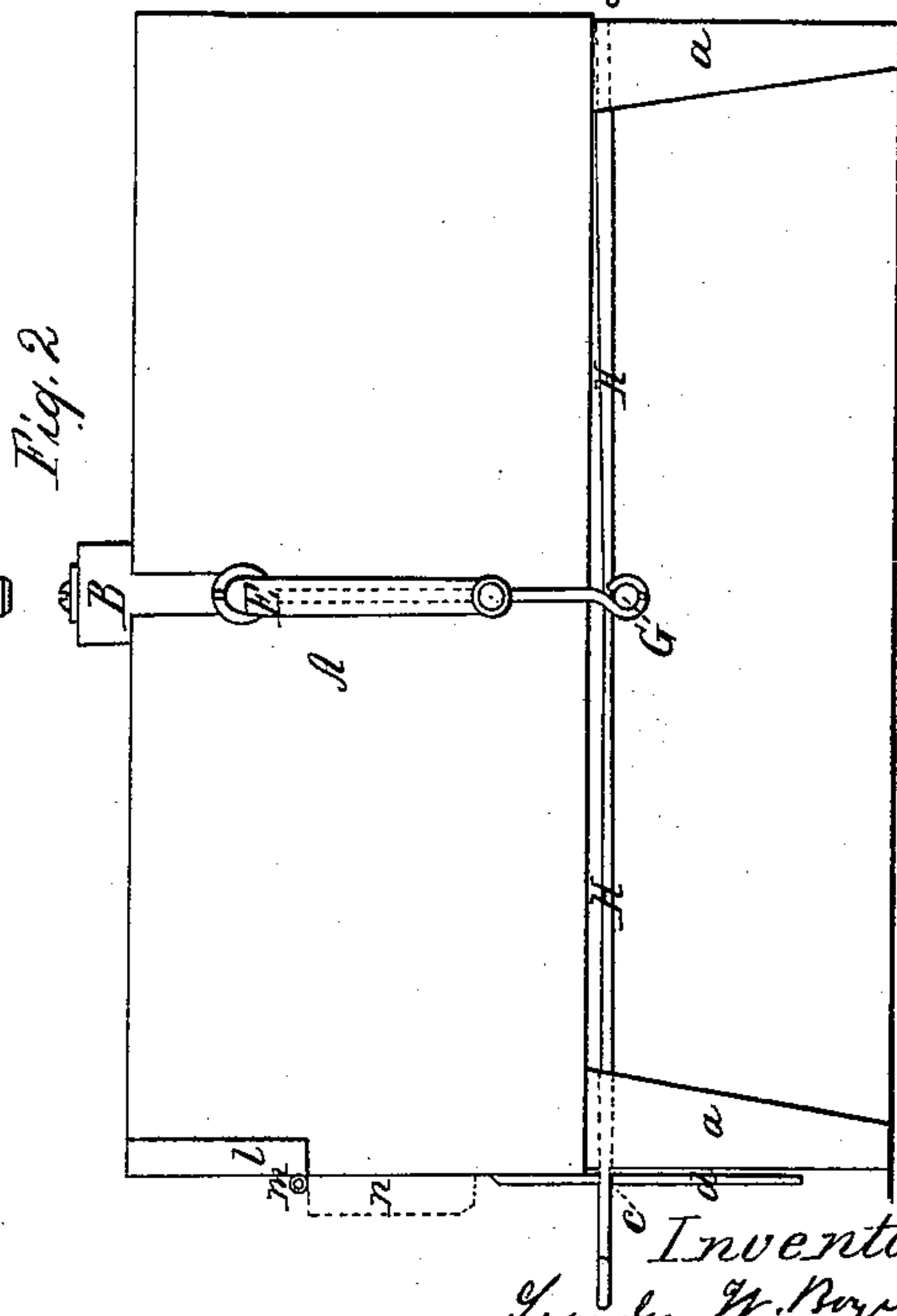
