

(No Model.)

E. C. BURT.
WASHING MACHINE.

No. 523,103.

Patented July 17, 1894.

Fig. 3.

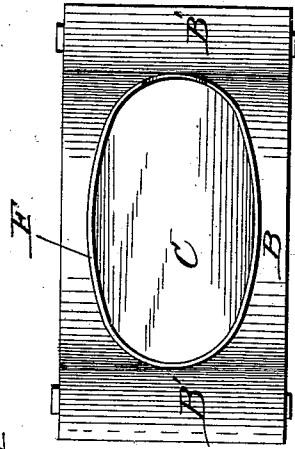


Fig. 2.

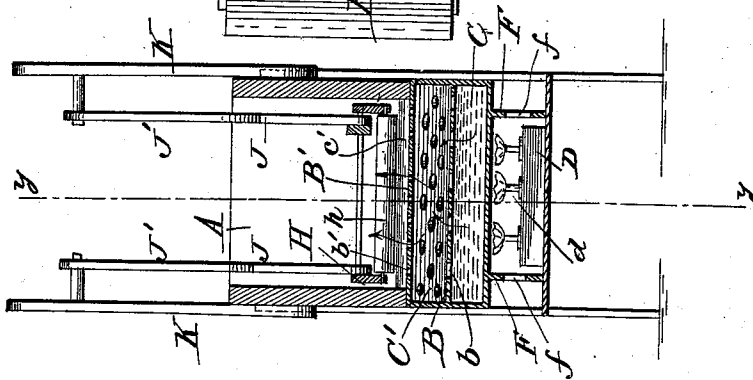
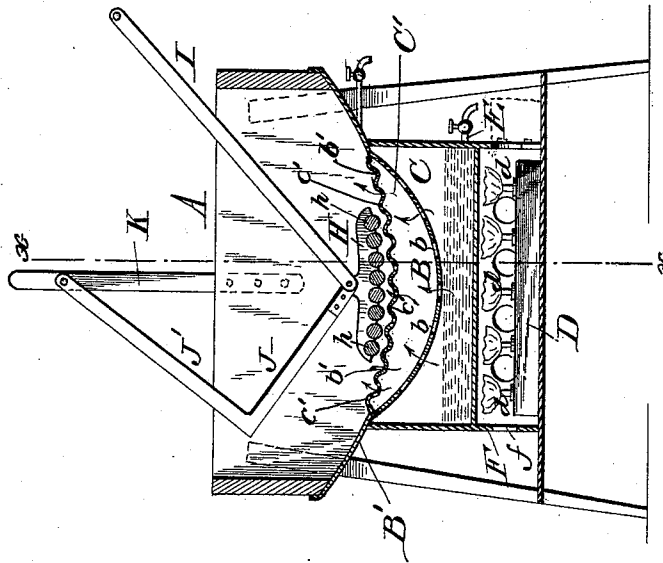


Fig. 1.



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ELIZA C. BURT, OF DETROIT, MICHIGAN.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 523,103, dated July 17, 1894.

Application filed August 22, 1893. Serial No. 483,717. (No model.)

To all whom it may concern:

Be it known that I, ELIZA C. BURT, a citizen of the United States, and a resident of Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a longitudinal sectional view of my improved washing machine, on the line $y-y$, Fig. 2. Fig. 2 is a sectional view on the transverse vertical plane indicated by the broken line marked x, x in Fig. 1, and Fig. 3 is a plan view of the under side of the clothes receptacle.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the said drawings, the letter A designates the clothes receptacle, the bottom B, of which is concavo-convex, and made of zinc or galvanized iron. Connected with the middle part of this bottom on its under side, is a boiler C, which has a faucet E, at one end, and is provided with a downwardly projecting flange F, having a series of air holes f, f , which forms a guard for the burners d, d , of a heating apparatus D, placed below the boiler for heating the water in the same and generating steam.

The bottom B, above the boiler has a number of apertures b, b , opening up into a shallow steam chamber or chest formed by the false bottom B', which is provided with a large number of small or fine perforations b' , arranged in parallel transverse rows, separated from one another by the parallel transverse ribs or corrugations c', c' , of the corrugated false bottom B'. The rubber may be of any ordinary or suitable construction. It consists of a body or frame H, which forms a bearing for a number of parallel rollers h , facing the upper side of the corrugated and apertured false bottom B' of the clothes receptacle. In

the example illustrated in the drawings, this rubber is provided with a handle I, of suitable length for operating it; the convex rubber frame H being hung between parallel arms or elbow levers J, J, bent at right angles and hung with their upper long limbs J' between parallel vertical supports or uprights K, K, which are fastened to opposite sides or walls of the clothes receptacle.

The operation is as follows: Water is poured into the clothes receptacle, which will escape through the perforations or apertures in the bottoms B' and B, into the boiler C, until the proper level (as seen in Fig. 1), is reached in said boiler. The clothes are then placed in the receptacle A and the heater lighted. The steam generated in the boiler by the heater will rise through the apertures b , up into the steam chamber or chest C', formed between the true and false bottoms B and B', and be distributed into the clothes receptacle through the perforations b' , saturating the clothes contained in said receptacle. By now reciprocating the rubber back and forth, the clothes will be thoroughly cleansed.

It will be seen that the concavo-convex bottom B, serves as a shield for preventing the steam from acting directly on the false bottom B'. The water is emptied from the apparatus by means of spigot E.

Having thus described my invention, what I claim is—

In a clothes washing machine, the combination with the clothes receptacle A, the boiler C and the heater D, of the concavo-convex bottom B, having a number of perforations b therein, and the corrugated false bottom B' formed with a series of parallel rows of perforations b' , said false bottom being located above the true bottom so that a steam space will be formed therebetween, substantially as and for the purpose specified.

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

ELIZA C. BURT.

Witnesses:

C. C. BURT,
LOLA SHEETZ.