

J. H. MUNDY & R. P. CONAUGHY.

Improvement in Washing Machines.

No. 125,211.

Patented April 2, 1872.

Fig. 1.

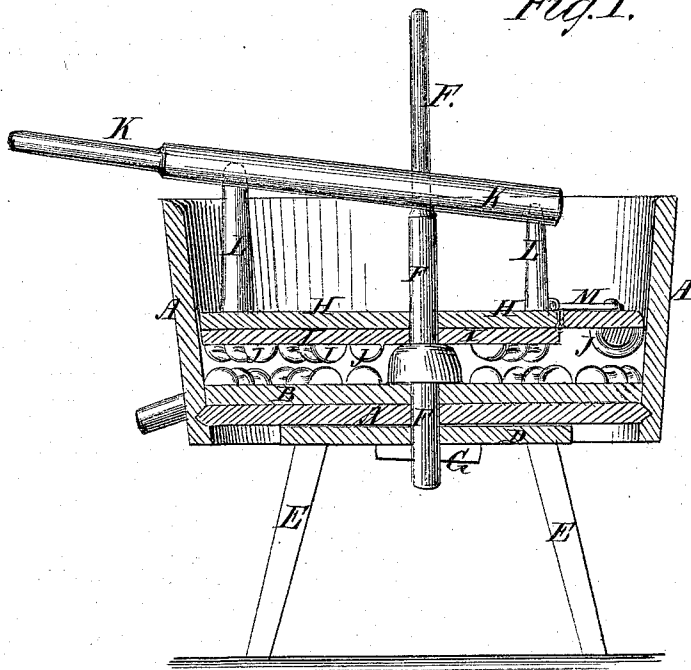


Fig. 2.

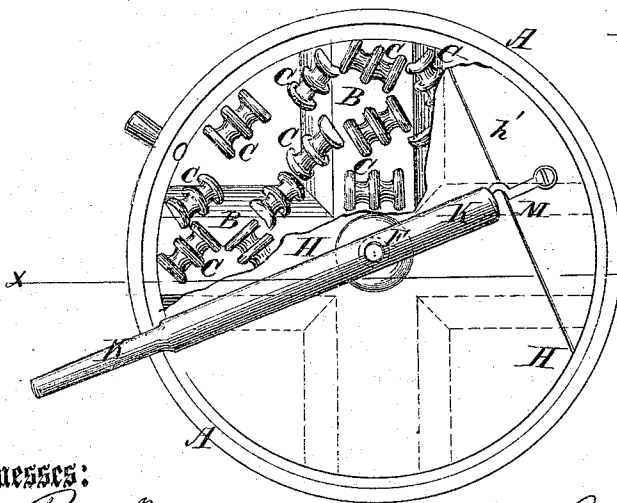
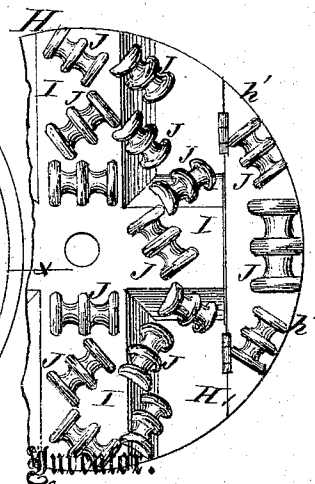


Fig. 3.



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UNITED STATES PATENT OFFICE.

MRS. SARAH MUNDY (ADMINISTRATRIX OF JAMES H. MUNDY, DECEASED)
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IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 125,211, dated April 2, 1872.

Specification describing a new and useful Improvement in Washing-Machines, invented by JAMES H. MUNDY (deceased) and ROBERT P. McCONAUGHY, of Washington, in the county of Washington and State of Iowa.

Figure 1 is a detail vertical section of the improved machine taken through the line *x x*, Fig. 2. Fig. 2 is a top view of the same, part of the upper movable rubber being broken away to show the construction. Figure 3 is a detail view of the under side of a part of the upper movable rubber.

Similar letters of reference indicate corresponding parts.

This invention has for its object to furnish an improved washing-machine simple in construction, convenient in use, and effective in operation, doing its work quickly and thoroughly, whether few or many clothes be operated upon, and which will not injure the most delicate fabric; and it consists in the construction and combination of the various parts of the machine, as hereinafter more fully described.

A is the box or tub of the machine, which may be an ordinary wash-tub, or a tub made expressly for the purpose. To the bottom of the tub A are attached bars B, which cross each other at right angles at the center of the tub, and the side edges of which are beveled off, as shown in Figs. 2 and 3. C are knuckles or projections, three or more of which are attached to the upper or plain surface of the bars B, the inner one being at right angles with the length of the said bars, and the others being inclined. Two or more of the projections or knuckles C are attached in inclined positions to each inclined or beveled edge of each bar B. One or more of the knuckles C are attached to the plain bottom of the tub A between the bars B. D is a board or plate, which is made of such a size as to enter between the chimés of the tub A and fit upon the bottom of said tub. The board or platform D is furnished with legs E of such a length as to raise the machine to a conven-

ient height. F is a post, the lower end of which, or a tenon formed upon its lower end, passes down through the center of the bottom of the tub A and of the table D, and is secured in place by a wedge-key, G, driven through it along the lower side of the said table D, as shown in Fig. 1. H is the upper or movable rubber which fits into the tub A. To the lower side of the rubber H are attached beveled edged cross-bars I in the same manner as to the bottom of the tub. J are knuckles or projections similar to the projections or knuckles C, and arranged in the same way. The movable rubber H I J has a hole formed through its center to receive the upper part of the post F, and is prevented from coming into contact with the stationary rubber by a shoulder of the said post F, as shown in Fig. 1. The upper part of the post F is made smaller, or has a long round tenon formed upon it, to receive the lever K, which is securely connected with the movable rubber H I J by two standards, L, as shown in Fig. 1. One or both ends of the lever K project beyond the tub A, so as to be conveniently reached and operated by the operator. In one or more places the outer part of the rubber H I J may be made separate from and connected with the main body of said rubber by hinges, as shown in Figs. 1 and 3, so as when left loose to drop down and thus tend to force the clothes toward the center of the machine. The part *h'* may be secured in a horizontal position by a hook, M, attached to it, and hooking into an eye or staple attached to the main part of the rubber, as shown in Figs. 1 and 2.

By this construction and arrangement of the stationary and movable rubbers the clothes will be completely turned over as they pass from the higher to the lower parts of said rubbers, so that all their parts will be completely cleaned.

Having thus described the invention of J. H. MUNDY (deceased) and R. P. McCONAUGHY, we claim as new and desire to secure by Letters Patent—

1. The arrangement of the beveled-edged cross-bars B I and projections or knuckles C J with the bottom of the tub A and the movable board H, substantially as herein shown and described, and for the purpose set forth.

2. The combination of the tub A, beveled-edged cross-bars B, projections or knuckles C, platform or bench D E, post F, wedge-key G, board H, cross-bars I, projections or knuckles J, lever K, and standards L with each other,

substantially as herein shown and described, and for the purpose set forth.

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