

(No Model.)

S. E. GIBSON.
WASHING MACHINE.

No. 478,004.

Patented June 28, 1892.

Fig. 1.

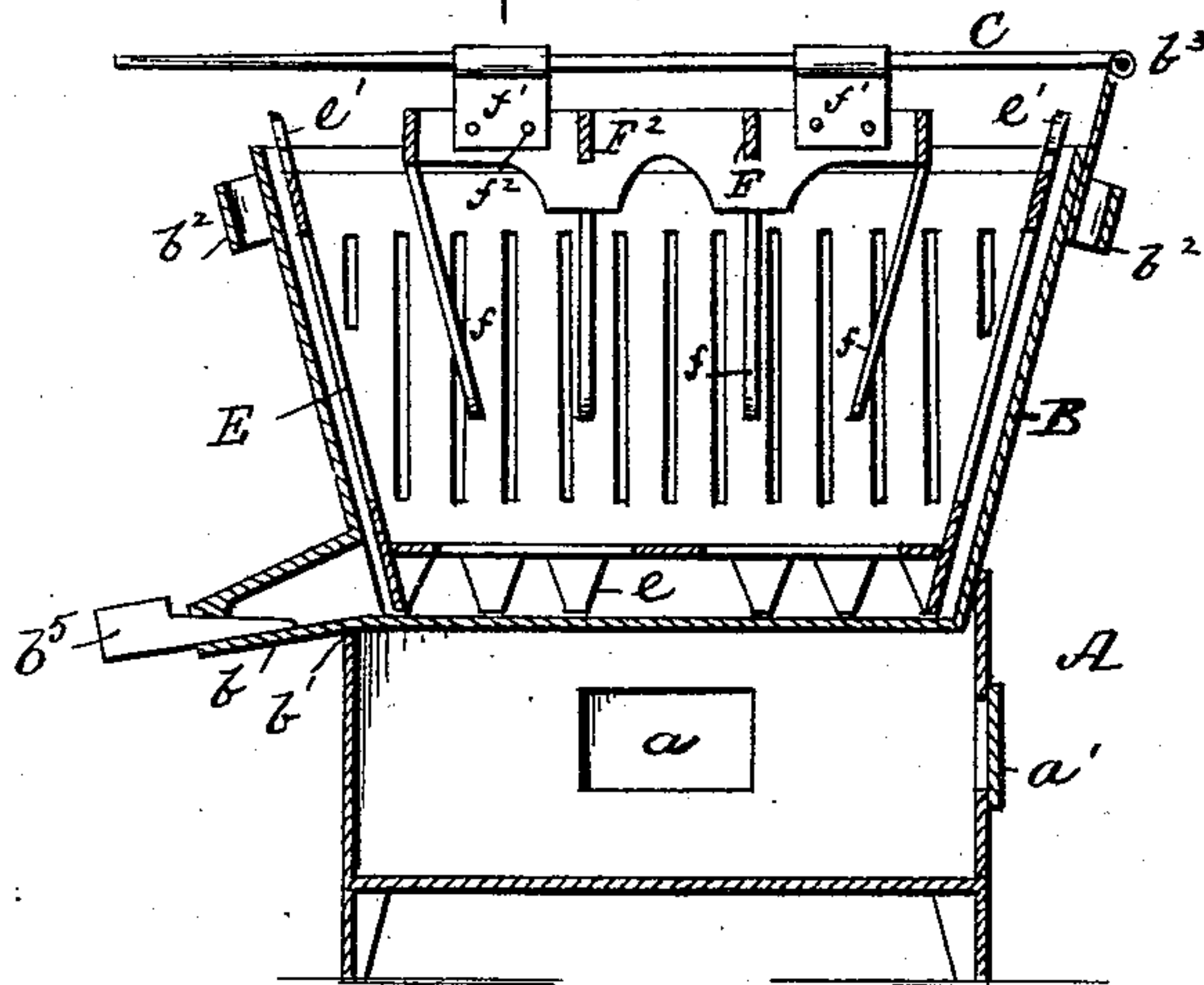
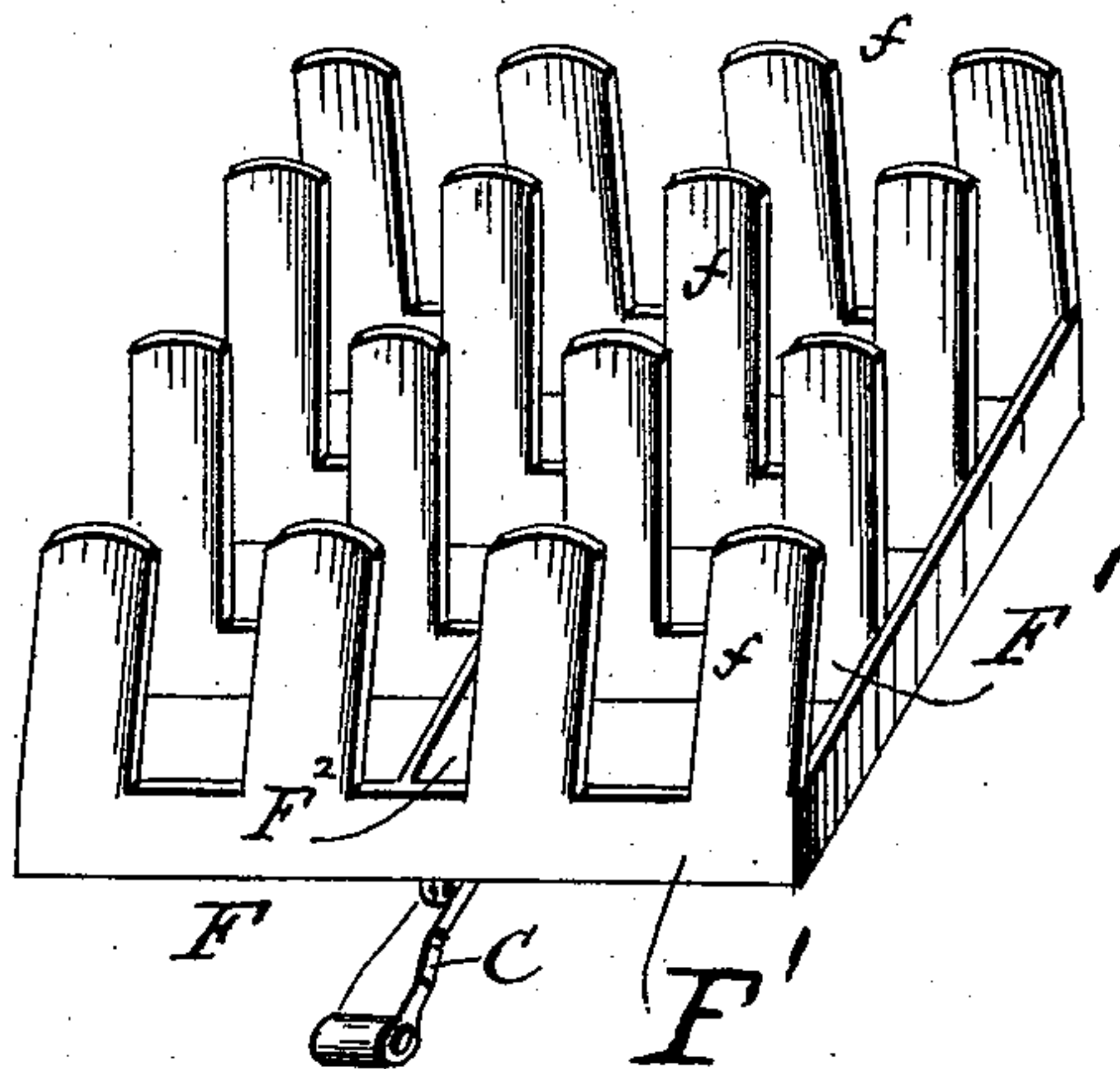


