

Short, Allen & Craig Washing Machine

N^o 62,229.

Patented Feb 19, 1867.

Fig. 1.

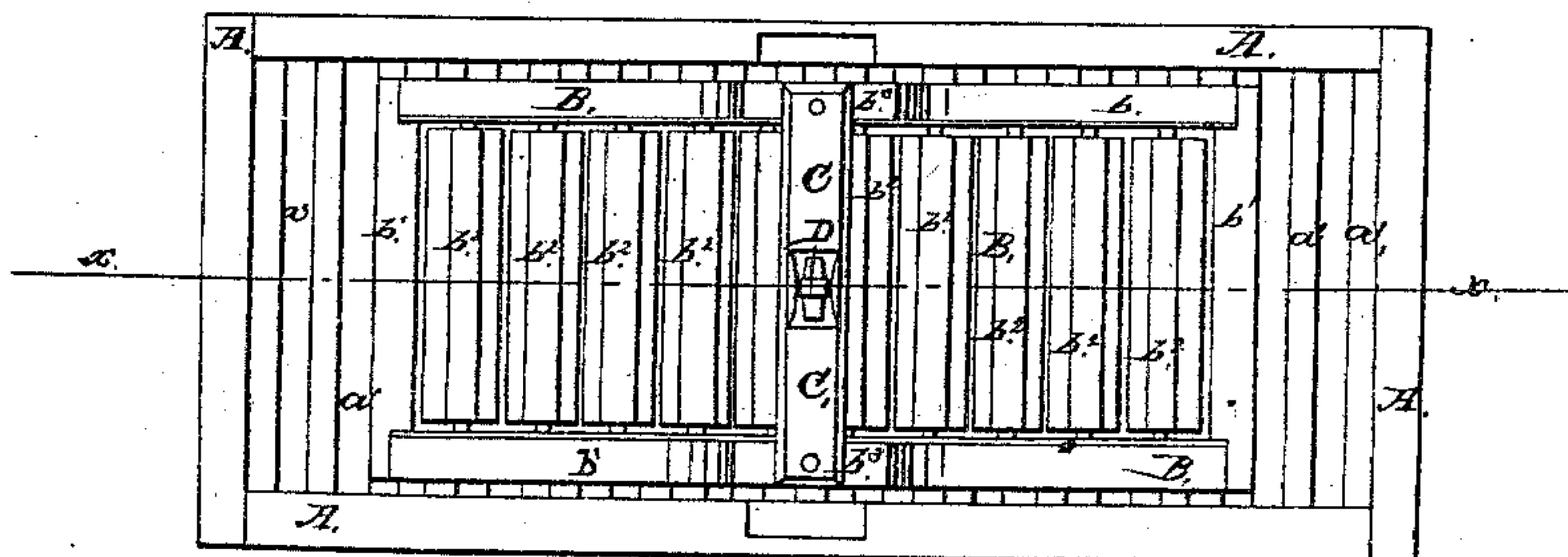
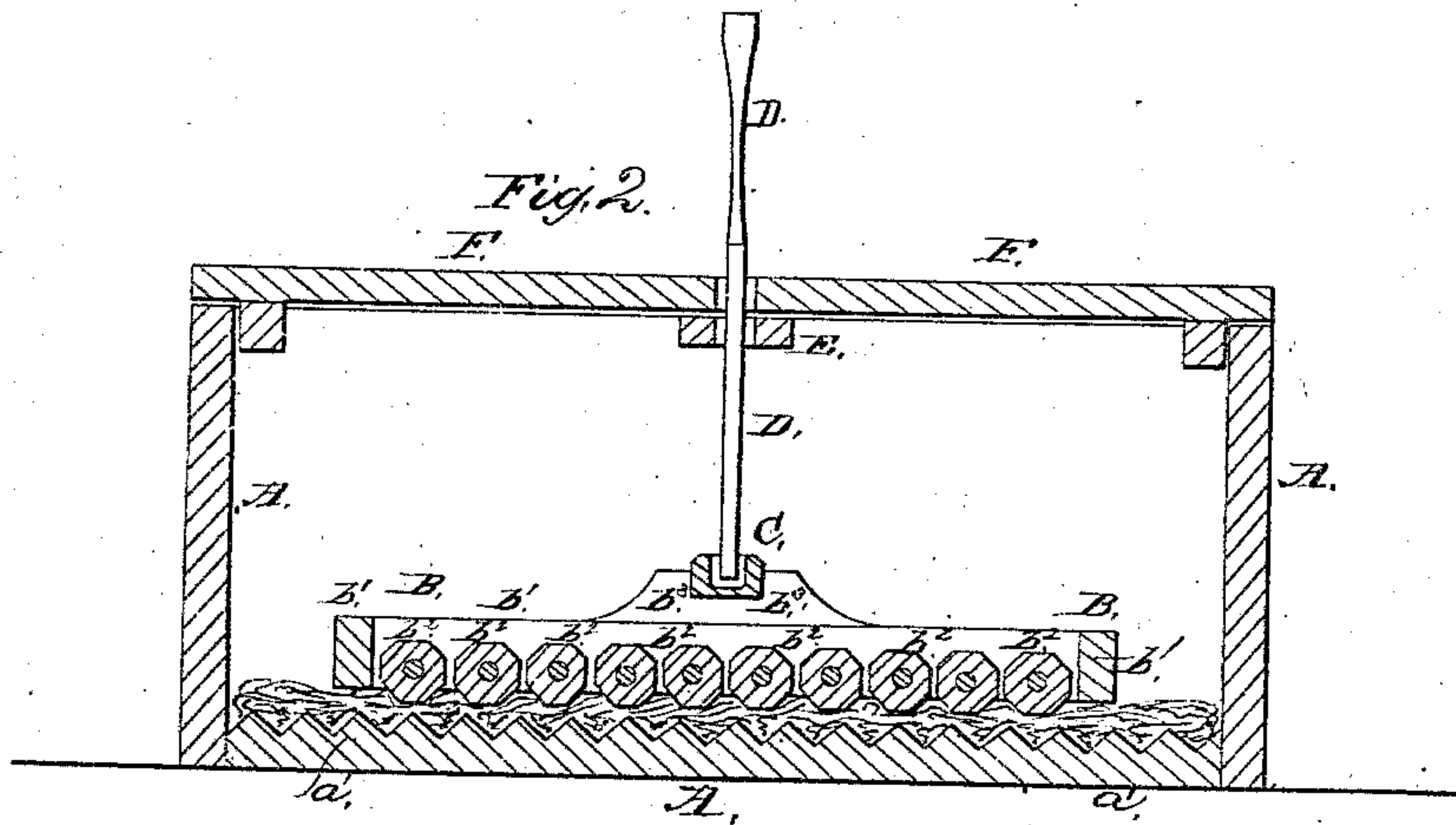


