

H. FALKENTHAL.
WASHING MACHINE.

Patented July 28, 1885.

Fig. 2.

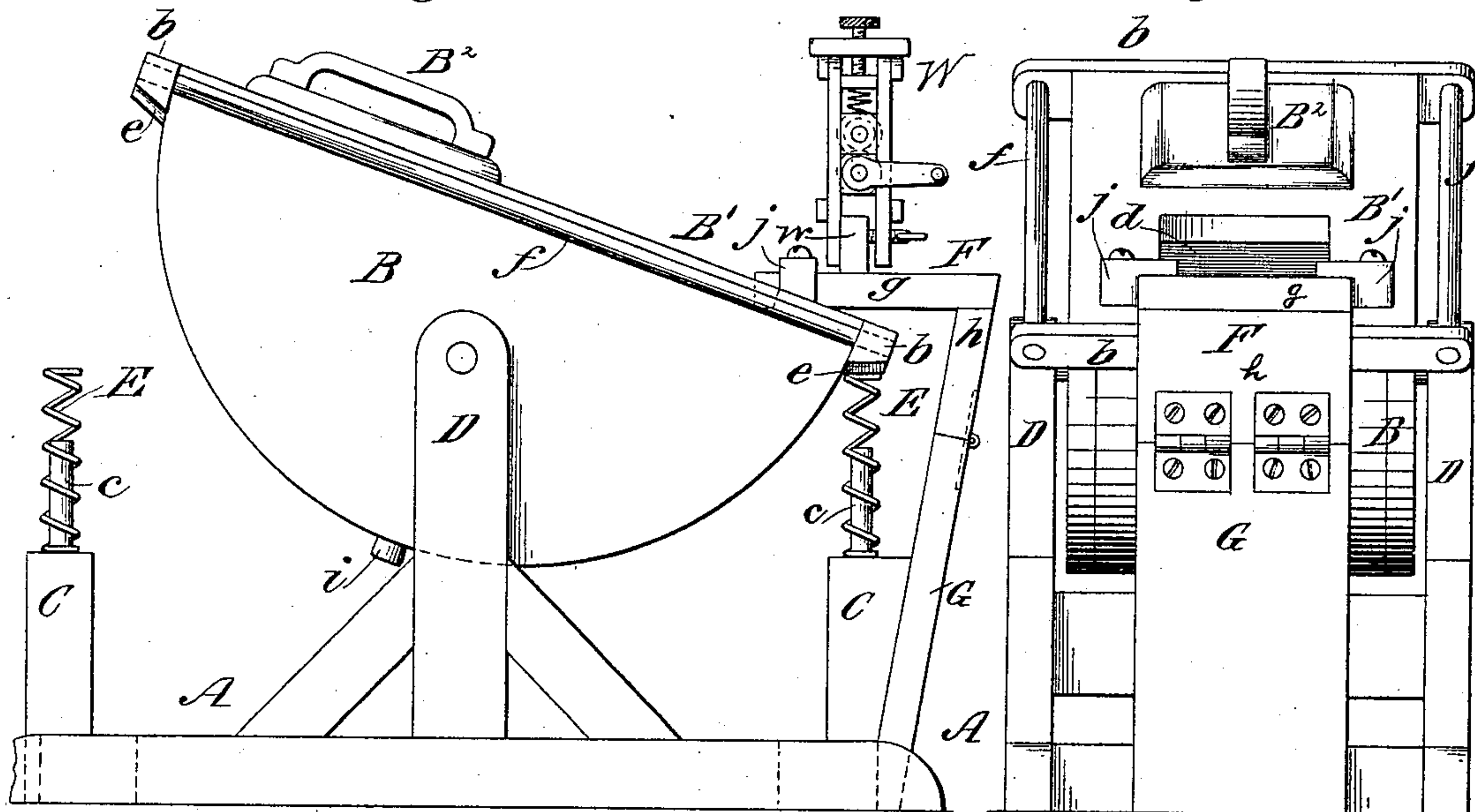
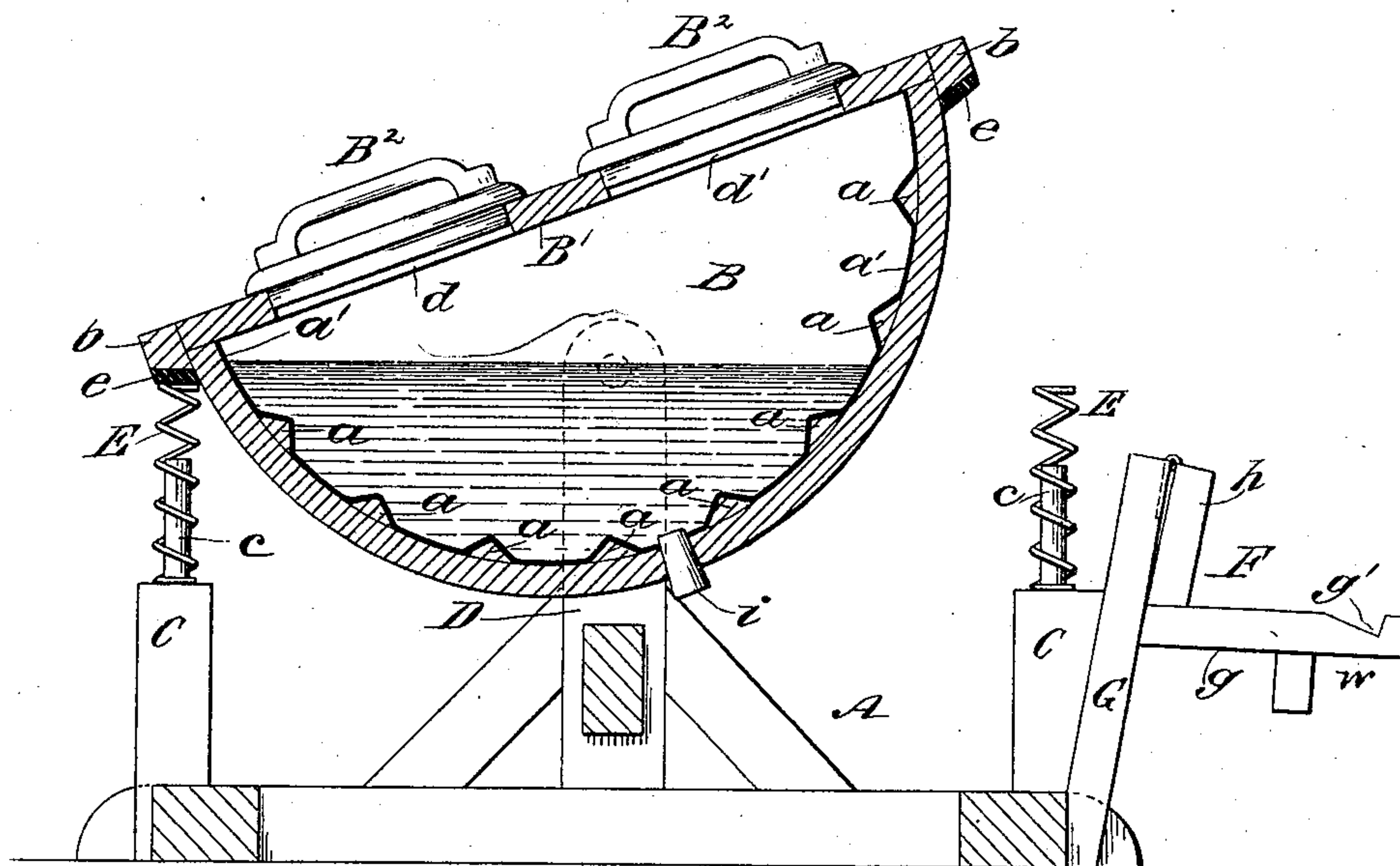


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY FALKENTHAL, OF BOZEMAN, MONTANA TERRITORY.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 323,133, dated July 28, 1885.

