

H. Carter,
Washing Machine.

No. 93,173.

Patented Aug. 3. 1869

Fig. 1.

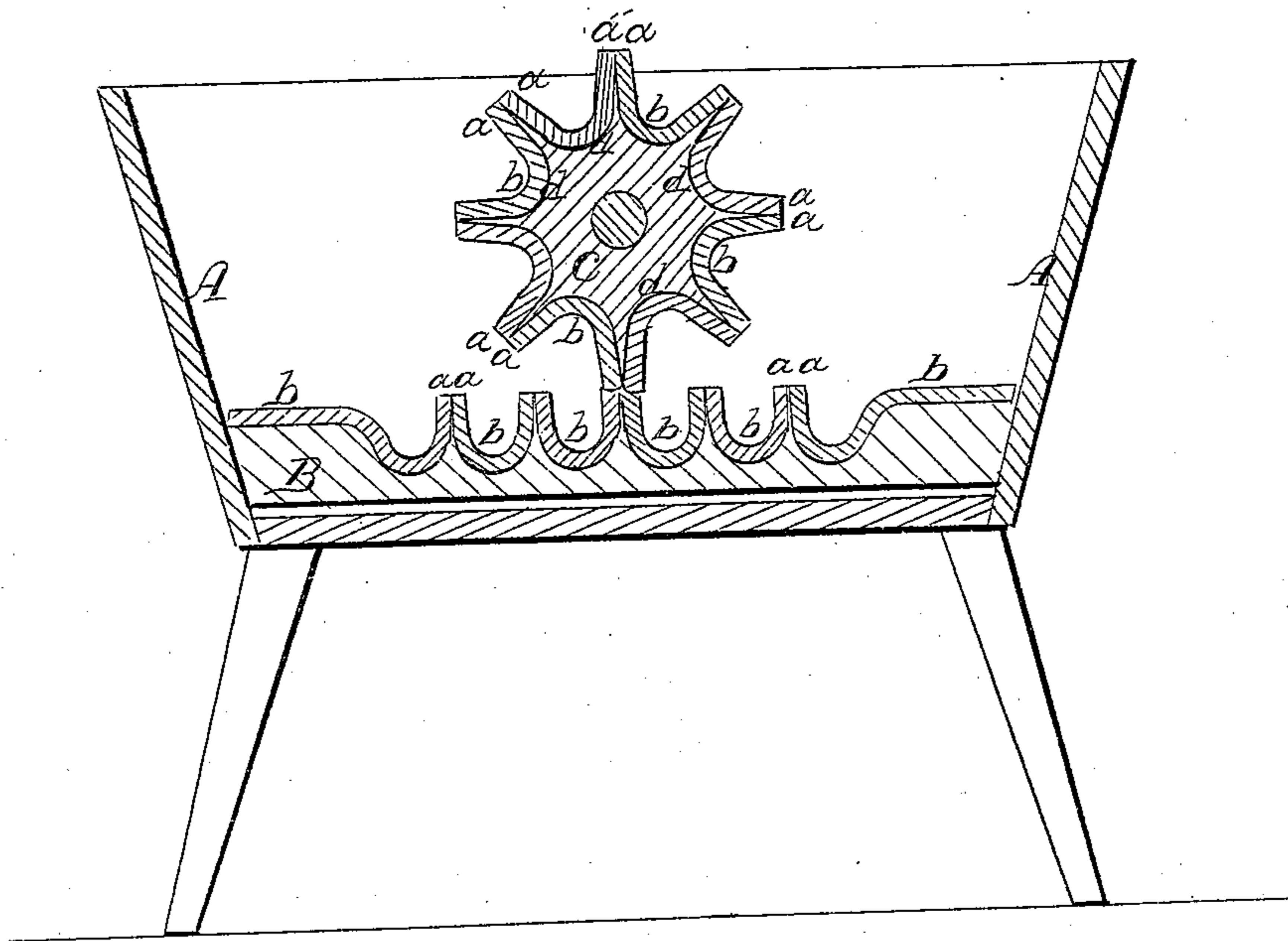
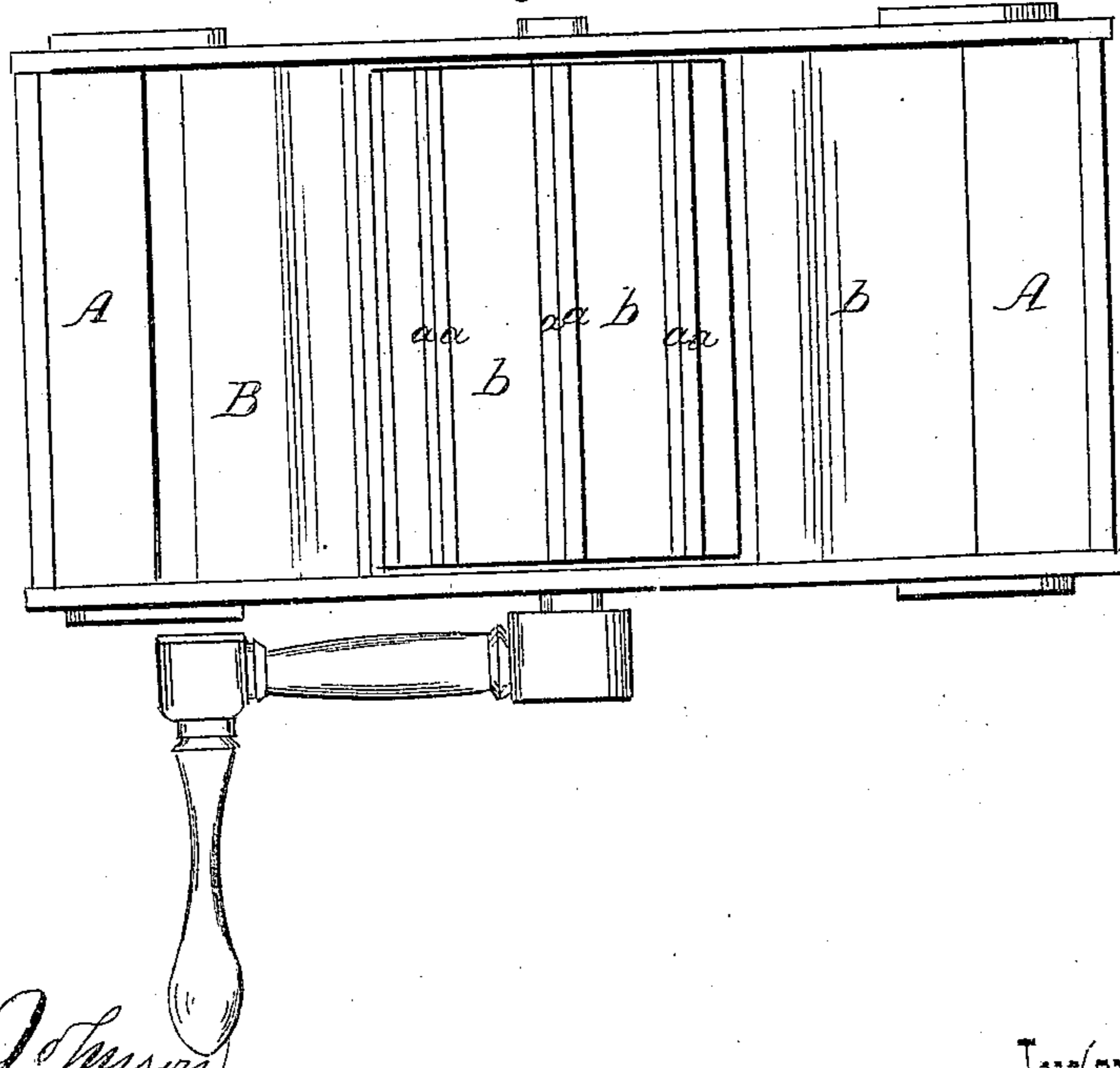


