

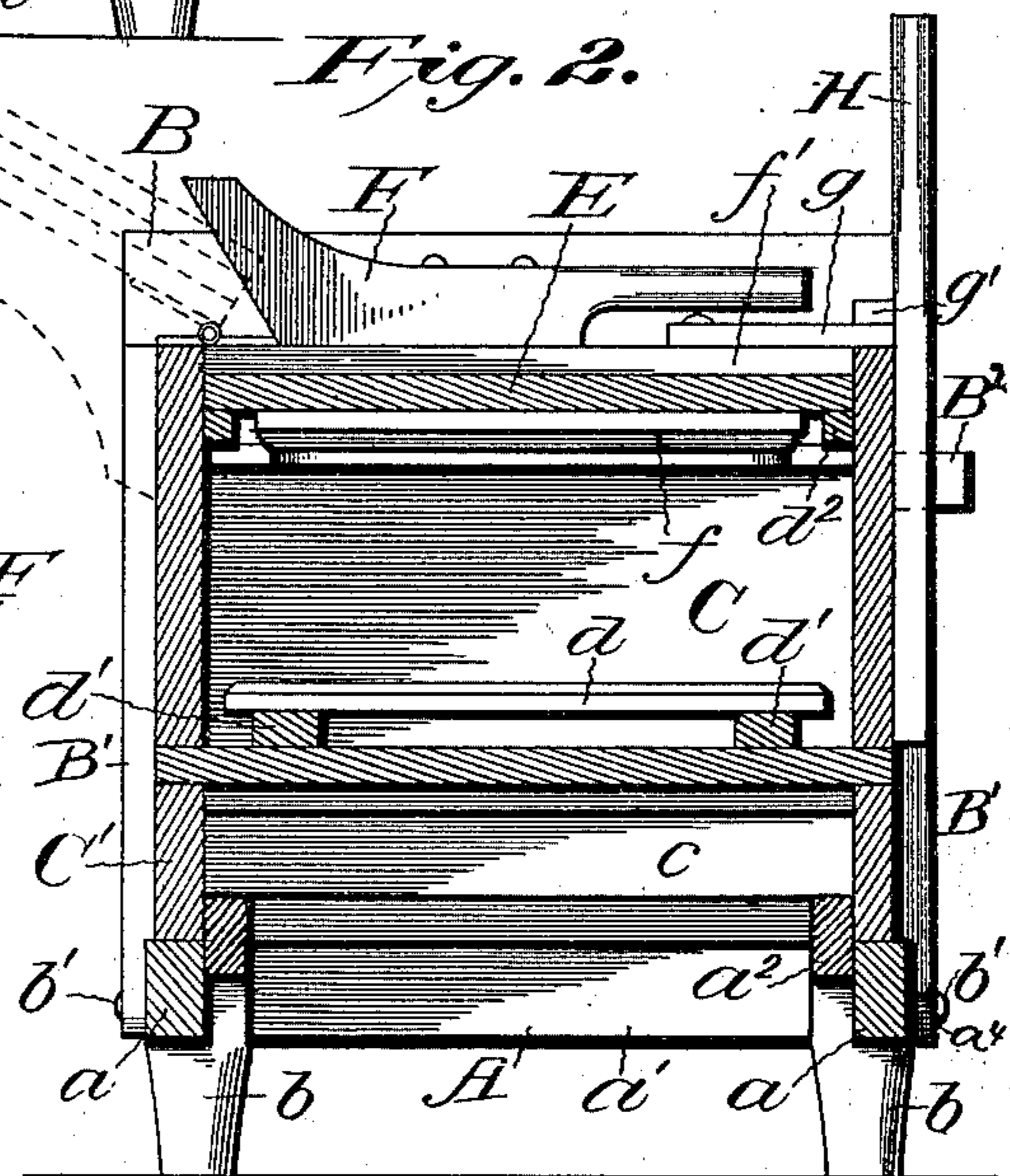
