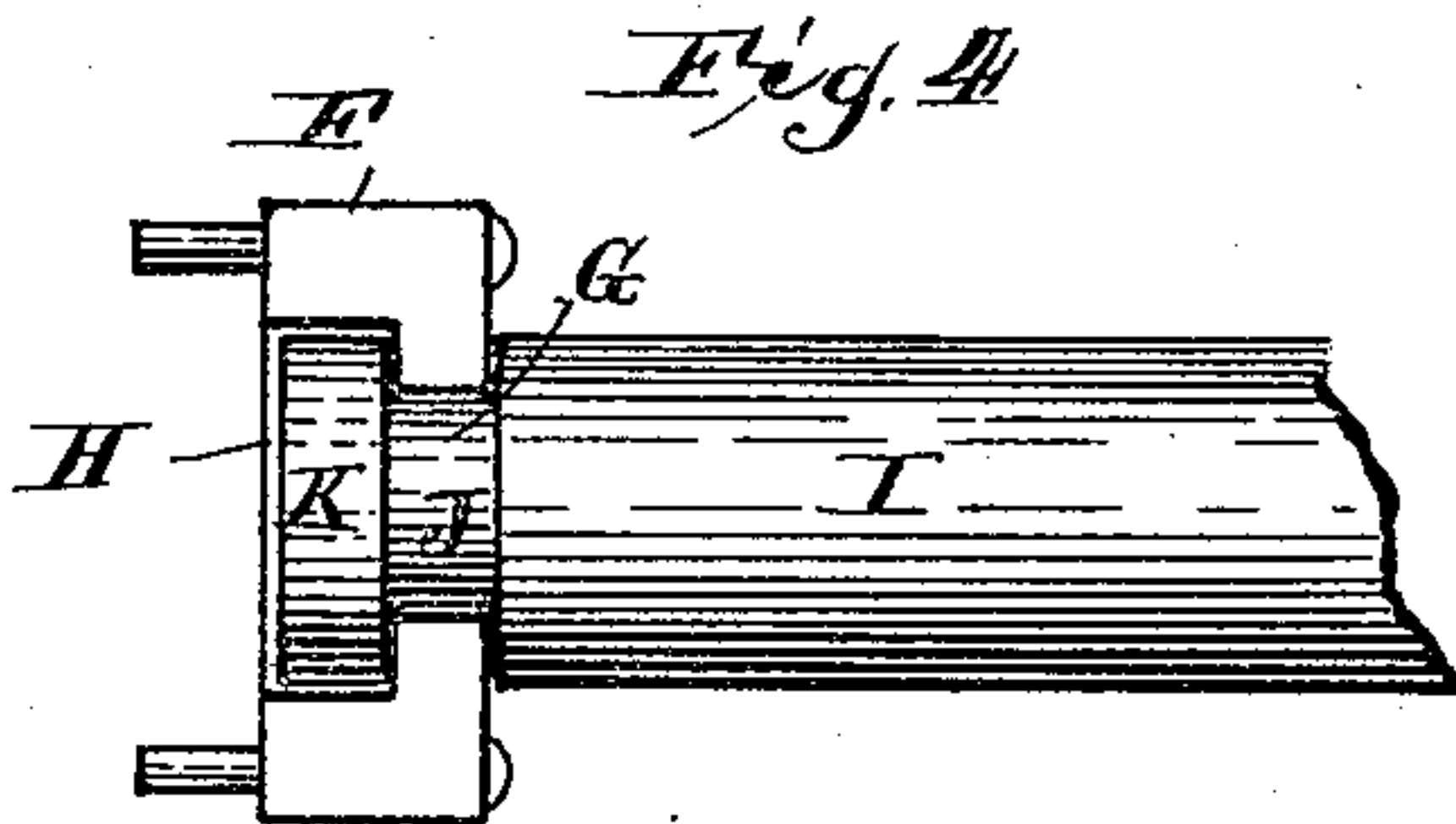
