

(No Model.)

J. S. HEADEN & J. T. BOSWELL.
WASHING MACHINE.

No. 418,409.

Patented Dec. 31, 1889.

Fig. 3

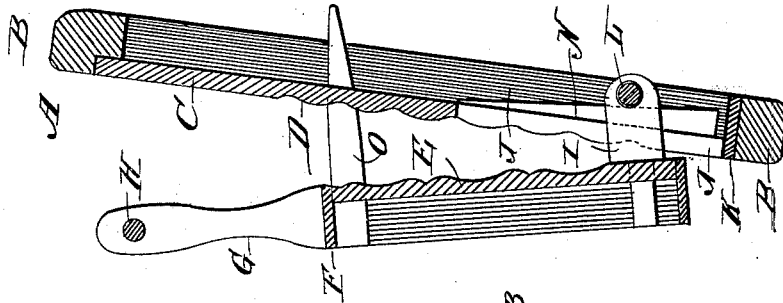


Fig. 2.

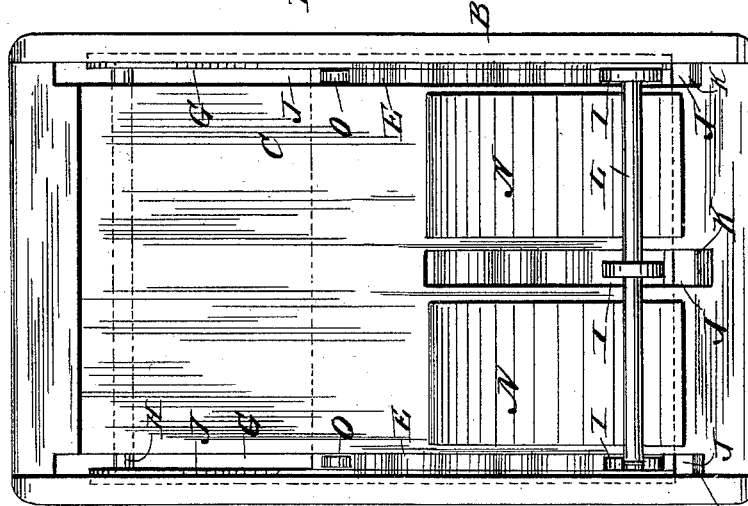
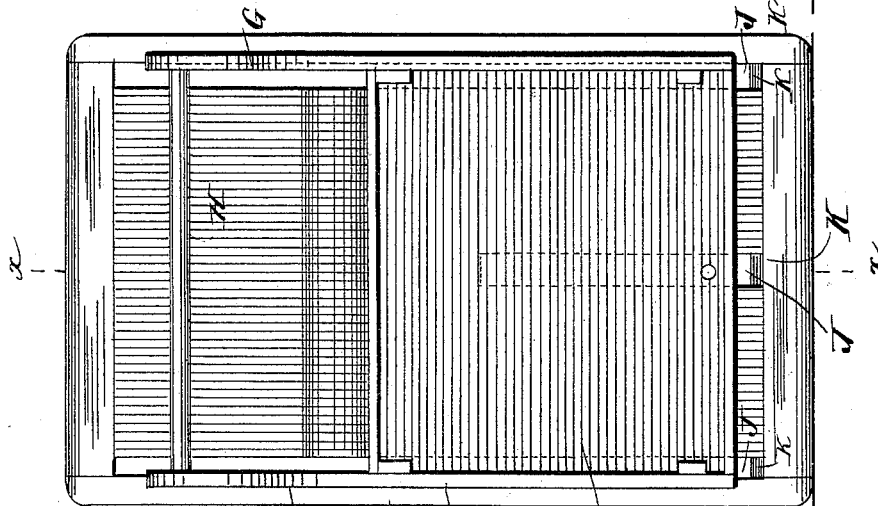


Fig. 1



WITNESSES:

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JOHN SAMUEL HEADEN AND JOHN THOMAS BOSWELL, OF PLEASANT HILL,
MISSOURI.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 418,409, dated December 31, 1889.

Application filed March 22, 1889. Serial No. 304,280. (No model.)

To all whom it may concern:

Be it known that we, JOHN SAMUEL HEADEN and JOHN THOMAS BOSWELL, both of Pleasant Hill, in the county of Cass and State of Missouri, have invented a new and Improved Wash-Board, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved wash-board which is simple and durable in construction and very effective in operation.

The invention consists of a fixed corrugated or fluted board and a second corrugated or fluted board adapted to slide on the said first-named board.