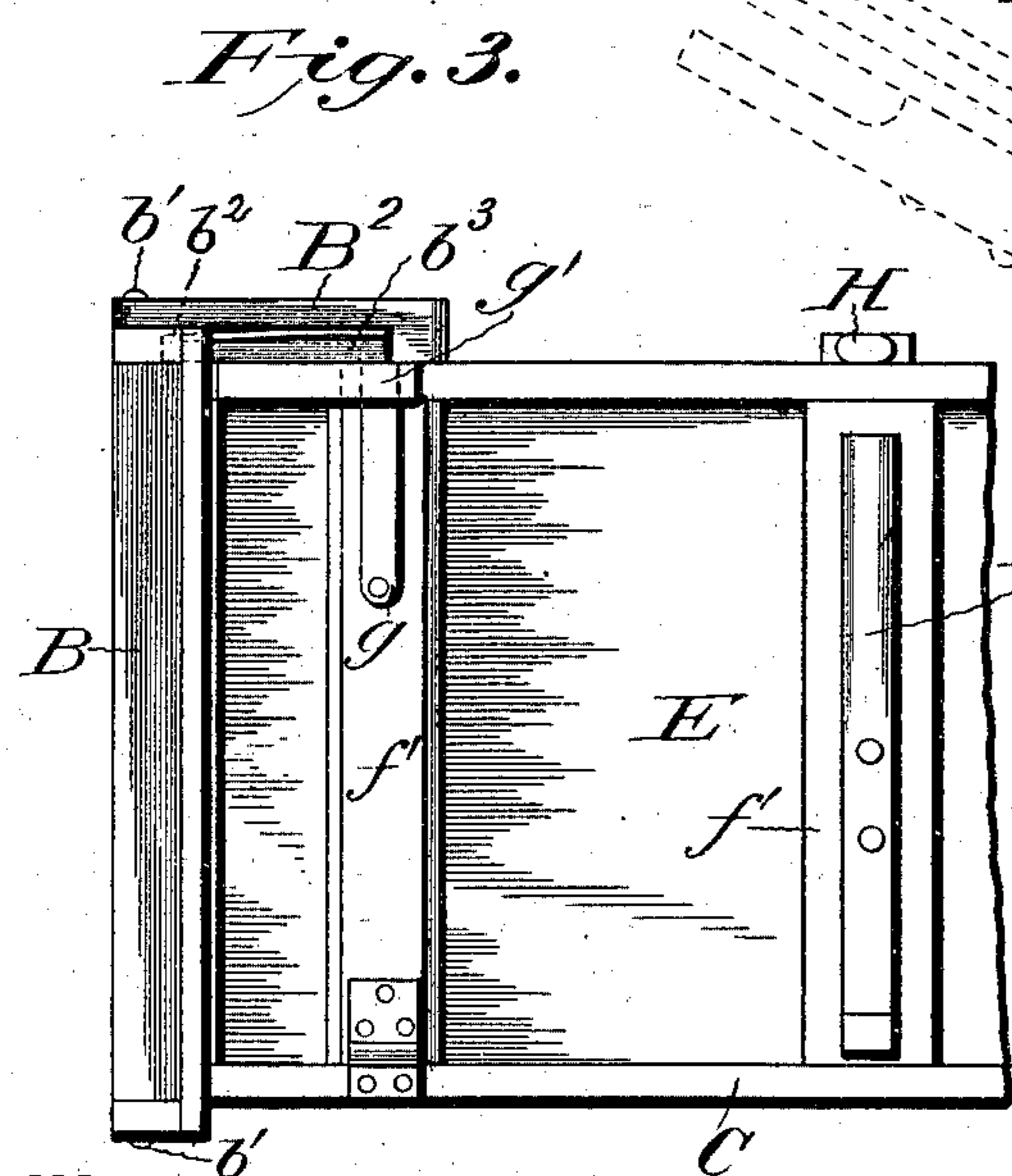
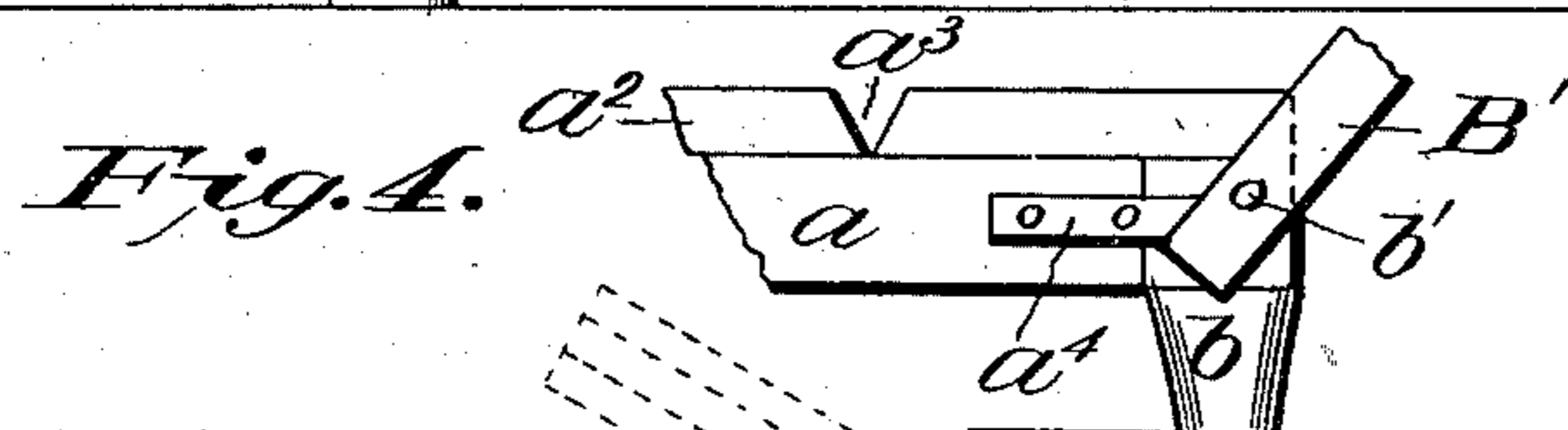