Fig. 2.



Witnesses:

Thos Tuck
J. A. Service

Inventors,

W^m R Short
J. H. Allen
J. Craig
Per Wm Allen
Attorneys

United States Patent Office.

WILLIAM K. SHORT, J. W. ALLEN, AND JOHN CRAIG, OF MOUNT PLEASANT,
IOWA.

Letters Patent No. 62,229, dated February 19, 1867.

IMPROVED WASHING MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, WILLIAM K. SHORT, J. W. ALLEN, and JOHN CRAIG, of Mount Pleasant, in the county of Henry, and State of Iowa, have invented a new and useful Improvement in Washing Machine; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a top view of our improved washing machine, the cover and top cross-bar being removed.

Figure 2 is a vertical longitudinal section of the same, taken through the line *x x*, fig. 1.

Similar letters of reference indicate like parts.

Our invention has for its object to furnish a cheap, simple, convenient, and effective washing machine, and which shall be capable of self-adjustment to any desired thickness of clothes. And it consists of an improved washing machine, the bottom of the box or tub of which is corrugated transversely, and in which the rubbing is done by a horizontal rubber, formed by pivoting a series of octagonal rollers in a rectangular frame and operated by a lever, the whole being constructed and arranged as hereinafter more fully described.

A is the box or tub, which is rectangular in form. The bottom *a'* of the box or tub A is corrugated transversely by forming angular channels across it, as shown in fig. 2. Or the corrugation may be formed by securely attaching angular slats to said bottom. This corrugated bottom forms the lower rubber of the machine. B is the upper rubber, the frame *b'* of which is rectangular in form; is of such a breadth as to fit into and work freely in the box A, and is of such a length as to allow it to have the necessary longitudinal movement for rubbing the clothes. *b''* are octagonal rollers, which are pivoted to the side-bars of the frame *b'*, as shown in figs. 1 and 2, so as to revolve as the rubber B is moved back and forth, rubbing the clothes between the stationary lower rubber and the movable upper one, as shown in fig. 2. C is a cross-bar, the ends of which are securely attached to projections, *b'''*, formed upon the middle parts of the upper edges of the side-bars of the frame *b'*, as shown in the drawings. In the centre of the cross-bar C is formed a socket or mortise, as shown in figs. 1 and 2, to receive the lower end of the lever D. E is a cross-bar, the ends of which rest in notches in the upper edges of the sides of the box or tub A, and having a slot through its middle part for the passage of the lever D, said cross-bars forming the fulcrum of the said lever D in operating the machine. F is the cover, fitting upon the top of the tub or box A, and having a slot through its centre for the passage of the lever D.

In using the machine, the clothes to be washed are spread over the corrugated bottom *a'* of the machine, as shown in red in fig. 2. The upper rubber B is then placed upon them, and the cross-bar E and lever D put into their places. The clothes are then rubbed by moving the rubber B back and forth upon them by means of the lever D.

What we claim as new, and desire to secure by Letters Patent, is—

The horizontal rubber B, consisting of the frame *b'*, octagonal rollers *b''*, projections *b'''*, and cross-bar C, when constructed and arranged as herein set forth.

Witnesses:

M. H. GILLILAND,
J. H. KELLEY.

WILLIAM K. SHORT,
J. W. ALLEN,
JOHN CRAIG.