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J. SCOTT.

Improvement in Washing Machines.

No. 122,918.

Patented Jan. 23, 1872.

Fig. 1.

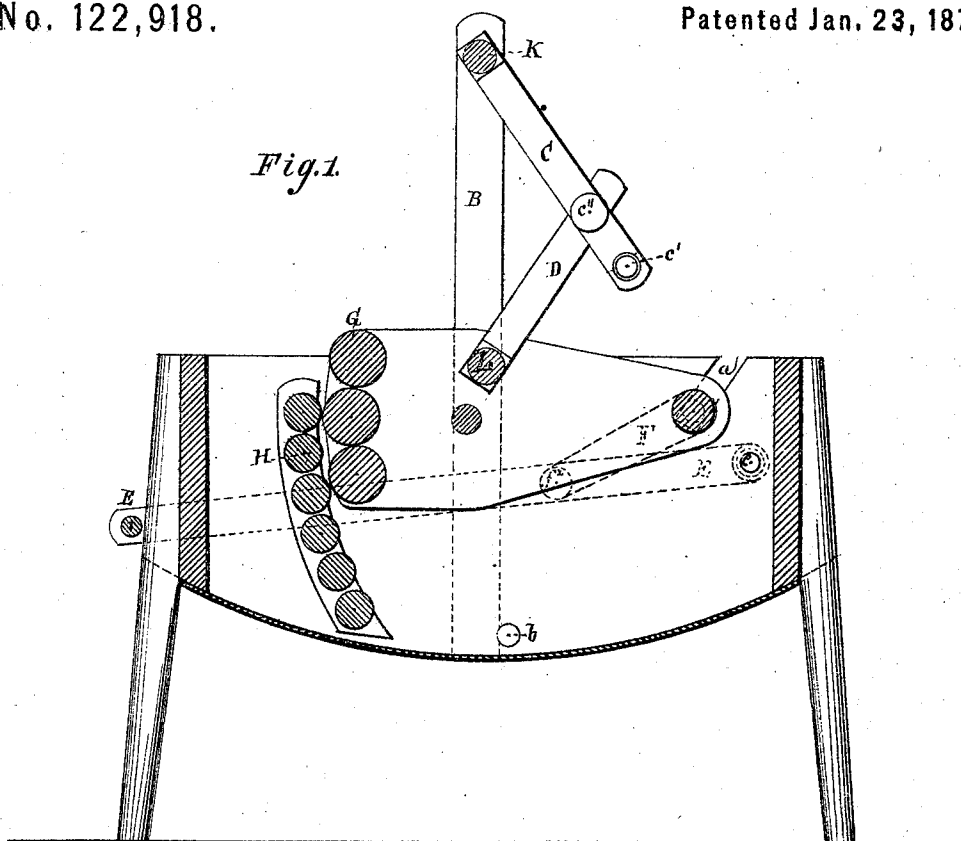
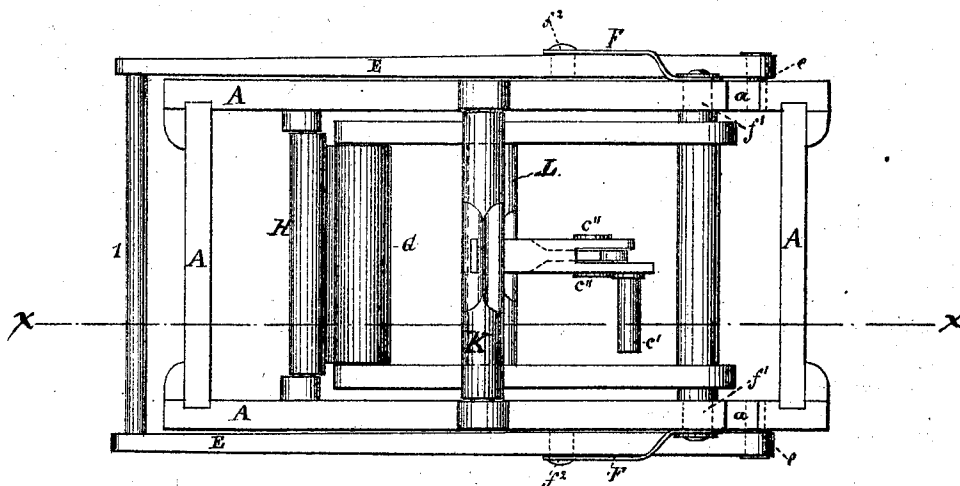


Fig. 2.



