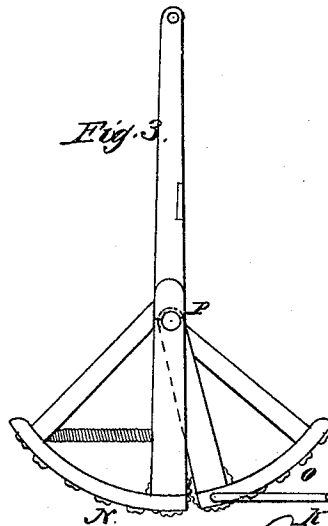
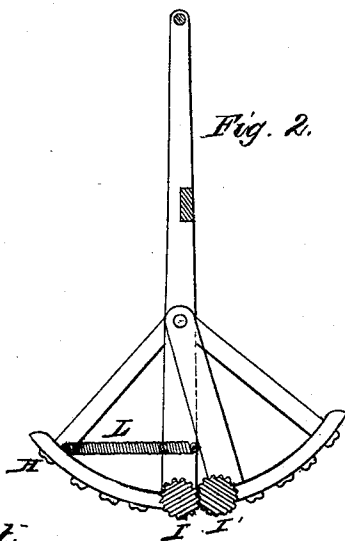
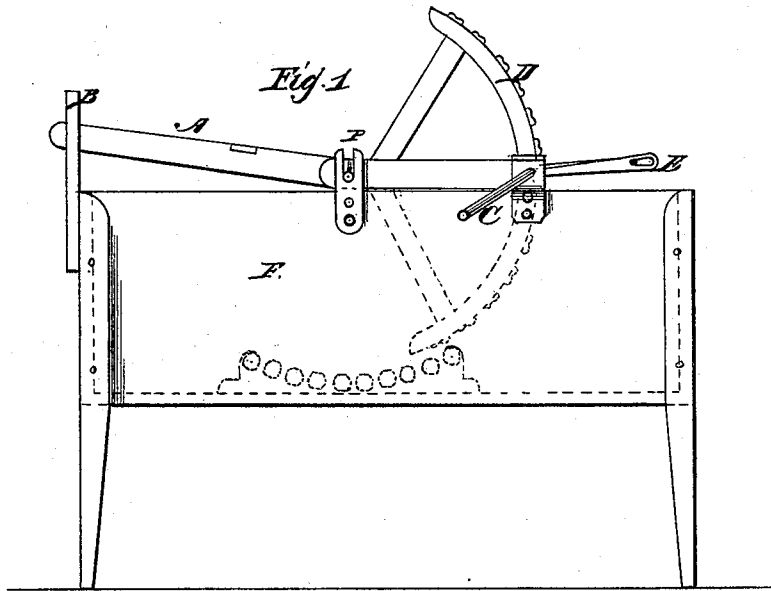


J. LOWTH.

Improvement in Washing-Machines.

No. 131,172.

Patented Sep. 10, 1872.



Attest:
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James Lowth.

UNITED STATES PATENT OFFICE.

JAMES LOWTH, OF COLUMBUS, WISCONSIN.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 131,172, dated September 10, 1872.

SPECIFICATION.

I, JAMES LOWTH, of Columbus, county of Columbia and State of Wisconsin, have invented certain Improvements in Washing-Machines, of which the following is a specification:

The nature and object of my invention are to construct a machine for washing clothes; the machine having convex and concave rubbers, and so arranged as to wash any desired spot in the clothes, and to hold the clothes in proper position while being rubbed.

Description of Accompanying Drawing.

Figure 1 is a side view of the machine. Fig. 2 is a cross-section of convex rubber. Fig. 3 is an end view of convex rubber.

General Description.

Fig. 1, D is a convex rubber in two parts. (See Figs. 2 and 3.) B is a spring-clutch to hold the handle A in such a position that the center of roller, Fig. 2, I', is in line with the bearing of the outside crank C. E is the inside arm of outside crank C, with slot in the end to admit crank K of the roller I'. In Fig. 2, I I' are grooved rollers, one being in one side of the convex rubber, and the other in the other side, and the grooves in said rollers meshing together like cogs. L is a wire spring to hold the two parts of the convex rubber together. In Fig. 3, N represents the stationary part of the convex rubber; O, the movable part, turning on pivot at P.

The operation of the machine is as follows:

The handle A is pressed down until held by the spring B. This throws the center of the roller, Fig. 2, I', in line with the bearing of the crank C, Fig. 1. Then, by turning the crank, the rollers are turned; pass the clothing as far through between the rollers as required; press back the spring B, Fig. 1, and raise the handle. The clothes are then washed by rubbing to and fro.

The roller I', Fig. 3, is provided with crank K, with the point on the end turned at right angles with the crank. This point fits in a slot in the end of the inside arm of the crank C, Fig. 1. The crank C, Fig. 1, is attached to the frame of the machine. When the axis of roller I', Fig. 2, is in line with the bearing of the crank, said crank turns the rollers; but, as the convex rubber is also to have motion on the pivot P, Fig. 1, the roller-crank K, Fig. 3, and the inside arm E, Fig. 1, of the outside crank are provided with a slot, which admits of such motion.

Claim.

I claim as my invention—

The rubber, made in two parts, with a grooved roller in each, held in contact by springs, combined with a double-folding crank attached to one of said rollers, and a catch for holding rubber in position, substantially as and for the purpose hereinbefore set forth.

JAMES LOWTH.

In presence of—

HARVEY ROWELL,
ISRAEL SMITH.