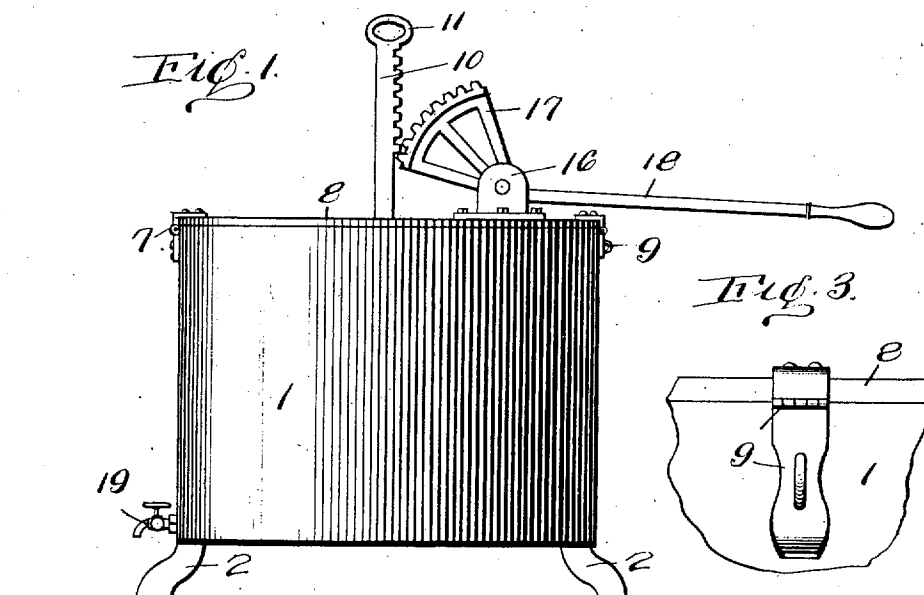
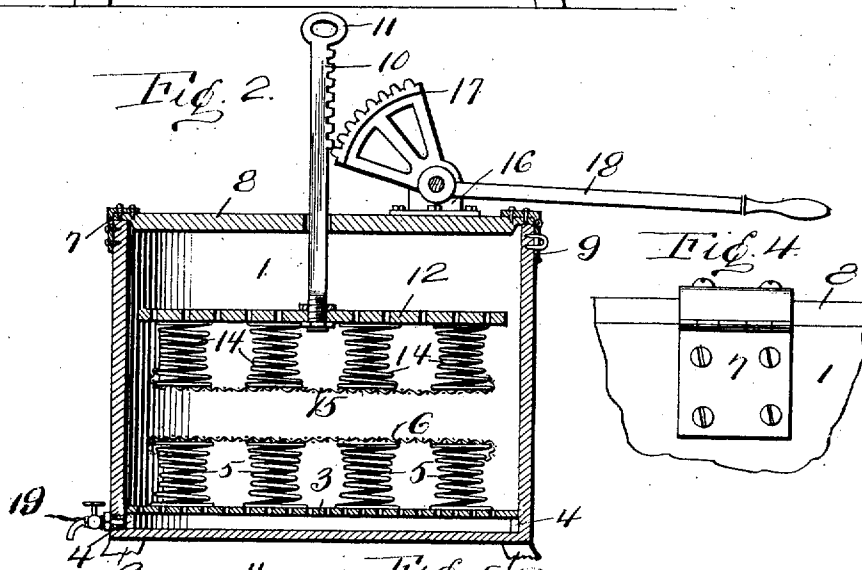
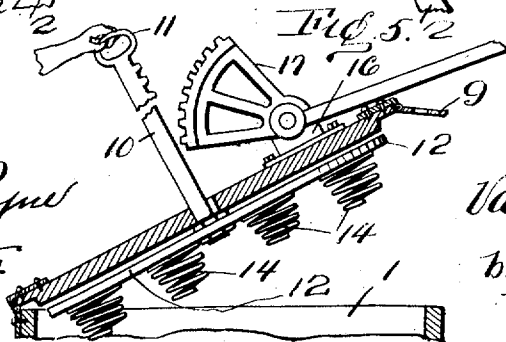


No. 847,155.

PATENTED MAR. 12, 1907.

