A. Jenny,

Washing Machine

No. 34,889 Patented Apr. 8, 1862.

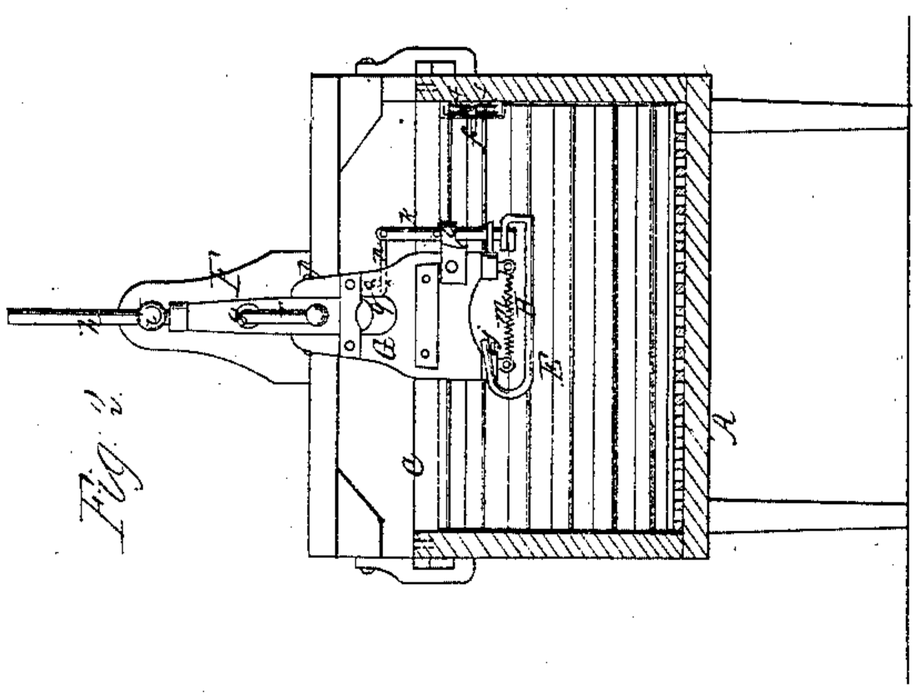

Fig. 2.

