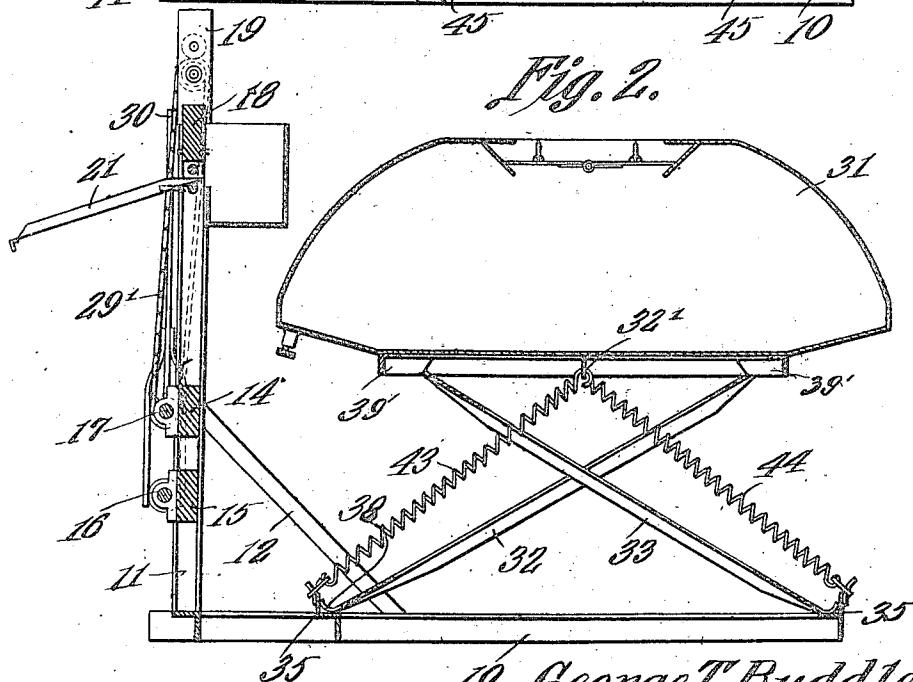
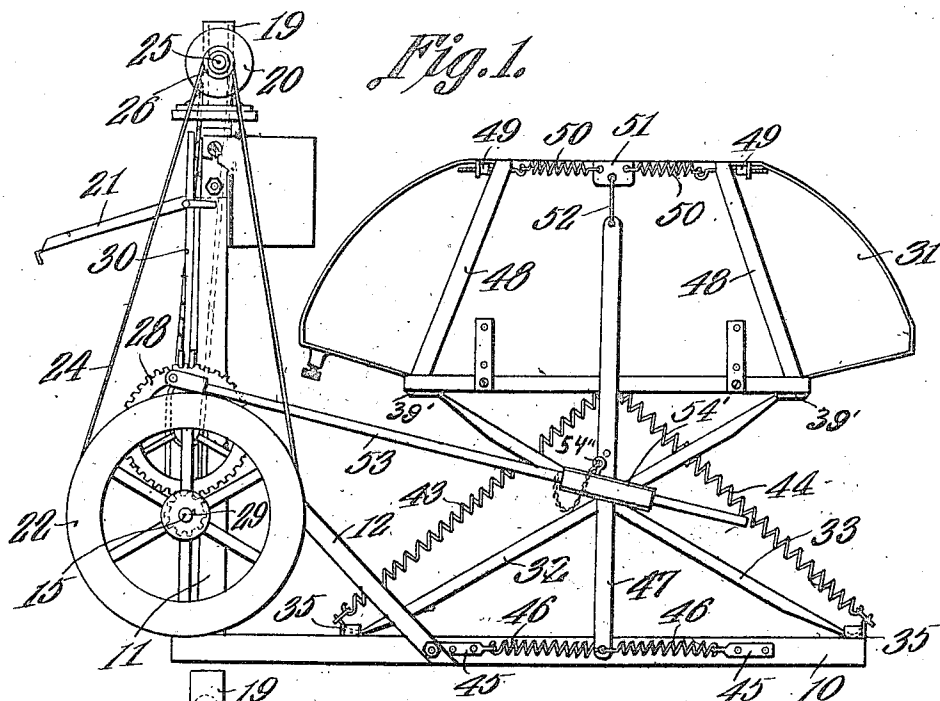


1,042,391.

G. T. BUDDLE.
 WASHING MACHINE.
 APPLICATION FILED SEPT. 25, 1911.

Patented Oct. 29, 1912.

