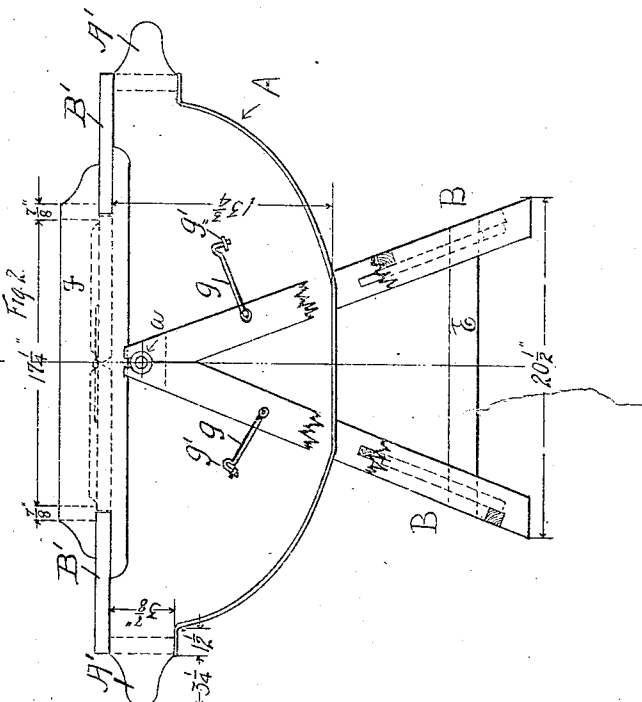
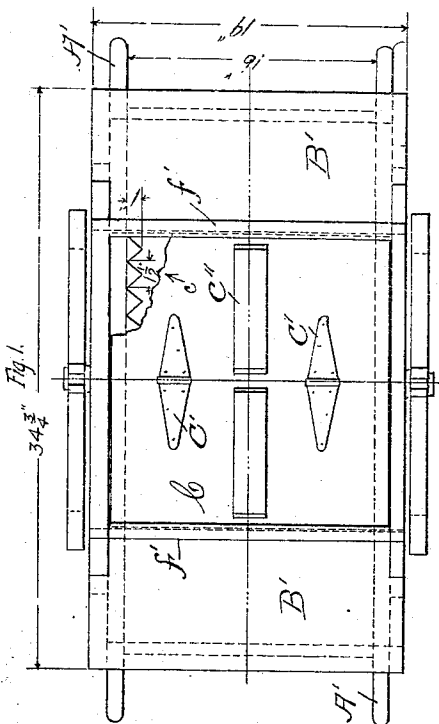
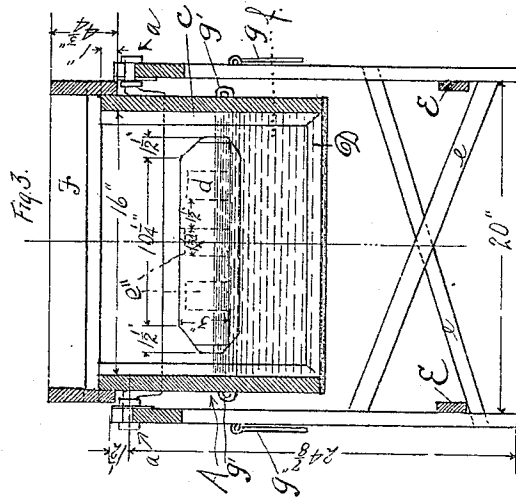
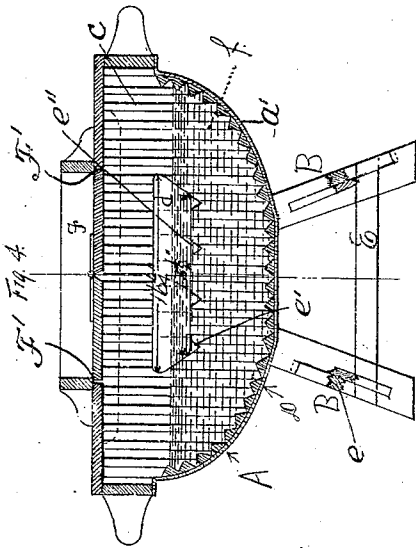


M. ST. CLAIR.
 WASHING MACHINE.
 APPLICATION FILED MAY 13, 1907.

936,178.