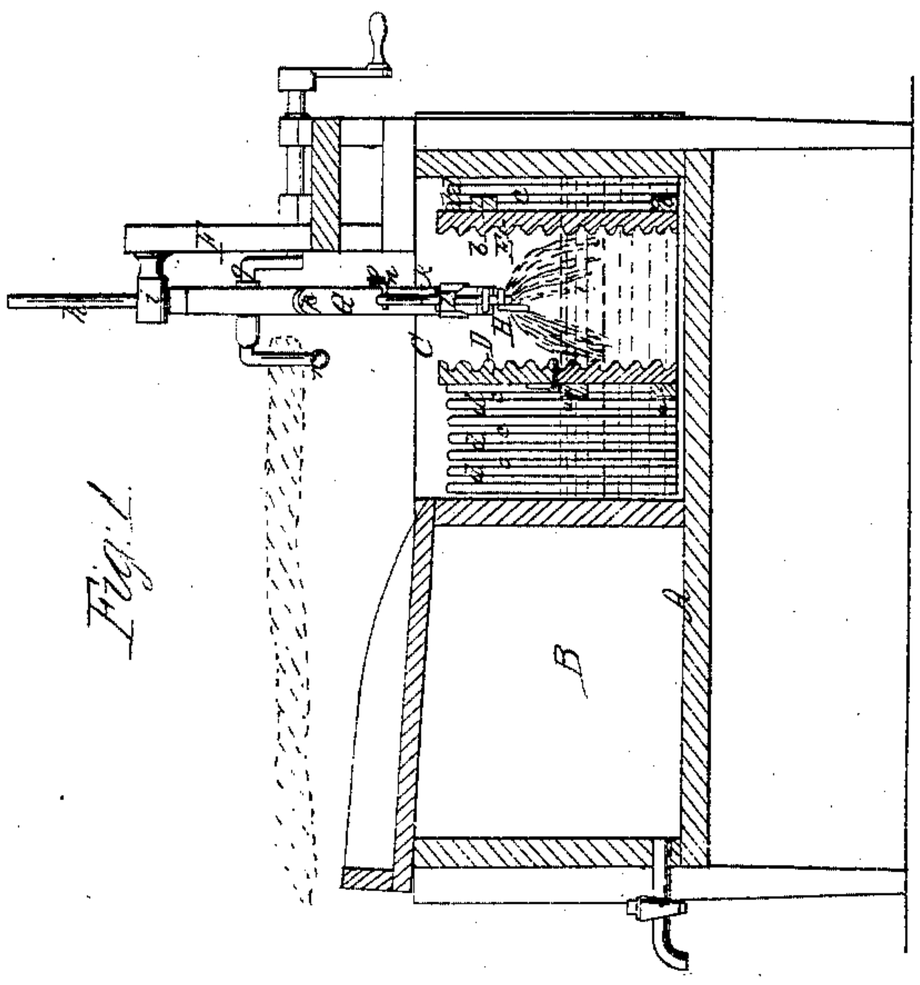

Fig. 1.

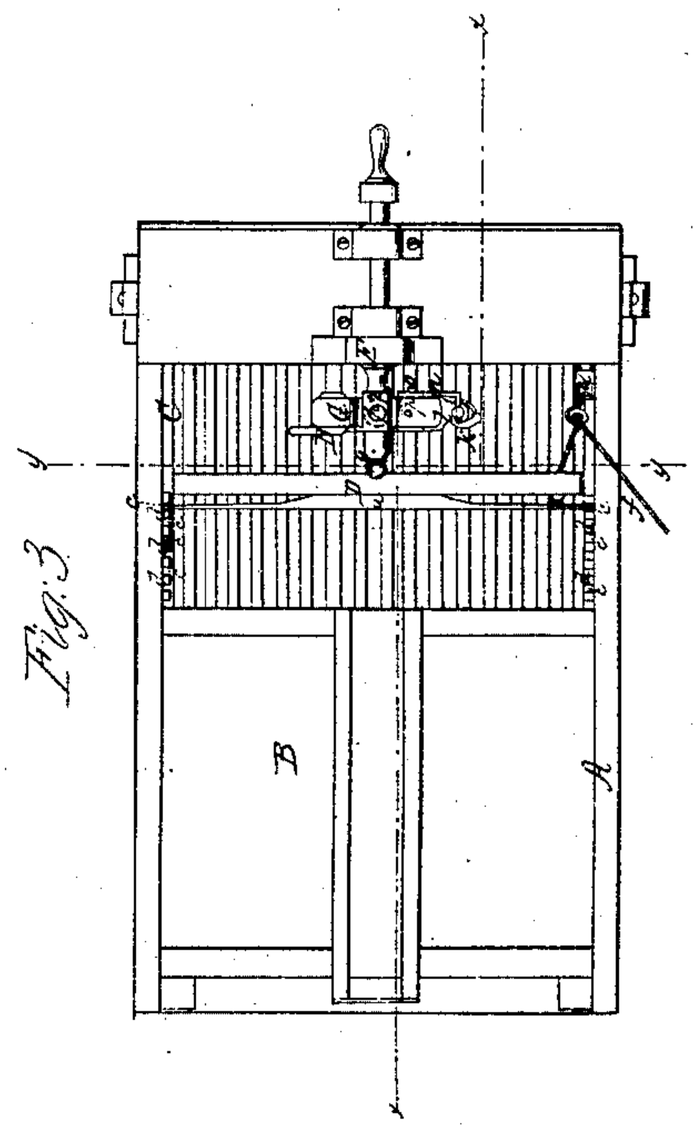

Fig. 3

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UNITED STATES PATENT OFFICE.

AUGUSTUS JENNY, OF NEW YORK, N. Y.

IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. **34,889**, dated April 8, 1862.

To all whom it may concern:

Be it known that I, AUGUSTUS JENNY, of the city, county, and State of New York, have invented a new and Improved Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a longitudinal vertical section of my invention, the line *x x*, Fig. 3, indicating the plane of section. Fig. 2 is a transverse vertical section taken in the plane indicated by the line *y y*, Fig. 3. Fig. 3 is a plan or top view of same.

