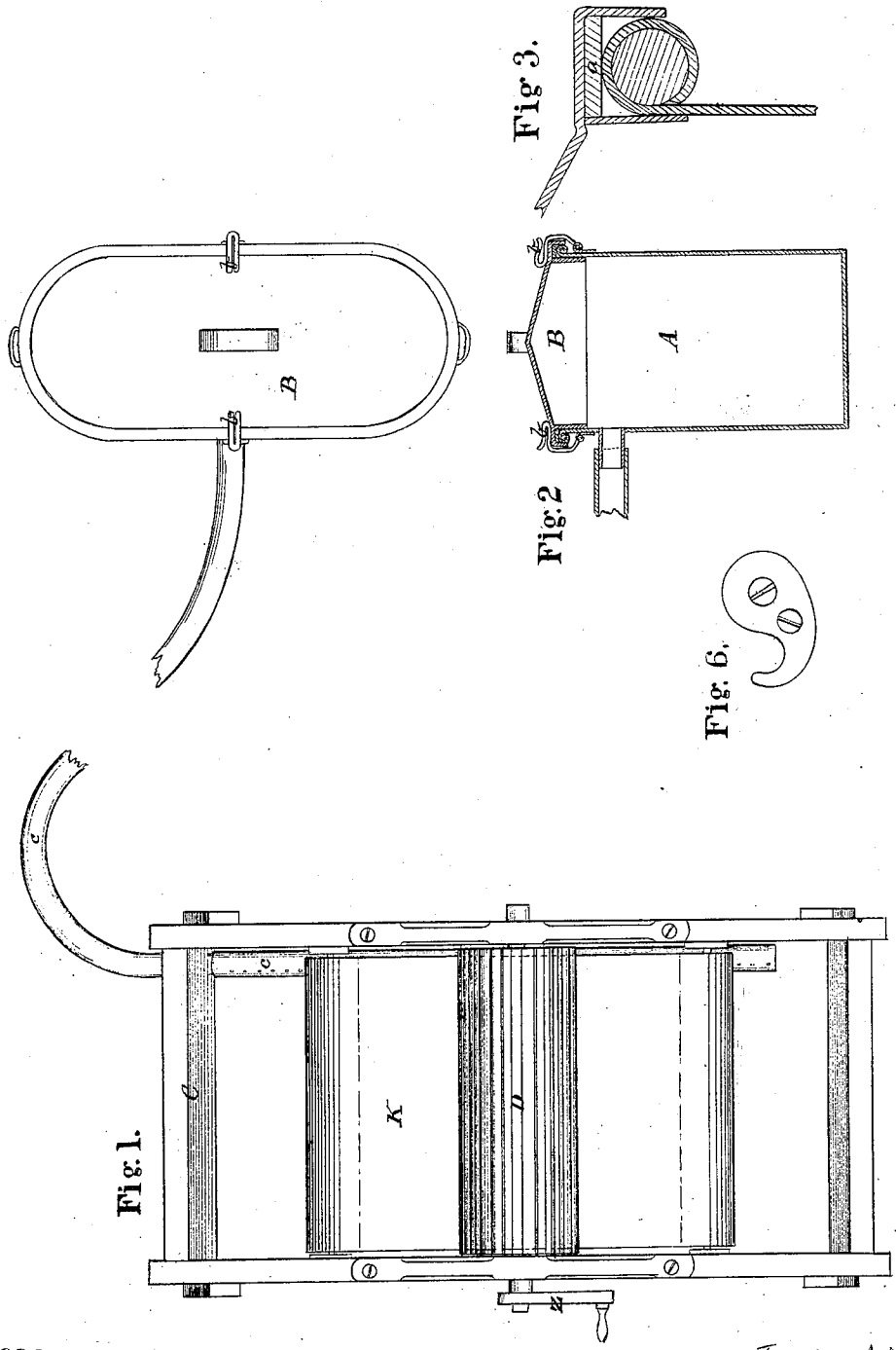


H. N. Thompson,

Washing Machine.

No. 102621.

Patented May 3, 1876.



Witnesses.
 Villet Anderson
 Cha Kenyon

Inventor
 H. N. Thompson
 Chipman & Mosier & Co
 Attorneys.

H. N. Thomson,

2. Sheets, Sheet 2.

Washing Machine.

No. 102621.

Patented May 3, 1870.