Patented Oct. 5, 1909.



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MILTON ST. CLAIR, OF BRADNER, OHIO.

WASHING-MACHINE.

936,178.

Specification of Letters Patent.

Patented Oct. 5, 1909.

Application filed May 13, 1907. Serial No. 373,497.

To all whom it may concern:

Be it known that I, MILTON ST. CLAIR, a citizen of the United States, residing at Bradner, in the county of Wood and State of Ohio, have invented a new and useful Washing-Machine, of which the following is a specification.

The invention relates to an improvement in washing machines constructed to include a main box mounted for rocking movement, and a float loosely arranged within the box and operating on the clothes to be washed.

The preferred details of construction will be described in the following specification, reference being had particularly to the accompanying drawings, in which—

Figure 1 is a plan of a washing machine constructed in accordance with my invention. Fig. 2 is a side elevation of the same, the frame being partly broken away. Fig. 3 is a transverse section of the same. Fig. 4 is a longitudinal central section of the same.

Referring to the drawings, A represents the main box of approximately semi-spherical shape on the central portion of the side walls of which near the upper edge are secured trunnions *a*. The trunnions are movably mounted in the main frame including legs B arranged to provide side frames of approximately inverted V-shape, the relatively lower portions of the legs being interbraced by longitudinal braces E and cross braces *e*. The ends of the side walls of the box are extended to form handles A' whereby the box may be operated on the trunnions *a*. The box is in part closed at the upper end by fixed cover sections B' which extend from the ends of the box toward the center thereof. Projecting upwardly from the box and of greater width than the width of the box and of a length equal to the distance between adjacent edges of the fixed cover sections B' is what I term a box wall F which projects above the surface of the sections B' and provides for the convenient attachment of a wringer or other washing accessory. The end walls *f'* of the box F are arranged so that their lower edges project inwardly beyond the underlying edges of the fixed cover sections B' on which they are secured, thereby providing shoulders F' for a purpose which will presently appear. The bottom wall of the main box A is preferably a metallic strip *a'*, which on its inner

surface is corrugated at D', preferably by securing a series of strips transversely of the bottom. The side walls are also corrugated vertically as at *c* as clearly shown in Figs. 3 and 4.

The open portion of the main box is closed by cover C, comprising duplicate sections connected by hinges *c'*. The length of the cover when the sections are extended into flat form is such that the end edges of the cover will engage beneath the shoulder F' of the box F, thereby preventing dislodgment of the cover in the operation of the machine. The proximate edges of the cover sections are beveled to permit upward movement of the connected edges of such sections in operation, whereby to withdraw the remote edges of such sections from beneath the shoulders F'. The sides of the cover rest upon the upper edges of the main box when the cover is in closed position, as clearly shown in Fig. 3. Projecting strips *c''* are secured upon the cover sections to provide for conveniently operating the sections.

A float *d* is adapted to be arranged within the main box, said float comprising a buoyant body corrugated on the bottom as at *e'* and formed with a series of openings *e''* extending nearly through the float and opening through the lower side thereof. Hooks *g* are secured to the legs and arranged to engage eyes *g'* carried by the box and securing the latter against movement when desired.

In operation, the main box being filled to the desired extent with washing fluid and the clothes to be washed placed therein, the float is inserted, the removable cover C placed in position and the machine rocked on its bearings. As the clothes ride into contact with the ends of the box the float will frictionally engage the clothes and materially assist the washing operation by causing the clothes to be folded and unfolded by the operation of the float and thus present a new surface for the effective operation of the float. The holes formed in the float tend to increase the efficiency of the washing operation by the agitation of the washing fluid due to the suction created in the float openings as the box is rocked. The float thus tends to materially increase the efficiency of the washing operation and thereby shorten such operation.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

5 A washing machine comprising a main frame, a box mounted for rocking movement thereon, and clothes-agitating means adapted for free floating movement within the box,

said means being formed with a series of openings.

MILTON ST. CLAIR.

Witnesses:

WILLIAM B. GREGG,
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