Jan. 1, 1924 1,479,218

J. S. BRADY

WASHING MACHINE

Filed April 5, 1922 2 Sheets-Sheet 1

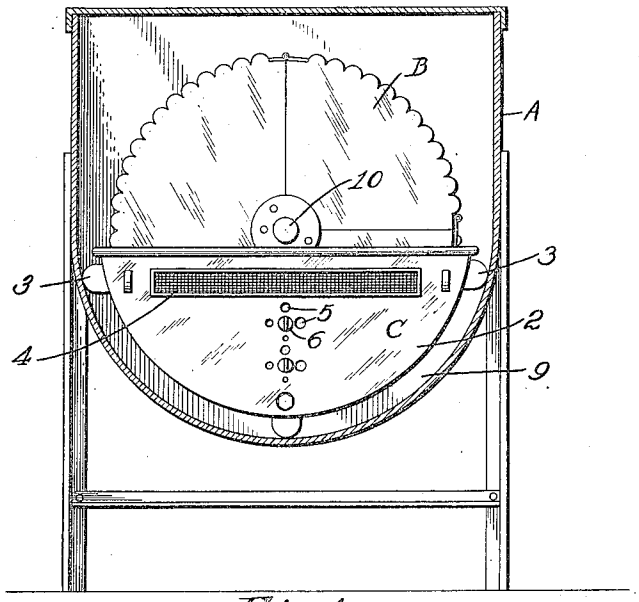


Fig. 1.

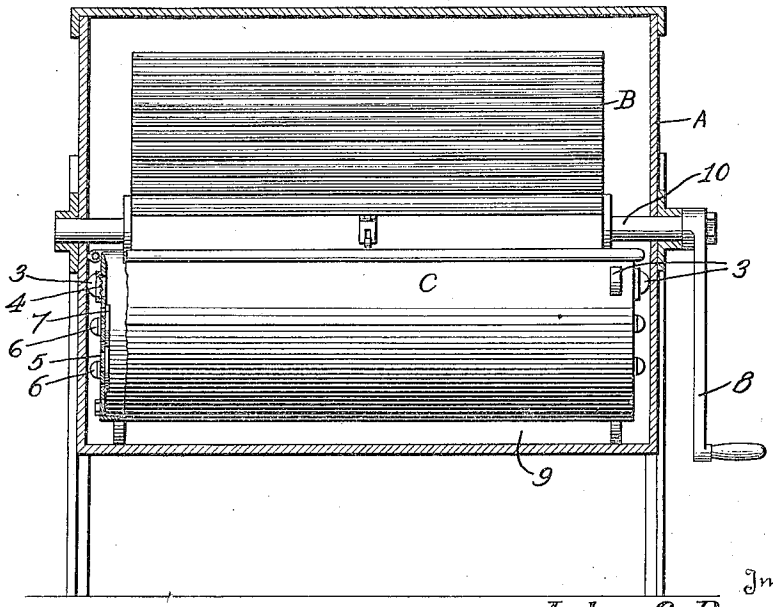


Fig. 2.

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Fig. 3.

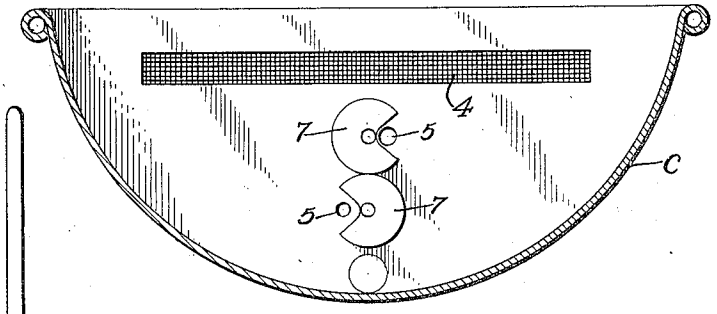
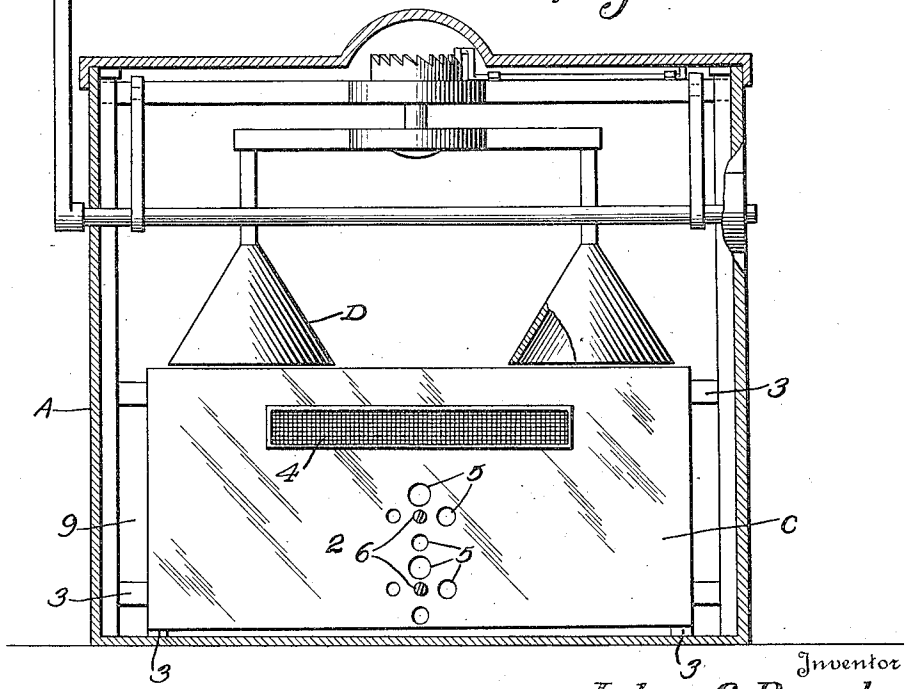


