

G. Letterman,

Wash Board.

No. 112,820.

Patented Mar. 21. 1871.

Fig. 1.

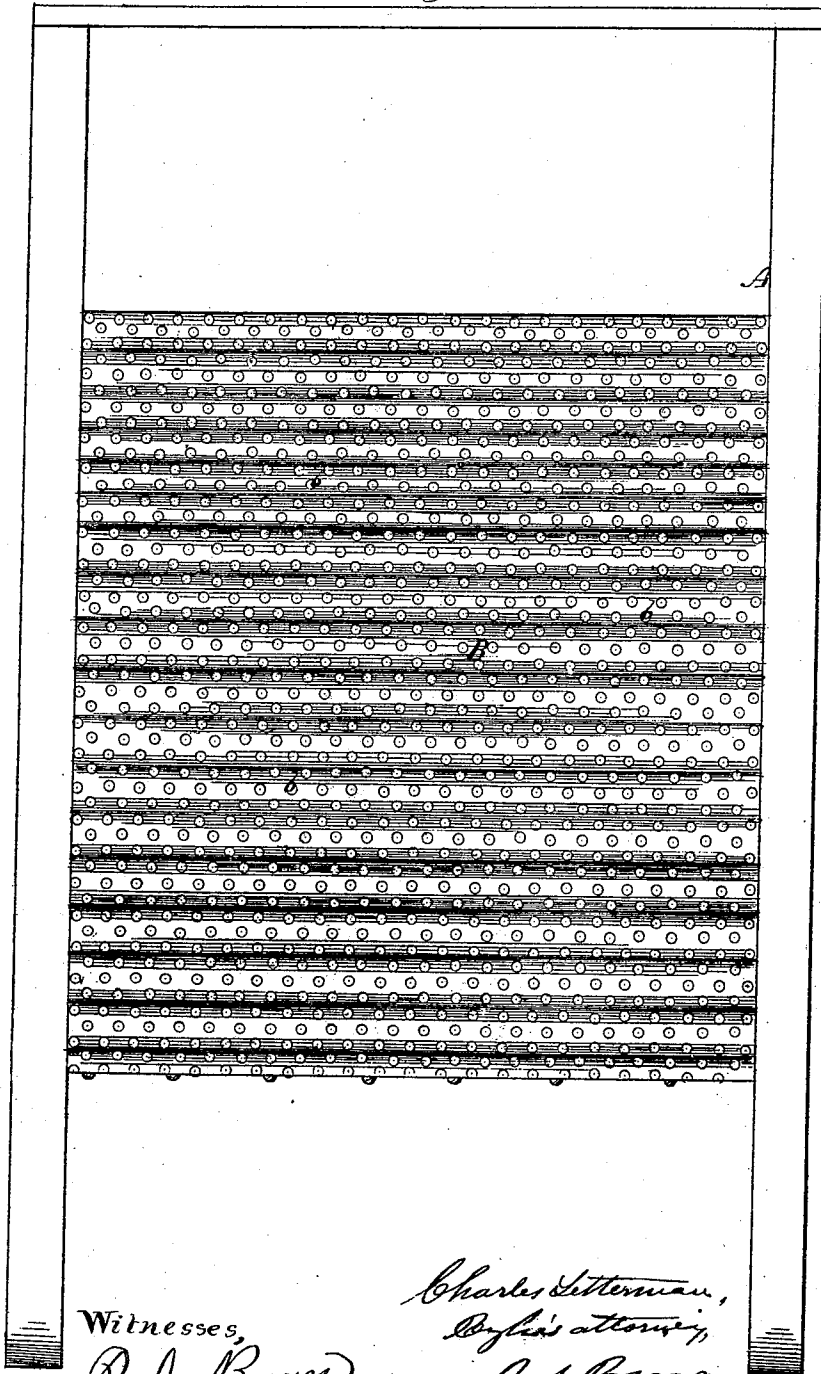
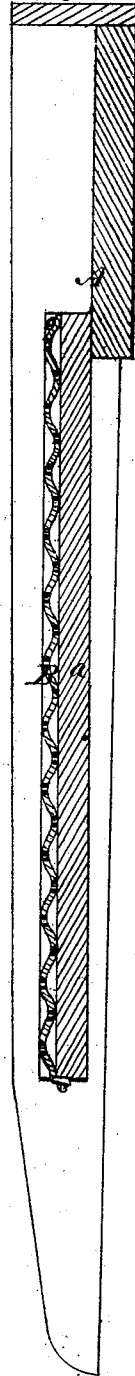


Fig. 2.



Witnesses,

D. J. Brown
R. W. Smith

Charles Letterman,
By his attorney,

J. J. Brown.

United States Patent Office.

CHARLES LETTERMAN, OF SYRACUSE, NEW YORK, ASSIGNOR TO JOHN W. THROOP.

Letters Patent No. 112,820, dated March 21, 1871.

IMPROVEMENT IN WASH-BOARDS.

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, CHARLES LETTERMAN, of Syracuse, in the county of Onondaga, and State of New York, have invented an Improvement in Wash-Boards; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing making part of this specification—

Figure 1 being a front view of a wash-board provided with my improvement.

Figure 2, a transverse vertical section of the same.

Like letters designate corresponding parts in both figures.

My invention consists in the employment, over the rubbing-surface of a wash-board, or constituting the same, of a finely-perforated sheet of metal, in the manner and for the purpose substantially as follows:

Let A represent a wash-board.

Upon the back *a*, thereof, whether fluted or not, I place a sheet, B, of finely-perforated metal, such as sheet-zinc, the sheet metal also being fluted or corrugated in the usual way. Or this sheet of perforated metal may constitute the rubber of the wash-board without any back *a*.

The perforations *b b* of the sheet metal may be of any convenient shape, round, as shown, or otherwise, but they should be quite small, as indicated, though no particular size is prescribed.

No material is believed to be so practical as the perforated sheet metal.

The advantages of this perforated metal surface are chiefly these:

First, the edges of the perforations form effective

scouring or rubbing-surfaces for removing dirt, yet, being small, do not allow the cloth to sink into the same so as to be injurious thereto.

Second, they form immediate outlets for the dirt, which is not again brought into contact with the clothes.

Third, the perforations prevent the production of air-exhausted spaces under the clothes, or between them and the wash-board, so that the clothes are moved much more easily over the wash-board, this atmospheric pressure being a great hindrance to the rubbing of clothes on an ordinary wash-board, both by the resistance of the pressure, and the difficulty of getting the clothes into actual contact with the wash-board.

Fourth, the time required for the rubbing is consequently diminished, and there is thereby a saving of soap effected.

I disclaim a corrugated sheet-metal wash-board having perforations in the bottom of its corrugations for the escape of water, and also disclaim a wire-cloth rubbing-surface.

What I claim as my invention, and desire to secure by Letters Patent, is—

A finely-perforated sheet of metal, B, for the rubbing-surface of wash-boards, substantially as and for the purpose herein specified.

Specification signed by me this 25th day of January, 1871.

CHARLES LETTERMAN.

Witnesses:

GEORGE B. WARNER,
THOMAS D. JONES.