

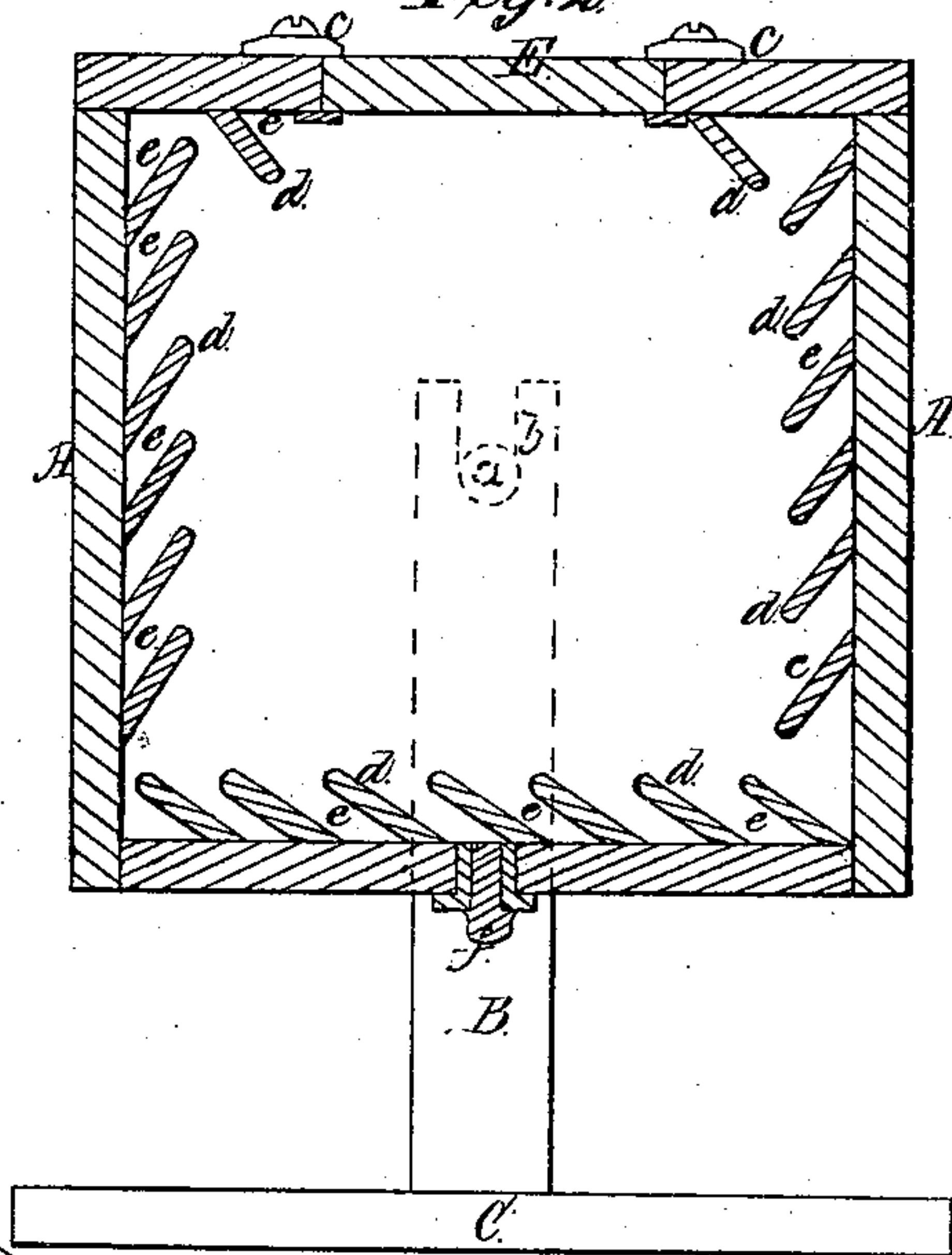
*S. S. Putnam,*

*Washing Machine,*

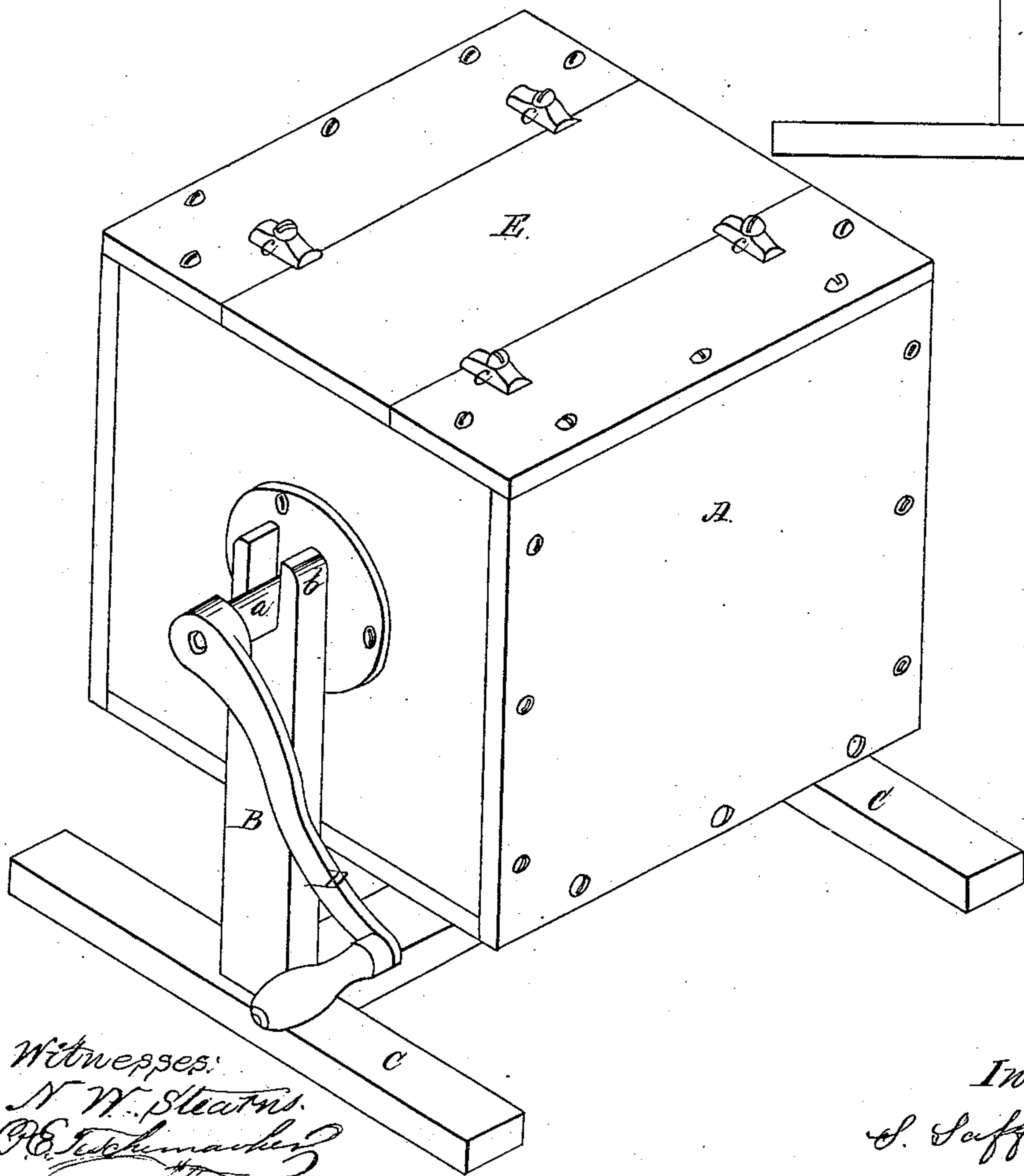
*No. 48,718,*

*Patented July 11, 1865.*

*Fig. 2.*



*Fig. 1.*



*Witnesses:*  
*N. W. Stearns.*  
*P. E. Schumacher.*

*Inventor.*  
*S. S. Putnam.*

# UNITED STATES PATENT OFFICE.

S. SAFFORD PUTNAM, OF DORCHESTER, MASSACHUSETTS.

## WASHING-MACHINE.

Specification forming part of Letters Patent No. 48,718, dated July 11, 1865.

*To all whom it may concern:*

Be it known that I, S. SAFFORD PUTNAM, of Dorchester, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Washing-Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of my improved washing-machine. Fig. 2 is a transverse vertical section through the same.

My invention has for its object to produce a simple and effective machine for washing clothes which may be operated with ease and can be furnished at a small cost, and which shall combine the advantages of a water-fall in combination with a rubbing-board; and my invention consists in a receptacle containing a number of slats attached to its sides and so arranged as to form buckets for elevating a portion of the water, and also serve as a rubbing-surface for the clothes when carried around as the box revolves, the buckets discharging their contents in streams and causing the water to be dashed down with great force upon and through the clothes, whereby they are cleansed in a thorough and expeditious manner and with very little exertion to the operator.

To enable others skilled in the art to understand and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A is a square wooden box, from the centers of the ends of which project journals *a*, which rest in bearings *b* at the top of the standards B, proceeding vertically up from the frame-work C.

D is a crank, to which power is applied to revolve the box A. The top of this box is provided with an opening, which is closed by the cover E, which is securely held in place by means of the buttons *c*.

*d* are slats placed at a short distance from and parallel to each other, and are inclined to the sides of the box, (see Fig. 2,) so as to constitute buckets *e* for elevating a portion of the water, and also form a rubbing-surface, over which the clothes pass as the box is revolved. These slats are secured in place by having their ends fitted into holes bored in the ends of the