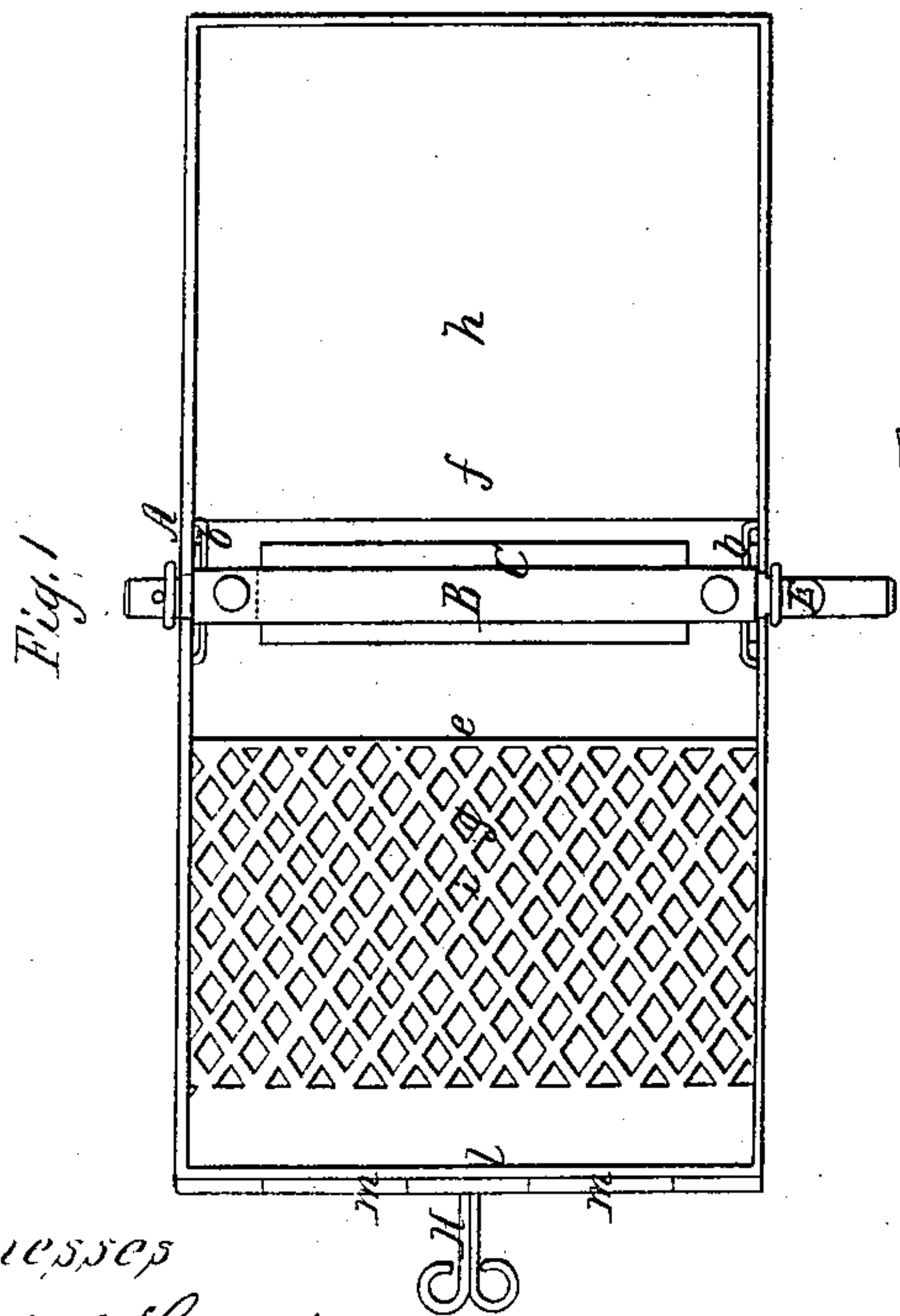
