RINSING AND DRYING MACHINE.

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To all whom it may concern:

Be it hereby known that I, William E. Pinckney, a citizen of the United States, and a resident of Portland, in the county of Multnomah and State of Oregon, have invented a new and useful Rinsing and Drying Machine, of which the following is a specification.

This invention relates generally to the rinsing and drying of clothes for laundering purposes, and particularly to a special form of centrifugal device and means for supplying rinsing water to the clothes.

The first object of this invention is to provide an exceedingly simple and efficient means for rinsing clothes by forcing out the soap water therefrom by means of a rotating spray.

The second object is to provide a reversible cover member having a filler cap provided thereon of which water can be admitted through a hose, or, when removed, the neck, which ordinarily holds the filler cap, is used as a discharge tip for a funnel consisting of the cover itself, in which form the device is employed where a hose or special filling faucet is not available.

These, and other objects, will become more apparent from the specification following as illustrated in the accompanying drawings, in which:

Figure 1 is a vertical section through the device of which Figure 2 is a plan with the cover removed. Figure 3 is a fragmentary vertical section of the upper portion of the device showing the cover with the filler cap uppermost.

Similar numbers of reference refer to the same parts throughout the views.

Referring in detail to the drawing, the device consists of a square container comprising the sides 10 and bottom 11, which container is supported on the upright legs 12 which are joined together by the cross ties 13 and 14. A waste pipe 15 in the bottom 11 may be connected with the sewer or lead into a suitable receptacle, as desired.

In the center of the square bottom 11 is placed a bearing 16 provided with packing 17, a gland 18 and a stuffing box nut 19. The shaft 20, which journals in the bearing 16, is driven from below by means of the helical gears 21 and 22, or in any other convenient manner.

On the tapered upper end 23 of the shaft 20 is mounted the cylindrical basket 24 having a somewhat raised center 25 above which projects the threaded end 26. The basket 24 is perforated on its outer side with the holes 27, which is also the case with the bottom of the basket 24. The upper edge 28 of the basket 24 is preferably turned, as shown.

On the projecting threaded end 26 is screwed the cylindrical sprinkler head 29 whose perforations 30 are of such number and size as to furnish proper distribution of the water and its forcible projection against the clothes 31 in the basket 24.

In order to provide a means for supplying water to the sprinkler head, with or without the use of a hose, a special form of cover is constructed consisting of the sloping members 32 and the vertical side walls 33. A flange 34 extends around the middle of the side walls 33 and forms a support for the cover in either its natural or inverted position by resting upon the members 14.

The neck 35 in the center of the cover is provided with a filler cap 36 through which water may be injected into the machine by means of a hose. The cap 36 is preferably put in place only when the machine is not in operation. When in an inverted position the neck 35 projects downwardly into the sprinkler head 29.

The operation of the device is as follows: When rinsing clothes they are distributed around the basket and the cover put in place in the position shown in Figure 1, and rinsing water is poured into the sprinkler head. The basket 24, it will be understood, is now being rotated at a speed sufficient to expel the rinsing water from the clothes, and at the same time drive the soapy water before it, this water being carried away by means of the waste pipe 15.

Whenever the supply of water to the sprinkler head is cut off, the rinsing water in the clothes gradually grows less in quantity until the clothes are ready for the line.

I am aware that many forms of centrifugal drying machines have been constructed in the past; I therefore do not intend to cover the invention herein described and shown, nor all such forms and modifications thereof as are included in the appended claims.

I claim:

In a rinsing and drying machine, the combination of a square water container having an outlet in the bottom thereof and hav-
ing an invertible cover removably placed thereon, said cover having a central neck provided with a removable cap; a vertical shaft passing upwardly through the bottom of said container, said shaft having portions which extend upwardly into said container that are tapered and threaded; a perforated basket mounted on the tapered portion of said shaft; a sprinkler head on the threaded end of said shaft acting as a nut to hold said basket in place on said shaft in a manner to rotate with said basket and to discharge water and air tangentially against the clothes lying against the sides of said basket.

WILLIAM E. PINCKNEY.