

UNITED STATES PATENT OFFICE.

AYLETT R. CRIHFIELD, OF LINCOLN, ILLINOIS.

IMPROVEMENT IN WASH-BOARDS.

Specification forming part of Letters Patent No. **108,456**, dated October 18, 1870.

To all whom it may concern:

Be it known that I, AYLETT R. CRIHFIELD, of Lincoln, in the county of Logan, and in the State of Illinois, have invented certain new and useful Improvements in Wash-Boards; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction of a wash-board, as will be hereinafter set forth.

Figure 1 represents a wash-board with my invention, and Fig. 2 represents a cross-section of the zinc board.

In the accompanying drawing, A represents the usual frame of a wash-board, having a receptacle, B, at its top, for soap or for clothing. C represents the central portion or surface upon which the clothes are rubbed. This portion is made of zinc or other suitable material, and is composed of a series of irregularly-placed diamond-shaped raised pieces, *a a*. These diamond-shaped raises are arranged in rows cross-wise of the board, from top to bottom, each alternate row being composed of more elevations than those of the intermediate rows, as shown at *x y* in Fig. 1, the rows marked *x* in the drawing having five diamonds placed a short distance apart, and those marked *y* hav-

ing four diamonds a little apart. The rows marked *y* are so placed that the elevations are under the spaces between those of the rows marked *x*, thus forming a series of oblique channels up and down the board from either side.

By this arrangement and construction of the face of the wash-board, the flexibility of the hand of the washer and the clothing gives a lateral and up-and-down motion to the clothes, causing them to move over considerable space with little exertion, and effectually cleansing the clothing within a short space of time.

The boards thus formed can be stamped out by die-plates in a short time, and introduced at very slight expense.

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

In combination with the frame A, the metal surface C, composed of a series of diamond-shaped elevations, *a*, made in cross-rows *x* and *y*, as described, and forming the oblique channels *d d*, all as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 20th day of May, 1869.

A. R. CRIHFIELD.

Witnesses:

JOHN KIRKPATRICK,
H. NELSON HAMMOND.