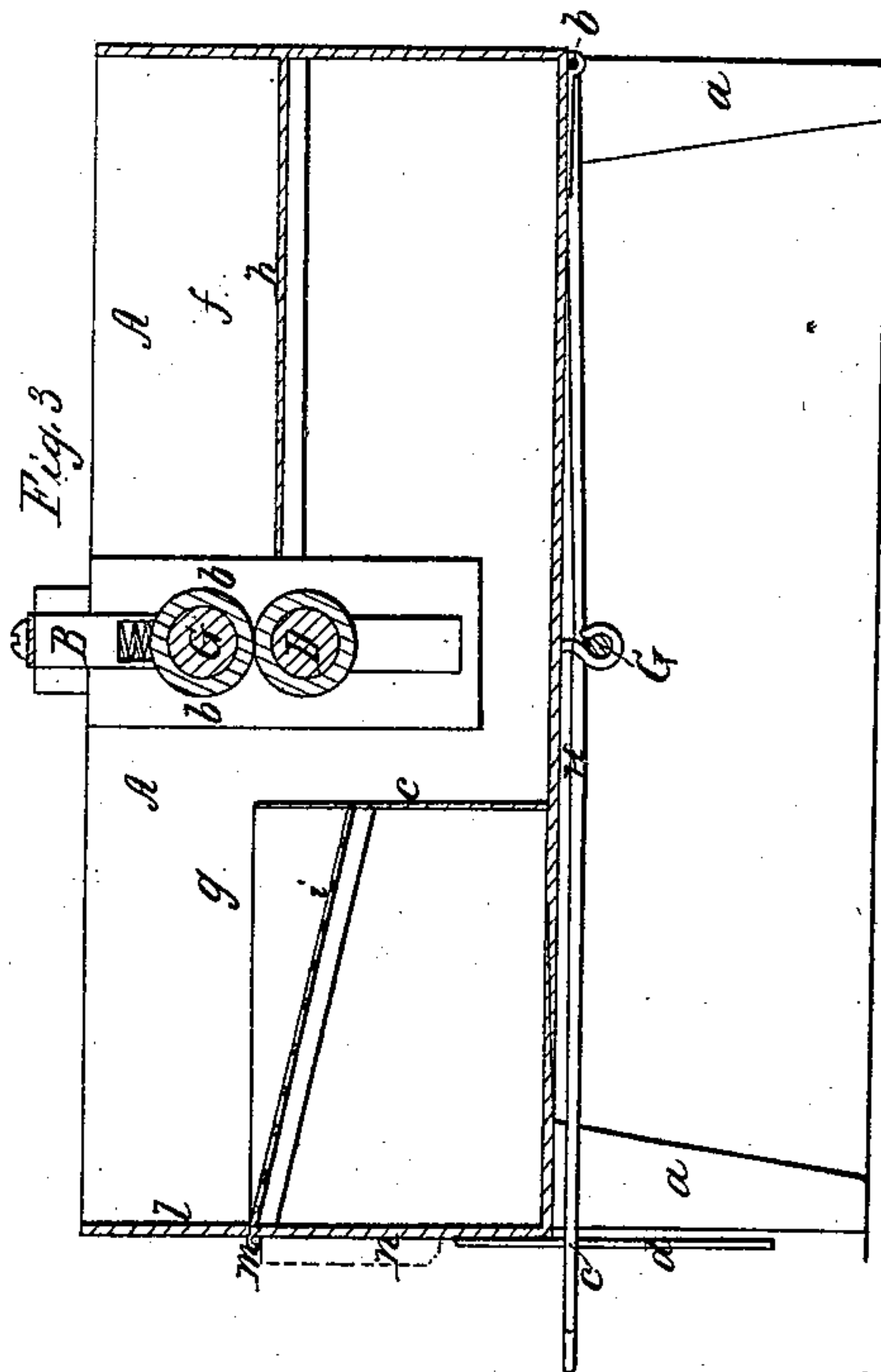