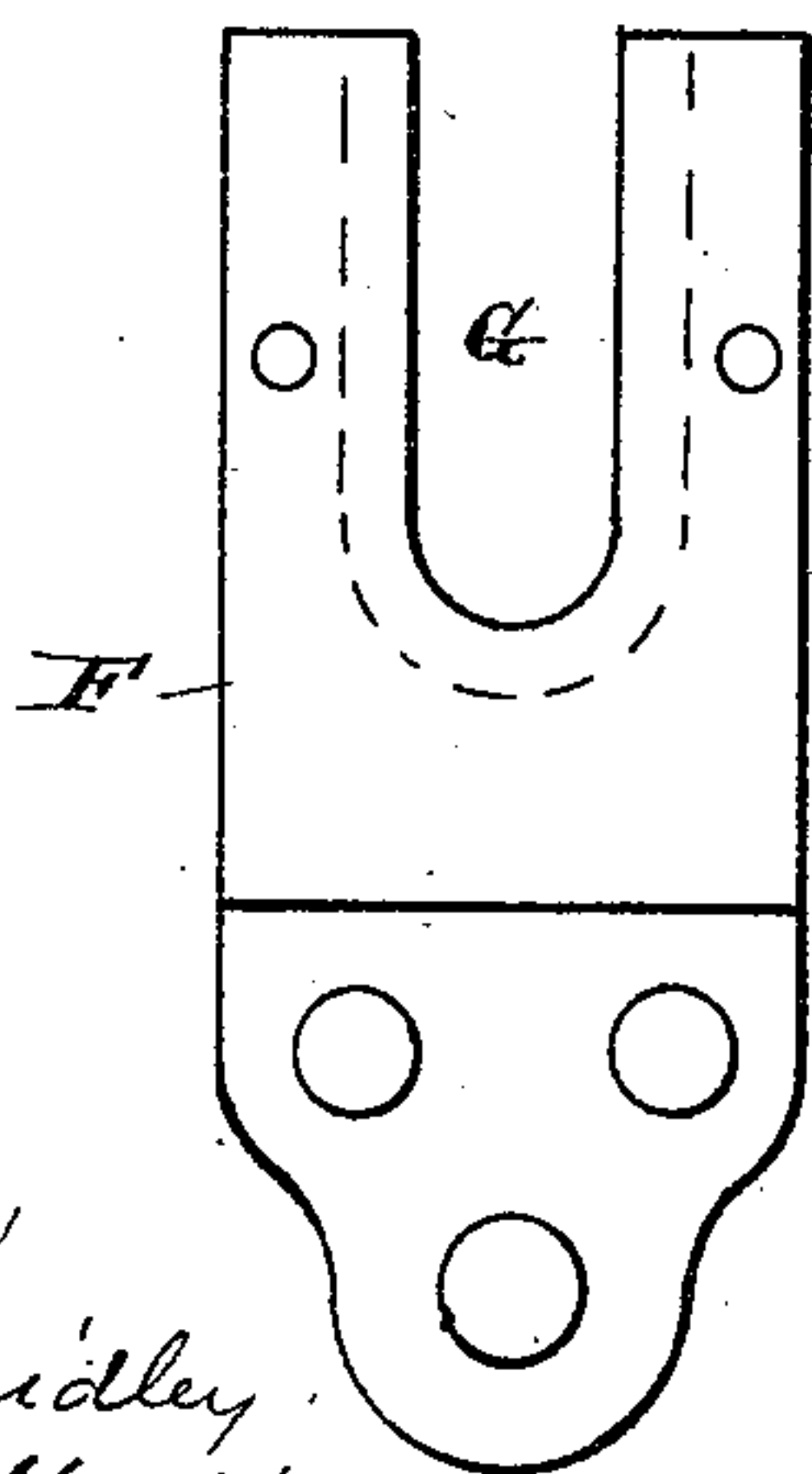
