

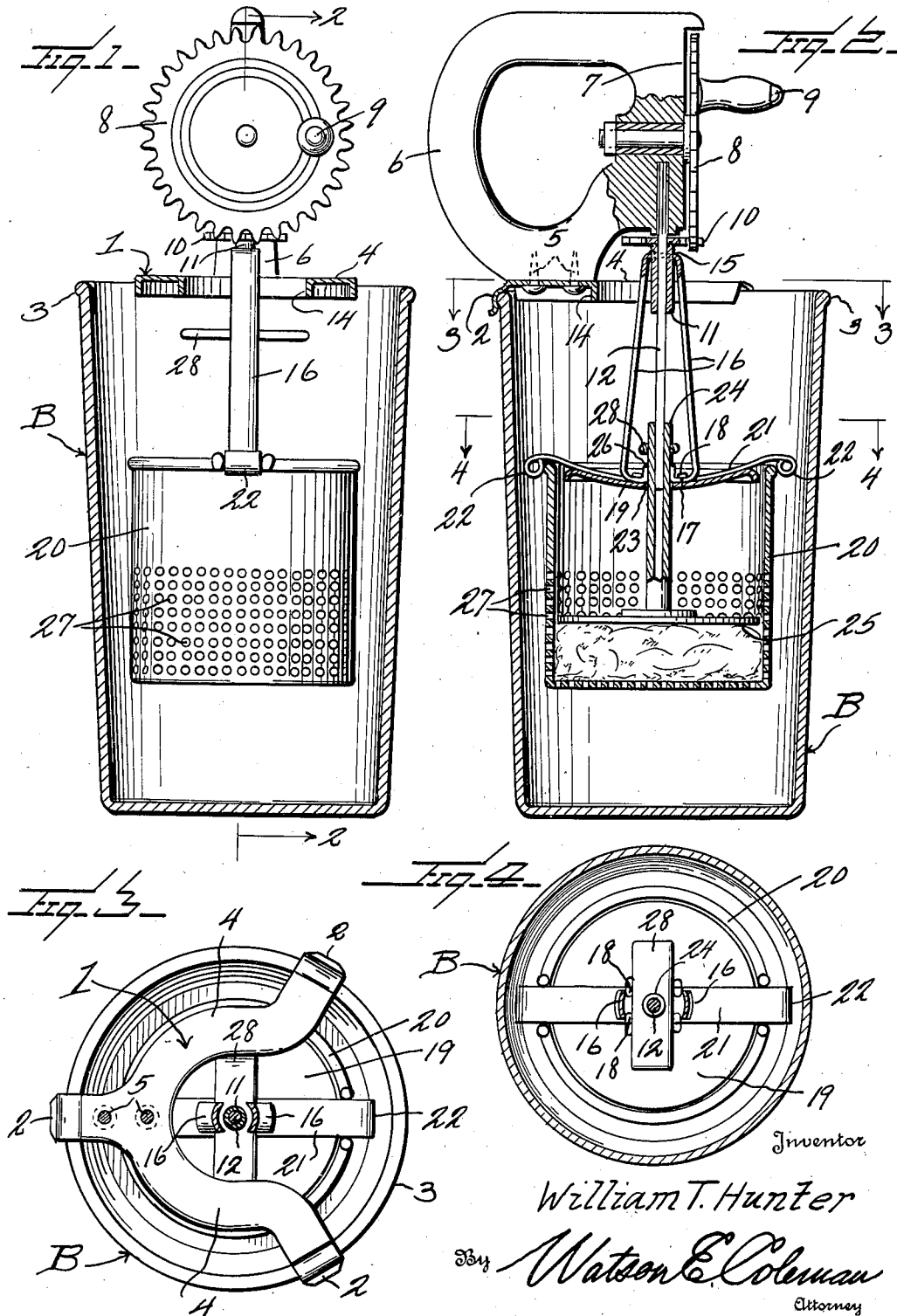
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WASHING APPARATUS

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WASHING APPARATUS

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This invention relates to a washing apparatus, and it is a particular object of the invention to provide a device of this kind which is readily portable and which is so constructed as to enable the same to be conveniently used in the washing of hosiery or other feminine dainty apparel without necessitating the usual inconvenience of regular laundering operations.

It is also an object of the invention to provide an apparatus of this kind which can be readily and conveniently employed in the cleansing of wearing apparel, such as hosiery, and which can also be employed to conveniently squeeze the articles after being washed.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved washing machine whereby certain important advantages are attained, as will be hereinafter more fully set forth.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawing, wherein:

Figure 1 is a view, partly in section and partly in side elevation, of a washing apparatus constructed in accordance with an embodiment of my invention, and in applied position upon a bowl, the pressing disk being raised;

Figure 2 is a sectional view taken substantially on the line 2—2 of Figure 1, the pressing disk being shown in a squeezing position;

Figure 3 is a sectional view taken substantially on the line 3—3 of Figure 2; and

Figure 4 is a sectional view taken substantially on the line 4—4 of Figure 2.

As disclosed in the accompanying drawing, B denotes a bowl of desired dimensions and configuration and which is adapted to contain a desired cleansing solution such as employed in the washing of silk and Nylon hosiery and other dainty articles for feminine wear. Resting on the top of the bowl B and detachably held thereto is a substantially Y-shaped base member 1 preferably of metal and having its free end portions formed to provide spring clips 2 which have detachable engagement with the upper or rim portion 3 of the bowl B. The base member 1 is so formed, as herein disclosed, to have the clips 2 substantially equi-distantly spaced around the axial center of the member 1 whereby an effective mounting of the member 1 upon the bowl B is assured. It is also believed to be apparent that while the clips 2 effectively hold the member 1

upon the bowl B, they allow the member 1 to be readily removed when desired.

