A. C. WILLIS.

WASHING MACHINE.

APPLICATION FILED APR. 10, 1907.

915,143. Patented Mar. 16, 1909.

Fig. 1.

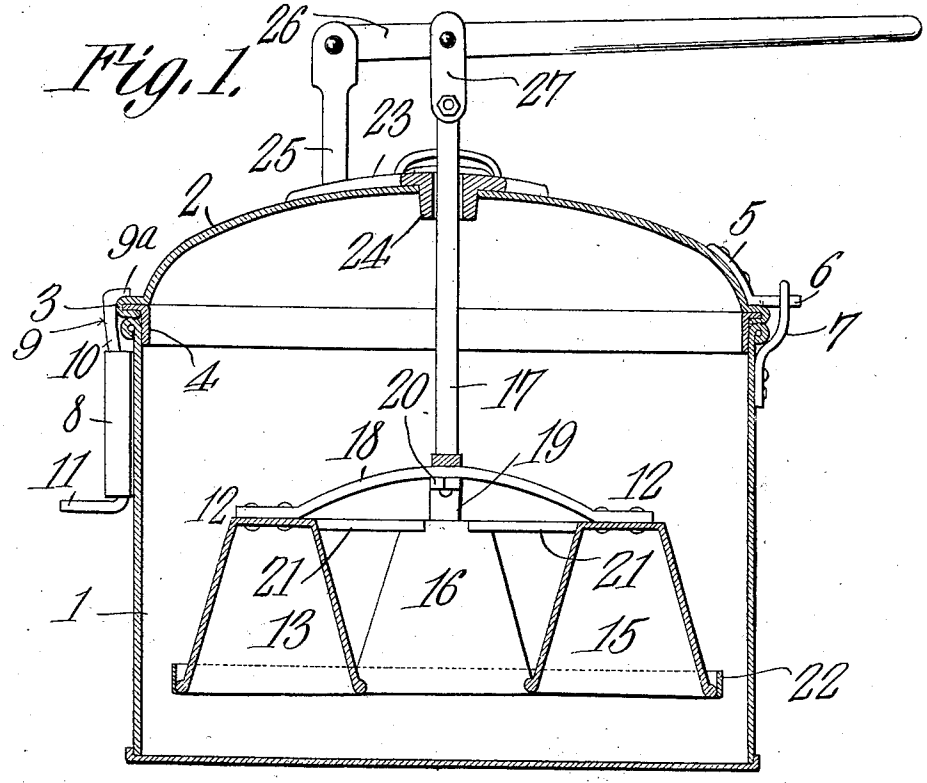
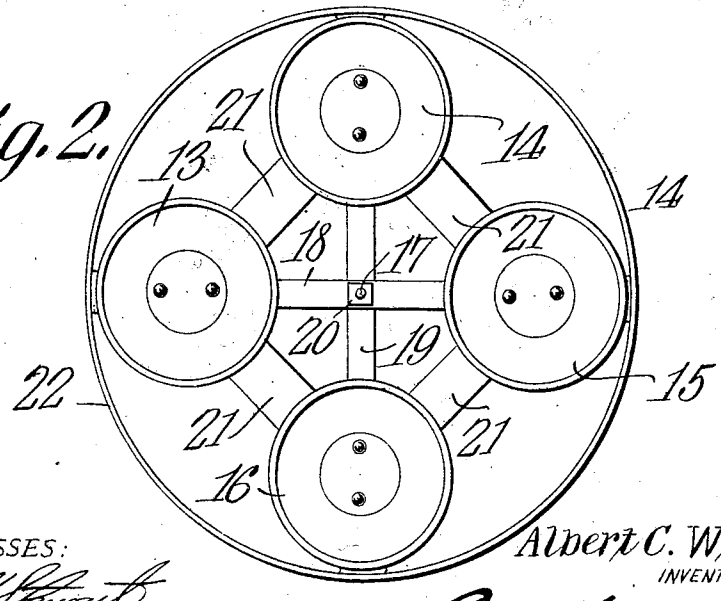


Fig. 2.



