No. 671,382. Patented Apr. 2, 1901.

J. E. KELLOGG.

WASHING MACHINE.

(Application filed Aug. 22, 1900.)

(No Model.)

Fig. 1.

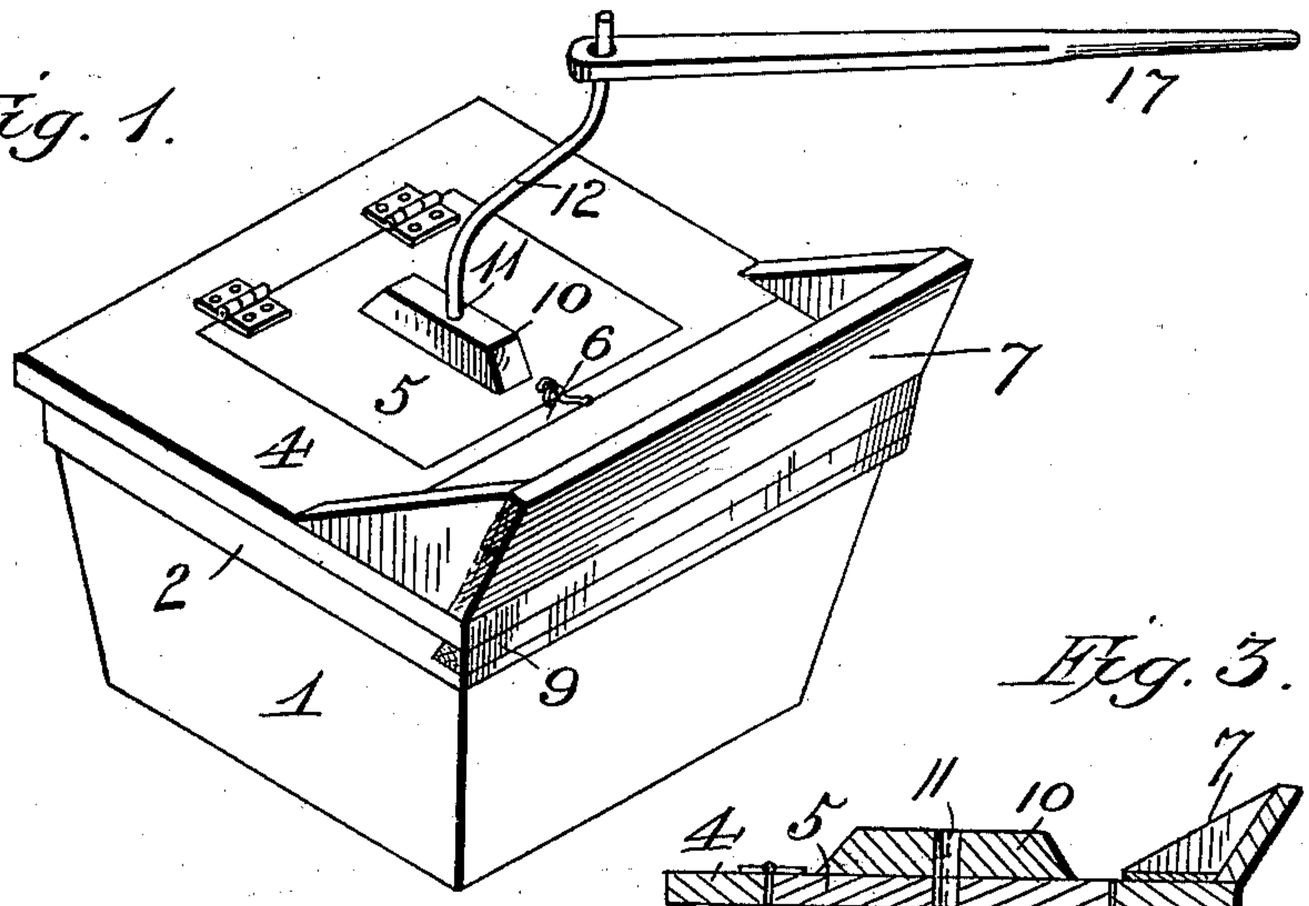


Fig. 3.

