T. H. Tatlow, Jr.

Washing Machine.

No. 97,725. Patented Dec. 7, 1869.

Fig. 1.

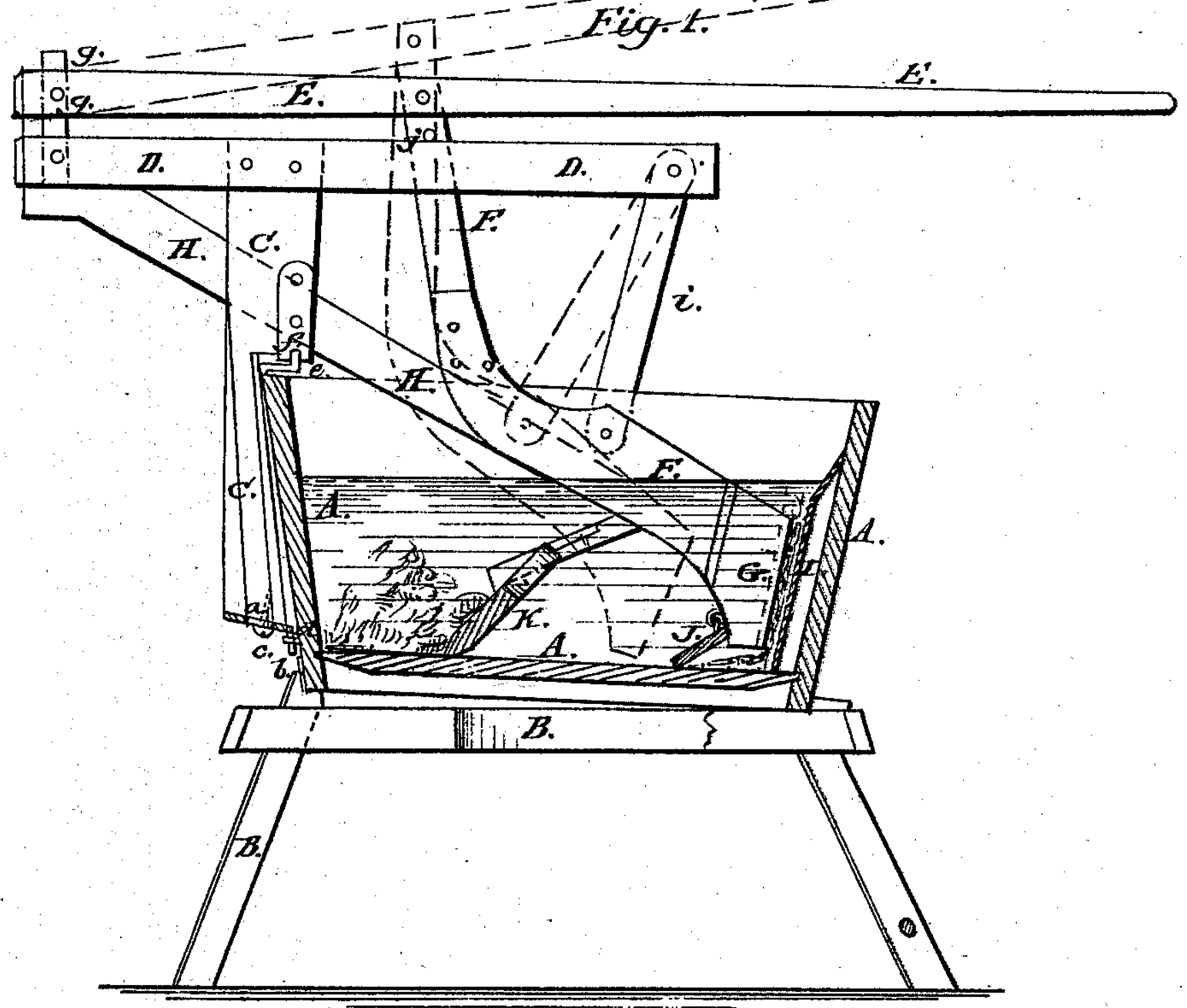
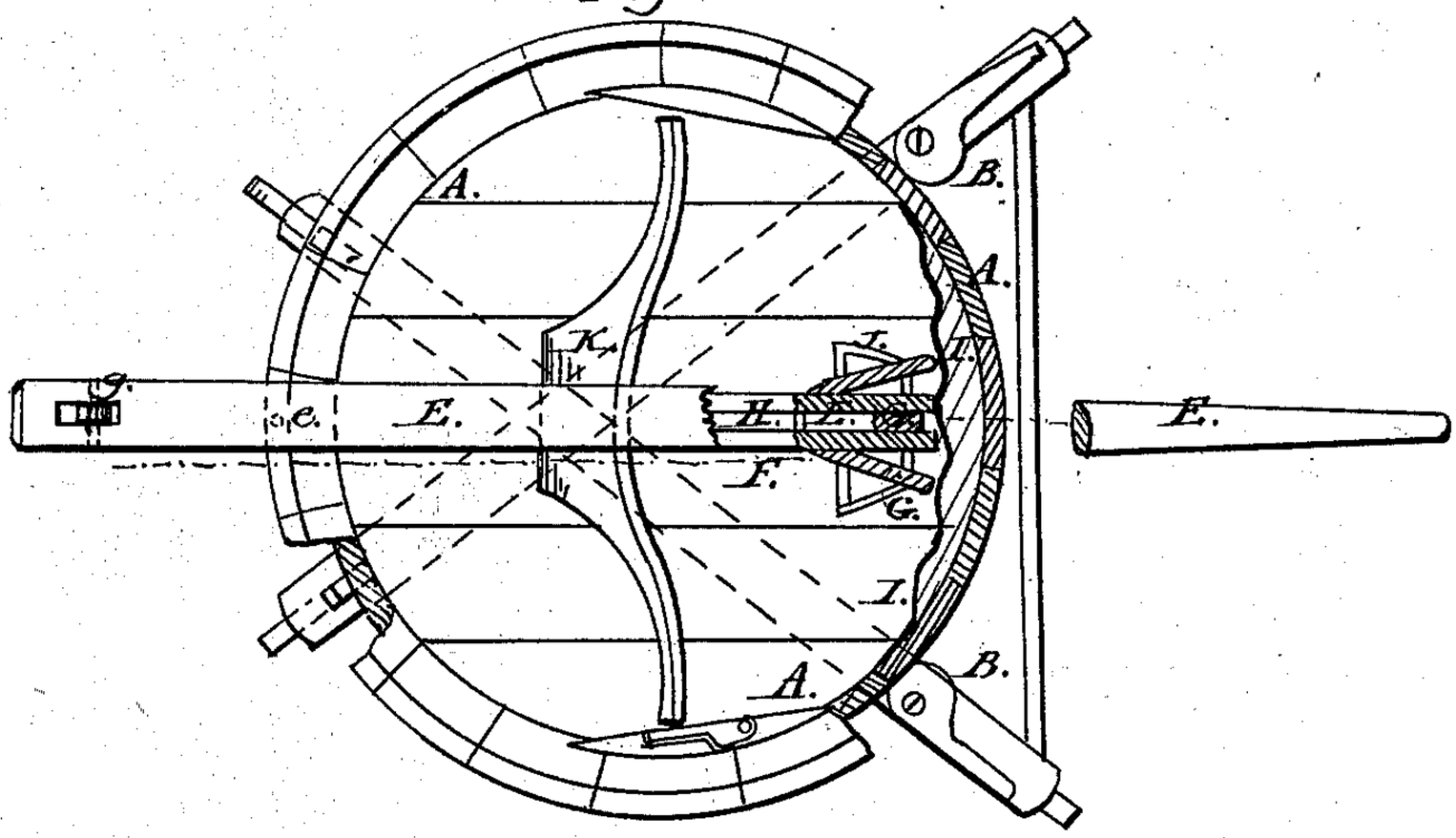


