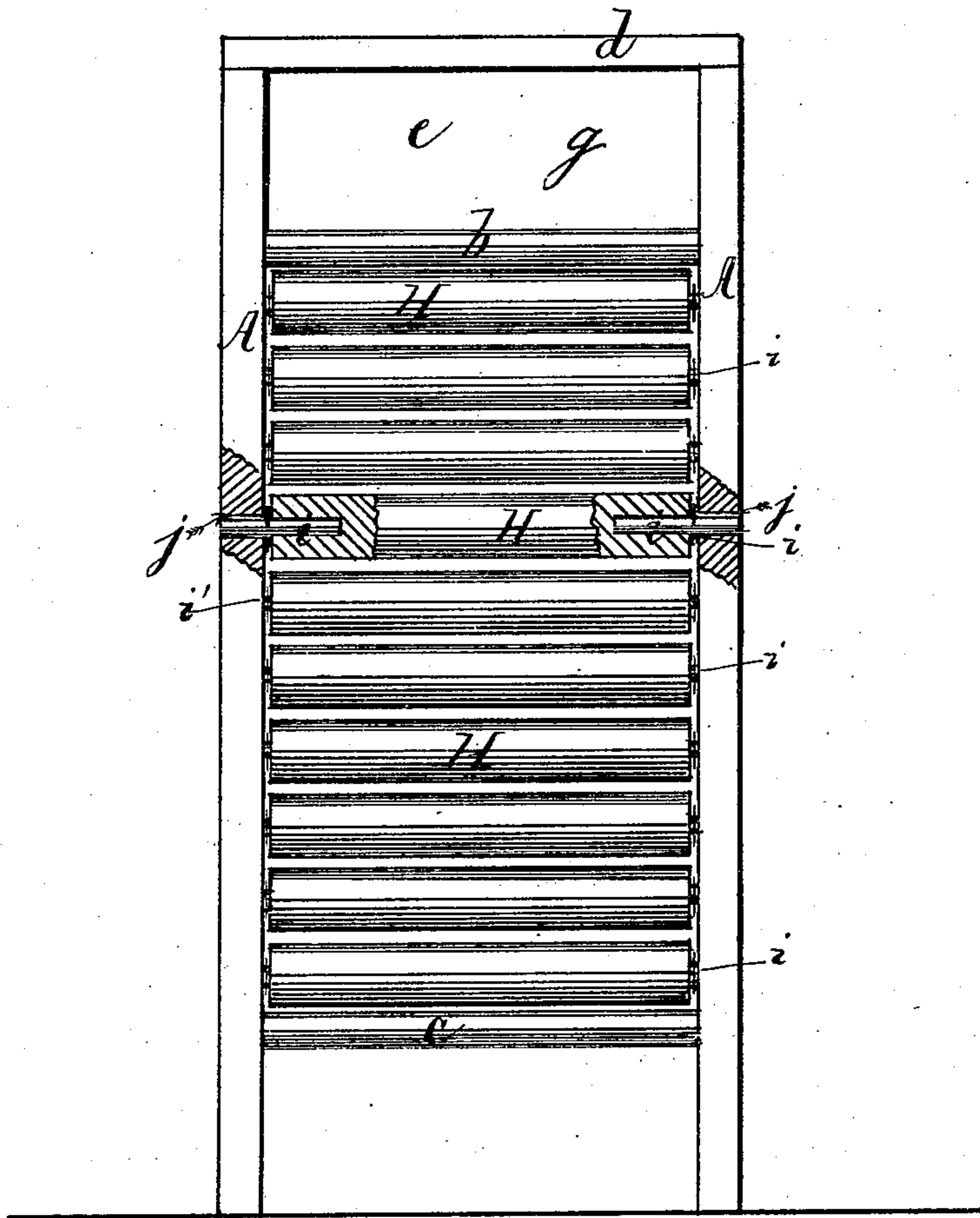


J. S. GARNER.

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 *i' i'*, 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 *i' i'* 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 *i' i'*, 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..