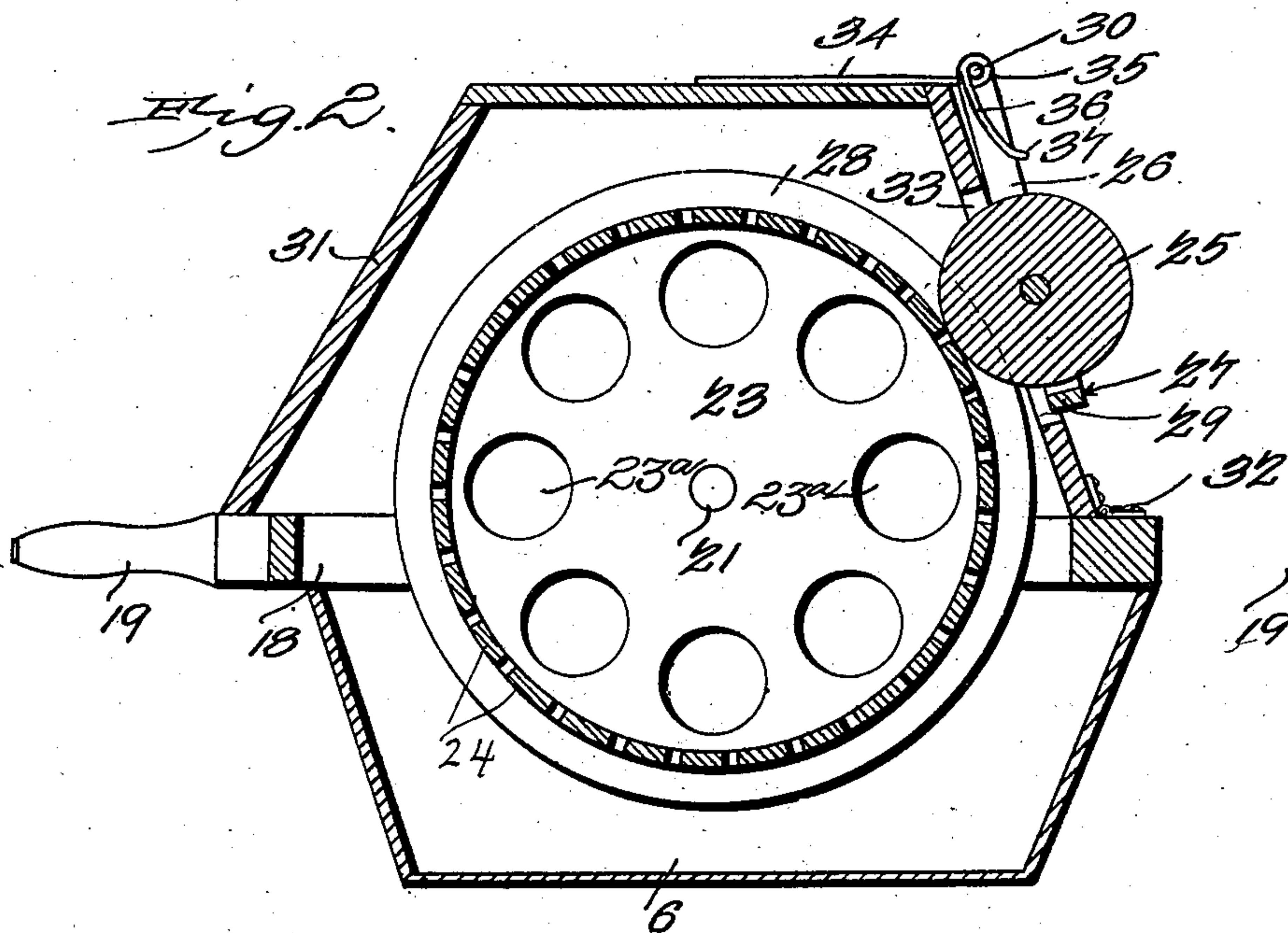
