

A. A. CASLER.
WASHING MACHINE.

Patented Dec. 29, 1891.



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UNITED STATES PATENT OFFICE.

ALONZO ABRAM CASLER, OF OTTO, NEW YORK.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 466,002, dated December 29, 1891.

Application filed July 8, 1891. Serial No. 398,786. (No model.)

To all whom it may concern:

Be it known that I, ALONZO ABRAM CASLER, a citizen of the United States, residing at Otto, in the county of Cattaraugus, New York, have invented a new and useful Washing-Machine, of which the following is a specification.

The invention relates to improvements in washing-machines.

10 The object of the present invention is to simplify and improve the construction of oscillating washing-machines and to increase their efficiency, and to enable dirt and stains to be entirely removed from clothes.

15 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

20 In the drawings, Figure 1 is a side elevation of a washing-machine embodying the invention. Fig. 2 is an enlarged central vertical longitudinal sectional view of the body with the supporting-standards removed. Fig. 25 3 is an enlarged transverse sectional view on line X X of Fig. 2.

Referring to the accompanying drawings, 1 designates an approximately semi-cylindrical washing-machine body consisting of segmental sides 2 and a curved sheet-metal bottom 3, secured to the curved edges of the segmental sides, and the curved sides are connected by intermediate cross-bars 4 and end cross-bars 5. The washing-machine body is journaled at 6^a between vertical standards 6 and is adapted to oscillate, and it is provided at its top with a removable cover 7 and stationary end sections 8. The vertical standards 6 are provided at their lower ends with feet 9 and are connected by round bars 10, and one of the standards is provided with an opening, in which is arranged a pin 11, adapted to engage an opening 12 of the lower end of an operating-handle 13 to hold the washing-machine body stationary.

45 The washing-machine body is provided with a false bottom 14, arranged a short distance from and parallel with the curved sheet-metal bottom 3 and forming a water-space between

it and the sheet-metal bottom, and it is secured to curved ribs 15 and cross-pieces 15^a, and it consists of a series of curved boards 16 and slats 17, arranged between the curved boards and provided with perforations 18 to permit the passage of water to the space 19 beneath the false bottom. The end boards are provided with enlarged circular openings 20, and when the washing-machine body is oscillated water runs down the space and is forced through the openings and perforations into clothes and at the same time water from the high end of the machine passes through the openings and perforations and falls upon the clothes. By this arrangement water and suds are thoroughly forced through the clothes and the machine is rendered capable of entirely removing dirt and stains. Further, to assist in the operation of washing, the end sections 8 of the top of the machine are provided with pounders 21, consisting of inner and outer sheet-metal cones, which are secured to bars 22, secured to the lower faces of the end sections 8 and having their lower faces rounded. When the machine is oscillated by the operating-handle 13, water and suds are forced through the clothes, as before described, and the clothes, falling from one end of the body to the other, are brought into contact with the pounders 21, and the water and suds are by these means thoroughly agitated and forced through the clothes.

From the foregoing description and the accompanying drawings the construction, operation, and advantages of the invention will be readily understood.

A wringer-board 23 is arranged at one side of the opening in the top of the body and is braced by brackets 24, secured to the adjacent top section 8 and to the wringer-board. The cover 7 may be reversed and arranged on the said top section 8, with one edge resting upon the wringer-board to form an incline to facilitate the feeding of clothes to a wringer.

Handles 25 are provided to enable the washing-machine to be readily moved, and they extend laterally from the standards 6.

What I claim is—

In a washing-machine, the combination of
suitable standards, an oscillating body jour-
naled between the standards, and the pound-
ers arranged at the end of the body and se-
5 cured to the top thereof and consisting of the
sheet-metal cones, substantially as described.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in
presence of two witnesses.

ALONZO ABRAM CASLER.

Witnesses:

JOHN TINBY,
W. M. BABCOCK.