2 SHEETS—SHEET 1.



Witnesses

J. P. Tomlinson
L. H. Walcott

George T. Buddle,
 Inventor

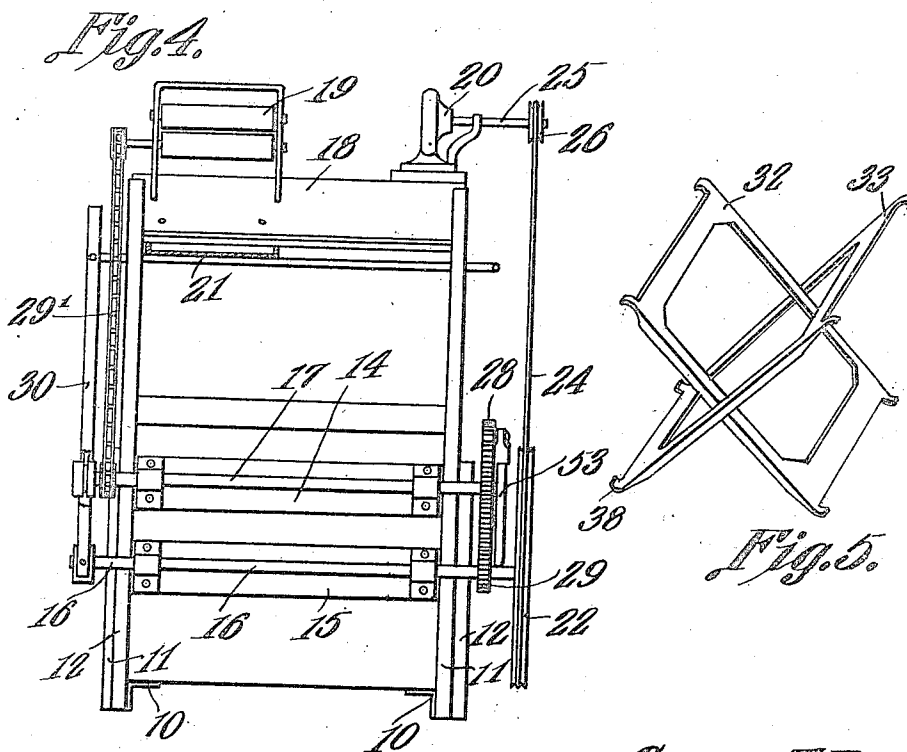
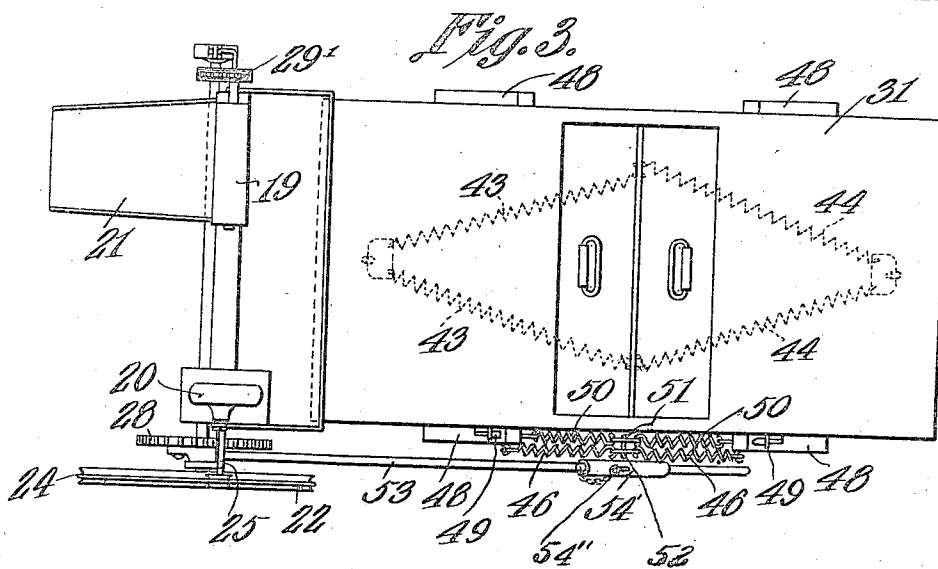
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2 SHEETS—SHEET 2.



Witnesses

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UNITED STATES PATENT OFFICE

GEORGE T. BUDDLE, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO EDWARD E. WARD, OF CHICAGO, ILLINOIS.

WASHING-MACHINE.

1,042,391.

Specification of Letters Patent.

Patented Oct. 29, 1912.

Application filed September 25, 1911. Serial No. 351,123.

To all whom it may concern.

Be it known that I, GEORGE T. BUDDLE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Washing-Machine, of which the following is a specification.

This invention relates to an improvement in washing machines.

The primary object of the present invention is to provide simple and efficient means for vibrating the receptacle of a washing machine.

A further object of the invention is to provide efficient means for supporting the receptacle as the same is vibrated.

In the drawings; Figure 1 is a side elevation of the complete machine. Fig. 2 is a longitudinal sectional view. Fig. 3 is a top plan view. Fig. 4 is an end elevation, and Fig. 5 is a detail view of the frame which supports the receptacle.

In the drawings, 10 designates the base which is provided with the vertically extending standards or supports 11 which are braced by the struts 12. The supports are connected by the transverse bars 14 and 15 which support shafts 16 and 17. The vertically extending supports are connected at their upper ends by a beam 18 which supports a wringer 19 and the motor 20, a tray 21 being supported at a point below the wringer to receive the water drained from the clothes. Arranged on one end of the shaft 16 is a sheave 22 over which the belt 24 passes, said belt being driven by the shaft 25 of the motor 20, a sheave 26 being positioned on said shaft, said belt 24 passing over said sheave. Arranged on the shaft 17 is a gear 29 which meshes with a gear 28 arranged on the shaft 17, the shaft 17 driving the wringer mechanism through the medium of the sprocket chain 29, the shaft 17 being shifted into and out of gear with the drive shaft 16 by means of the lever 30, this arrangement being the usual gear shifting construction.

