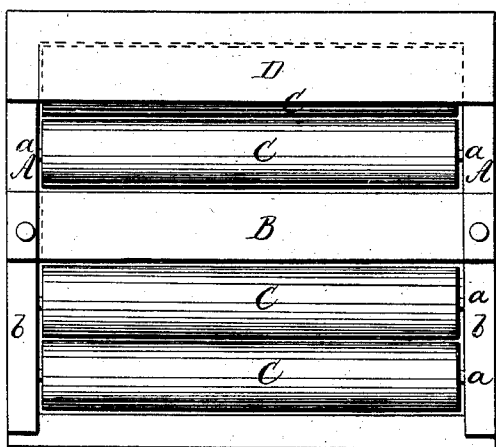
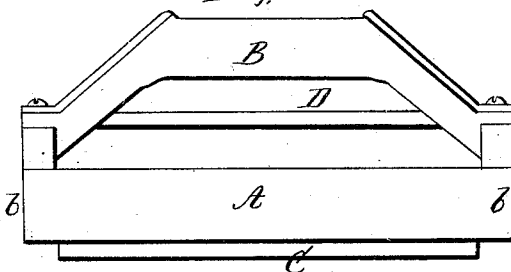


*B. I. Lane,*  
*Hand Clothes Washer.*  
*N<sup>o</sup> 41,438.      Patented Feb. 2, 1864.*

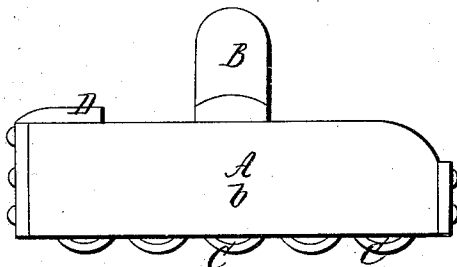
*Fig. 1.*



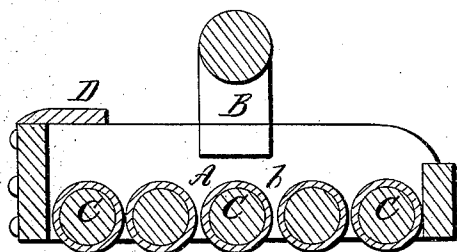
*Fig. 2.*



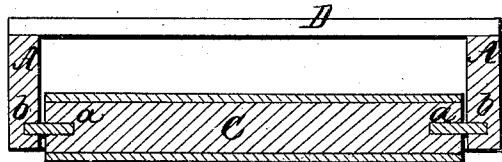
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



*Witnesses;*  
*Frederick Curtis.*  
*A. D. Halp.*

*Inventor;*  
*Bey. I. Lane*  
*by his attorney*  
*R. H. Cook*

# UNITED STATES PATENT OFFICE.

BENJAMIN I. LANE, OF SOUTH FRAMINGHAM, MASSACHUSETTS.

## IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 41,438, dated February 2, 1864.

*To all whom it may concern:*

Be it known that I, BENJAMIN I. LANE, a resident of South Framingham, in the county of Middlesex and State of Massachusetts, have invented a new and useful Hand-Rubber to be Used in Washing Clothes on a Wash-Board; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view; Fig. 2, a rear elevation; Fig. 3, an end elevation, and Fig. 4 a longitudinal, and Fig. 5 a transverse, section of it.

In carrying out my invention I employ a square or rectangular frame, A, provided with a handle, B, arranged on it as shown in the drawings.

Within the said frame I arrange a series of rollers, C C, &c., having their axes in one plane and parallel to each other. Each roller is to project a short distance below the lower edges of the frame, and its journals *a a* are to be supported within the two opposite end portions, *b b*, of the frame, the same being as shown in Fig. 5.

A board or cap, D, is to extend across the frame and in front of the handle and backward from the front side or part of the frame in manner as shown in Figs. 1 and 4. Each roller should be placed very close to but not so near as to touch that next adjacent to it.

The implement so made is to be used in connection with a fluted wash-board while the latter may be in an inclined position within a wash-tub, the person using the implement holding it by its handle, and moving it back

and forth with its rollers in contact with the clothes that may be on the board. While so operating the said implement it is occasionally, or during each forward movement of it, to be pushed into the water or suds, so as to more than immerse the cap-board D, in which case the back stroke or movement of the implement will cause a portion of the washing-liquid to be taken up and discharged between the rollers and upon the clothes, the same contributing to effect the proper cleansing of the clothes.

Each of the rollers may be made either in whole or in part of caoutchouc or gutta-percha, or some suitable composition in which either or both may form a constituent.

In the ordinary mode of washing clothes on a wash-board the washerwoman seizes them and with her knuckles rubs them on the board. In so doing she is liable to abrade or injure her hand, and it is a common accident for the hand to be wounded more or less by the operation. My hand-rubber or clothes-washer is designed to prevent such wear and injury of the hands.

I claim—

The said hand-washing implement, the same consisting of a series of rollers made in whole or in part of india-rubber or gutta-percha or their compounds, and arranged within a frame in the manner and for operation substantially as specified.

BENJ. I. LANE.

Witnesses:

R. H. EDDY,  
F. P. HALE, Jr.