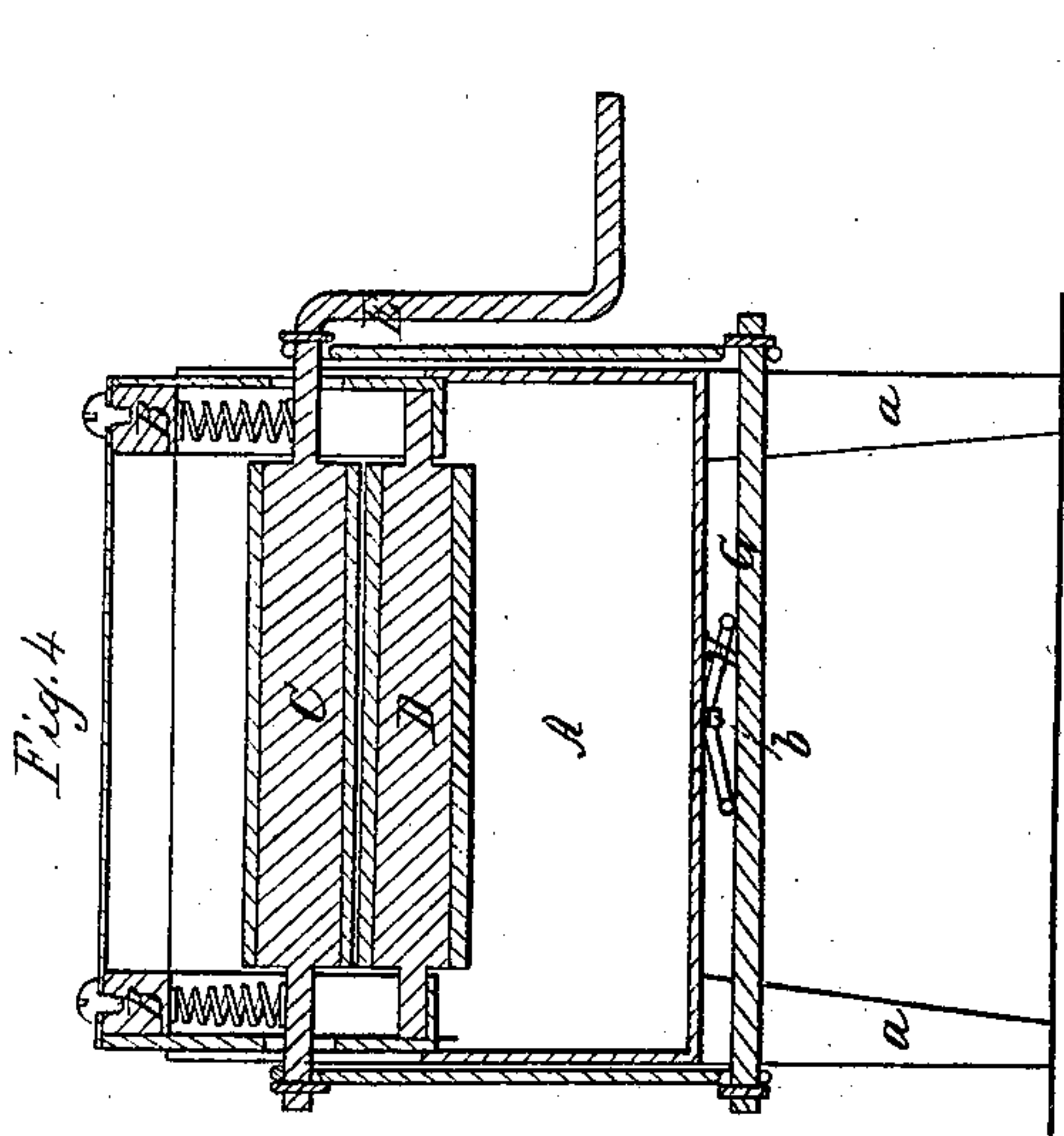