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front view of the improvement. Fig. 2 is a rear view of the same, and Fig. 3 is a sectional side elevation of the improvement on the line *x x* of Fig. 1.

The improved wash-board A is provided with a fixed frame B, adapted to be set in a tub containing water and the clothes to be washed. On the frame B is secured a board C, provided on its top surface with a number of transversely-extending corrugations D. On this corrugated or fluted board C is held to slide a similarly corrugated or fluted board E, fastened on the under side of a frame F, provided with upwardly-extending arms G, connected with each other by a rod H, serving as a handle.

From the lower end of the board E project a number of lugs I, extending through slots J, formed partly in the board C and at the ends of the latter between it and the frame B. In the slots J in the board C is held an elastic body K, preferably rubber, against which press the lugs I in the said slots J, so as to deaden the noise when the board E is moved in its lowermost position, said lugs I then abutting against the elastic body K. The several lugs I are connected with each other

at their outer ends by a rod L, between which and the under surface of the wash board C are a number of wedges N, secured to the under side of the said board C.

From the upper end of the corrugated board E extend inward the two arms O, projecting into the slots J between the board C and the frame B. The arms O serve as guide-arms for the board E.

The operation is as follows: The frame B is placed in a tub filled with water, and the clothes to be washed are placed on the corrugated board C between the latter and the board E, moved to its outermost position, as shown in Fig. 3. The operator then takes hold of the handle H and moves the board E up and down, pressing the same inward toward the board C and against the clothes placed between the boards C and E. It will be seen that by this up-and-down motion and the inward pressure of the board E the clothes are freely rolled and rigidly pressed up and down, so that they are thoroughly agitated and thereby washed.

It is to be understood that the board E in its inward motion toward the board C swings on the transverse rod L as a pivot, and the position of the said rod L on the wedges N increases or diminishes the space between the lower end of the board E and the board C. It is also understood that the two boards C and E act in conjunction with each other to squeeze and rub the clothing in the process of washing.

Having thus fully described our invention, we claim as new and desire to secure by Letters Patent—

1. In a wash-board, the combination of a slotted and corrugated or fluted board having inclines on its under surface and a second corrugated or fluted board in front of the first-named board and provided with lugs projecting through the slots thereof and connected together, substantially as and for the purpose specified.

2. In a wash-board, the combination, with a frame and a corrugated or fluted board secured on the said frame, of a second corrugated or fluted board held in front of the first-named board, lugs extending from the said

second-named fluted board through slots in the first-named corrugated board, a transverse rod held in the said lugs and extending across the under side of the said first-named fluted board, and wedges held on the under side of the first-named fluted board, over which passes said rod, substantially as shown and described.

3. In a wash-board, the combination, with a frame and a corrugated or fluted board secured on the said frame, of a second corrugated or fluted board held in front of the first-named board, lugs extending from the said second-named fluted board through slots in the first-named corrugated board, a transverse rod held in the said lugs and extending across the under side of the first-named fluted board, wedges held on the under side of the first-named fluted board, over which passes said rod, a frame supporting the second-named fluted or corrugated board, and a handle held on the said frame for moving said second-named fluted or corrugated board up and down on the first-named fluted board, substantially as shown and described.

4. In a wash-board, the combination, with a frame and a corrugated or fluted board secured on the said frame, of a second corrugated or fluted board held in front of the first-named board, lugs extending from the said second-named fluted board through slots in the first-named corrugated board, a transverse rod held in the said lugs and extending across the under side of the first-named fluted board, wedges held on the under side of the

first-named fluted board, over which passes said rod, a frame supporting the second-named fluted or corrugated board, a handle held on the said frame for moving said second-named fluted or corrugated board up and down on the first-named fluted board, and arms projecting from the said second-named corrugated board into slots in the first-named fluted board, substantially as shown and described.

5. In a wash-board, the combination, with a frame and a corrugated or fluted board secured on the said frame, of a second corrugated or fluted board held in front of the first-named board, lugs extending from the said second-named fluted board through slots in the first-named corrugated board, a transverse rod held in the said lugs and extending across the under side of the first-named fluted board, wedges held on the under side of the first-named fluted board, over which passes said rod, a frame supporting the second-named fluted or corrugated board, a handle held on the said frame for moving said second-named fluted or corrugated board up and down on the first-named fluted board, arms projecting from the said second-named corrugated board into slots in the first-named fluted board, and an elastic body held in the bottoms of the slots in the said first-named board, substantially as shown and described.

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Witnesses:

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