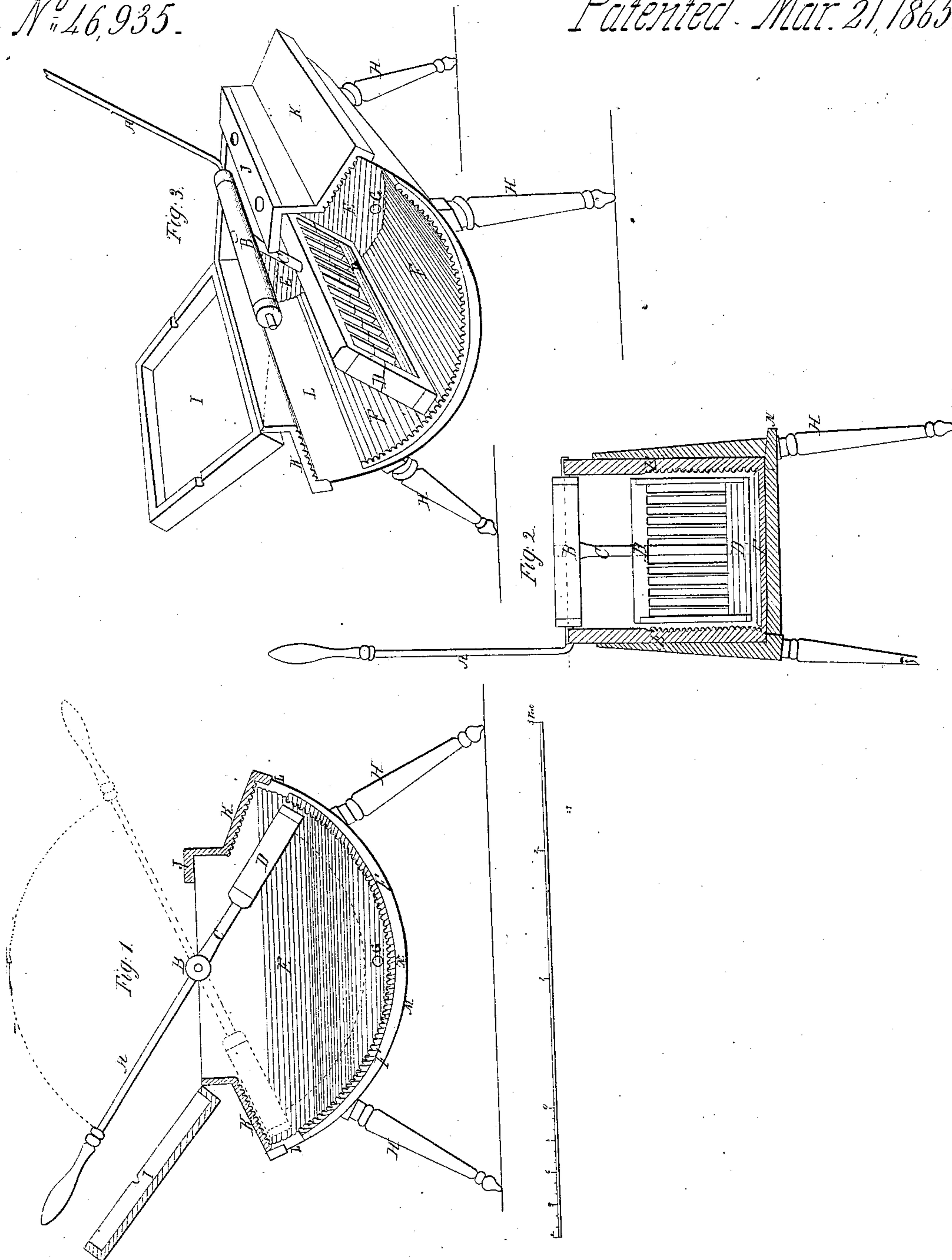


Perry & Woodward,

Washing Machine,

Patented Mar. 21, 1865.

N^o 46,935.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM H. PERRY AND WALLACE WOODWORTH, OF LOS ANGELES,
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IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 46,935, dated March 21, 1865.

To all whom it may concern:

Be it known that we, WILLIAM H. PERRY and WALLACE WOODWORTH, of the city of Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Improvement in Washing-Machines; and we do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figures 1 and 2 represent vertical sections of an improved washing-machine, the planes in which the respective views are taken being at right angles with each other. Fig. 3 is a perspective view of the same with one of the side pieces removed to expose the interior.

Similar letters of reference indicate corresponding parts in the three figures.

This invention relates to a washing-machine in which the foul water and sediment expressed from the clothes is caused to enter a chamber in which the sediment is deposited and retained, but from which the water, after being freed from the sediment, is by the action of the paddle and clothes forced back into the tub in a clean condition, as will be hereinafter fully explained.

The following description will enable others skilled in the art to which our invention appertains to fully understand and use the same.

The different parts of the machine are designated by letters, as follows: A is a lever; B, a wooden shaft, to which the lever and paddle are attached; C, the handle of the paddle; D, the paddle-frame; E, the sides of the machine; F, the bottom; G, the spout to let out the suds when required; H, the legs; I, the lid; J, the top piece exclusive of the lid; K, the ends of the machine; L, recesses between the ends of the bottom F and the end pieces, K. The bottom F is beaded or corrugated and forms the segment of a circle of which the shaft B may be said to be the center. The outside of the machine is composed of zinc, the ends of which are inserted and secured in the end pieces, K, and the zinc also has the form of the segment of a circle, whose center is about three-fourths of an inch below the center of the circle of which the bottom F is a segment, and whose radius is the same as that of the last-mentioned circle, thus leaving a chamber, M, about three-fourths of an inch deep in the center or bot-

tom of the machine, and with outlets at L L of about three eighths of an inch. The purposes of this arrangement are these: During the operation of the machine the paddle D squeezes the clothes against the corrugated surface of K, and the foul water which is thereby expressed passes into the chamber M, in which is deposited the sediment taken from the clothes, and while there is never agitation in the chamber sufficient to throw out this sediment or prevent it from being deposited the water is constantly being renewed in the chamber, as the injection by the stroke of the paddle at one mouth ejects a like quantity at the other. The chamber M may at any time be cleansed by drawing off its contents by a stop-cock in the spout N.

The shaft B works in suitable boxes set in the center of the top of sides E, and is held to its place by the lid when closed and fastened at the side next to J.

The washing is done by first filling the machine with soap-suds to the top of the blue shade in Fig. 1. Let the lever E and paddles D stand perpendicularly; then put into the machine an equal quantity of clothes on each side of the paddle; then close and secure the lid; move the lever forth and back at each stroke, pressing the clothes up to and against the suds K with sufficient force to press the suds through and out of the clothes. The clothes, being partially pressed into the recess L, are prevented from falling until those on the other side sink into the suds again, which they do with a rotary motion, constantly exposing a new surface to the direct action of the paddle D, the suction of the paddle also assisting in opening and respreading the clothes. The foul particles contained in the clothes are constantly carried with the expressed suds into the mouth of M and lodge in the bottom thereof.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

Providing a washing-machine with a chamber, M, to receive the water after it has been expressed from the clothes and retain the sediment, substantially as described.

W. H. PERRY.

W. WOODWORTH.

Witnesses:

JAMES H. LANDER,

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