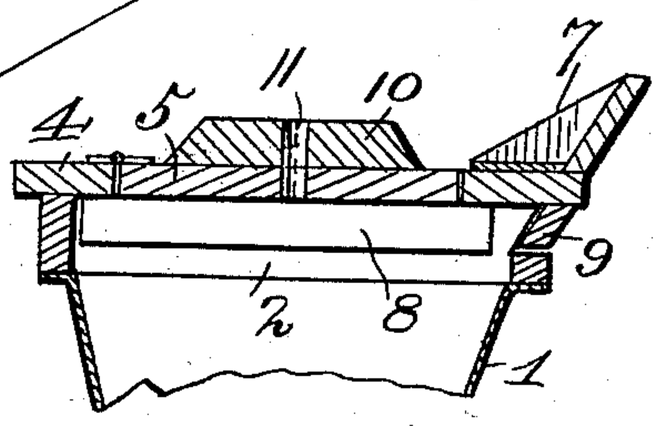


Fig. 2.

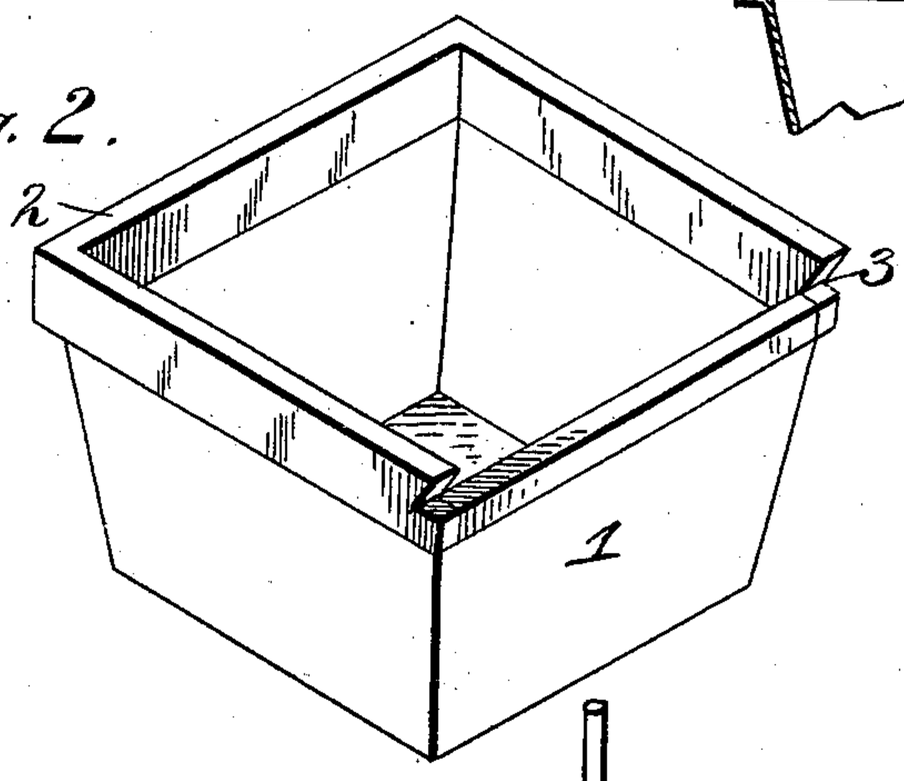
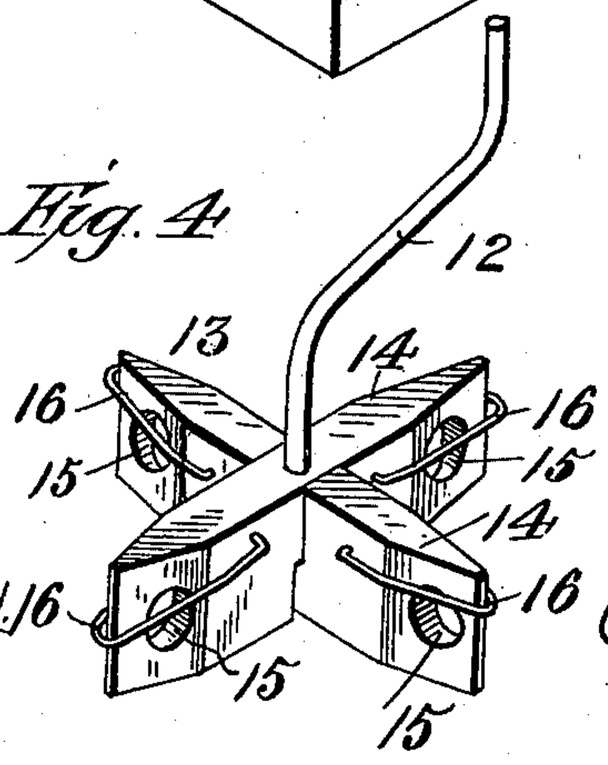


