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WASHING MACHINE

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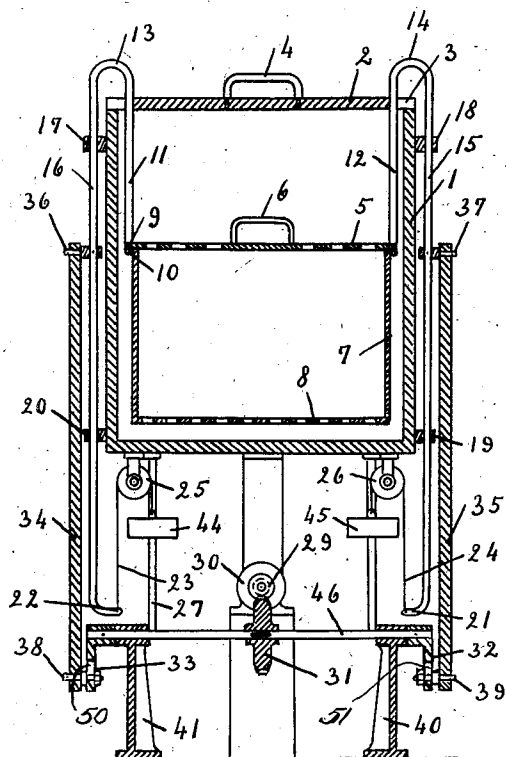


Fig. 1

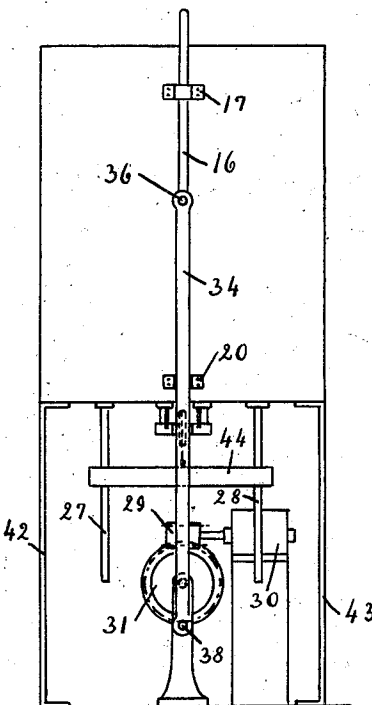


Fig. 2

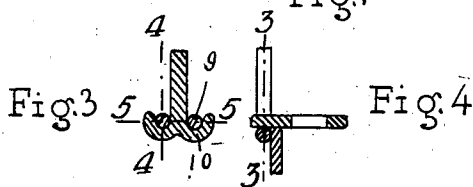


Fig. 3

Fig. 4

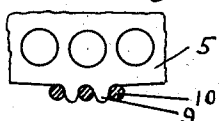


Fig. 5

WITNESSES.

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WASHING MACHINE

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In Germany April 24, 1933

1 Claim. (Cl. 68—37)

My invention relates to a washing machine and has for its object the connection of the clothes-basket to the crank by the connection rods.

Reference is to be had to the accompanying drawing in which

Fig. 1 shows a section of the machine.

Fig. 2 shows a side view of the machine.

Fig. 3 shows a section on line 3—3 of Fig. 4 in a larger scale. It shows the hooks fixed to the rods carrying the offsets of the basket.

Fig. 4 shows a section on line 4—4 of Fig. 3 in a larger scale.

Fig. 5 shows a section on line 5—5 of Fig. 3 in a larger scale.

A clothes-basket 7 carrying the cover 5 and the handle 6 can be moved up and down in the tank 1 carrying the cover 2 and handle 4, which shows slots 3 for the bows 13, 14.

The cover 5 is fastened to the clothes-basket 7 by screws which are not shown in the Fig. 1. The cover 5 is fitted with two lugs 9 at the places where the clothes-basket 7 is fitted to the rods 11, 12 carrying the hooks 10. The rods 11, 12 which do not show any guides within and above the tank 1, so that no dirt or oil can fall into the washing liquid, carry the bows 13, 14 on top and are connected to the rods 15, 16 which are guided outside of the tank 1. The rods 15, 16 show the offsets 21, 22 on the bottom and are guided in the bearings 18, 19 and 17, 20. The bands, wires or strings 23, 24, guided over the rollers 25, 26, connect the offsets 21, 22 with the weights 44, 45. The weights 44, 45 balance the clothes-basket 7 and they are guided by two rods 27, 28. Only a small amount of power is necessary for the movement of the clothes-basket in relation to the balancing. The rods 15, 16 carry the eyes for the pins 36, 37. The links 34, 35 are connected to the pins 36, 37 and to the pins 38, 39 of the cranks 32, 33. The cranks 32, 33 and the wormwheel 31 are fixed to the shaft 46. The latter rotates in the bearings 40, 41. The worm-

gear 29 is fitted to the motor 30 and drives the wormwheel 31. The parts 42, 43 are used as supports for the tank 1.

The machine works in the following way.

After having the clothes-basket 7 removed 5 from the tank 1 and having filled with wash, the cover 5 has to be fixed to the clothes-basket by screws. Then the clothes-basket will be placed inside the tank 1 so that the lugs 9 which are fitted to the cover 5 are placed around the rods 10 11, 12 and rest in the hooks 10. Now the clothes-basket is fixed to the rods 11, 12. The cover 2 will be placed on top of the tank 1 and the motor has to be started. The worm gear 29 drives the wormwheel 31 which rotates the cranks 32, 33. 15 The clothes-basket will be shifted up and down by the rotation of the cranks in connection with the links 34, 35 and rods 16, 11, 15, 12. The washing liquid will be driven vertically through the wash by the mentioned movement, a partial 20 vacuum is created and the wash will be cleaned.

It might be desirable to decrease or to increase the stroke of the clothes-basket. For this purpose the cranks 32, 33 are fitted with slots 50, 51 for shifting the pins 38, 39 more or less to the 25 centre of the shaft 46.

The weights 44, 45 may consist of single plates for the purpose of increasing or decreasing the weight if necessary.

I claim:

In a washing machine, a tank, a clothes basket 30 movable up and down in said tank, a cover for said basket having lugs extending therefrom, a pair of bent rods, each having a part extending into the tank and provided on its end with hooks 35 engaging said lugs, the other part of said rod being outside the tank and having a pin thereon medially of its ends and a counterweight attached to its end, means on said tank for guiding said rods, a pair of cranks below the tank, a link connecting each of said cranks and said pins and means for adjusting the stroke of the crank. 40

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