

I. HUSSEY.

Brush Wash-Boards and Rollers.

No. 142,853.

Patented September 16, 1873.

Fig. 1.

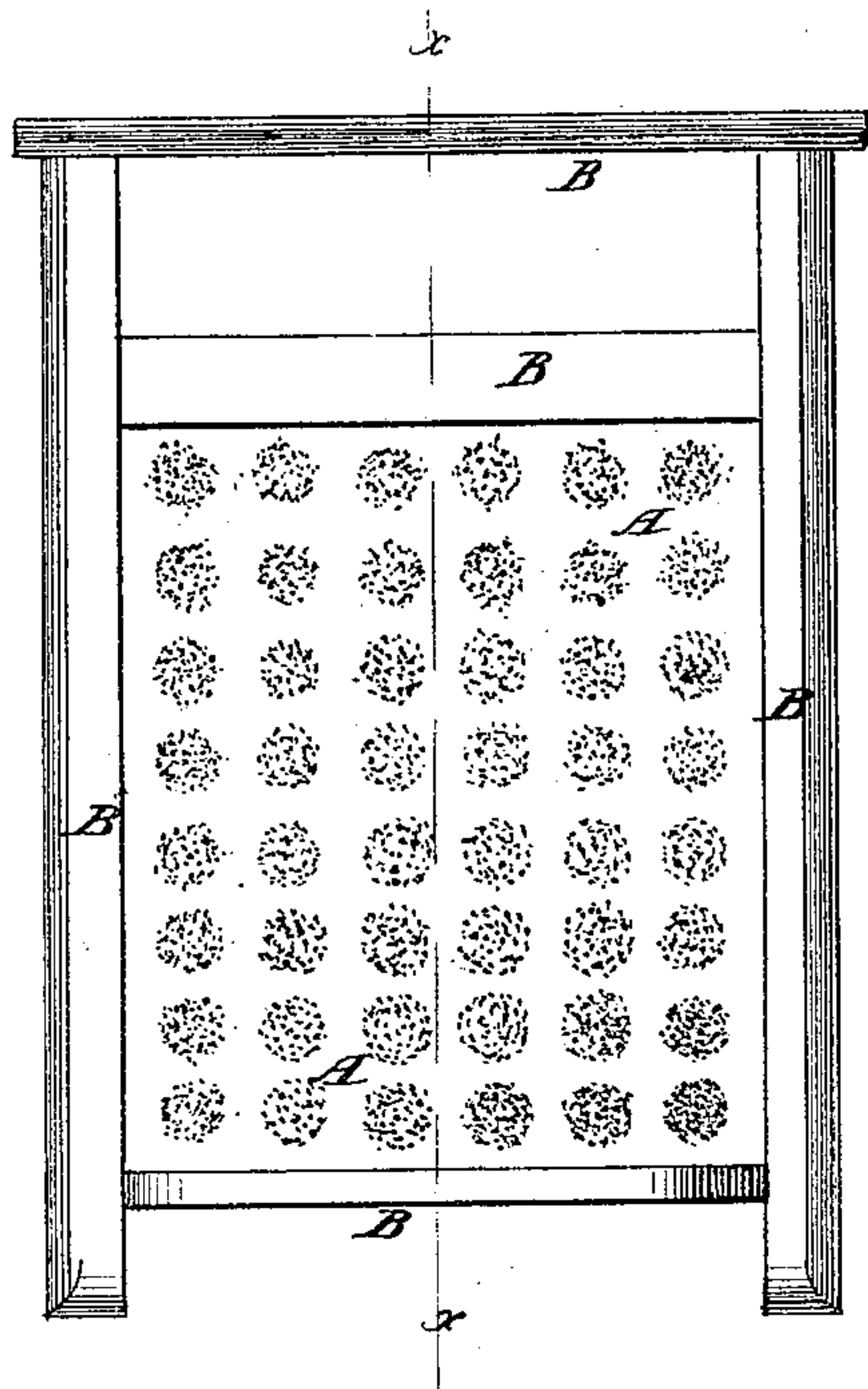


Fig. 2.

