

(Model.)

F. L. WICKHAM.  
WASHING MACHINE.

No. 248,265.

Patented Oct. 11, 1881.

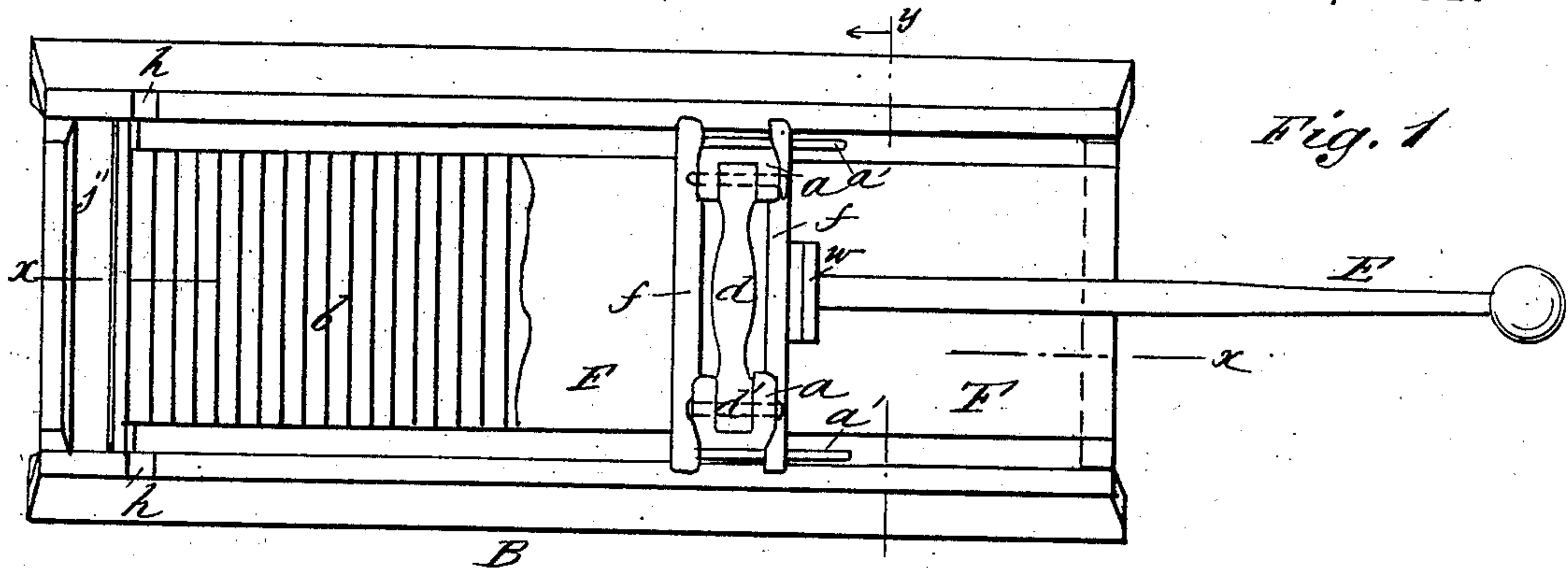


Fig. 1

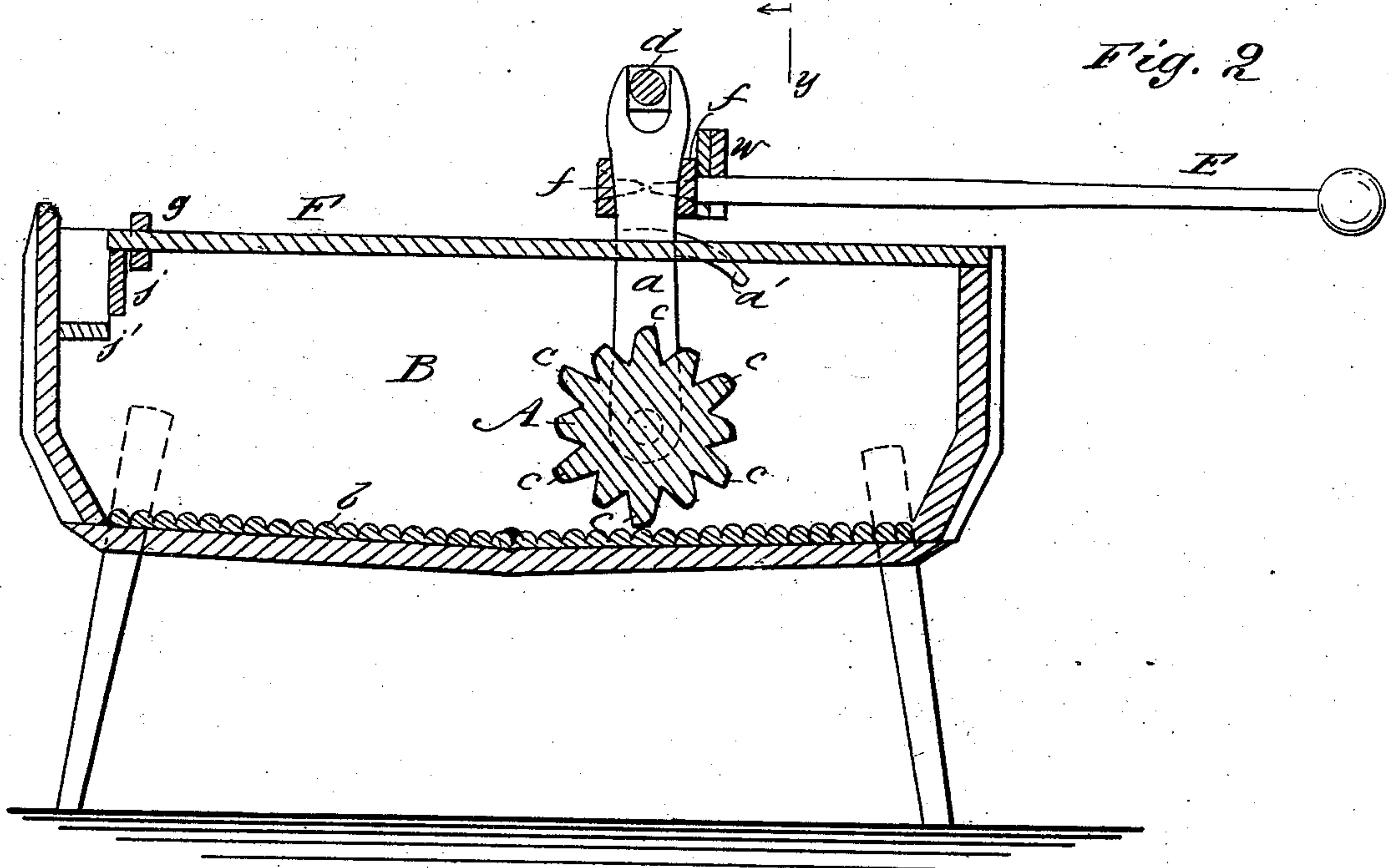


Fig. 2

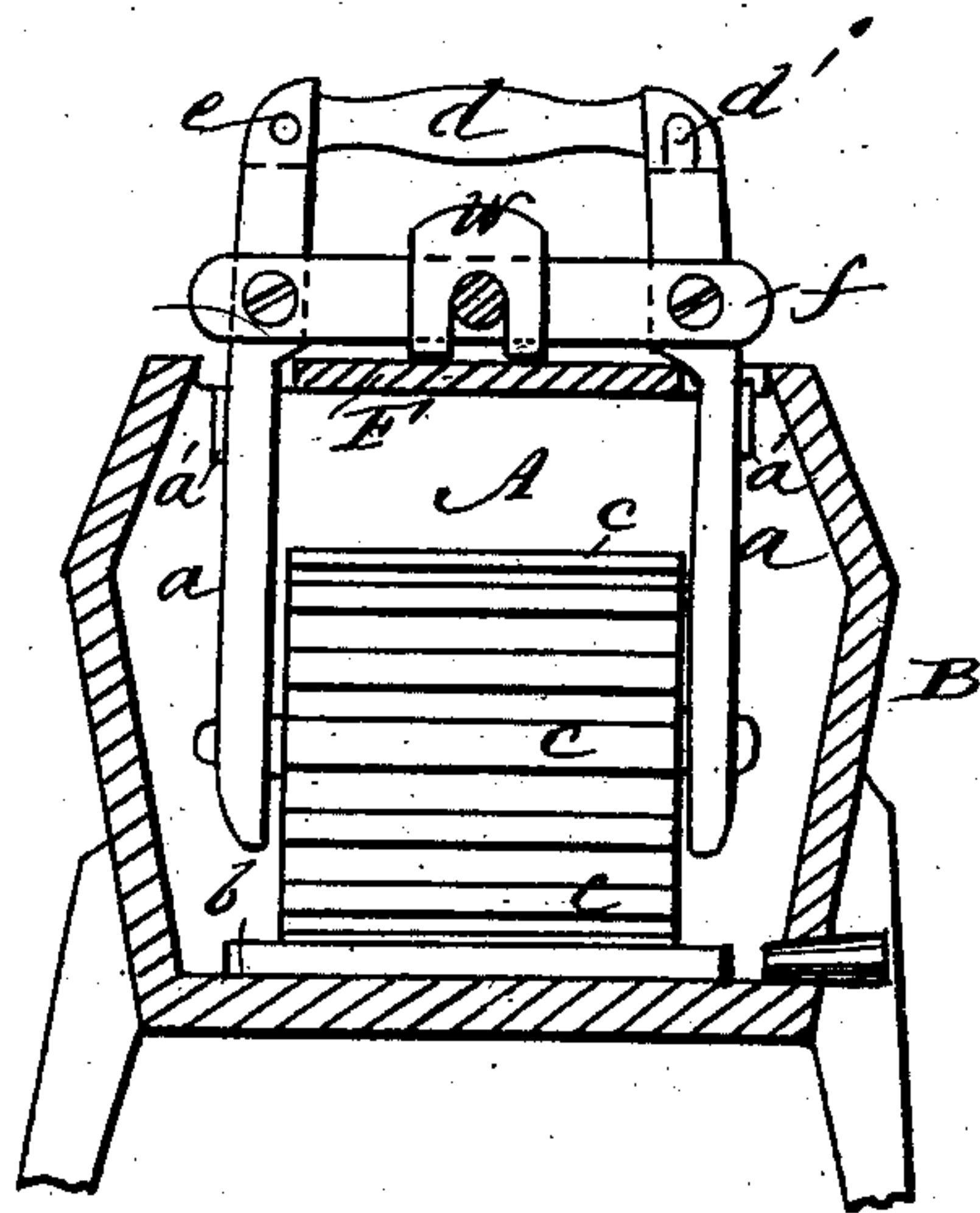


Fig. 3

WITNESSES:

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# UNITED STATES PATENT OFFICE.

FLAVIUS L. WICKHAM, OF RACINE, WISCONSIN, ASSIGNOR TO EMMA C. WICKHAM, OF SAME PLACE.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 248,265, dated October 11, 1881.

Application filed June 13, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, FLAVIUS L. WICKHAM, of Racine, Racine county, Wisconsin, have invented a new and Improved Washing-Machine, of which the following is a specification.

My invention relates to that class of washing-machines which are provided with corrugated rollers which are moved back and forth over the clothes; and the invention consists, principally, in making the corrugated roller of such form as to have a pounding as well as a rubbing effect upon the clothes, and thus more rapidly and effectively remove the dirt.

The invention further consists of the frame carrying the roller in combination with the narrow cover, whereby the roller is allowed to readily adjust itself to the unevenness of the clothes and still be caused to move in a straight line; of the frame carrying the irregular roller in combination with the wash-board bottom of the tub or reservoir and the narrow cover; also of the construction and arrangement of parts, as hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a plan view of my improved washing-machine. Fig. 2 is a vertical longitudinal section thereof on line *x x*, Fig. 1; and Fig. 3 is a cross-section taken on the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

A represents the corrugated roller, which is journaled in the upright side bars, *a a*, of the frame; and B represents the tub or reservoir, which is provided with the wash-board or corrugated bottom *b*. The roller A is of such form that the longer ribs *c c*, when the roller is forced rapidly back and forth over the clothes, will pound the clothes and at the same time exert a rubbing action upon the clothes between all of the corrugations of the roller and the corrugations of the tub or reservoir. The side bars, *a a*, of the frames, which carry the roller, are bifurcated at their upper ends, and the handle *d*, which ties the bars together at the top, is hinged at *d'*, and secured to the other side bar by the removable pin *e*, so that when the pin is removed the roller may be taken

out of the frame by oscillating the bars *a*, which are pivoted to the cross-bars *f*.

Below the handle *d* is secured to the side pieces, *a a*, the cross-bars *f f*, into which the handle E of the frame is secured, and upon the handle may be placed the weights *w* for adapting the roller to washings of different sizes and for washing heavy as well as light clothing.

To the outside of the side pieces, *a a*, about midway of their length, are placed the hooks or pins *a' a'*, which are adapted to catch over the edge of the reservoir for permitting the cover F to be removed or replaced, and for holding the frame and roller out of the way while the clothes are being spread upon the bottom of the tub or reservoir or removed therefrom. The cover F is narrower than the tub or reservoir, and narrower also than the frame which carries the roller, and when in place it goes between the side bars, *a a*, of the frame, as shown clearly in Fig. 3, and serves to guide the frame and cause it to be reciprocated in a straight line. One end of the cover is provided with the cross-piece *g*, which, when in place, fits in the notches *h h*, formed in the side boards of the tub or reservoir. The forward end of the cover rests upon cross piece *g*, which rests in notches *h* and extends down to the cross-piece *j*, which cross-piece, together with the cross-piece *j'*, permits a wringer to be secured to the tub or reservoir in convenient position for wringing the clothes and for conducting the water from the clothes back into the reservoir.

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

1. The roller A, having long and short ribs, in combination with the side pieces, *a a*, cross-bars *f*, handle E, cover F, and the reservoir B, substantially as and for the purposes set forth.

2. The side pieces, *a a*, roller A, and pivoted cross-pieces *f f*, in combination with the hinged handle *d* and the handle E, substantially as set forth.

FLAVIUS LUMAN WICKHAM,

Witnesses:

ERASTUS C. PECK,  
ANTHONY MILLER.