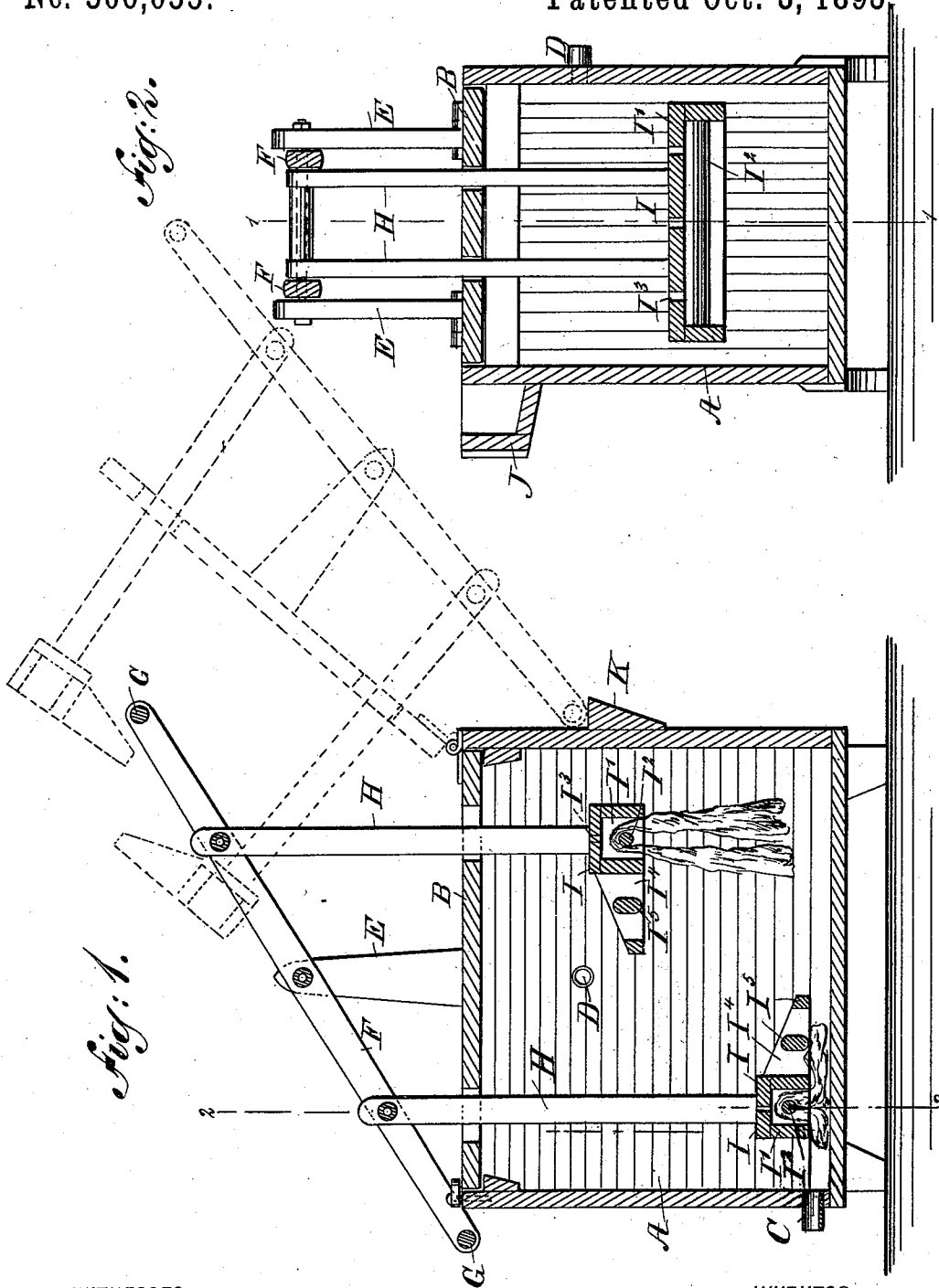


(No Model.)