FIG. 2.



WITNESSES:

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INVENTOR

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UNITED STATES PATENT OFFICE.

SALLIE ELIZABETH GIBSON, OF PRINCESS, KENTUCKY.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 478,004, dated June 28, 1892.

Application filed September 9, 1890. Serial No. 364,429. (No model.)

To all whom it may concern:

Be it known that I, SALLIE ELIZABETH GIBSON, a citizen of the United States, residing at Princess, in the county of Boyd and State of Kentucky, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to washing-machines, and aims to dispense with the numerous tubs and vessels usually required for effecting a washing and obviate the necessity of changing the clothes from one vessel to the other when rinsing, wringing, and transporting them to the line for drying.

The object of the invention is to combine in one structure a suds-box for receiving the several waters required in the process of washing, each water being drawn off through a spigot, spout, or pipe in the bottom of the suds-box, a furnace for heating the water and boiling the clothes, a perforated vessel within the suds-box to receive the clothes and assist in obtaining a circulation of the water and serving as a medium to convey the clothes to the line, and a pounder for agitating the clothes and loosening the dirt therefrom prior to removing them from the suds-box for hanging on the line to dry.

Figure 1 is a cross-section of the invention, showing the pounder in position. Fig. 2 is a perspective view of the inverted pounder.

The furnace A is especially designed to adapt it for the suds-box and may be round, square, or oblong, to suit the contour of the suds-box, and is provided at its front end with door *a* and on its side with door *a'*, and to said box a smoke-pipe is attached. (Not shown.) This furnace is shallow and sufficiently wide to receive the bottom of the suds-box B, which is inserted therein, the sides of the suds-box flaring and fitting close against the sides of furnace, so as to close the top thereof and leave no loose joints for the escape of smoke and gases. The spout *b* on one side of the suds-box near the bottom thereof enters a recess or notch *b'* in the upper edge of a side of the furnace and is closed by plug or stopper *b⁵*. Handles *b²* are provided near the up-

per edge of the suds-box for convenience in handling the same. The metal basket or perforated vessel E conforms in shape to the suds-box, having tapering or flaring sides, but is not quite so deep or large, and is placed within the suds-box, being supported a proper distance from the bottom thereof by the feet or side flanges *e*. Handles *e'* are provided at the corners of the basket or perforated vessel E to facilitate handling the same. The perforations or openings in the bottom and sides of the vessel or basket may be of any form and size, being preferably narrow slots which may extend in any desired direction.

The pounder is composed of an open frame F, parallel cross-bars F', a brace-bar F², extending at right angles to the bars F' and connected at its ends with the end bars of the frame that are parallel with the said bars F', and the fingers or prongs *f*, depending from the bars F' and the end bars of the frame parallel with the said bars F'. The lever C is pivotally connected with the standard *b³* and is provided with clips *f'*, that are connected with the brace-bar F² of the pounder by the pins *f²*.

The operation of the invention is as follows: Fire being started in the furnace and suds-water placed in the suds-box, the latter is fitted on the furnace. The clothes to be washed are thrown in the vessel or basket E and are allowed to boil the required time, the washing being hastened by operating the pounder, which agitates the clothes and presses out the dirt therefrom. After the clothes are sufficiently washed in the suds-water, the latter is drawn off through the spout *b*. Fresh water is thrown in the suds-box to rinse the clothes, and after this has served its purpose it is likewise drawn off through spout *b*, and so on with different waters, fresh water replacing the spent water, until the clothes are ready for drying. The basket or vessel E is removed and may be used for conveying the clothes to the line, or the clothes may be dumped therefrom into an ordinary laundry-basket or other receptacle in which they are conveyed to the line.

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

1. The combination, with the suds-box, of

the pounder composed of an open frame, cross-bars, a brace-bar extended at right angles to the cross-bars, and fingers or prongs depending from the cross-bars and end bars of the frame, a lever pivotally attached to the suds-box, and clips connecting the lever with the pounder, substantially as set forth.

2. In combination, a boiler B, supported on a furnace A, a clothes-basket E, placed in the boiler and provided with elongated slots or water-openings, and a pounder-head F, supported on the operating-lever and arranged near the top of the boiler and having long de-

pending fingers extended nearly to the bottom of the clothes-basket, forming an open presser or clothes-cleansing frame, whereby the water is prevented from being splashed or forced out at the top of the boiler, substantially as set forth. 15

In testimony whereof I affix my signature in presence of two witnesses. 20

SALLIE ELIZABETH GIBSON.

Witnesses:

JAMES B. GIBSON,
LEE Z. GIBSON.