Application filed March 26, 1884. (Model.)

To all whom it may concern:

Be it known that I, HENRY FALKENTHAL, of Bozeman, in the county of Gallatin and Territory of Montana, have invented a new and Improved Washing - Machine, of which the following is a full, clear, and exact description.

The invention consists in the construction, arrangement, and combination of parts, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of my new and improved washing-machine as it appears when the hinged board for holding the wringer is arranged for holding the wringer in position for use. Fig. 2 is a front elevation of the same; and Fig. 3 is a sectional elevation of the machine, the wringer-board being thrown back out of the way.

The frame A of the machine is provided with the side uprights, D D, in and between which the body B is pivoted, and also with the end uprights, C C, upon the studs *c c* of which are placed the coiled springs E E, upon which the ledges or cross-pieces *b b* of the body B are adapted to alternately strike when the body B is rocked upon its pivots.

The body B is by preference made semi-circular in form, and is formed or provided upon the inside with the ridges *a a*, and is lined upon the inside with the lining *a'* of zinc or other suitable material, and the body B is covered at the top with the cover B', which has the large openings *d d'* made through it, which are adapted to be tightly closed by the covers B² B². The ledges or cross-pieces *b b* are extended at their ends past the sides of the body B, and in them are fitted the rounds *f f*, by which the body B may be conveniently rocked upon its pivots, and the under surfaces of the cross-pieces *b* are provided with the strips *e e* of soft rubber or similar material to prevent noise when the body is rocked and the ledges or cross-pieces *b* brought into contact with the springs E.

F is the support, to which the wringer W is to be secured either by the board *w* or by any suitable means. The support F is hinged to

the upper end of the upright G, secured to the frame A, and is composed of the boards *g h*, secured together about at right angles. The board *g* is formed with the notch, as shown at *g'*, Fig. 3, which notch, when the support F is swung upward, is adapted to engage with the top B' of the body B in the opening *d'*, and be there held by the buttons *j j*, as will be understood from Figs. 1 and 2, for holding the body B and support F and wringer W in position for wringing the clothes.

In use, the clothes to be washed, together with a suitable quantity of water, will be placed through the openings *d d'* into the body B. The covers B² B² will then be put in place and the body B rocked backward and forward upon its pivots, the springs E E serving as buffer-springs to limit the motion of the body B, and by their reaction to assist the rocking movement of the body B, so that after the body B is once well started in its rocking movement only a slight exertion will be required to keep it in motion. The rocking movement of the body B will cause the water and clothing to be thrown from end to end of the body B, and the clothing passed over the ribs or ridges *a* and violently agitated, which will cause the rapid removal of the dirt from the clothes. The clothes having been in this manner washed clean, the water will be drawn off from the body A by removing the plug *i*, and the covers B² removed, and then the body A will be turned upon its pivots toward the wringer-support F, and then this support will be turned upward upon its hinges, carrying the wringer W with it to the position shown in Fig. 1, where the notch *g'* will engage with the cover B' in the opening *d'*, and be there held by the buttons *j j*, so that the wringer is held in convenient position for use.

The clothes having been wrung, the buttons *j j* will be turned to release the support F, and then the support and wringer W will be turned to the position shown in Fig. 3, where the wringer will be held out of the way without detaching it from the washing-machine.

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

1. The combination, with the frame A, rock-

ing body B, and its end cleats, *b*, of the uprights CC, having the studs *c c*, and the spiral springs E, mounted on the studs below the cleats, substantially as set forth.

- 5 2. The hinged support F, composed of boards *g h*, the board *g* being notched as shown at *g'*, in combination with the body B,

provided with the buttons *j*, substantially as and for the purposes set forth.

HENRY FALKENTHAL.

Witnesses:

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HENRY HOESLY.