*L. W. Boynton,
Washer and Wringer.*

N^o 42,042.

Patented Mar 22, 1864.



*Witnesses
Frederick Curtis.
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UNITED STATES PATENT OFFICE.

LEANDER W. BOYNTON, OF HAMPTON, CONNECTICUT, ASSIGNOR TO HIMSELF AND LEVI L. TOWER, OF CAMBRIDGEPORT, MASSACHUSETTS.

IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 42,042, dated March 22, 1864.

To all whom it may concern:

Be it known that I, LEANDER W. BOYNTON, a resident of Hampton, in the county of Windham and State of Connecticut, have invented a new and useful or Improved Machine for Washing and Wringing Clothes; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, Fig. 3 a longitudinal section, and Fig. 4 a transverse section, of the machine, the nature of my invention consisting in an improved clothes washing and wringing machine as made with its two wringing or squeezing rollers so combined with their tub as to be capable of being moved out of and lowered into the same or the washing-liquid thereof, in order that such rollers, while in or partially in the said liquid, may be used for washing clothes, and when raised out of the liquid may be employed for expressing the fluid from such clothes; and my invention further consists not only in so making the washing and wringing machine, but in constructing its tub in two apartments or reservoirs, one to contain the washing-fluid and the other to hold the rinsing-water that may be required.

In the drawings, A represents the tub, which, in this case, is an oblong box resting on four feet, *a a a a*. In or about in the middle of the box, and extending across it, and arranged in guides *b b*, so as to be capable of being moved vertically relatively to the box, is a frame or yoke, B, provided with two elastic rollers, C D, which are arranged in the said frame or yoke, as shown in the drawings. One of these rollers is to be forced down upon or toward the other by pressure-springs or other suitable equivalent, such as are in common use in clothes wringers or squeezers.

The shaft of the upper roller, to which a crank, E, is fixed to enable the roller to be revolved by manual power, or to be moved with a reciprocating rotary motion, as circumstances may require, has two stiff rods, F F, depending from it, and supported by a cross-bar, G, which has journals to go through the lower parts of the rods, and extends from a lever, H, which is arranged under the tub, and has its fulcrum at *b*, as shown in Fig. 3. By means

of this lever the roller-frame may be moved vertically, so as to raise the rollers entirely out of the suds or water in the tub, or to depress them into the same, as occasion may require, the lever, when in its highest position, being held up by being sprung up into a notch, *c*, in an arm, *d*, projecting down from one end of the tub.

Furthermore, the tub, by means of a cross-partition, *e*, arranged at a sufficient distance from the rollers, is divided into two reservoirs or chambers, *f g*, one of which is furnished with a horizontal board, *h*, and the other with an inclined or perforated wash-board, *i*, such boards being arranged with respect to the rollers, as shown in Fig. 3. That end of the tub which is adjacent to the perforated board *i* has that portion *l* of it which is above the board *i* separate from the rest and applied to it by hinges *m m*, so as to be capable of being turned down into the position as represented in dotted lines at *n* in the drawings, the same being to enable a person to gain more ready access to the board *i*.

When washing with the rollers, they are to be depressed within the liquid of their chamber, and are to be worked with a reciprocating rotary movement, such as will cause the clothes to pass alternately forward and backward between them. After the clothes may have been thoroughly washed, the rollers are to be raised out of the liquid, and in this state may be used for expressing from the clothes their liquid contents, the clothes being received in the rinsing-water, which subsequently may be in a like manner expressed from them by running them between the rollers in a manner well understood.

What I claim as my invention is—

The improved washing and wringing machine made substantially as described—viz., with two rollers so combined with their tub as to be capable of being moved vertically within the same, so as to enable them to be employed either for washing clothes in the tub or for subsequently expressing their fluid contents from them, substantially as specified.

LEANDER W. BOYNTON.

Witnesses:

R. H. EDDY,
F. P. HALE, Jr.