Witnesses:

B. F. James.

H. W. Barnard

Inventor:

Jerome Scott

UNITED STATES PATENT OFFICE.

JEROME SCOTT, OF CHARLESTON, PENNSYLVANIA.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 122,918, dated January 23, 1872.

To all whom it may concern:

Be it known that I, JEROME SCOTT, of the town of Charleston, county of Tioga and State of Pennsylvania, have invented a new and useful Improvement in Washing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making part and parcel of this my specification.

The nature of my invention consists in the peculiar construction of the knee-lever attached to frame-work of the machine at its upper end, and to the rubber at its lower end, so as to impart the greatest power in the operation of the machine; and, also, in the construction and arrangement of a series of levers on the outer side of a washing-machine, that by an attachment of the same to the rear end of the rubber can so adjust the same in its relation to the stationary rubber or rollers, as to admit a larger or heavier article that is being washed to pass between the movable and stationary rubbers or rollers.

In order to enable persons skilled in the art to make and use this my invention, I will proceed to describe the same.

In the drawing, A represents the box of the washing-machine, in which the clothes or materials to be cleansed are placed, and within which are located the stationary rubbers or rollers H. B are posts on each side of the box, at about its center, fastened by screws, or dovetailed into the wooden sides of the box. These posts are connected at the top by means of a roller, loosely adjusted into the same, as seen at K, and to the center of this roller is fastened the lever C, on the end of which, at *c'*, is attached the handle. This lever C is pivoted at *c''* to another and shorter lever, D, which latter lever is connected with and fastened to a movable bar or roller, placed near the forward end of the movable rubber or rollers G, at L. The projection of the lever C below its fulcrum or connection with the lever D is for the purpose of affording the most suitable place to apply the handle, by which the machine is operated; and, primarily, to impart greater power and ease in working the machine. By taking hold of the handle *c'* and moving it backward

and forward the rubber or rollers G are brought in contact with the articles to be washed, which are placed between the rubbers or rollers H and G. The rear end of the movable rubber or roller is so arranged that a rod passes through the same, having shoulders formed on each end that fit into and play within the slot *a*, formed on either side of the machine, thereby allowing an upward and backward movement that will yield in a greater or less degree, according to the quantity or thickness of the articles to be washed, that are placed between the rubbers or rollers G and H. In order to aid in this movement I arrange, on each side of the machine, the levers E, and fastened to the same, by screws or otherwise, as shown at *e*. These levers project to the forward part of the machine, and are connected together, as shown at 1. The weight of these levers is sufficient to keep the rubber or roller G in contact with the articles to be washed, owing to the connecting levers F being pivoted to levers E at *f*², and to the shoulder of the rod, on the rear end of the rubber G, at *f*¹. When, therefore, it is desired to increase the space between the two rubbers or rollers G and H, the person operating the machine can raise the levers E by means of the rod 1, that connects them, which accomplishes the result desired.

This mode of arrangement and operation can be easily and successfully applied to washing-machines containing stationary and movable rollers or rubbers working within an arc of a circle. Letter *b* in the drawing represents the ordinary outlet for the water.

Figure 1 represents a cross-section of a washing-machine containing my improvements, taken in the line *xx*, Fig. 2. Fig. 2 represents a top view of the same.

The roller or rod at the top of the frame, as well as the roller attached within the rubber, to each of which the levers C and D are attached, respectively, may be rigid, and in order to allow the required motion or movement, joints may be attached to each of said rods or rollers, into which the levers aforesaid can be adjusted.

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

1. The combination of the levers C D with

the frame B K and the movable rubber or rollers G, in the manner and for the purpose herein set forth.

2. The combination of the levers E E and F F with the movable rubber or rollers G, in the manner and for the purpose herein described.

3. The within-described mode or method of operating and controlling the movement of the

rubber or roller G of a washing-machine by means of the combination of the levers C, D, E, and F, with said roller or rubber G, in the manner and for the purpose herein specified.

JEROME SCOTT.

Witnesses:

B. F. JAMES,

EDM. F. BROWN.