The receptacle 31 is supported by a plurality of rectangular frames 32 and 33, said frame 32 extending through the frame 33, the lower portions of the frame contacting with the angle bars 35 of the base, the frame being provided with the extensions 38 which are rounded to facilitate the rocking

of the frame. The frames are provided at their upper ends with similar rounded extensions which rest in pockets 39 arranged on the bottom of the receptacle. Arranged centrally and transversely on the bottom of the receptacle is a bar 32', which is connected by means of springs 43 and 44 with the angle bars 35, the normal tendency of the said springs being to center the receptacle. These springs also draw the receptacle toward the base 10, and tend to hold the extension of the frames in contact with the transverse angle bars 39, thus permitting the receptacle to freely rock upon the frames without danger of the frames coming out of contact with the receptacle. Arranged on the edge portion of the base 10 are brackets 45 to which are secured coiled springs 46 which are connected to the lower end of a vertically extending bar 47.

The receptacle 31 is provided with diagonally disposed brace beams 48 the ends of which adjacent the upper edge of the receptacle are apertured to receive the adjustable securing devices 49. Secured to these devices are coiled springs 50 which are connected to a plate 51 which has a link connection with the upper end of the bar 47, the bar 47 thus being resiliently supported at its upper and lower ends. The gear wheel 28 carries a rod 53 which has adjustable connections with the vertically extending bar 47. This adjustable connection consists of the sleeve 54' which receives the rod 53, said rod being provided with apertures which receive the locking pin 54. As the bar 47 is moved by means of the rod 53, the same will vibrate imparting a rocking motion to the receptacle 31. As this receptacle moves backward and forward on the frames 32 and 33 it will be noted that the articles to be laundered which are arranged within the receptacle and the fluid within the receptacle will be agitated. The springs 43 and 44 which tend to center the receptacle, coact with the springs which connect the bar 47 with the base 10 and with the receptacle to impart vibratory motion to the receptacle.

What is claimed is:—

1. In a washing machine, a receptacle, a plurality of independently movable frames one of which extends through the other, said frames supporting said receptacle for a

rocking motion, a bar having a resilient connection with said receptacle and means for imparting movement to said bar.

2. In a washing machine, a receptacle, a supporting base, a bar, having a resilient connection with said receptacle and said base, a plurality of independently movable frames pivotally arranged on the base, said frames having a pivotal connection with the receptacle and means for moving said bar to rock said receptacle.

3. In a washing machine, a base, a receptacle, a plurality of independently movable frames supporting said receptacle for rocking movement, one of said frames extending through the other, a vertically disposed bar, coiled springs connecting said bar with said base, coiled springs connecting said bar with said receptacle and means for imparting movement to said bar to rock said receptacle.

4. In a washing machine, a base, a receptacle, a plurality of independently movable frames supporting said receptacle, said frames being provided with curved extensions arranged to contact with said base and with said receptacle, a resilient connection between said receptacle and said base, a vertically disposed bar, said bar having resilient connections with said receptacle and with said base and means for moving said bar to rock said receptacle.

5. In a washing machine, a base, a receptacle, a plurality of independently movable frames supporting said receptacle for a rocking movement, a plurality of angle bars arranged transversely of the base, said frames being provided with curved extensions adapted to contact with said bars, a plurality of transversely disposed angle beams secured to the bottom of the receptacle, said frames being provided with curved extensions adapted to contact with said beams, a vertically disposed bar, said bar having a resilient connection with said base and with said receptacle and means for moving said bar to rock said receptacle.

6. In a washing machine, a receptacle, a supporting base, a plurality of angle bars arranged transversely of said base, a plurality of independently movable frames one of which extends through the other, said frames being provided with curved extensions adapted to contact with said transversely disposed bars, transversely disposed bars arranged on the bottom of said receptacle, said frames being provided with curved extensions adapted to contact with the last mentioned bars, a vertically disposed bar, coiled springs connected to the lower end of said bar extending in opposite directions, said springs being secured to said base, coiled springs secured to said receptacle, a plate, said springs being connected to said plate and a link connection between the plate and the upper end of said bar, and means for moving said bar to rock said receptacle.

7. In a washing machine, a receptacle, a plurality of independently movable frames one of which extends through the other, said frames supporting said receptacle for a rocking motion, and means for rocking the receptacle.

8. In a washing machine, a receptacle, a plurality of independently movable frames one of which extends through the other, said receptacle resting upon the upper terminals of said frames, a base upon which the lower terminals of said frames rest, and means for rocking the receptacle on said frames.

9. In a washing machine, a base, a receptacle, a support for the receptacle comprising disconnected members, said receptacle resting upon the members but not connected thereto, said support being disconnected from said base.

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

GEORGE T. BUDDLE.

Witnesses:

HYMAN SEOVER,
F. J. TEBB.