

*Fisher & Ball,
Washing Machine,*

Nº 53,132.

Patented Mar. 13, 1866.

Fig. 2.

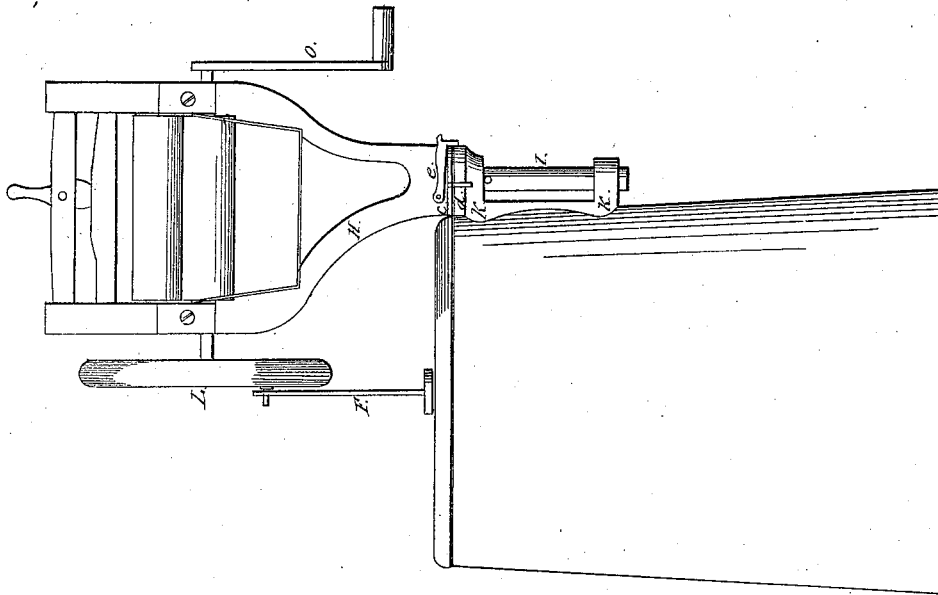
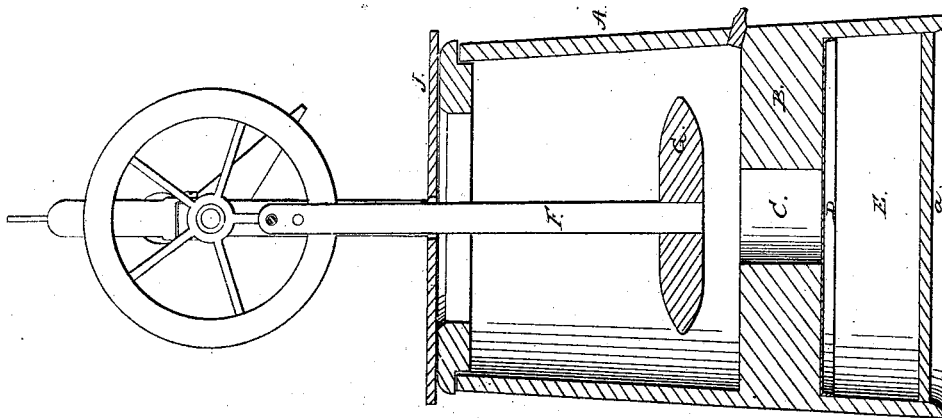


Fig. 1.



*Witnesses,
Chas. Alexander
John P. Jacobs,*

*Inventors,
Henry Fisher &
Milton Ball
per
Alexander & Mason
Attys.*

UNITED STATES PATENT OFFICE.

HENRY FISHER AND MILTON BALL, OF CANTON, OHIO.

WASHING AND WRINGING MACHINE.

Specification forming part of Letters Patent No. 53,132, dated March 13, 1866.

To all whom it may concern:

Be it known that we, HENRY FISHER and MILTON BALL, of Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Combined Washing and Wringing Machines; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

In the annexed drawing, making part of this specification, A represents the body of the machine, which is made in shape very similar to the ordinary churn used for making butter.

A little below the middle of the body a strong wooden bottom, B, is fitted in, as shown in Figure 1, and through the center of this bottom is an opening, C, which extends down to a metallic plate, D, which is secured to the under side of this bottom. Beneath the bottom B is a space, E, in which space is placed a lamp, said lamp being placed upon a cross-bar, *a*. The object of the lamp is to keep the water in the tub warm during the operation of washing. The lamp is placed directly under the opening C, so that the heat from the lamp strikes the plate D, and thus heats the water through said opening C.

H represents the frame of a wringing-machine, which has formed upon its lower extremity a shaft, I. This wringing-frame is provided with two shafts, which are placed parallel to each other and covered with india-rubber or other suitable material, and operates like the ordinary rubber-roller wringing-machines in general use.

The shaft I of the frame H stands in a vertical position, and passes through openings made to receive it in the metallic brackets K, which are secured firmly to the side of the tub or body of the machine.

An annular plate, *c*, formed on the shaft I, rests upon a similar plate on the bracket K, both of said plates being provided with slots upon their peripheries, into which a dog, *e*, falls, in order to station the wringing-frame in any desired position.

The frame stands in such a position (the rollers for wringing being higher or raised above the top of the tub) that when water is wrung from clothing it will fall into the tub or body of the machine, or otherwise, if desired.

One shaft of the rubber rollers is provided at one end with a crank-handle and at the other with a balance-wheel. The balance-wheel connects, by means of a pin, with a pitman, F, which passes down into the tub A. At the bottom of the pitman is secured a beater, G, to which the clothes may be secured, thus raising them up and down as the pitman rises and falls, or which may only pound or beat the clothing placed in the tub.

It will readily be seen that when the crank O is turned motion will be communicated to the pitman F through the wheel L, and that the operation of wringing and washing may be carried on by one and the same operation.

J represents a slide through which the pitman passes, said slide playing over the slot in the cover of the tub, which allows the pitman to conform to the motion given it by the wheel L.

What we claim is—

1. Connecting the pitman F with one of the wringing-roller shafts, substantially as and for the purpose herein specified.

2. Connecting the wringing-frame H to the tub A in an adjustable manner by means of the shaft I, annular plate *c*, dog *e*, and bracket K, constructed and used as and for the purpose herein specified.

3. Constructing the tub A in the manner described, with bottom B, opening C, plate D, and chamber or space E, when used as and for the purpose herein fully set forth.

As evidence that we claim the foregoing we have hereunto set our hands in the presence of two witnesses.

HENRY FISHER.
MILTON BALL.

Witnesses:

GEO. W. RAFF,
J. M. MASON.