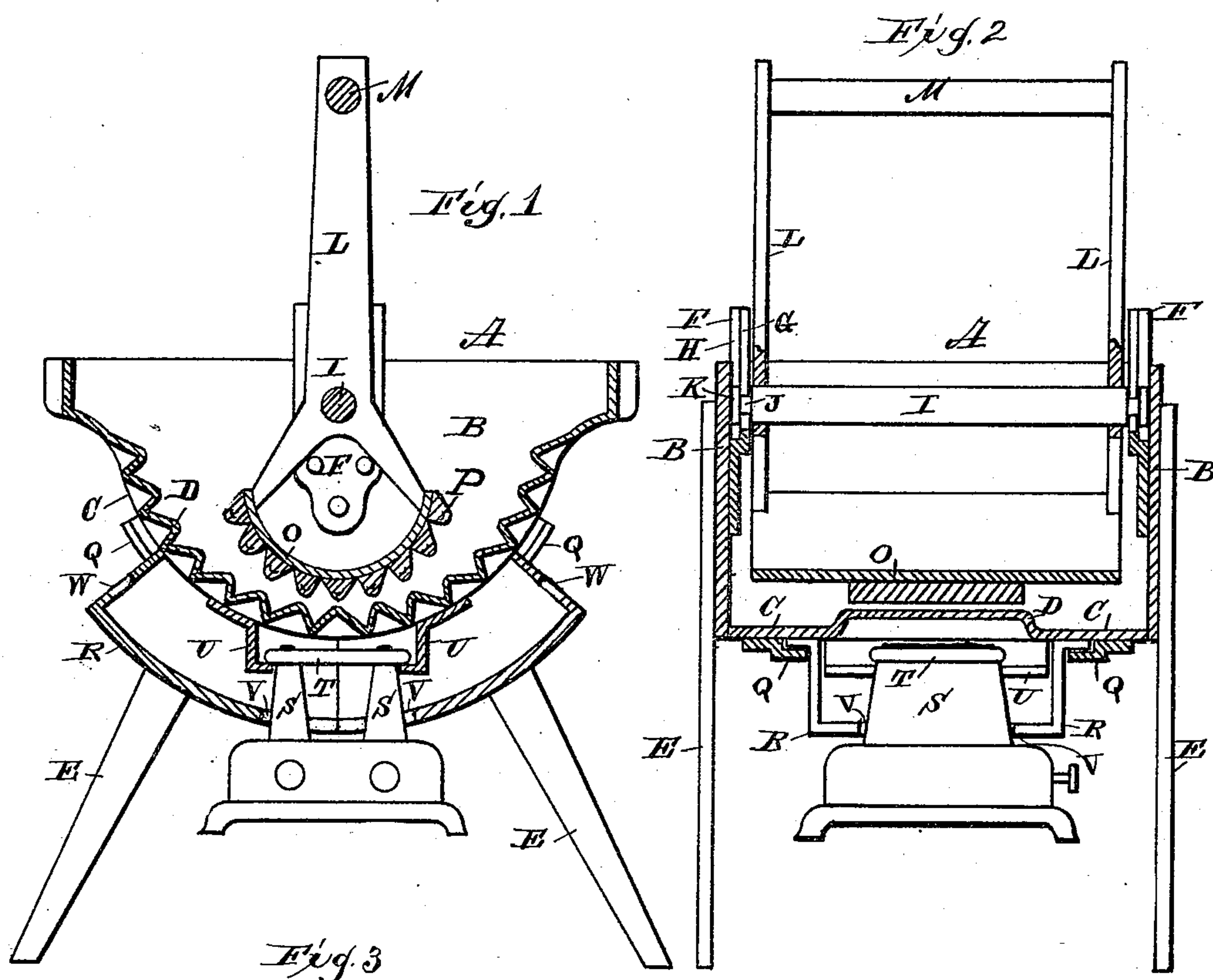