box, the bottom of which is provided with a hole, through which the impure water passes on removing the plug *f*.

Operation: The clothes to be washed, together with the required amount of soap, are placed in the box through the opening in its top, and a sufficient quantity of water being poured therein, and the cover E buttoned in place so as to close the box water-tight, the crank D is slowly turned so as to revolve it about thirty or forty revolutions per minute, the clothes constantly moving over and rubbing against the edges and a part of the surface of the slats *d*, while a portion of the water is taken up by the buckets *e* and dashed down forcibly upon and through the clothes. After the box has been revolved for a short time—say from six to eight minutes—the clothes are removed from the box and another supply placed therein, and the operation is repeated until the water becomes impure, when it is drawn off by removing the plug *f*.

In the use of the above-described machine the necessity of soaking the clothes is avoided, and they are not required to be rubbed at all by hand; and the box being closed tightly the heat of the water is retained for a longer time than in the ordinary process of washing.

I have spoken of the receptacle A as being of a rectangular form, but it is evident that it may be constructed of a circular or polygonal form without departing from the spirit of my invention; and it is also evident that the slats *d* may be inclined at any desired angle to the sides of the box, and that they may be curved instead of straight, if preferred.

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

A receptacle having a series of buckets so arranged and inclined upon its sides as that the series on one side shall incline upward, while the series on the opposite side shall incline downward, and the series on the bottom incline from right to left, while the series on the top shall incline from left to right, so as to form buckets for dipping up and throwing the water over the clothes as well as to turn and rub them, as herein set forth.

S. SAFFORD PUTNAM.

Witnesses:

N. W. STEARNS,

P. E. TESCHEMACHER.