

W. H. WELCH.
Washing-Machines.

No. 146,498.

Patented Jan. 13, 1874.

Fig. 1.

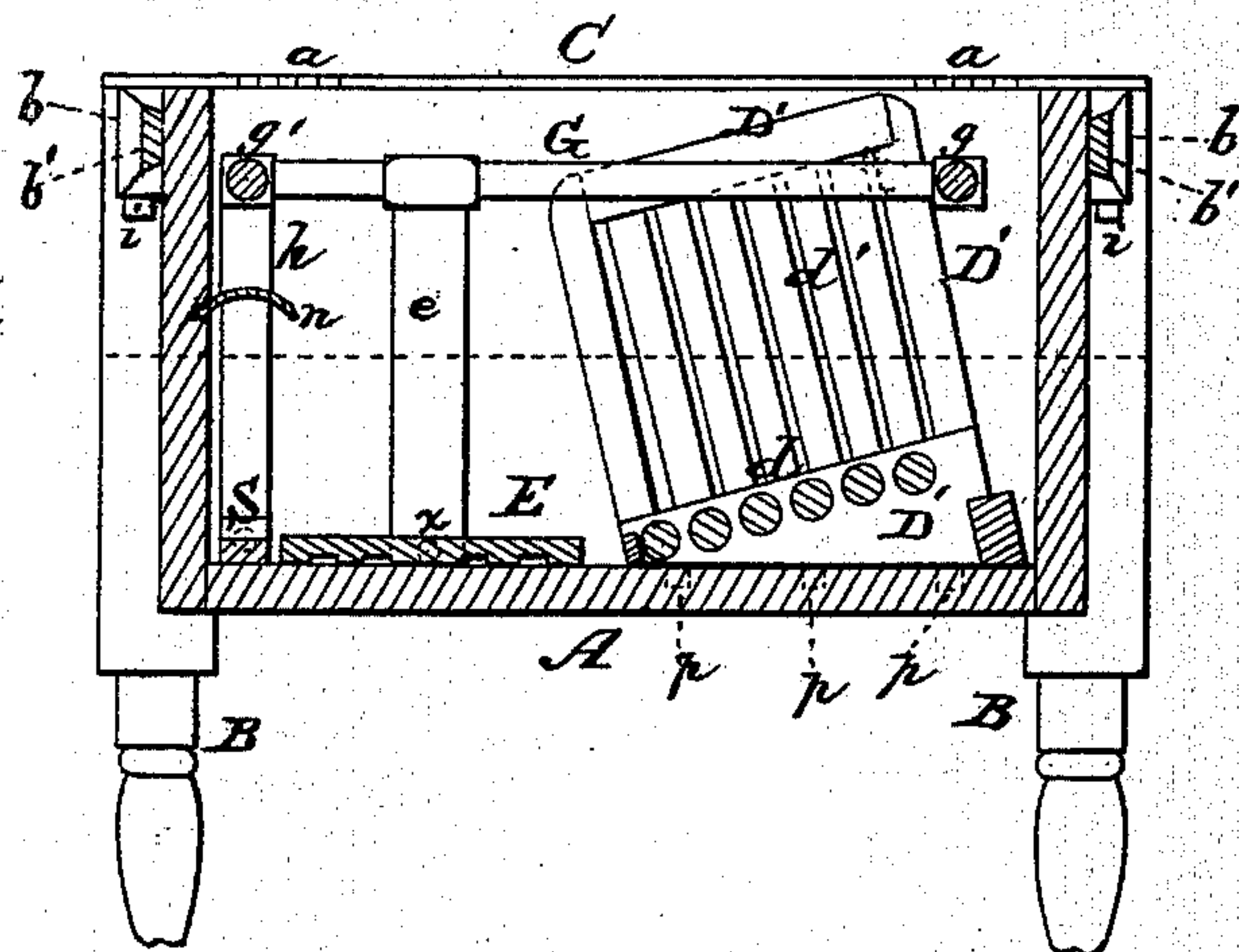


Fig. 2.