Similar letters of reference in the three views indicate corresponding parts.

This invention consists in the arrangement of a reciprocating rotary pounder, to the lower hinged end of which the clothes are attached by a holder of peculiar construction, and to which motion is imparted by a crank, the front end of which serves as a wringer and also to secure the hinged part of the pounder when turned up to change the clothes, in combination with two adjustable spring wash-boards in such a manner that by the combined action of the pounder and wash-boards the clothes attached to and moved through the water with the former are washed in an expeditious manner and without injury to even the finest fabric, the clothes-holder, as well as the wash-boards, being adapted to large and small pieces of a coarse or of a fine texture.

To enable those skilled in the art to make and use my invention, I will proceed to describe it with reference to the drawings.

The tub A of my washing-machine is constructed of wood or any other suitable material and square or in any other desired form, and it is divided in two compartments B C. The compartment C contains the wash-boards D E, and it forms the support for the standard F, from which the pounder G is suspended.

The wash-boards D E are hung on springs *a b*, the ends of which catch in grooves *c c′* between the cleats *d d′*, that are firmly secured to the sides of the tub. The wash-board E is made out of one piece of wood corrugated on its face, and it is retained in its position by the groove *c′* between the cleats *d′*. The wash-board D, on the other hand, is made in two parts, the upper half being hinged, so that it can be turned back away from the pounder or that it can be raised up and turned toward the pounder, and this part is kept in the desired position by a cord or line *f* passing through rollers *f′* on the side of the tub and connecting the same to the wash-board F, as clearly shown in Fig. 3. By pulling this line the hinged part of the wash-board E is raised and the two wash-boards close up and their action on the clothes attached to the pounder increases, and vice versa. The wash-board D is further adjustable by the arrangement of the cleats *d*, a series of which is secured to the sides of the tub, thus forming several grooves *c*, which receive the ends of the springs *a*, and by these means the entire wash-board can be removed from or brought closer up to the pounder G. The bottom of the compartment C is also corrugated, so as to facilitate the washing and to allow the dirt to settle down between the ridges.

The pounder is suspended from a crank *g*, and it is guided by a rod *h*, extending through a swivel *i*, which is secured to the standard E, so that by rotating said crank the pounder assumes a rotary reciprocating motion. To the lower end of the pounder the clothes are attached by a holder H, one end of which is retained by a pin *j*, inserted into the inner edge of one arm of the pounder, while its other end is retained by a revolving catch *k*, the upright shaft of which has its bearing in a socket *l*, extending from the edge of the pounder, and which is held in position by an arm *n*, catching in a hook *o* on the back of the pounder. A spring *m*, placed above the holder H, serves to retain the clothes. By releasing the arm *n* and turning the catch *k* the holder H is freed, and it can now be conveniently taken off in order to change clothes. The clothes are simply wrapped round it, and when the holder is put back in its place they are retained by the spring *m* and the ends of the pounder. The lower portion of the pounder is hinged to its stem by a pivot *p*, so that the same, together with the holder, can be turned up, whereby the operation of changing clothes is considerably facilitated. If the lower part of the pounder is turned up, a hole *q* in the same catches over the arm *r*, projecting from the crank *g*, and is thus retained until the clothes

are changed. The arm *r* serves at the same time as a wringer.

It must be remarked that by this machine the washing is effected more by the motion of the clothes through the water than by rubbing them on the wash-boards, so that the fabric is not injured, and at the same time the wash-boards and the holder adapt themselves to large and to small pieces. The clothes can be attached and detached with the greatest ease and convenience, the washing is effected with little power simply by turning the handle, and the wringing of the clothes is effected with the greatest ease and without any extra exertion of the operator.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The arrangement of the rotary reciprocating pounder G, in combination with the adjustable spring wash-boards D E, cleats *d d*, and line *f*, constructed and operating substantially in the manner and for the purpose herein shown and described.

2. The holder H, in combination with the revolving catch *n*, spring *m*, and pounder G, substantially as specified.

3. The arrangement of the arm or wringer *r*, in combination with the crank *g* and pounder G, as and for the purpose set forth.

A. JENNY.

Witnesses:
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