

(Model.)

2 Sheets—Sheet 1.

W. C. GOODE.
WASHING MACHINE.

No. 282,514.

Patented Aug. 7, 1883.

Fig. 1.

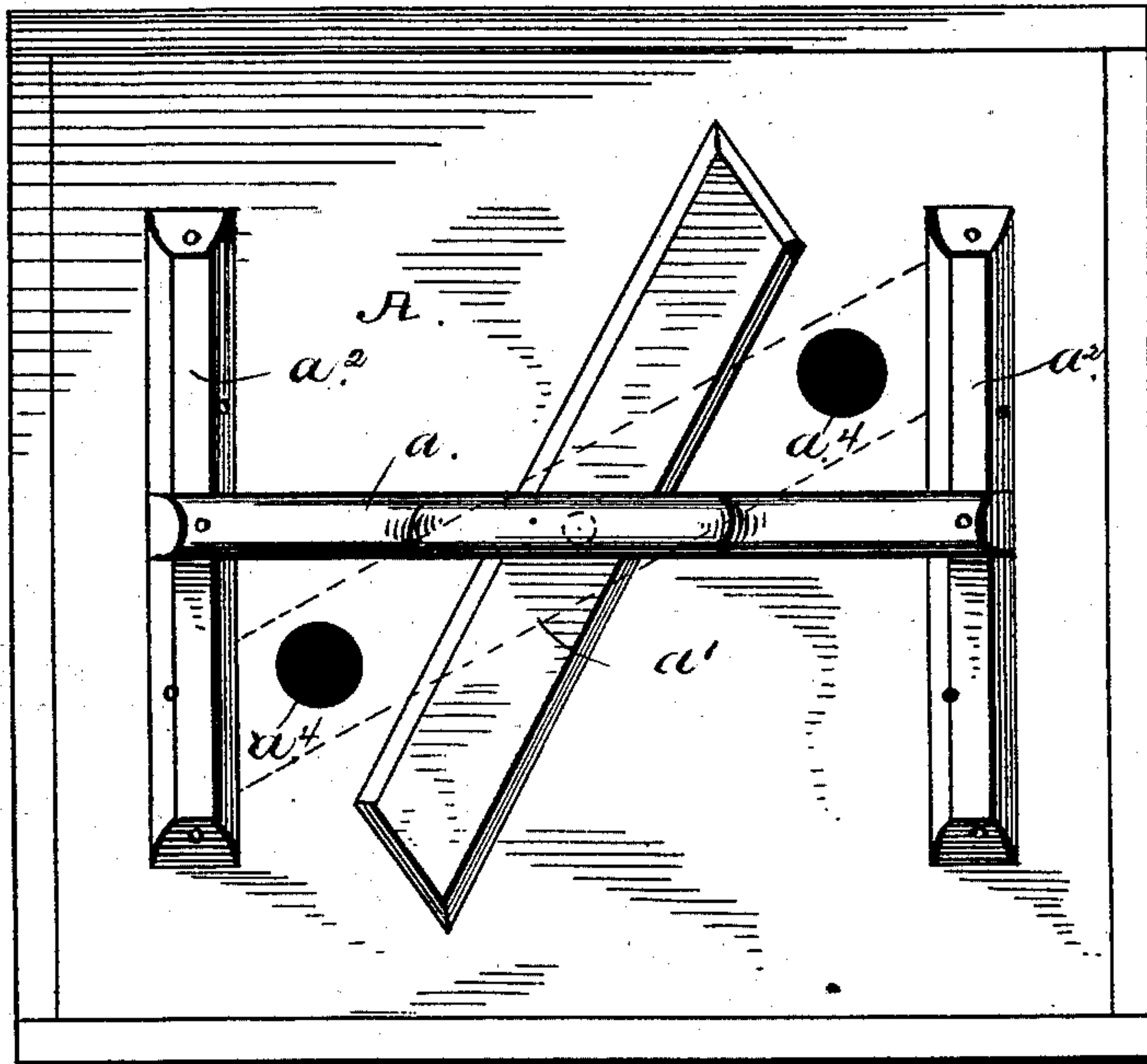
