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1,565,585

J. NELSON

OSCILLATING WASHING MACHINE

Filed Feb. 20, 1924

Fig. 1

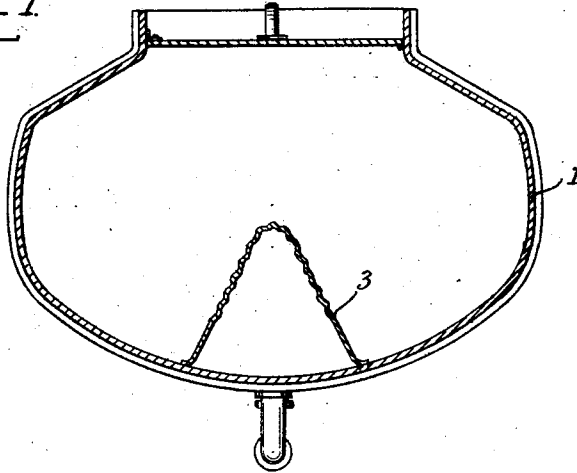


Fig. 2

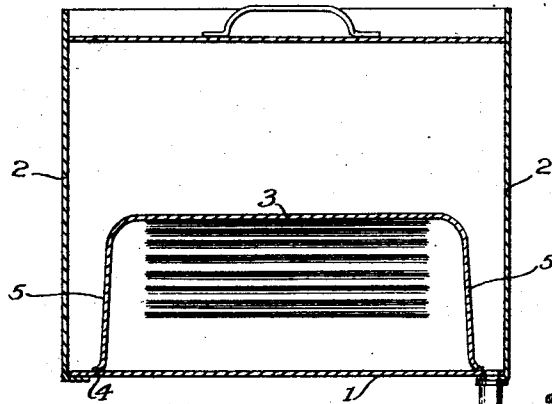
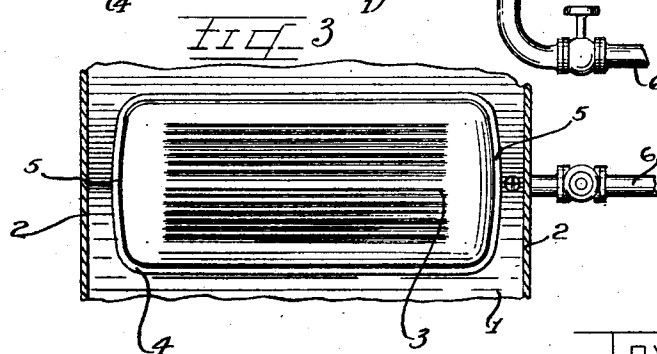


Fig. 3



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UNITED STATES PATENT OFFICE.

JOHN NELSON, OF NEWTON, IOWA, ASSIGNOR TO AUTOMATIC ELECTRIC WASHER CO.,
A CORPORATION OF IOWA.

OSCILLATING WASHING MACHINE.

Application filed February 20, 1924. Serial No. 693,978.

To all whom it may concern:

Be it known that I, JOHN NELSON, a citizen of the United States, and a resident of the city of Newton, in the county of Jasper and State of Iowa, have invented certain new and useful Improvements in an Oscillating Washing Machine; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the numerals of reference marked thereon, which form a part of this specification.

This invention relates to an oscillating washing machine.

In the past, washing machines of this class have generally been provided with an agitating hump extending upwardly from the bottom of the tub, and as constructed the hump would divide the wash tub into two compartments so that a pair of drain pipes were required to drain the tub.

According to this invention, the agitating hump in the bottom of the tub is so designed and constructed that a single drain pipe properly positioned will completely drain the tub after use.

This invention comprises the novel structure and combinations hereinafter described and more particularly pointed out and defined in the appended claim.

In the accompanying drawings which illustrate a preferred embodiment of this invention and in which similar reference numerals refer to similar features in the different views.

Figure 1 is a transverse vertical section through an oscillating wash tub involving this invention.

Figure 2 is a longitudinal sectional view thru such a wash tub.

Fig. 3 is a fragmentary plan view of the interior of the tub.

Referring to the drawings, it will be noted that I have illustrated a metal tub consisting of a sheet of metal stamped into a trough like member 1 having an arcuate bot-

tom. The ends of the trough like member are closed by end plates 2 which may be secured thereto in any well known manner.

In the illustrated embodiment of this invention, the agitating hump 3 for the bottom of the tub is preferably stamped from sheet metal into a hood-like V shaped member having corrugated sides and a marginal attaching flange at its bottom whereby the same may be welded or attached in any well known way to the bottom of the tub. The hub is so designed that its ends 5 are spaced a distance from the ends 2 of the tub. The spaces so formed constitute channels through which the washing fluid may flow from one side of the hump to the other.

A single drain pipe 6 extends from one of the channels for draining the washing fluid from the tub.

It will be appreciated that by forming the agitating hump as a separate member shorter than the length of the tub, appropriate drain channels will not only be provided but a better circulation of the washing fluid in the bottom of the tub will be obtained.

The tub is adapted to be mounted for oscillating as is well known in the art and need not be illustrated.

I am aware that many changes may be made, and numerous details of construction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted hereon, otherwise than necessitated by the prior art.

I claim as my invention:

An oscillatable wash tub, a closed V-shaped hump attached to the bottom of the tub with its ends spaced from the end walls of said tub to provide drain passages, and a drain pipe extending through the bottom of one of said passages.

In testimony whereof I have hereunto subscribed my name.

JOHN NELSON.