

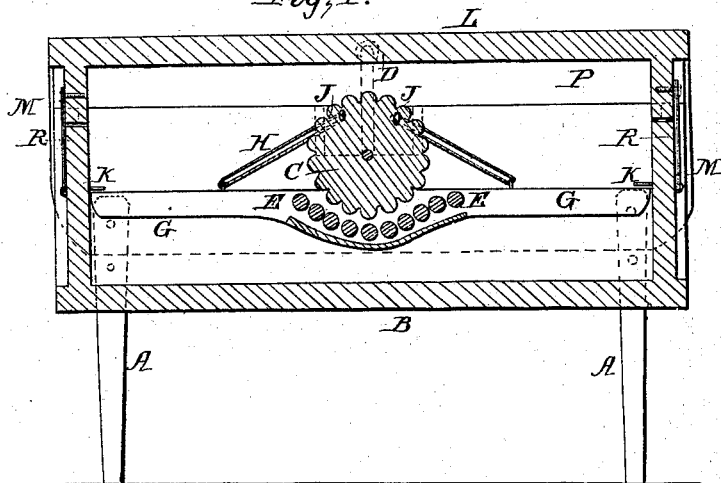
J. T. Hagerty,

Washing Machine.

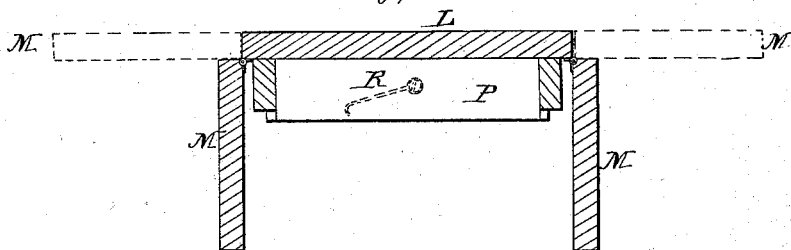
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Patented Aug. 22, 1865.

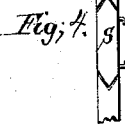
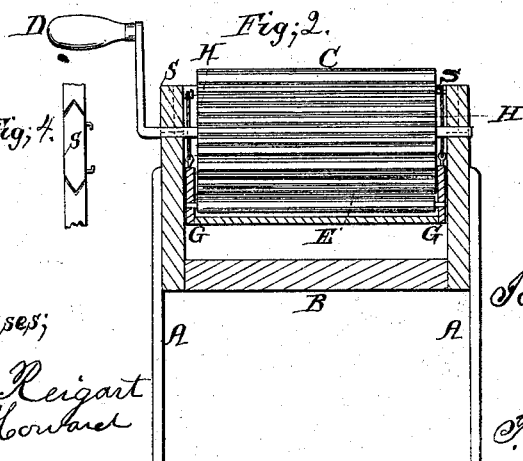
Fig; 1.



Fig; 3.



Fig; 2.



Witnesses;
Daniel Reigart
Geo. M. Howard

Inventor;
John T. Hagerty
By His Attorney
J. Franklin Reigart

UNITED STATES PATENT OFFICE.

JOHN T. HAGERTY, OF CAMP POINT, ILLINOIS.

WASHING-MACHINE AND WRINGER.

Specification forming part of Letters Patent No. 49,519, dated August 22, 1865.

To all whom it may concern:

Be it known that I, JOHN T. HAGERTY, of Camp Point, Adams county, State of Illinois, have invented a new and useful Washing-Machine; and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in suspending the arms G, with the bed of concave rollers E, by four or more elastic springs.

Figure 1 represents a side view of the table and washing-machine combined; Fig. 2, an end view; Fig. 3, a view of the movable lid; Fig. 4, a top view of the adjustable slide.

A represents the legs that support the square-shaped box B of the washing-machine. Across the center of the box is a grooved roller, C, operated by a crank-handle, D, at the side. Underneath the roller C is a series of rollers, E E, set concave with the upper roller, C. These rollers are supported at their ends (and work independently and loosely) in two long side arms, G G, suspended horizontally, one on each side of the machine, by two elastic springs or india-rubber belts, H H, each spring hanging looped or buckled on a hook, J, at the side, the arms G and concave E thus having a yielding motion corresponding with the thickness of the cloth as it is rubbed or passed between the rollers C and E, the upper roller, C, serving as a rubber, or, by its revolution, drawing the cloth between it (the roller C) and the concave E. Projecting pins K serve to prevent the ends of the arms G from rising above their proper level or horizontal line.

L is the movable lid, with its hinged side or leaves M M, to be raised and form a good-sized

kitchen or ironing table. This lid has a square frame, P, that rests and fits upon the top of the box B, and is fastened and held by hooks and eyes R to the box B.

S represents the adjustable upright sliding gate, that operates on each side of the box B so as to be slightly raised to tighten and regulate the springs H when required, or when necessary to take out the roller C.

After the clothes are washed I then tighten the springs H H and shorten them by doubling the upper end of the elastic spring several times around the hook J, (or shorten them by a buckle or loop, as most convenient,) and by shortening these springs H the concave rollers E E are drawn up and closer to the roller C, and the machine then is stiffened in its yielding motion, and can be used as a clothes-wringer. The wet clothes are passed and pressed between the roller C and concave E, (as in washing,) but receiving a tight pressure, so as to wring or rinse the clothes sufficiently for drying.

The advantages of this machine are that it does not wear or tear the clothes, easy to operate, and simple in construction, and useful as a washing, wringing, and ironing machine combined.

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

Suspending the arms G, with the bed of concave rollers E, by four or more elastic springs, H, as herein described, and for the purposes set forth.

J. T. HAGERTY.

Witnesses:

SILAS BAILEY,
W. GREENHUGH.