

(No Model.)

J. F. PINKERTON.

WASHING MACHINE.

No. 342,034.

Patented May 18, 1886.

Fig. 1.

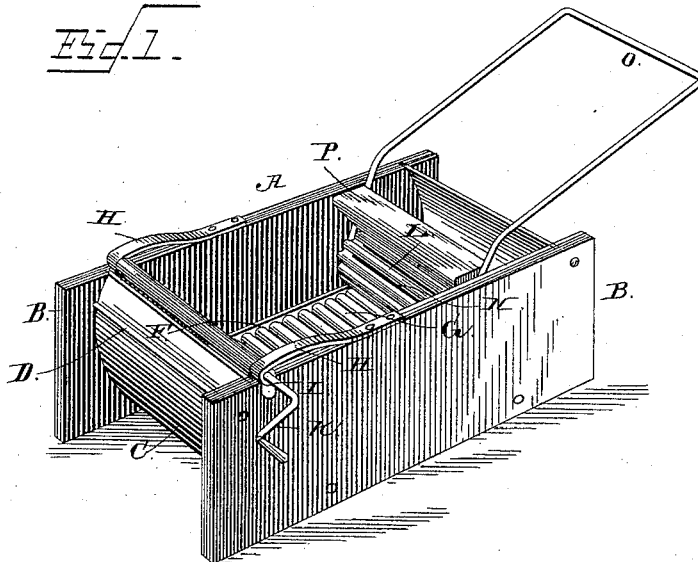
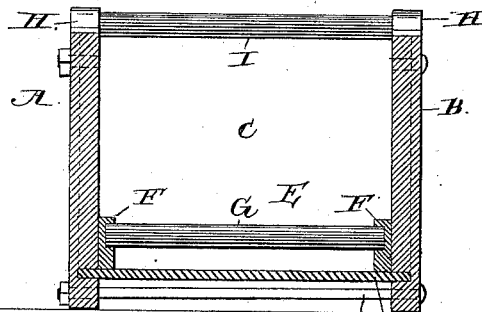
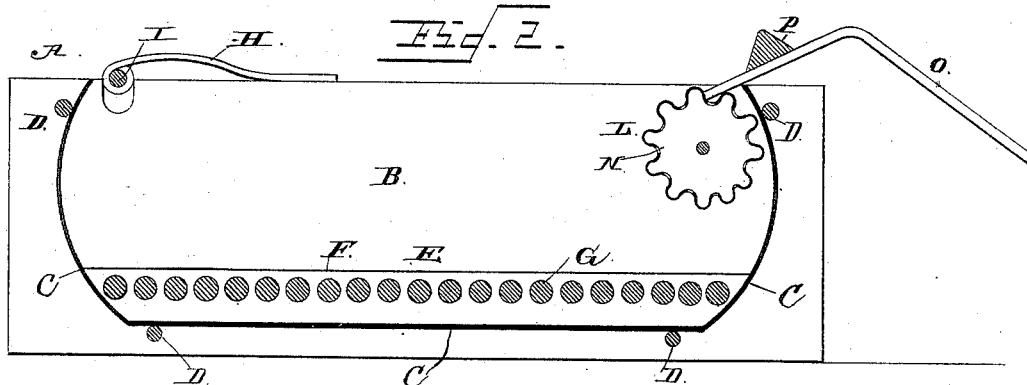


Fig. 2.



WITNESSES

M. E. Fowler
J. W. Garner

Fig. 3.

INVENTOR

J. F. Pinkerton

By *C. A. Snow*
his Attorneys.

UNITED STATES PATENT OFFICE.

JOHN FRANKLIN PINKERTON, OF CARLTON, TEXAS.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 342,034, dated May 18, 1886.

Application filed September 4, 1885. Serial No. 176,189. (No model.)

To all whom it may concern:

Be it known that I, JOHN FRANKLIN PINKERTON, a citizen of the United States, residing at Carlton, in the county of Hamilton and State of Texas, have invented a new and useful Improvement in Washing-Machines, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improvement in washing-machines; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a washing-machine embodying my invention. Fig. 2 is a vertical longitudinal sectional view of the same. Fig. 3 is a vertical transverse sectional view.

A represents a rectangular vessel or tub, which consists of the sides B, the metallic bottom and ends C, which are formed of a single piece and inserted in grooves cut in the inner sides of the sides B. Transverse rods D extend across between the sides B and on the outer sides of the ends and bottom of the boiler, and are provided with nuts that are screwed on their protruding ends, and thereby clamp the metallic bottom and ends between the sides. The ends are curved, as shown.

E represents a rubber, which is composed of the side bars, F, and the connecting transverse rollers G, that are journaled in between the side bars, as shown. These side bars and their rollers are preferably made of wood, so as not to be affected by the boiling water.

On the upper edges of the sides B, near one end thereof, are secured downwardly-bearing flat springs H, in the free ends of which is journaled a wringer-shaft, I, having a crank, K.

L represents a roller, which is cylindrical in shape, and is of a length corresponding to the distance between the sides of the boiler. The periphery of this roller is corrugated, as shown, and between these corrugations are cut openings or slots N. A bail or handle, O, is journaled upon the projecting ends of the shaft of the roller L, and in between the side arms

of this bail is secured a counter-weight, P, which is adapted to balance the roller L on the upper edge of one of the ends of the boiler in the position shown in Fig. 2, out of the way of the operator.

The operation of my invention is as follows: The boiler is placed on a suitable stove, furnace, or heater, and a suitable quantity of water is placed therein. The clothes to be washed are placed in layers upon the rubber E and rubbed with soap in sufficient quantities. When the water reaches the boiling-point, the roller L is moved back and forth over the clothes, and the action of this roller, in connection with the boiling suds, is such as to disintegrate the dirt and loosen it from the clothes. The water is then drawn off from the boiler and replaced with pure water and the operation repeated for a short time, which thoroughly rinses the clothes, which are then taken out through the wringer, which is done by turning the crank with the right hand and lifting and regulating the clothes with the left. The water wrung from the clothes falls back into the boiler.

By providing the rubber E with the journaled rollers D the machine is prevented from tearing off the buttons from the garments as the roller is worked back and forth over them.

Having thus described my invention, I claim—

1. In combination with the boiler A, the roller L, having the bail N, and the counter-weight P, to balance the roller on one end of the boiler, substantially as described.

2. The combination, with the boiler A, having the transverse rollers G, of the roller L, having the peripheral corrugations and the intermediate slots, the bail N, and the counter-weight P, whereby the roller may be balanced on the end wall of the boiler, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN FRANKLIN PINKERTON.

Witnesses:

I. P. LAWSON,
J. B. B. McNUTT.