V. BOEHM.
WASHER.

APPLICATION FILED SEPT. 6, 1906.



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UNITED STATES PATENT OFFICE.

VALERA BOEHM, OF WEST BRIDGEWATER, PENNSYLVANIA.

WASHER.

No. 847,155.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed September 6, 1906. Serial No. 333,447.

To all whom it may concern:

Be it known that I, VALERA BOEHM, a citizen of the United States of America, residing at West Bridgewater, in the county of Beaver and State of Pennsylvania, have invented certain new and useful Improvements in Washers, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to certain new and useful improvements in washing-machines; and the invention has for its primary object to provide a machine for facilitating the operation of washing and cleansing clothes.

Another object of this invention is to provide novel means for agitating clothes contained within a suitable receptacle.

A further object of the invention is to provide a simple and inexpensive machine, easily operated and quickly cleaned.

With the above and other objects in view, which will more readily appear as the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts to be presently described, illustrated, and claimed.

Referring to the drawing, forming part of this specification, like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a side elevation of my improved machine. Fig. 2 is a vertical sectional view of the machine. Fig. 3 is a fragmentary view of the machine, illustrating a hasp. Fig. 4 is a similar view illustrating a hinge, and Fig. 5 is a fragmentary sectional view of the machine.

My machine consists of a cylindrical receptacle 1, supported by legs 2. The receptacle is preferably made of sheet metal, but can be readily made of wood to resemble a tub. In the receptacle, a short distance above the bottom thereof, is detachably mounted a perforated plate 3, said plate being supported by cleats 4. Upon the plate 3 are mounted a plurality of coiled springs 5, the tops of which are covered with a woven-wire fabric 6, suitably secured to said springs. Hinged to the receptacle at 7 is a lid 8, said lid being fastened in a closed position by a conventional form of hasp 9. Loosely mounted centrally of said

lid is a vertically-disposed rack 10, having a suitable handle 11 upon its upper end. The lower end of said rack detachably supports a perforated pounder-head 12, having springs 14 similar to the springs 5. These springs have their lower ends covered by a piece of woven-wire fabric 15. The lid 8, adjacent to the rack 10, is provided with brackets 16, between which is pivotally mounted a sector-gear 17, having a rearwardly-extending lever or handle 18. The lower edge of the receptacle below the perforated plate is provided with a drain cock or faucet 19 to remove the liquid contents of the receptacle.

Operation: To place clothes in the machine, the handle 11 of the rack 10 is grasped, and the hasp 9 having been released the lid 8 is elevated. When raising the rack 10, the perforated head 12 engages the under face of the lid, as shown in Fig. 5. The clothes to be cleaned are now placed in the receptacle upon the wire fabric 6 and the machine closed. Assuming that a sufficient quantity of water has been placed in the machine, the clothes are submerged in the water between the fabrics 6 and 15. The lever or handle 18 is then reciprocated, which imparts a vertically-reciprocatory movement to the head 12, causing the fabric 15 to impinge the clothes. The head 12 and its appurtenant parts agitate the water and clothes and thoroughly cleanse and rinse the same. During this operation the springs 14 serve as compression-springs, while the springs 5 serve as retractal and cushion springs for the head 12.

The dirt removed from the clothes is adapted to pass through the perforated plate 3 and settle in the bottom of the machine, from where it can be removed when cleaning the machine or can be flushed out through the cock or faucet 19.

It is thought from the foregoing that the construction and operation of my improved washing-machine will be fully understood, and it will be noted that such changes in the size and minor details of construction as are permissible by the appended claim may be resorted to without departing from the spirit and scope of the invention.

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

In a washing-machine, a receptacle, a perforated plate supported within the receptacle adjacent the bottom of the latter, a plurality of springs mounted on said plate, a wire fabric on said springs, a perforated pounder-head, a plurality of coil-springs carried by said pounder-head, a wire fabric carried by the lower ends of said springs, and means for

suspending the pounder-head and its springs within the receptacle and operating the same. 10

In testimony whereof I affix my signature in the presence of two witnesses.

VALERA BOEHM.

Witnesses:

MAX H. SROLOVITZ,
A. J. TRIGG.