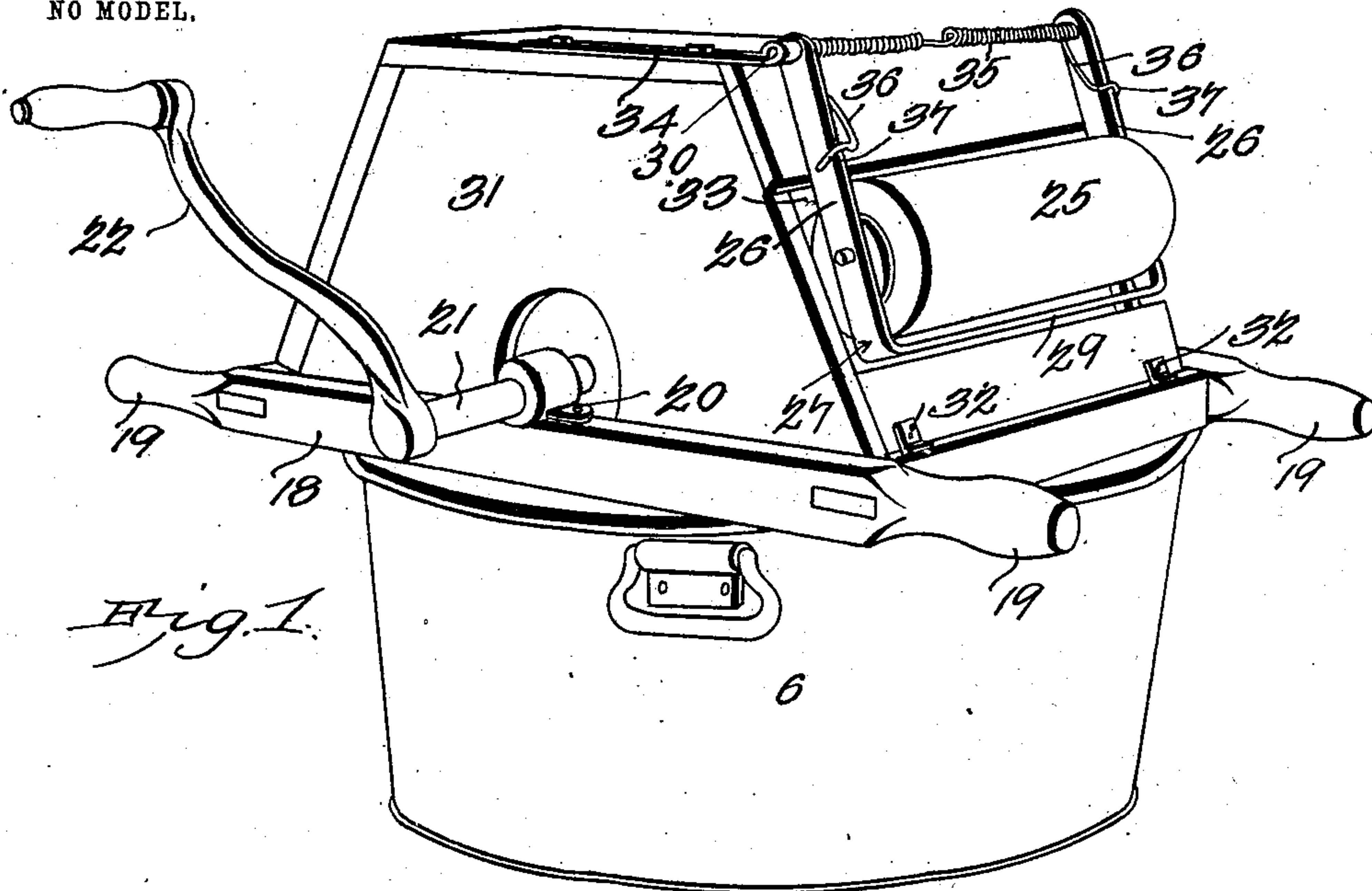