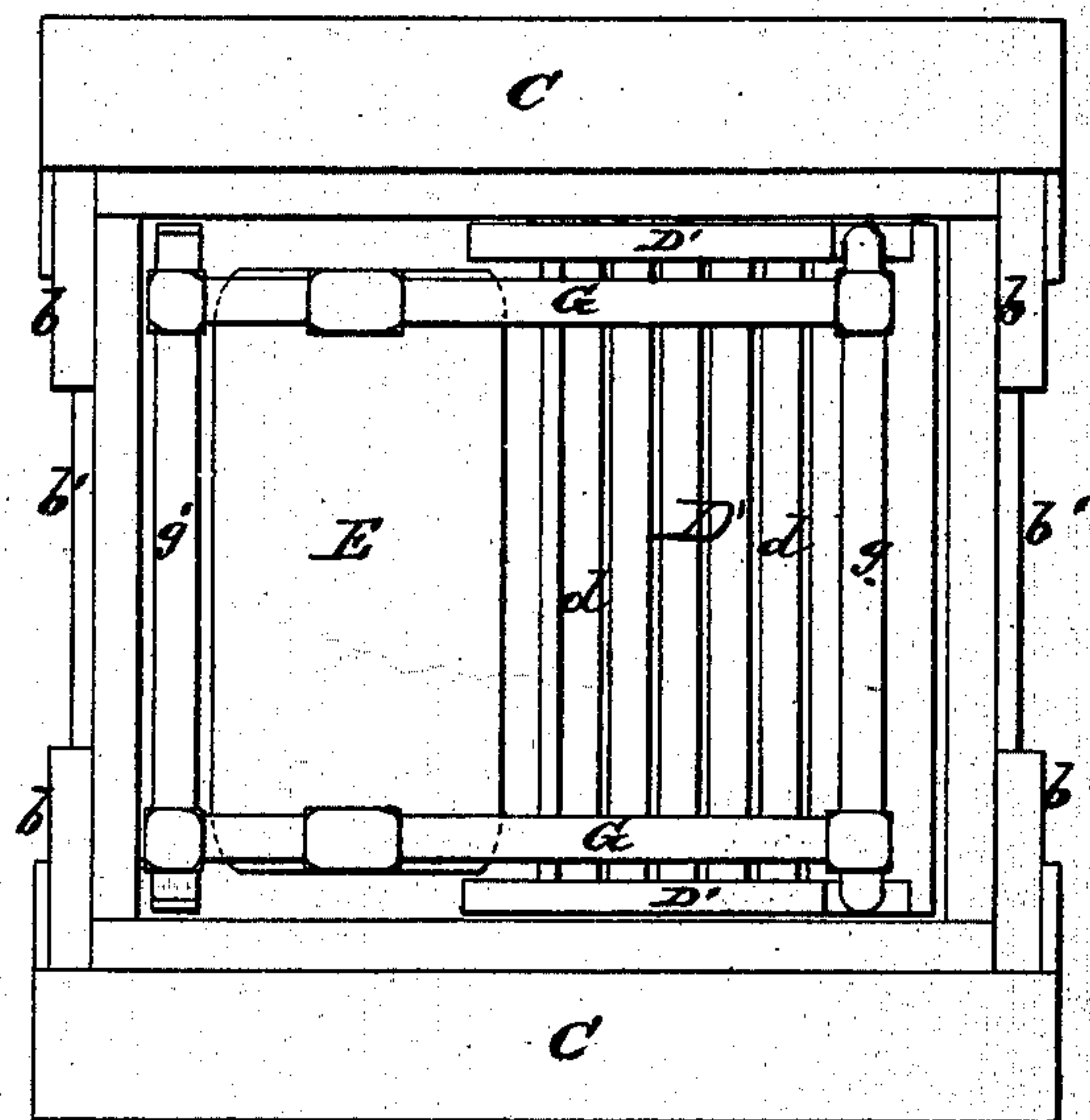


Fig. 3.