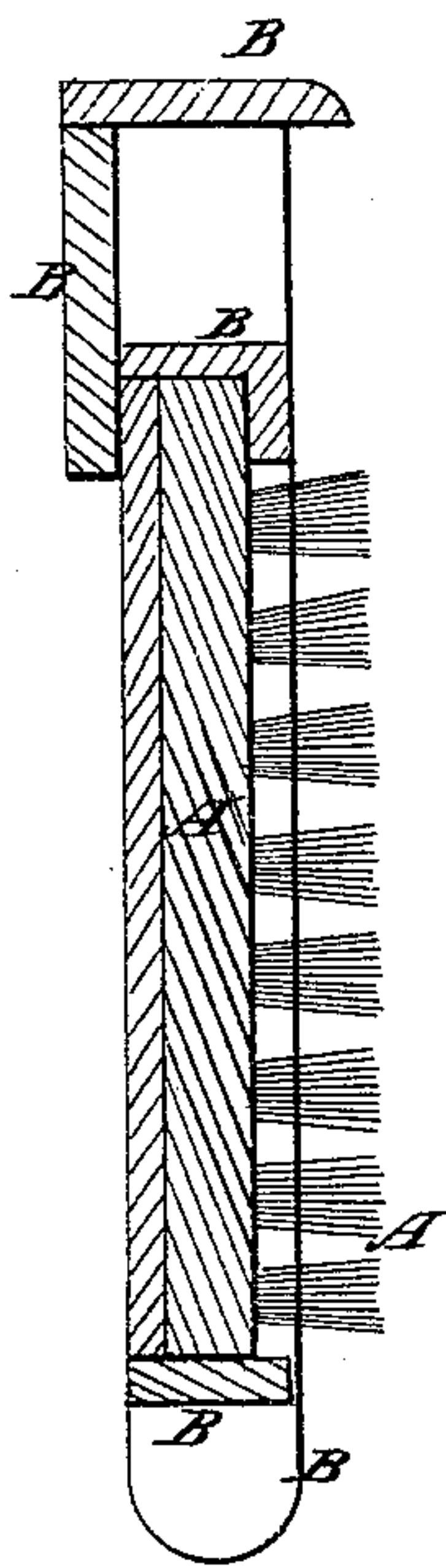
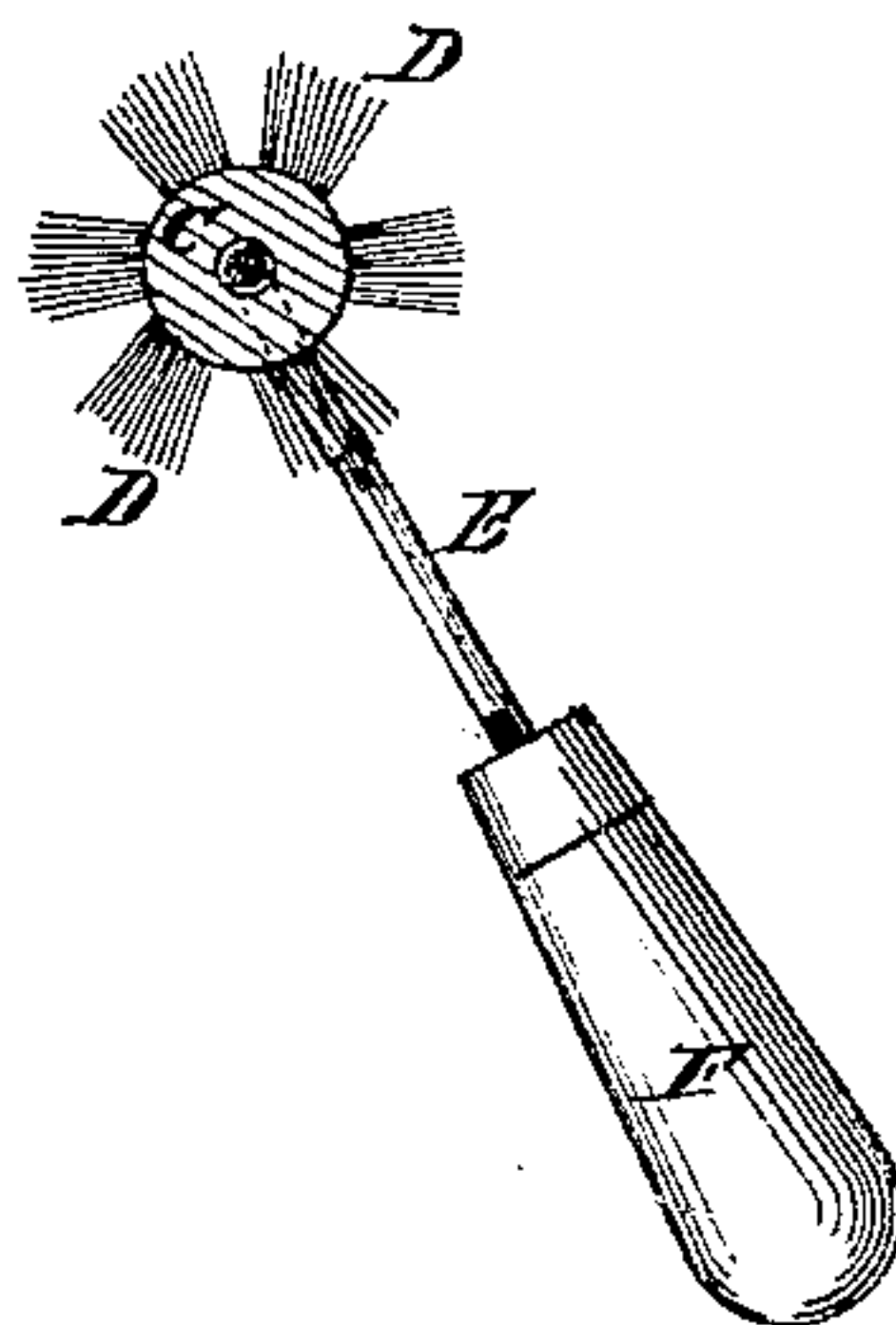