Fig. 4



Witnesses:
Franck L. Oirraud.
E. P. Bunyea

Inventor:
John E. Kellogg.
By Lawis Sagger & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

JOHN E. KELLOGG, OF OMAHA, NEBRASKA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 671,382, dated April 2, 1901.

Application filed August 22, 1900. Serial No. 27,697. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. KELLOGG, a citizen of the United States, residing at Omaha, in the county of Douglas and State of Nebraska, have invented new and useful Improvements in Washing-Machines, of which the following is a specification.

My invention relates to washing-machines; and the objects of the same are to provide a simple, convenient, durable, and efficient machine for this purpose and one that may be produced at a slight cost and which can be readily cleaned and quickly adjusted to do the work. I attain these objects by means of the construction shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a machine made in accordance with my invention. Fig. 2 is a perspective view of the tub or receptacle with the top removed. Fig. 3 is a detail section of the upper portion of the tub. Fig. 4 is a perspective view of the agitator and its crank or shaft.

Like numerals designate like parts in the different views.

In the drawings the numeral 1 designates the tub or receptacle, which may be conveniently formed of galvanized iron or other sheet metal or material. This tub is preferably rectangular in shape and tapers from bottom to top. A binding-strip 2 of uniform height surrounds the tub on three sides, and a lower binding-strip 2^a is secured to the fourth side. The ends of the binding-strip 2, which abut the lower strip 2^a, are undercut at 3 to provide means to assist in securing the cover to the tub. This cover 4 has a hinged door 5, which may be secured in closed position by a latch 6. A soap-tray 7 is also formed at one end of the cover 4. On the under surface of said cover cleats 8 are secured and a cleat 9 designed to fit snugly on the top of the binding-strip 2^a and beveled to fit into the under cuts 3 when the cover is in place.

On the top surface of the door 5 a strip or tray piece 10 is secured, and an aperture 11 is formed centrally in said strip to accommodate a crank or handle 12. Fitted to the lower end of said crank or handle is an agitator 13, which consists of two beveled crossed arms 14, of either wood or metal, said arms having holes 15 formed therein near their outer ends. These arms 14 are beveled at each end to an edge, thus making them wedge-shaped, and cross each other at right angles. Wire bails 16 are hinged to the arms 14 at a point above the holes 15. These bails are made V-shaped to closely fit the contour of the ends of the arms 14, and thus serve as clamps to hold the clothes in place, as will be described.

The operation of my invention is as follows: The door 5 is opened and swung back, giving access to the agitator 13. The clothes to be washed are soaped and the garments or parts of garments most soiled are placed over the end pieces and the wire bails are then pressed down to hold them securely in position, thus washing the garments which are most soiled faster than those garments lying loosely in the tub. The round openings near the ends of the agitator allow the free-flowing hot water to circulate, and while passing through the openings to come in contact with the garments thus secured under the wire bails, thereby causing their quick cleaning. A strong suds is placed in the tub and the door 5 is closed and latched. The crank or handle 12 is then operated in either direction to agitate and clean the clothes.

A pull-rod 17 may be attached to the handle 12 to change the motion from rotary to reciprocating.

The tub may be placed upon a stove to keep the water hot either before, during, or after the agitator is operated.

From the foregoing it will be seen that my device is simple in construction, easy to operate, can be constructed at a small cost, and is efficient for its purpose.

Having thus fully described my invention, what I claim is—

In a washing-machine, an agitator, comprising the combination, substantially as described, of two crossed arms having wedge-shaped ends, and V-shaped bails hinged to said arms, said bails being constructed to fit over the ends of said arms and serve to clamp clothes thereto.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN E. KELLOGG.

Witnesses:

GID E. JOHNSON,

AGNES C. COOK.