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN S. BRADY, OF WILKES-BARRE, PENNSYLVANIA.

WASHING MACHINE.

Application filed April 5, 1922. Serial No. 549,751.

To all whom it may concern:

Be it known that I, JOHN S. BRADY, a citizen of the United States, residing at Wilkes-Barre, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Washing Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improvement in washing machines, and more particularly to washing machines used for washing very dirty clothes or material.

The object of the present invention is to provide means for eliminating dirt and sediment from the water which is brought into immediate contact with the clothes or other materials being washed and to provide a settling or quiet water compartment in such a machine in which precipitation can more rapidly occur. Further objects will more particularly appear in the course of the following detailed description.

This invention consists in the novel construction, arrangement and combinations of parts as hereinafter more particularly described and claimed.

Two sheets of drawings accompany this specification as part thereof, in which like reference characters indicate similar parts throughout.

Figure 1 is a vertical transverse section of a washing machine embodying my improvements;

Fig. 2 is a vertical longitudinal section showing my auxiliary container in elevation;

Fig. 3 is a transverse vertical section through my auxiliary container, and

Fig. 4 is a vertical sectional view showing the application of my invention to a plunger type washing machine.

In accordance with my present invention, I place in the ordinary container A of a washing machine which is provided with the ordinary clothes cylinder B, a supplementary or auxiliary container C which is preferably of semi-cylindrical form as illustrated in Figs. 1, 2 and 3, but which may be of any desired shape, it being illustrated in Fig. 4 as rectangular. This auxiliary container C is held in spaced relation with regard to the walls of the main container A by means of lugs or brackets 3, providing a space 9 between the two containers. The auxiliary container is provided adjacent the top of each end with a screened overflow opening 4 below which are arranged a plurality of different sizes of openings 5 all of which may be closed except the one desired, by means of discs 7 mounted interiorally as by screws 6.

In operation, water is placed in the machine to the usual height which would be normally the height of the screen overflow openings 4. Upon the rotation of the clothes cylinder B or the operation of the plungers D as the case might be, the water within the auxiliary container C is violently agitated and flushed up over the upper edge of the auxiliary container C. The water in the space 9 will remain, however, comparatively quiet so that the dirty water being continuously flushed over the edge of the container C will gradually mix with the relatively quiet water in space 9 permitting the dirt, grit and sediment to settle in the bottom of the machine. A return current of water from the space 9 may be permitted as desired, through the openings 5 which may be adjusted as desired, depending upon the amount of dirt and sediment in the water.

Modifications in the precise shape and arrangement of the parts will readily suggest themselves to those skilled in the art, but all within the scope of the present invention.

Having thus fully described my invention, I claim:

1. In a washing machine, the combination of a container, an auxiliary container of lesser depth than the main container, said auxiliary container being mounted concentrically within the main container in spaced relation therewith and provided with a plurality of end ports or openings of different sizes and means for closing all of the openings except the one desired.

2. In a washing machine, the combination of a container, an auxiliary container of lesser depth than the main container, said auxiliary container being mounted within the main container in spaced relation thereto, and provided with a plurality of ports or openings of different sizes in its opposite ends and adjustable means for closing all of the openings except the one desired.

In testimony whereof I affix my signature.

JOHN S. BRADY.