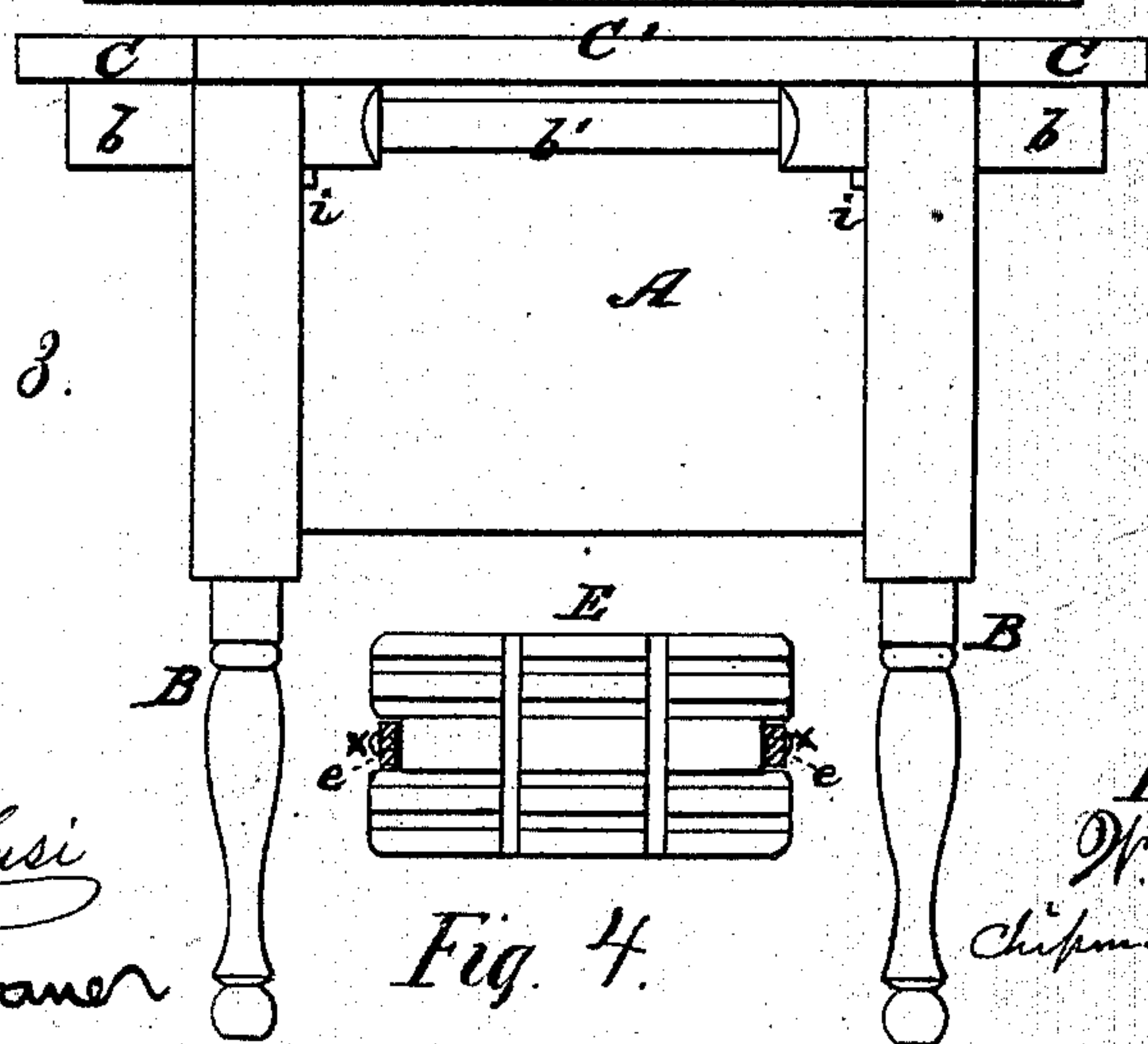
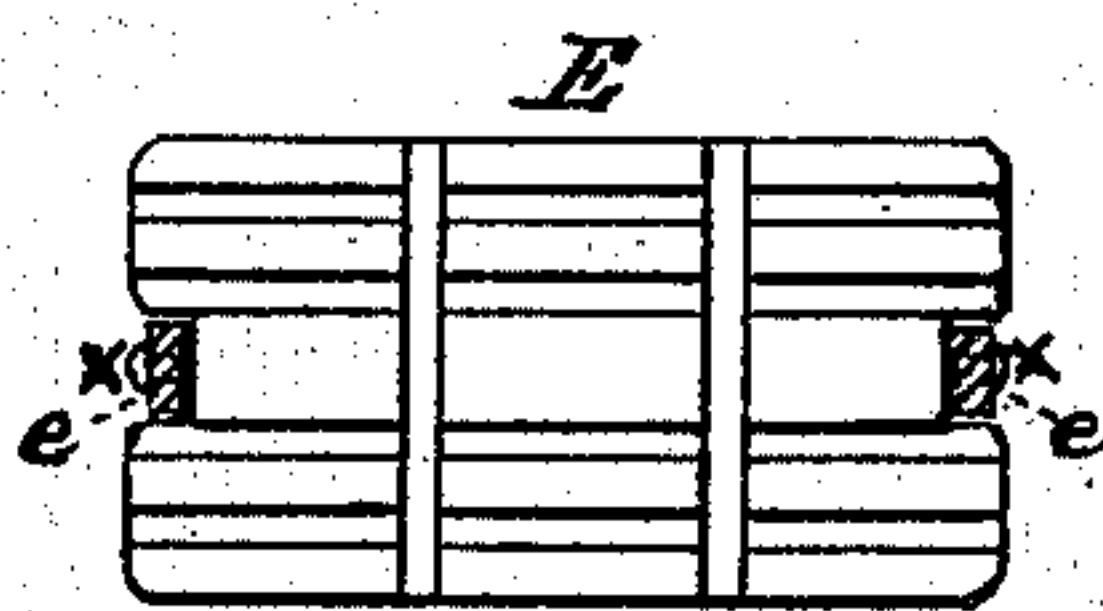