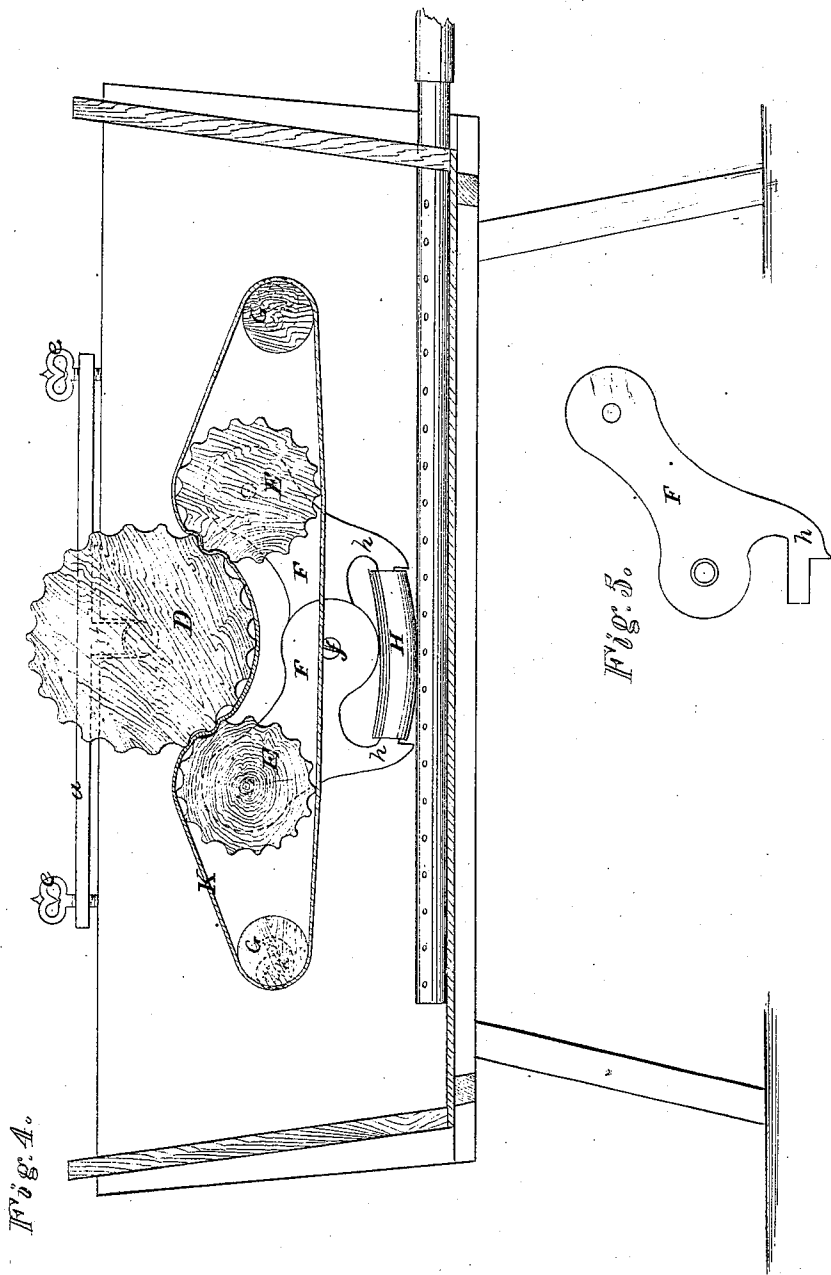


Fig. 4.

Fig. 5.

Witnesses
Wm. Anderson
Chas. Kenyon

Inventor
H. N. Thomson
Chipman Hosmer & Co.
Attorneys

United States Patent Office.

HORATIO N. THOMSON, OF AUBURN, NEW YORK.

Letters Patent No. 102,621, dated May 3, 1870.

IMPROVED WASHING-MACHINE.

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

To all whom it may concern:

Be it known that I, HORATIO N. THOMSON, of Auburn, in the county of Cayuga and State of New York, have invented a new and valuable Improvement in Washing-Machines; 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 drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a top view of my invention.

Figure 4 is a longitudinal section of the same.

Figures 2, 3, 5, and 6, are details.

My invention relates to washing-machines, and consists in the construction and novel arrangement of the tub and operating-rollers, and in the means adopted for steaming the goods and keeping up the supply of hot water.

The letter A of the drawings designates the boiler, provided with a cover, B, made steam-tight by means of the packing-strip or ring a, of rubber.

Hooks b b are attached to the side of the boiler, and adapted to clamp the cover down upon the rim of the boiler.

C represents my wash-tub connected to the boiler by a tube, c, which is attached thereto near the upper edge, in order to convey the steam only into the tub C. The tube enters the wash-tub at the end thereof, and being then perforated to give vent to the steam, extends lengthwise along its bottom.

The wash-tub is usually made rectangular in form, with the end slightly sloping outward and upward. When it is desired to boil the clothes therein, a cover should be employed.

D represents a large central roller, fluted horizontally, and designed to engage with the fluted rollers E E, pivoted at each side of it, but somewhat below its

axial line. The roller D is pivoted immediately to the sides of the tub, and its journals are kept in their seats by the cap-bars d d, regulated by the set-screws e e.

The rollers E E are pivoted to the plates F F, which are pivoted together and to the wall of the tub by the screw f, and are designed, when actuated by the expansible rubber spring H between their lower arms h h, to operate in such a manner as to press these rollers upward and inward against the large roller D.

G G designate smaller smooth rollers, pivoted to the plate-hooks k k, which are fastened to the walls of the tub. They are designed to support and guide the endless band K, of sail-cloth or other suitable material, which passes between the central roller and the rollers E E, and serves as a vehicle to carry the goods from one end of the wash-tub to the other.

The operating-crank Z is attached to the roller D. The goods being placed in one end of the tub upon the band, a sweep is given to the crank. The rollers will carry the goods down through the suds and up into the other end of the tub. A reverse movement of the rollers will convey them back to their original position. At each passage between the rollers the water is forced through the fabric until it is perfectly cleansed.

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

The washing-machine herein described, having rollers D E E, carriers G G, pivoted levers F F, endless band K, perforated tube c, and boiler A, substantially as shown and described.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

H. N. THOMSON.

Witnesses:

HENRY H. BOSTWICK,
S. C. COFFIN.