WITNESSES:

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WASHING-MACHINE.

No. 915,143. Specification of Letters Patent. Patented March 16, 1909.

Application filed April 10, 1907. Serial No. 367,318.

To all whom it may concern:

Be it known that I, ALBERT C. WILLIS, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a new and useful Washing-Machine, of which the following is a specification.

This invention relates to a washing machine, the object being to provide a receptacle in which clothes to be washed are placed, together with water and soap or some saponaceous substance and subjected to heat. A pounder is placed within the receptacle to reciprocate vertically and by its action on the clothes clean them.

With this and other objects in view, the invention consists of the novel construction, combination and arrangement of parts hereinafter described and claimed.

In the accompanying drawings:—Figure 1 is a vertical cross section of the washing machine, and Fig. 2 is a bottom plan view of the pounder.

Similar numerals of reference indicate the same parts on all the figures.

A receptacle 1, preferably cylindrical in shape and with a flat bottom is provided with a cover 2 semi-elliptical in shape with a projecting flange 3 extending outwardly therefrom to rest on the top of the receptacle and a peripheral circular flange 4 fitting into the receptacle as shown. On one side of the cover is fastened one or more brackets 5 having an outwardly projecting lug 6 in position to enter an opening in an ear 7 riveted to the receptacle 1 at its upper edge. Securely attached to the side of the receptacle opposite the ear or ears 7 is a vertically disposed socket 8 in which a latch 9 is adapted to turn. The upper end 9^a of said latch 9 is bent at right angles to the stem 10 thereof that it may catch over the flange 3 of the cover and hold it firmly on the receptacle when turned by a handle 11 on the lower end of said stem as shown.

Within the receptacle is a pounder 12 comprising a plurality of conically shaped cups, preferably four in number 13, 14, 15 and 16, open at their under and larger ends and closed at their smaller ends. The cups are arranged equi-distant from one another about a vertical, central stem 17, the cups 13 and 15 being riveted to a curved bar 18, while the cups 14 and 16 are similarly connected to a curved bar 19. The bars are placed at a right angle to each other and cross at the axis of the vertical stem to which they are rigidly connected by a nut 20 on a threaded portion of said stem. The cups 13 and 14 are joined together by a horizontal connecting plate 21, similar plates connect the cups 14 to 15, 15 to 16 and 16 to 13. A vertically placed flat circular band 22 surrounds the outside of the cups at their lower open ends to which said cups are attached.

Fastened to the top 2 at the center thereof is a casting 23 having on its under side a guiding sleeve 24 projecting through the top, through which sleeve the vertical stem passes outside the receptacle. On the casting 23 is a post 25 to which one end of a vertically movable handle 26 is pivoted. Near the pivotal point of the handle, the stem 17 is connected thereto by links 27, one only being shown, which permit the stem 17 to rise and fall in a vertical direction through the sleeve 24, thus keeping the pounders away from the sides of the receptacle.

In operation, the clothes to be washed are placed in the receptacle with a sufficient quantity of suds water and the latter raised to the boiling point. The pounder is then operated by the handle 26, first pressing downward on the clothes to force the water through them and then raised to permit the water to return. This action continued, gradually removes the dirt from the clothes, and when taken from the boiler, they are thoroughly clean.

Having thus described the invention what is claimed is:—

A device of the class described comprising a plate formed with a depending bearing adapted for insertion through an opening in the cover of a receptacle, an extension formed integral with the bearing, and a standard formed integral with the extension, a hand lever pivoted at the upper end of the standard, a pounder rod having pivotal connection with the said hand lever and slidably engaged through the said bearing, and a pounder carried at the lower end of the said rod.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ALBERT C. WILLIS.

Witnesses:

EMMET C. MITCHELL,

CHAS. MOORE.