Fig. 4.



Witnesses.
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WILLIAM H. WELCH, OF BLOOMINGTON, ILLINOIS.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 146,498, dated January 13, 1874; application filed September 6, 1873.

To all whom it may concern:

Be it known that I, WM. H. WELCH, of Bloomington, in the county of McLean and State of Illinois, have invented a new and valuable Improvement in Combined Washing-Machine and Table; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical transverse section of my combined wash-machine and table. Fig. 2 is a top view of same, showing internal arrangement. Fig. 3 is an end view of same.

This invention has relation to a combined table and washing-machine; and consists in the construction and novel arrangement of the parts, as will be hereinafter described and claimed.

In the annexed drawings, A represents a rectangular box, which is water-tight and made of suitable capacity to serve as a wash-box, and also the body of a table. This wash-box is mounted on legs B, and provided with a removable cover, C', and two leaves, C C, which are shown elevated in Figs. 2 and 3. The cover, the leaves, the box, and its legs constitute a good substantial table, on which ironing may be done, or which may be used for any other purpose where a table is required.

The leaves C C are supported in an elevated position by means of slides *b b*, which are dovetailed on holding-guides *b' b'*, made fast to the ends of the box A outside. The pins *i* on the slides serve as stops when they strike against the legs B, and prevent these slides from being moved out too far.

Inside of the wash-box A, and held in place on the floor thereof by means of dowel-pins *p*, (indicated by dotted lines, Fig. 1,) is a frame, D', having horizontal transverse rollers *d* in its bottom, and inclined rollers *d'* applied to its sides, which latter prevent the clothes binding between them and a rubber, E. There is also applied inside of the wash-box A a rubbing-board, E, the bottom of which is made up of longitudinal ribs crossed by grooves, as shown by Fig. 4. To the ends of this rubber E the lower ends of standards *e e* are pivoted, at *x x*, and are recessed into the rubber far enough to prevent any binding of

the parts against the rolling sides of the wash-board frame D' when these parts swell. The upper ends of standards *e e* are rigidly attached to longitudinal arms G G, which are provided with transverse rods *g g'*, the former one of which serves as a handle. The extremities of the rod *g* are pivoted to the upper ends of arms *h*, the lower ends of which arms are again pivoted to the extremities of a spring, S, which is confined upon the bottom of the wash-box at the rear end thereof. Above the spring S, and secured to the rear end of the box A, is a concave deflector, *n*, which will direct the water which might be dashed out of the box A by a rapid motion of the rubber back into the box.

When the cover of the wash-box is removed, the washing devices are accessible, and if the leaves C C are left up they afford supports for soap, buckets of water, and other articles, and also prevent water splashing over them on the floor. The rubber having been thrown back and articles to be washed put upon the wash-board, the rubber is returned and worked back and forth upon the articles.

The joints at *x x* allow the rubber to accommodate itself to the inclination of the bottom rolling surface of the wash-board, and the jointed arms *e e* allow the rubber to receive a vibrating sweeping motion over and upon the articles. They can thus be squeezed and at the same time rubbed.

When the work of washing is completed, the jointed arms *e e* allow the arms G G to be adjusted entirely within the wash-box, so that the cover C' may be fitted to its place between the leaves C C.

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

1. The leaves C and dovetailed slides *b*, in combination with the wash-box A, as and for the purpose mentioned.

2. In combination with the rubber E, the frame D', having the horizontal transverse rollers *d* and inclined side rollers *d'*, as specified, and for the purpose mentioned.

In testimony that I claim the above I have hereunto subscribed my name in the presence of three witnesses.

WILLIAM H. WELCH.

Witnesses:

O. W. ALDRICH,
C. L. CAMP,
JOHN E. SCOTT.