M. A. MARKS.
WASHING MACHINE.

No. 506,055.

Patented Oct. 3, 1893.



WITNESSES:

WITNESSES:
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UNITED STATES PATENT OFFICE.

MARY A. MARKS, OF TOLEDO, OHIO.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 506,055, dated October 3, 1893.

Application filed December 28, 1892. Serial No. 456,529. (No model.)

To all whom it may concern:

Be it known that I, MARY A. MARKS, of Toledo, in the county of Lucas and State of Ohio, have invented a new and Improved Washing-Machine, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved washing machine, which is simple and durable in construction, very effective in operation, and arranged to thoroughly wash the clothing without injuring the same and without requiring any boiling either before or after the washing.

The invention consists of certain parts and details, and combinations of the same, as will be hereinafter described, and then pointed out in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a sectional side elevation of the improvement on the line 1—1 of Fig. 2; and Fig. 2 is a transverse section of the same on the line 2—2 of Fig. 1.

The improved washing machine is provided with a suitable-constructed casing or box A, having a lid B, preferably hinged as shown and supported on cleats at its free end, as plainly illustrated in Fig. 1. In the lower end of the box A is arranged an outlet spout C, closed by a cork or other suitable bung which, when removed, serves to draw out the water or suds from the casing A. In one side of the casing and near the top of the same is arranged a steam inlet D, which introduces steam into the casing to assist in removing the dirt from the clothing by steaming the same.

On the top of the lid B are secured standards E, in which is journaled a lever F, pivotally connected with plungers H, extending through apertures in the lid B, the lower ends of the said plungers within the casing being provided with carriers I, for supporting the clothing. Each carrier I is preferably made in the shape of a casing I', open at the bottom and provided with a transversely extending rod I², onto which the clothing is hung, so that the lower ends of the clothing extend through the open bottom of the cas-

ing into the box A. In the top of the casing I' are arranged apertures I³, to permit the water to pass in and out of the casing when the latter moves down or upward. From the innermost sides of the casing I' extend longitudinal arms I⁴, also provided with transverse rods I⁵, for conveniently supporting clothing hung on the said rod similarly to the clothing on the rod I².

The lever F is provided at its ends with suitable handles G, for conveniently imparting a swinging motion to the said lever so that the plungers H alternately move up and down, thus moving the carriers I supporting the clothing, upward and downward, to move the same in and out of the water or suds and when in a lowermost position to press the clothing onto the bottom of the box A, as illustrated to the left in Fig. 1. It will be seen that by this up and down movement of the carriers I, the clothing is first moved into the water or suds to be saturated, then pressed on when the carrier is in a lowermost position and when the carrier moves upward, the clothing is rinsed to readily disengage the dirt previously loosened by the forcible downward movement in the water, and the pressing previously mentioned. It is understood that no rubbing of the clothing whatever takes place, but first a saturating, then a pressing, and then a rinsing to remove the dirt, as above described.

On one side of the casing A is arranged a suitable support J for the wringer, so as to pass the clothing directly from the carriers to the wringer, in the usual manner. It will be seen that by this arrangement the clothing is thoroughly and rapidly washed without injuring the same.

In order to readily hang the clothing onto the carriers I, the lid B is swung back as shown in dotted lines in Fig. 1, with one of the handles G resting on a cleat K fastened to one end of the box A. The carriers I are then in an uppermost position to permit the operator to conveniently hang the clothing onto the several rods I² and I⁵.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

A washing machine comprising the suds box having a lid, a standard on the middle of the

lid, a lever F pivoted between its ends on said
standard; plungers extending from the lever
F, through apertures in the lid, the clothing
carriers on the lower ends of the plungers and
5 each consisting of a casing I' open at its bot-
tom, provided in its top with apertures I³ and
having within it a rod I², longitudinal arms I⁴

extending from said casing and also provided
with transverse rods I⁵, substantially as set
forth.

MARY A. MARKS.

Witnesses:

ARION F. WILSON,
PEARL WILSON.