Fig. 2.



Witnesses.

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HEMAN CARTER, OF GREENE, NEW YORK.

Letters Patent No. 93,173, dated August 3, 1869.

IMPROVEMENT IN WASHING-MACHINE.

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, HEMAN CARTER, of Greene, in the county of Chenango, and State of New York, have invented certain new and useful Improvements in the Manner of Constructing and Covering Rubbing Surfaces for Washing-Machines; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a side elevation of the machine, showing a sectional end view of the rubbing-cylinder, and a base or flat-bottom wash-board, covered in the same manner.

Figure 2 shows a plan or top view of the machine, the rubbing-cylinder, and wash-board, bottom in the suds-box.

The object of my invention is, to satisfy the public mind that a good, practical, simple, cheap, efficient and durable washing-machine can be produced, that will save at least one-half of the time and labor, and will cleanse the dirtiest parts of a garment as perfectly, and with as little wear as can be done by hand.

My invention consists simply in covering a corrugated roller, or a corrugated wash-board, with strips of vulcanized India-rubber cloth or flock sheet-rubber, so that the two raw edges come together and support each other sidewise, while the raw edges are outward to come in contact with the clothing, or articles to be cleansed.

To enable others to make and use my improved washing-machine, I will describe them more fully, referring to the drawings and the letters marked thereon.

The tub or suds-box A A, may be made of any desired shape or size, in the usual manner.

In the bottom may be fitted or placed a corrugated wash-board, like those in common use for hand-washing; or a base, B, constructed and covered with strips

of sheet-rubber *b b b b*, in my improved manner, as seen in fig. 1.

I make my improved washing-cylinder C, of hard wood, turned, and corrugated a sufficient depth to admit and give the sheet-rubber *b b b*, a curved form, when it is secured in the bottom of the corrugations *d d d d*, so that the two raw edges *a a*, of the sheet-rubber, will be outward, the under sides coming together to support each other, as the cylinder is rotated or worked back and forth.

It has been tested in the most thorough manner, and practically demonstrates the fact that the rubbing-cylinder, constructed as above described, with the raw edges supporting each other, they coming in contact with the clothes, will wash with more ease, better, and faster, than with any other rubbing-surface that has yet come to my knowledge.

And it has also been demonstrated, that washing by hand on a board constructed in the manner of the base B, herein described, it can be done at least one-fourth better and faster than on any of the ordinary kinds of wash-boards in use.

I am aware that corrugated rolls, covered with India rubber, have been used before in washing-machines.

What I claim as my improvement is—

The construction of roller, and bottom of the machine, by which the edges of the rubber are brought in contact with the article to be washed, as shown and described, in washing-machines.

In testimony whereof, I hereunto subscribe my name in the presence of—

HEMAN CARTER.

Witnesses:

NATHAN H. SHORT,
LEWIS S. HAYES.