Fig. 2.



Witnesses
Chas. Nida
J. Hinchman

Inventor:
T. H. Tatlow Jr
per
Munn & Co.
attorneys

United States Patent Office.

THOMAS H. TATLOW, JR., OF NEWARK, MISSOURI.

Letters Patent No. 97,725, *dated December* 7, 1869.

IMPROVEMENT IN WASHING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, THOMAS H. TATLOW, Jr., of Newark, in the county of Knox, and State of Missouri, have invented a new and Improved Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a side elevation, partly in section, of my improved washing-machine.

Figure 1 is a plan or top view, partly in section of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new washing-machine, in which the rubber is attached to a lever that can be oscillated both in a vertical and horizontal direction, to obtain the requisite action on the articles to be cleaned.

The invention consists chiefly in a novel manner of moving the rubber, and in a new arrangement of leverage; also in a slotted step for adjusting the height of the rubber; further, in the application of a hinged fender to the rubber, and, finally, in the use of a pivoted and removable guard in the tub, all as hereinafter more fully described.

A, in the drawing, represents the tub or suds-box, of suitable form, size, and material, clamped or otherwise fastened upon a bench, B, or other suitable support.

C is an upright post, which carries, at its upper end, a horizontal bar, D.

The post C is pivoted to the outer side of the suds-box.

For this purpose, a slotted plate, *a*, carrying a downward-projecting pin, *b*, is attached, by means of a screw, *c*, to its lower end, so that the pin *b* may be fitted into an eye or perforated plate, *d*, arranged on the outside of the tub A.

On the upper part of the tub is provided an upward-projecting pin, *e*, which fits into a socket in a shoulder, *f*, of the post, as in fig. 1.

The post is, therefore, by the pins *b* and *e*, pivoted to the tub, so that it can be swung horizontally on the same.

From the outer end of the bar D projects an upward ear, *g*, to which a lever, E, is pivoted.

To the middle portion of the lever E is pivoted, by a pin, *h*, a curved lever, F, which fits through a slot of the bar D, into the tub, and which carries the rubber G at its lower end.

The middle part of the lever F is, by a rod, *i*, connected with the front end of the bar D.

An oblique brace, H, attached to the post and rear part of D, may be used to fit with its lower end into a slot of F, to steady the rubber.

The face of the rubber is corrugated in suitable manner.

A pin, *j*, fitted through the upper part of F, supports it on D, in the lowest position.

Opposite to the face of the rubber is secured, in the tub, a curved, corrugated, or other wash-board, I.

The articles to be washed are placed against the wash-board when the rubber is drawn in, by elevating the lever E, as by red lines in fig. 1.

The rubber is then, by lowering E, moved toward the wash-board to press the clothes against the same, and is then moved back and forth along the face of the wash-board, by swinging the lever E horizontally on the pivots *b e* of the post.

The rubber can thus be moved backward and forward by raising or lowering the lever E, or sideways by oscillating the post.

The more the pin *b*, by adjusting the slotted plate *a*, is moved toward the tub, the more will the post stand inclined, and the lower will the rubber be held.

A plate, J, is hinged to the back of the rubber to rest with its lower edge on the bottom of the tub, for the purpose of preventing the clothes from dropping back and from becoming entangled.

K is a plate, pivoted at its ends to the inside of the tub, across the same, so as to rest in an inclined direction on the bottom of the same. It serves as a partition to retain the washed clothes in the back part of the tub, and acts also as a guard for larger articles, to prevent them from becoming entangled.

The plate K can be removed, and is not necessarily used when the guard J is employed, and *vice versa*.

The tub is placed so as to be somewhat lower where the wash-board is arranged, as shown, to keep the same always immersed in suds.

Having thus described my invention,

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

1. The laterally-oscillating, backward and forward as well as up and down adjustable rubber, G, of a washing-machine, when arranged to operate against a curved wash-board, substantially as herein shown and described.

2. The combination of the rocking-post C and bar D, with the levers E F, rubber G, hinged guard J, and rod *i*, all arranged and operating substantially as herein shown and described.

3. The above, in combination with slotted plate *a*, carrying the pin *b*, when adjustable on the pivoted end of the post C, for regulating the height of the rubber, substantially as herein shown and described.

4. The removable pivoted guard and partition K, when arranged and combined with the other parts of the machine, substantially as and for the purpose herein set forth and described.

THOMAS H. TATLOW, JR.

Witnesses:

FRANK BLOCKLEY,

C. L. TOPLIFF.