No. 724,446.

PATENTED APR. 7, 1903.

N. DENSLER.
WASHING MACHINE.
APPLICATION FILED JAN. 6, 1902.

NO MODEL.



Witnesses
E. C. Stewart
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UNITED STATES PATENT OFFICE.

NAT DENSLER, OF BOWIE, TEXAS.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 724,446, dated April 7, 1903.

Application filed January 6, 1902. Serial No. 88,641. (No model.)

To all whom it may concern:

Be it known that I, NAT DENSLER, a citizen of the United States, residing at Bowie, in the county of Montague and State of Texas, have invented a new and useful Washing-Machine, of which the following is a specification.

The invention relates to improvements in washing-machines.

The object of the present invention is to improve the construction of washing-machines and to provide an exceedingly simple and inexpensive one capable of enabling the operation of washing to be rapidly and thoroughly performed without injuring the fabrics and at the expenditure of a minimum amount of labor.

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 claims hereto appended.

In the drawings, Figure 1 is a perspective view of a washing-machine constructed in accordance with this invention. Fig. 2 is a vertical longitudinal sectional view of the same.

Like numerals of reference designate corresponding parts in both figures of the drawings.

6 designates a tub, upon which the washing-machine is mounted and which receives and supports a rectangular frame 18, composed of side and end bars and provided with handles 19, formed by extensions of the side bars. The frame 18 is provided at opposite sides with bearings 20 for the reception of the transverse shaft 21, provided with a handle 22 and carrying a rotary drum or cylinder 23 and composed of heads or ends and transverse slats 24, adapted to receive the clothes and spaced apart to provide openings for the passage of the water expelled from the clothes or other fabrics. The heads or ends, which are suitably secured to the transverse shaft 21, are provided with suitable openings 23^a for the passage of water and suds, and they extend outward beyond the slots to provide projecting annular flanges 28. The clothes are engaged by a roll 25, mounted be-

tween the sides 26 of a hinged frame 27 and adapted as the drum or cylinder is rotated to squeeze the clothes. The roll 25 of the hinged frame 27 extends between the projecting annular flanges 28 of the rotary drum or cylinder 23.

The frame, which is provided with a transverse bar or portion 29, is hinged at the top by means of a pintle 30 to a cover 31, which is also hinged at one end at 32 to the frame 18, and the said cover is provided at its hinged end with an opening 33, through which the roll projects. The pintle, which hinges the frame 26 to the cover, passes through perforations of the sides of the same and through eyes of straps or bars 34 and receives a spring or springs 35. The springs 35 have inwardly-extending inner terminals for engaging the top of the cover, and the outer terminals are extended to form arms 36 for engaging the sides of the roll-carrying frame. The inner terminals 37, which fit against the upper face or top of the cover may, if desired, be secured to the same. The springs operate to press the roll against the clothes for expelling water therefrom, and the roll-carrying frame is adapted to be swung outward on its pintle, or the cover may be swung backward to carry it and the roll away from the cylinder or drum.

It will be seen that the washing-machine is exceedingly simple and inexpensive in construction, that it is easily operated, and that it is capable of rapidly and thoroughly washing clothes and other fabrics.

What I claim is—

1. In a washing-machine, the combination of a rotary drum adapted to carry the clothes, a hinged cover arranged over the drum and provided with an opening, a frame hinged to the exterior of the cover, a roll mounted on the frame and extending through the opening of the cover, and a spring for actuating the frame, substantially as described.

2. In a washing-machine, the combination of a frame having bearings, a rotary drum journaled in the bearings of the frame and adapted to carry the clothes and provided with openings, a cover hinged to the frame and having an opening, a roll-carrying frame

hinged to the top of the cover at one end of
the same and extending downward, a roll
mounted in the roll-carrying frame and ex-
tending through the opening of the cover, and
5 a spring for actuating the roll-carrying frame,
substantially as described.

In testimony that I claim the foregoing as

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

NAT DENSLER.

Witnesses:

J. A. CUMMINS,

T. O. WILKINS.