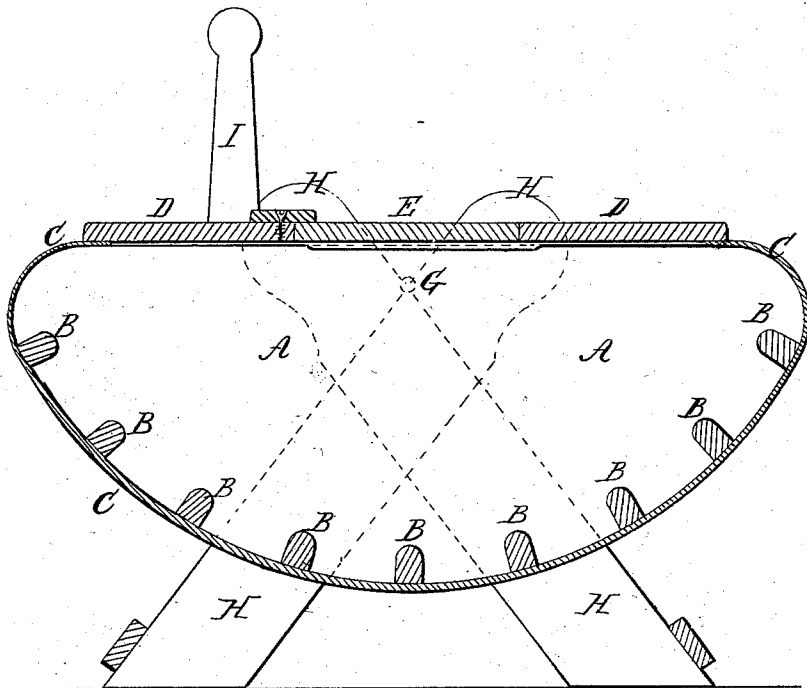


Rawdon & Ethridge,

Washing Machine.

N^o 67,801.

Patented Aug. 13, 1867.



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by their atty. A. B. Smith*

United States Patent Office.

STEPHEN RAWDON AND L. T. ETHRIDGE, OF DARLINGTON, WISCONSIN.

Letters Patent No. 67,801, dated August 13, 1867.

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 we, STEPHEN RAWDON and L. T. ETHRIDGE, of Darlington, in the county of Lafayette, and State of Wisconsin, have invented a new and useful improvement in Washing Machines; and we do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, making part of this specification, and in which—

Figure 1 is a sectional perspective view of a washing machine constructed in accordance with and embracing our improvement.

The object of our improvement is the production of a washing machine which is cheap and simple in its construction, easy and efficient in its operation; one that is not liable to get out of order, and that may be easily and quickly repaired, should it become broken; and to this end our invention consists in constructing the machine with semicircular or nearly semicircular heads or ends, connected together by a series of round or half round ties or rods constituting the rubber, and provided with a sheet-metal bottom or its equivalent, and a removable top, and with a lever for operating the machine or tub, the whole suspended upon a longitudinal pivot or axis, and operated in the manner hereinafter described.

To enable others to make and use our invention, we will describe its construction and operation, with reference to the drawing, in which—

A represents one of the semicircular heads or ends; B B are the ties or rods, by means of which the ends A are connected to each other, and which, in arrangement, are made to conform to the curved edges or faces of the heads; these ties or rods may be made in form shown in the drawing, or in any other suitable form, as round or half round, as desired, and may be arranged at such distances from each other as to constitute, when covered, a rubbing surface extending over the whole of the curved bottom of the tub. C is the bottom of the tub, secured tightly to the curved edges of the heads or ends A, and which may be made of sheet metal, or, if preferred, of boards tongued and grooved or jointed; and D D are strips or boards secured to the ends or heads on the top, in such manner as to lap over, or form otherwise a ready means of securing the edges of the metal bottom C, where metal bottoms are used. E is a removable cover, located between the strips D D, adapted to be readily removed and replaced, and secured when in place by means of buttons F, or spring-catch, &c., as may be preferred. G are pivots, secured to the end pieces A, or, if preferred, a shaft may be used, passing through the tub from end to end, so arranged as to balance or nearly balance the weight of said tub. H is an upright framing, of any suitable construction, made in this instance in form resembling an ordinary "saw-horse" or "buck," and in the upper part of which the pivots G have their bearings at the opposite ends of the tub. I is a handle or lever, secured in a socket, or staples, at one end of the tub, by means of which a vibratory or rocking motion is given to the tub when in operation, either by hand, or by the application thereto of any suitable mechanical power.

From the foregoing description of the construction of our machine, its operation will be readily understood. The articles to be washed are placed in the tub, with the requisite quantity of water, &c., and the cover E is secured in place, when, by the rocking of the tub in the manner described, they are caused to roll back and forth over the rubbers B, in such manner as quickly and effectually to cleanse them, without any liability whatever of their being torn or injured in the operation. The machine constructed as above described, but somewhat smaller in dimensions than is required for the washing machine, has been found in practice to work admirably as a churn.

What we claim as our invention, and desire to secure by Letters Patent, is—

The machine or tub, consisting of the semicircular ends or heads A, connected together by means of the ties or rubber B, and bottom C, and provided with the removable cover E, and handle or lever G, in combination with upright frame H, all arranged and operating in the manner and for the purpose described.

In testimony whereof we have hereunto subscribed our names this 21st day of June, 1867.

STEPHEN RAWDON,
L. T. ETHRIDGE.

Witnesses:

W. M. McGRANAHAN,
SMITH McGRANAHAN.