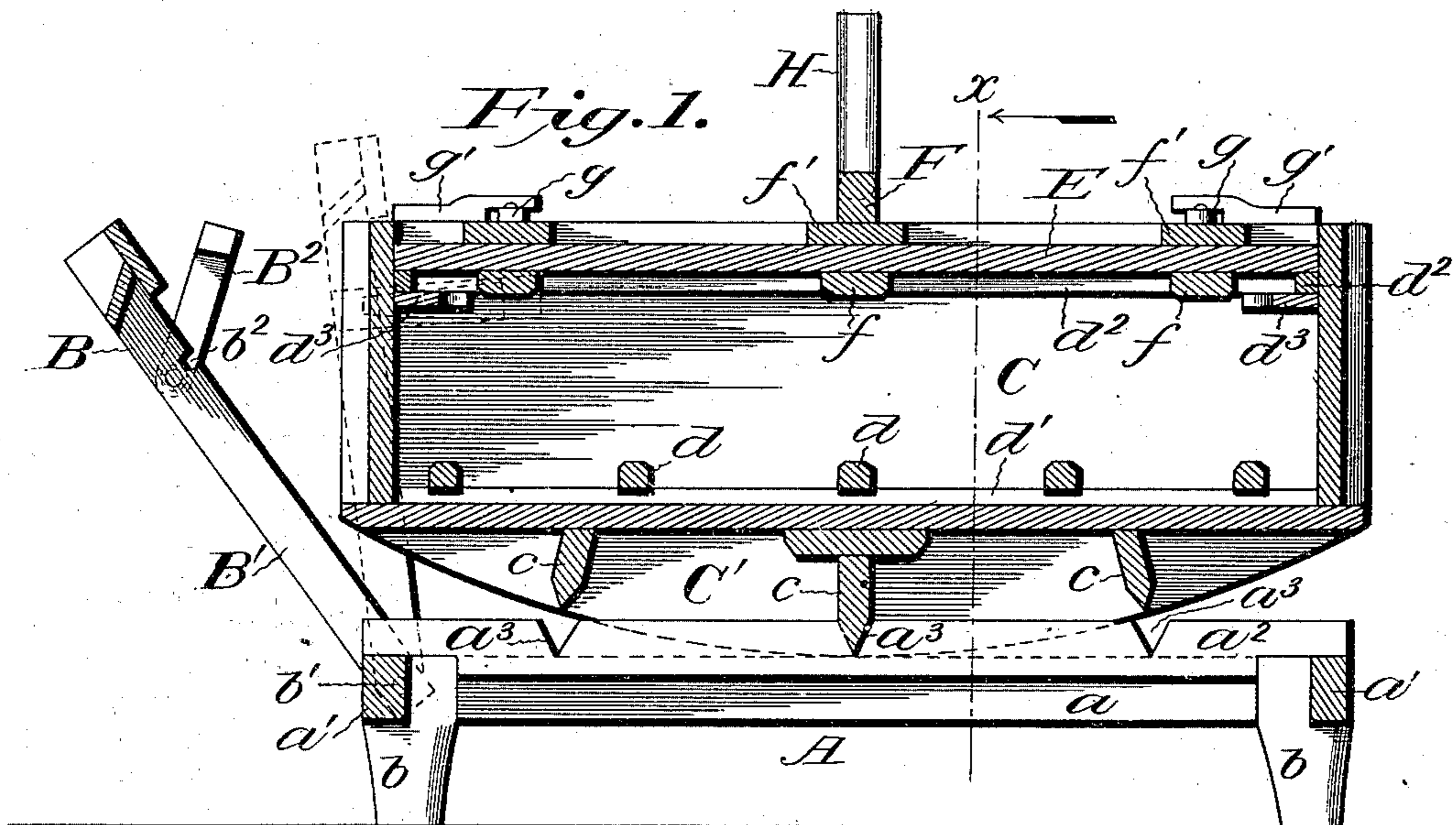
No. 702,429.