(No Model.)

H. C. MEEKER.  
WASHING MACHINE.

No. 426,836.

Patented Apr. 29, 1890.



Witnesses  
G. M. Gridley  
J. Frank Martin

Inventor  
Henry C. Meeker,  
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his Attorney.



# UNITED STATES PATENT OFFICE.

HENRY C. MEEKER, OF DESHLER, OHIO.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 426,836, dated April 29, 1890.

Application filed May 27, 1889. Serial No. 312,189. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY C. MEEKER, a citizen of the United States, residing at Deshler, in the county of Henry and State of Ohio, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in washing-machines; and it consists in the peculiarities hereinafter described, and more fully pointed out in the claims.

In the accompanying drawings, forming a part of this specification, and on which like reference-letters indicate corresponding parts, Figure 1 represents a vertical transverse sectional view of my improved machine; Fig. 2, a longitudinal vertical section of the same; Fig. 3, an inside elevation of the rubber shaft-support, and Fig. 4 a plan view of this support and a portion of said shaft.

The letter A designates the body of the machine, which is constructed of sheet metal, preferably galvanized sheet-iron, and of the contour illustrated. The ends B are secured to the bottom C in any desired manner. The bottom, in the greater portion of its length and in a belt of the desired width, is fashioned in corrugated or fluted form, as suggested at D. This corrugation may be effected by means of suitable dies in the manufacture, and one of its peculiarities is that the corrugations at either side of a vertical center have their longer portions running toward a center line and their shorter portions presented toward and against the action of the rubber as it moves toward either side of such center. This formation renders the rubbing action more effective without liability to injure the clothes. The body is supported by suitable diverging legs E in pairs at each end, and within the side pieces of the body are secured plates F, slotted vertically and rabbeted, as seen at G and H in Figs. 3 and 4. The rubber shaft I is fashioned with a neck and head J and K and fitted to the slot and rabbet so as to rock therein and yet be readily removable. To this shaft are secured rubber arms L, one near each end. They are connected

near their upper ends by a hand-bar M, and are bifurcated at their lower ends, and have secured to them a segmental strip O, of wood or metal. To this strip and on the lower side is secured a belt of corrugated rubber or wood P, of about the same width as the corrugations D. To the under side of the bottom I fasten two ways Q, within which are slidingly fitted two hoods or casings R, of sheet metal. These hoods incase a belt extending any suitable length across the bottom, and, in connection with the bottom, constitute a chamber for containing the heat arising from the heating device. These hoods may be moved to and from each other to insert and remove the heating device. The preferred form of this device is a small oil-stove of any approved type, to the wick-tubes S of which is secured a flange T, adapted to hang on the brackets U, secured to the bottom. Small openings V are formed in the hoods to supply sufficient air to support combustion, and other openings W are provided to admit of a suitable draft.

By manipulating the rubber in the usual way it will be observed that the clothes will be abrasively treated with direct effect by the opposing corrugations D. By means of the stove-lamp or other heating device it will be seen that the water in the machine can be kept at the proper temperature.

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

1. In a washing-machine, the combination, with the body thereof, ways secured to the bottom, and hood-sections slidingly fitted to said ways and adapted to meet at their inner ends and having air-vents, of brackets secured to the body and a stove suspended from said brackets, with the burner-tubes adjacent to the bottom of the body.

2. In a washing-machine, the combination, with the body and a heating-lamp secured beneath the same, of a hood composed of sliding sections enveloping the burners of said lamp, the space between the hood and the bottom being adapted to receive heat from the lamp, and suitable draft-openings.

3. In a washing-machine, the combination, with the body composed of sheet metal and having a corrugated belt occupying a portion

of the width of the body, leaving a smooth or  
regular belt or space in the bottom at either  
side of the said corrugations, of a rubber  
mounted within the body and having a belt  
5 of corrugations about the same width as the  
corrugated belt in the bottom and over the  
same, the rubber extending to either side and  
over the smooth surface of the bottom, where-  
by the clothes are afforded a space to accumu-

late in while portions of them are being so  
rubbed.

In testimony whereof I affix my signature in  
presence of two witnesses.

HENRY C. MEEKER.

Witnesses:

T. L. HENRY,

JOHN W. PFAFF.