The member 1, at the junction of its arms 4, has secured thereon by suitable fastening members 5 an upstanding hand grasp 6 of suitable design and dimensions which allows ready and convenient handling of the apparatus. This hand grasp 6 is disposed radially of the base member 1 and terminates slightly beyond the axial center of the member 1 and has a flat straight inner face 7 in parallelism with the axial center of the member 1.

Closely adjacent to this face 7 the hand grasp or handle member 6 rotatably carries a gear 8 of desired size and which is provided with an outstanding handle 9 whereby the gear 8 may be conveniently rotated when desired. This gear 8 meshes with a pinion 10 fixed to rotate with a sleeve 11 rotatably mounted upon the upper end portion of an elongated rod 12 carried by and depending from the hand grasp or handle member 6. This rod 12 is disposed at substantially the axial center of the base member 1 and extends down between the diverging arms 4. These arms 4 have their marginal portions defined by the depending strengthening flanges 14. The sleeve 11 is immediately adjacent to the hand grasp or handle member 6, and is also disposed through and has fixed thereto an intermediate connecting portion 15 for the upper ends of the opposed elongated arms 16. These arms 16 extend downwardly in desired divergence and have their lower extremities intumed, as at 17, to provide feet which are suitably secured, as at 18, to the central portion of a plate 19 which is adapted to be closely received within the upper portion of an inner bowl 20. This bowl 20 is considerably smaller than the outer bowl B and when the apparatus is in use this inner bowl 20 is completely housed within the outer bowl B, and preferably submerged within the cleansing solution within the bowl B.

This plate 19 has disposed radially thereacross a strip 21 extending therebeyond and having its extremities formed to provide the clips 22 whereby the plate 19 may be effectively, yet detachably, secured to the inner bowl 20, and in a manner whereby the inner bowl 20 will be suspended from the end portions of this strip 21.

The plate 19, at its axial center, is provided with an opening 23 through which freely passes an elongated tubular plunger 24 carrying at its lower end a squeezing disk 25 of a diameter closely approaching the interior diameter of the bowl 20. This plunger 24 also passes tightly

up between the upstanding spring lugs 25 which are in continuity with the feet 17.

The rod 12 and the tubular plunger 24 are of such length as to have the rod 12 telescoping within the plunger 24 at all positions of the disk 25 within the inner bowl 20, and it is also to be pointed out that the disk 25 will readily rise in accordance with the amount or load of materials placed within the bowl 20 for washing. It is also to be stated that the materials to be washed are placed within the bowl 20 before said bowl is operatively engaged with the clips 22 and, of course, before the base member 1 is placed upon the outer bowl B.

The wall of the inner bowl 20 is provided with perforations 27 so that the materials within the bowl may be effectively subjected to the action of the cleansing solution within the bowl B during a washing operation and as the inner bowl 20 is caused to rotate with the sleeve 11 upon operation of the gear 8.

After the washing operation, it is only necessary to force the plunger 24 inwardly of the bowl 20 to have the disk 25 effectively squeeze out the water from the materials within the bowl 20. This squeezing operation can be effected with the apparatus in position, partly removed, or entirely separated from the bowl B.

To facilitate the pressing action of the disk 25, the end portion of the plunger 24 above or outwardly of the plate 19 is provided with an enlargement or head 28 which can be readily grasped between the fingers of a person.

While I have particularly illustrated and described the apparatus as being mounted upon an outer bowl B, it is to be stated that if desired the use of such an outer bowl may be dispensed with, as the device can be readily held in proper position with respect to the usual wash bowl or other preferred available receptacle.

From the foregoing description it is thought to be obvious that a washing apparatus constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated.

I claim:

1. A washing apparatus comprising a base

member, a rod extending from said member, a plate rotating around the rod, means for rotating the plate, a bowl for the materials to be washed having its wall perforated, means for detachably supporting the bowl from the plate with the plate within the upper portion of the bowl, a pressing member within the bowl, and a plunger carried by said pressing member and extending through the plate, said plunger and rod telescoping one within the other.

2. A washing apparatus comprising a base member, a rod extending from said member, a plate rotating around the rod, means for rotating the plate, a bowl for the materials to be washed having its wall perforated, means for detachably supporting the bowl from the plate with the plate within the upper portion of the bowl, a pressing member within the bowl, and a plunger carried by said pressing member and extending through the plate, said plunger and rod telescoping one within the other, the base member including a hand grasp.

3. A washing apparatus of the class described comprising a base member, an elongated rod carried by the base member a sleeve pivotally surrounding the rod closely adjacent to the base member, means for rotating the sleeve, opposed arms carried by the sleeve and extending in a direction away from the base member, a plate secured to the outer end portions of the arms, a bowl in the upper portion of which is received the plate, means carried by the plate engaging the bowl for holding the bowl and plate in assembled position, a squeezing disk within the bowl, and a plunger carried by the disk and freely extending through the plate, said plunger and the rod telescoping one within the other, the wall of the bowl being perforated.

4. A washing apparatus comprising a rotatable member, a portable means for supporting said member, a bowl for the materials to be washed, the wall of the bowl being perforated, means for detachably engaging the bowl with the rotatable member for rotation therewith, and means carried by the rotatable member for squeezing materials within the bowl.

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