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Inventor.
C. H. Cranner,
By J. C. Shearer
his attorney.



CHARLES H. CRAMER, OF RUTLAND, NEW YORK.

Letters Patent No. 82,924, dated October 13, 1868.

IMPROVED WASHING-MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known, that I, CHARLES H. CRAMER of Rutland, in the county of Jefferson, and State of New York, have invented a new and useful Improvement in Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a plain view.

Figure 2 is a central vertical section.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

On top of the tub or box A is hinged a frame, B. Inside of this frame is placed a corrugated roller, C, the shaft of which passes through each side of the frame. On one end of this shaft is a cog-wheel, which meshes into another one, which is attached to one side of the frame B, and on this cog-wheel is a crank by which the machine is operated.

On the inside of each side of the tub A are two pieces, D, one end of each being pivoted to the side of the tub, and under each piece is a spring, E, which is secured to the bottom of the tub, and the pieces D D are held up from the bottom of the tub by the said springs.

In and between the pieces D D are rollers, F F, and between the rollers are pieces, G G, which are secured to the pieces D.

The frame B is hinged to one end of the tub, and at the other end of the frame are two set-screws H H, by which the distance between the corrugated roller C and the rollers F F can be adjusted.

Under the tub is a treadle, I, its bearings being the side-pieces of the frame which supports the tub A. The end of the treadle is connected to the frame B by two bars or rods J J, which are placed outside of the tub.

Its operation is as follows:

The clothes are placed in the tub at the end where the rollers F are located. The corrugated roller C is then revolved by means of power applied to the cog-wheels, and the clothes are fed in between the roller C and rollers F F.

By means of the set-screws H H, the space between the rollers C and F can be made to suit the character of the clothes to be washed.

During the operation, the distance between the rollers may be increased by raising the frame B and roller C by the use of the treadle I.

By removing the bars J J, the frame B and roller C can be lifted entirely off from over the rollers F, as the frame is hinged at one end.

Having thus fully described my invention,

What I claim, and desire to secure by Letters Patent, is—

The combination of the adjustable frame B, and the treadle I for raising the same, and the screws H for regulating its pressure, substantially in the manner and for the purpose described.

CHAS. H. CRAMER.

Witnesses:

A. M. UTLEY,
NELSON BURDICK.