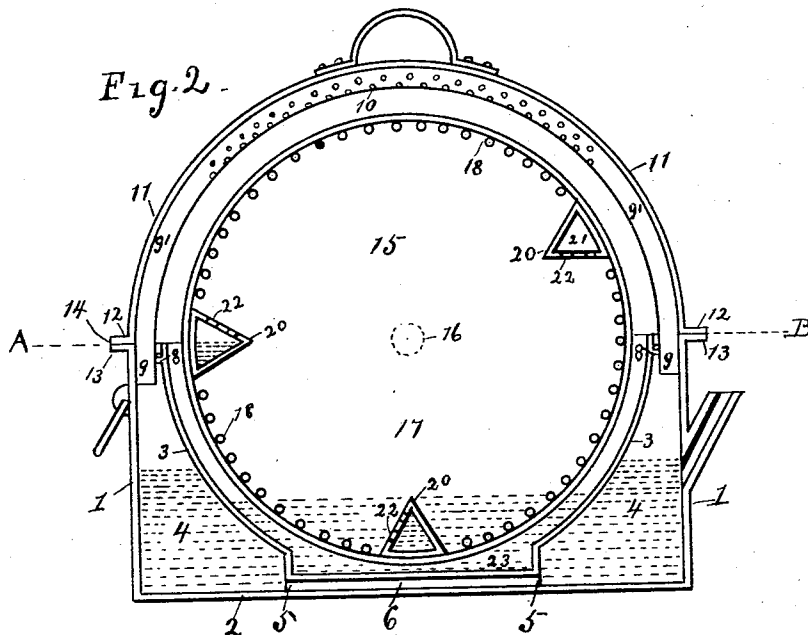
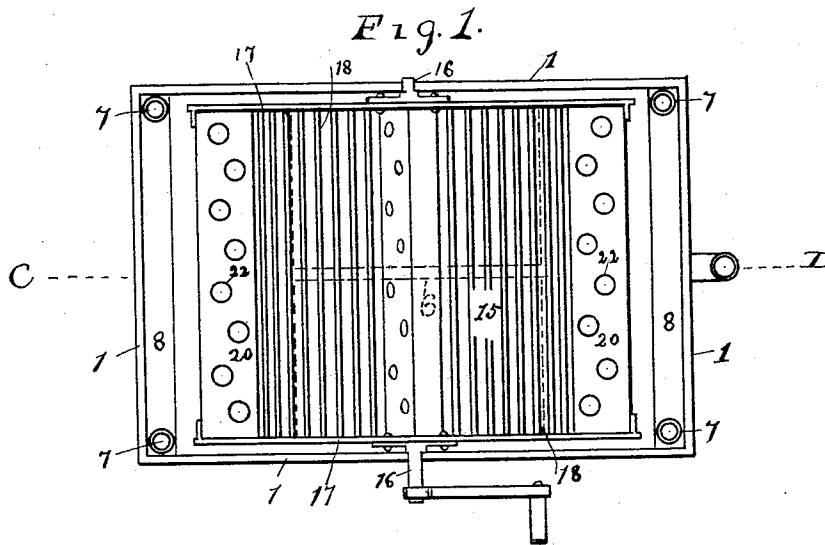


(No Model.)

J. W. STALLINGS.
WASHING MACHINE.

No. 580,065.

Patented Apr. 6, 1897.



Witnesses.
John C. Robertson.
Jon. E. Cockrell

Inventor, James W. Stallings.
per *L. H. Lewis.*
Attorney

UNITED STATES PATENT OFFICE.

JAMES W. STALLINGS, OF DALLAS, TEXAS.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 580,065, dated April 6, 1897.

Application filed February 24, 1896. Serial No. 580,377. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. STALLINGS, of Dallas, in the county of Dallas, State of Texas, have invented a new and useful Improvement in Steam Washing-Machines, of which the following is a specification.

My invention consists in the construction, novel combination, and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and particularly pointed out in the claim.

In the drawings, Figure 1 is a plan view of my device through Fig. 2 from A to B. Fig. 2 is a vertical section through Fig. 1 from C to D.

Similar numerals of reference refer to similar parts throughout the two views.

The numerals 1 are the walls of the body part of the device, provided with a bottom 2, to which is secured the base of the inner walls 3 of the steam-chests 4, which extend entirely across the inner side of the device and are secured at their two ends to the side walls of same. Near the base of the inner walls of two steam-chests are cut two holes 5 5, in which is inserted a pipe 6, (shown in dotted lines in Fig. 1,) which is open at each end, thus connecting the two steam-chests, which also have two holes 7 each, cut through their upper walls 8, into which are inserted the four ends 9 of the two curved pipes 9', having perforations 10 at their lower sides and rigidly secured at their upper sides to the top or cover for the device 11, which is provided with flanges 12, which rest on the flanges 13 of the body part of the device. The pipe ends 9, entering a considerable distance through the holes 7 in the roof of the steam-chest and fitting snugly therein, serve to align and locate the top or cover 11 and hold it securely thereon. At the same time the cover can be readily removed by the handle 14. The flanges 12 and 13 form, as will readily be seen, a substantially steam-tight box.

On the inner side of the device is a revolving drum 15, provided with axle 16, resting on the flanges 13 and having heads 17, with

ribs 18 secured thereto. At equal distances around the inner side of said drum are placed angular boxes 20, provided with heads 21 at each end and having several holes 22 cut through one of the walls of each.

As to the operation of my device, it is placed on a stove or otherwise heated from the bottom. Water is placed in the drum-receptacle 23 and in the two steam-chests 4. The steam engendered in said chests escapes through the perforated pipe 9' and is ejected through perforations 10, coming in contact with the fabric to be washed contained in the revolving drum, which is provided with a suitable opening for putting in or taking out the fabric. When the drum is revolved, water is received on the inner sides of the angular boxes 20 through holes 22 when they are at their lowest point, and when they are brought in a certain position the water contained in them passes out through the holes and falls on the fabric in such a manner as to rapidly cleanse them. The angular boxes will further agitate the contents of the drum and produce the friction necessary for rapid cleansing.

Having thus described all which is necessary for a clear understanding by those skilled in the art to which it appertains, what I claim, and desire to secure by Letters Patent of the United States, is—

In a washing device, the combination of a revolving drum or clothes-carrier, of a steam-chest having its inner sides adjacent the drum curved concentrically with said drum, and having perforations in its roof, of a removable cover having perforated steam-pipes curved concentrically with said drum and having projecting ends adapted to enter the perforations in the roof of the steam-chest so as to locate and retain said cover thereon, said steam-chest and cover having edges adapted to register and form a substantially steam-tight box, substantially as described.

JAMES W. STALLINGS.

Witnesses:

J. E. COCKRELL,
JOHN C. ROBERTSON.