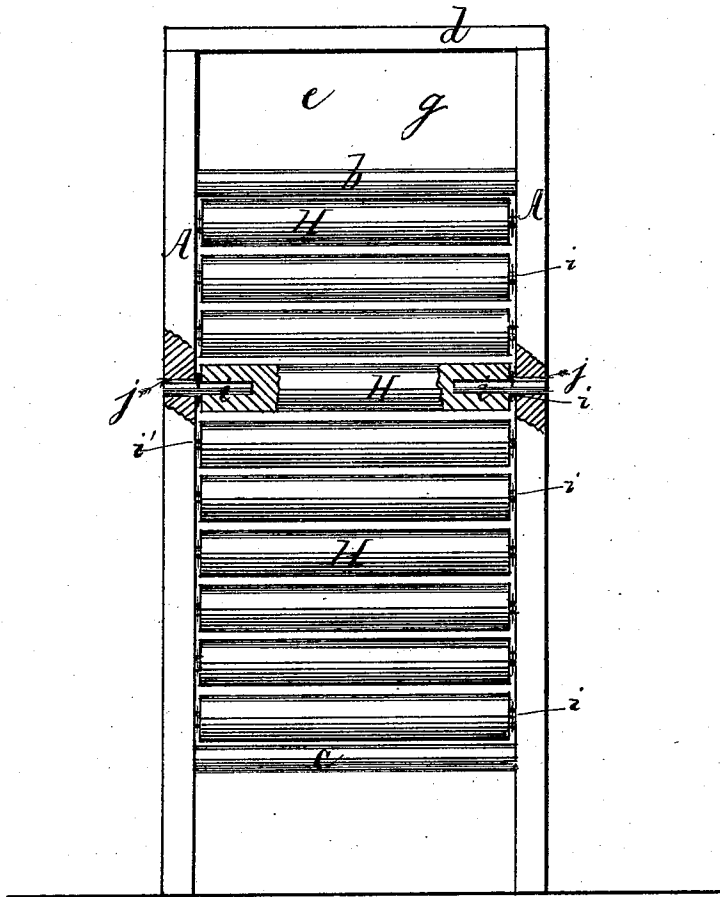


J. S. GARNER.

WASH-BOARD.

No. 183,294.

Patented Oct. 17, 1876.



Witnesses:
Richard Garner.
Franklin Barrett

Inventor:
Joseph S. Garner
per Colborne Brooks
att'y

UNITED STATES PATENT OFFICE.

JOSEPH S. GARNER, OF GALENA, ILLINOIS.

IMPROVEMENT IN WASH-BOARDS.

Specification forming part of Letters Patent No. 183,294, dated October 17, 1876; application filed March 30, 1874.

To all whom it may concern:

Be it known that I, JOSEPH S. GARNER, of Galena, in the county of Jo Daviess and State of Illinois, have invented certain Improvements in Wash-Boards, of which the following is a specification:

My invention relates to improvements in wash-boards, the nature of which will be fully explained by reference to the accompanying drawing, which represents a front view of a wash-board constructed according to my invention.

A represents the frame, which is held together by means of cross-bars *b c*, the top piece *d*, and a suitable back board. (Not shown in the drawing.) *e* represents the back board, which also forms the soap-box *g*. H H are a series of rollers, by preference formed of wood, either plain or covered with india-rubber, tin, zinc, copper, or other non-corrosive substance, or they may be formed entirely of metal. The rollers H H are held in position in the frame A by means of axles *i i*, revolving in bearings *j j*. The axles *i i* are each provided with disks or washers *v v*, between the ends of the rollers H and the frame A.

The axles *i* are formed independent one of the other, and are applied to each end of the roller, so as to work freely in the bearings *j j*.

The disks or washers *v v* are applied between the ends of the rollers H, to prevent the binding of the rollers between the frame A, by reason of the swelling of the wooden frame or the expansion of the rollers.

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

In a wash-board, the combination, with a frame, A, having cross-bars *b c*, top piece *d*, back board *e*, of a series of rollers, H H, having independent axes *i i* working in bearings *j j*, and provided with disks or washers *v v*, applied between the ends of the rollers and the framing A, substantially as shown and described.

JOSEPH SIMPSON GARNER.

Witnesses:

WM. S. METZGER,
THOMAS McNULTY.