Fig. 3.



Witnesses.

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ISAAC HUSSEY, OF IRONTON, OHIO.

IMPROVEMENT IN BRUSH WASH-BOARDS AND ROLLERS.

Specification forming part of Letters Patent No. **142,853**, dated September 16, 1873; application filed June 14, 1873.

To all whom it may concern:

Be it known that I, ISAAC HUSSEY, of Iron-ton, in the county of Lawrence and State of Ohio, have invented a new and useful Improve-ment in Brush Wash-Board and Roller; and I do hereby declare that the following is a full, clear, and exact description of the same, refer-ence being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a front view of my improved brush wash-board. Fig. 2 is a vertical section of the same taken through the line *xx*, Fig. 1. Fig. 3 is a detail section of the brush-roller.

My invention relates to the application of bristle-brushes in the operation of washing clothes. Heretofore the bristles have been applied upon the periphery of rolls which, ro-tating upon the clothes placed between them, carried the articles through by contact-fric-tion. As, however, both rolls moved, the rub-bing-friction was found to be too slight to en-tirely effect the object in view.

To overcome this objection I employ a roller that is made both to rotate and reciprocate over the clothes, which are themselves spread upon a stationary subjacent brush, as herein-after described.

A represents a stationary brush, made of about the size of the corrugated or rubbing part of an ordinary wash-board. To the edges of the brush is attached a frame, B, whose

side bars extend a little below the lower edge of the brush A to serve as feet. In the upper part of the frame B, above the upper edge of the brush A, is formed a recess or compart-ment to receive the soap. C is a small wooden cylinder, with radial holes to receive the bris-tles D. The journals of the cylinder C work in eyes in the ends of the wire-bail E, to the middle part of which is attached a handle, F, as shown in Fig. 3.

In using the machine the article is spread upon the brush A, and the roller-brush C D E F moved gently up and down upon it, said brush being immersed in the suds between each downward and upward movement.

The brush-roll D may be operated by hand, as shown, by hand mechanism, or by power applied in any suitable manner; my invention consisting in the application of rotary and re-ciprocating motion to one brush and holding the other rigid and stationary.

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

The rotary and reciprocating brush D, in combination with the stationary brush wash-board A B, as and for the purpose set forth.

ISAAC HUSSEY.

Witnesses:

CHRISTOPHER MATTHEWS,
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