Patented June 17, 1902.

R. S. HIGGINS.
WASHING MACHINE.

(Application filed Jan. 20, 1902.)

(No Model.)



WITNESSES:

C. H. Walker
H. H. Johnson

INVENTOR

Rozander S. Higgins. INVE

By *Engene W. Johnson.*

Attorney

UNITED STATES PATENT OFFICE.

ROZANDER S. HIGGINS, OF NEOGA, ILLINOIS.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 702,429, dated June 17, 1902.

Application filed January 20, 1902. Serial No. 90,467. (No model.)

To all whom it may concern:

Be it known that I, ROZANDER S. HIGGINS, a citizen of the United States, residing at Neoga, in the county of Cumberland and State of Illinois, have invented new and useful Improvements in Washing-Machines, of which the following is a specification.

This invention relates to certain new and useful improvements in washing-machines; and it consists in certain novel features of construction and combination of the parts, as will be hereinafter set forth.

In the drawings, Figure 1 is a longitudinal sectional view of a washing-machine of the rocker type constructed in accord with my invention, and in such view the wringer-support is shown out of engagement with the suds-box in full lines and in engagement therewith by dotted lines. Fig. 2 is a vertical section on the line $x x$ of Fig. 1. Fig. 3 is a plan view of a part of the machine, and Fig. 4 is a detail view.

The base or supporting-frame A consists of outer longitudinal side pieces a , cross-bars a' , to which are attached legs b , and to the frame, so as to extend above the upper edges of the side pieces a , are guide-pieces a^2 , having V-shaped notches or recesses a^3 of sufficient depth to extend to the upper edge of the side pieces a .

A wringer support or frame B is made up of side bars B' and cross-pieces attached to the upper ends thereof, the lower ends of the side bars being pivotally attached to one end of the frame A by means of bolts b' . One of the side bars B' has formed in a side nearest the tub a notch b^2 , and adjacent to this notch there is attached, by means of a pivot or bolt, a latch B^2 , the outer end having an inwardly-projecting portion, one face of which is beveled or inclined. The notch and latch are adapted to engage with the opposite ends of a block b^3 , attached to the tub. The swinging movement of the frame B outward is limited by a block or stop a^4 , attached to the frame A, so that the end of the side piece B' below the pivot will contact therewith, as shown in Fig. 4, to maintain the wringer-frame in an inclined position, as shown in full lines in Fig. 1.

The tub or suds-box C has attached thereto rockers C' , which are connected by cross-pieces c , the center cross-piece being at right angles

with the bottom of the tub, the other two cross-pieces being inclined, as shown. The lower edges of the cross-pieces c are beveled on opposite sides to engage the V-shaped recesses a^3 . When the edge of the rockers adjacent to such cross-pieces contacts with the upper edges of the longitudinal side pieces a of the frame A, the cross-pieces engaging the notches will prevent longitudinal movement of the suds-box on the frame and will not interfere or prevent the same being rocked or oscillated on the frame.

The suds-box on its inner side carries a number of transverse slats d , which are attached to longitudinal strips d' , and near the upper edge the tub has battens d^2 , against which the cover E will bear when closed, and in order to prevent the suds or water seeping or splashing out of the box as it is oscillated I attach beneath the end battens splashboards d^3 , which may be centrally cut away, as shown.

The top or cover E has on both its inner and outer sides transverse reinforcing-strips $f f'$, and to the outer end strips are pivoted latches $g g$, which may be turned to engage cleats g' , attached to the upper edge of the frame of the suds-box, these latches and cleats when in engagement holding the top closed.

F refers to a handle which is attached to the central cross-piece f' of the cover, one end of the handle or block being cut away to provide a grasping portion, the other end being at an acute angle with the cover and at such a distance from its edge that when the cover is raised the angular end will engage the side of the box and maintain the cover in an inclined position with its edge over the tub, and when so positioned the top may be used as a support for the wash, the water draining from the cover into the tub.

When the wringer-supporting frame B is disengaged from the tub or box C, the same may be oscillated on its supporting-frame by the handle H.

In use the articles to be washed are rubbed with soap and are then placed in the tub, which is partially filled with hot water, the tub being oscillated until the clothes are thoroughly cleansed, and when it is desired to wring the clothes the frame B, which carries

a wringer, is brought to the position shown in dotted lines on Fig. 1 and locked by the latch. The cover being positioned as shown in Fig. 2 provides a convenient support for
5 the clothes.

As the cross-pieces *c* do not extend below the curved rocker-frame, the tub may be moved from its supporting-frame and drawn or carried without liability of injuring the
10 tapered ends of the cross-pieces.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a washing-machine, the combination of
15 a supporting-frame, a suds-box in rocking engagement therewith, a wringer-frame pivoted to one end of the supporting-frame, a recess

*b*² in one of the side bars of the wringer-frame, a latch having an inwardly-projecting end portion, the latch being pivoted to the side
20 bar adjacent to the recess therein, a block *b*³ attached to the suds-box so that one end will enter the recess and the other end will be engaged by the projecting end portion of the
25 latch, substantially as shown and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ROZANDER S. HIGGINS.

Witnesses:

J. D. WILSON,
E. T. SMITH.