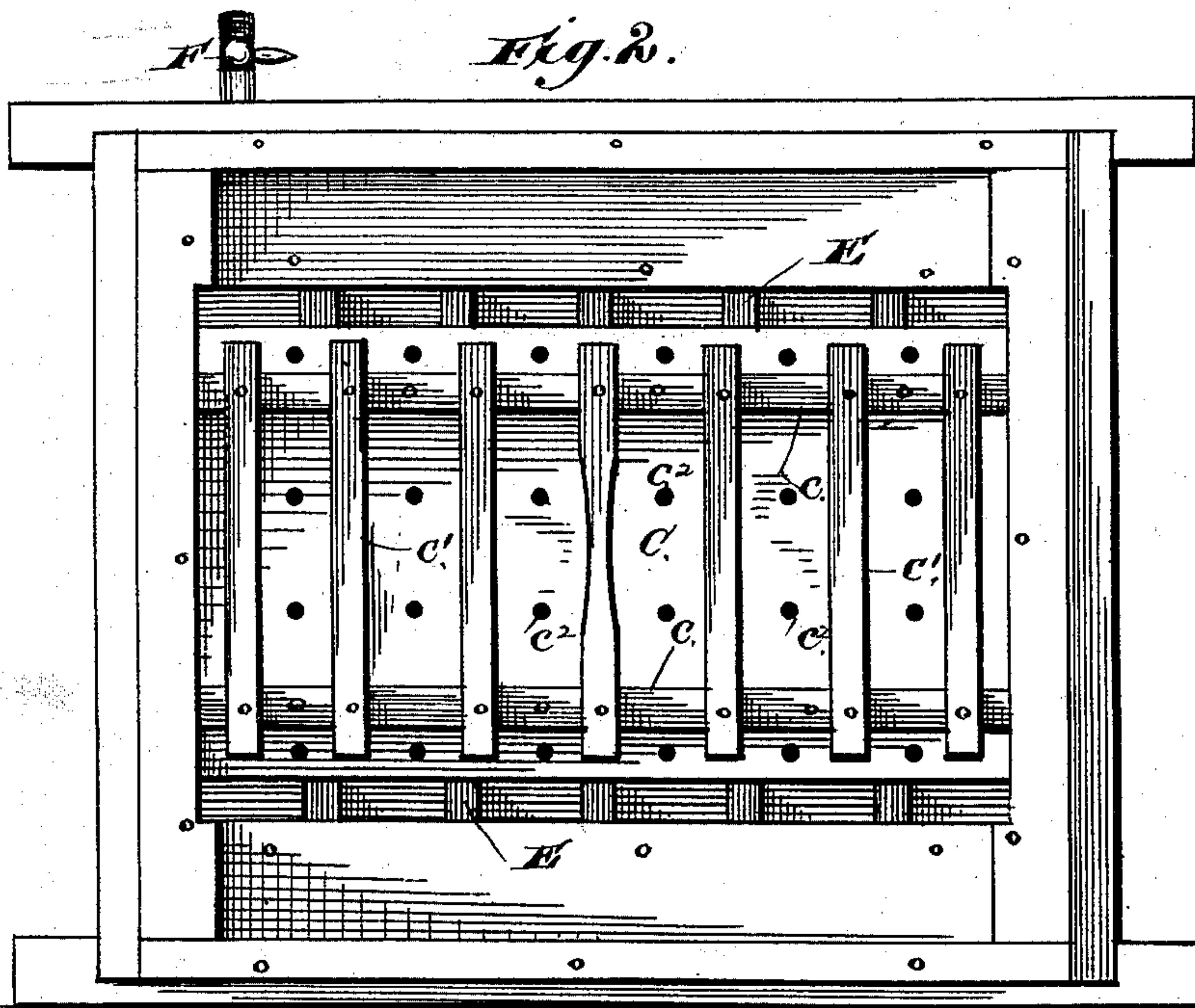


Fig. 2.



Witnesses:
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Inventor:
William C. Goode
By Robt. A. Vance Atty

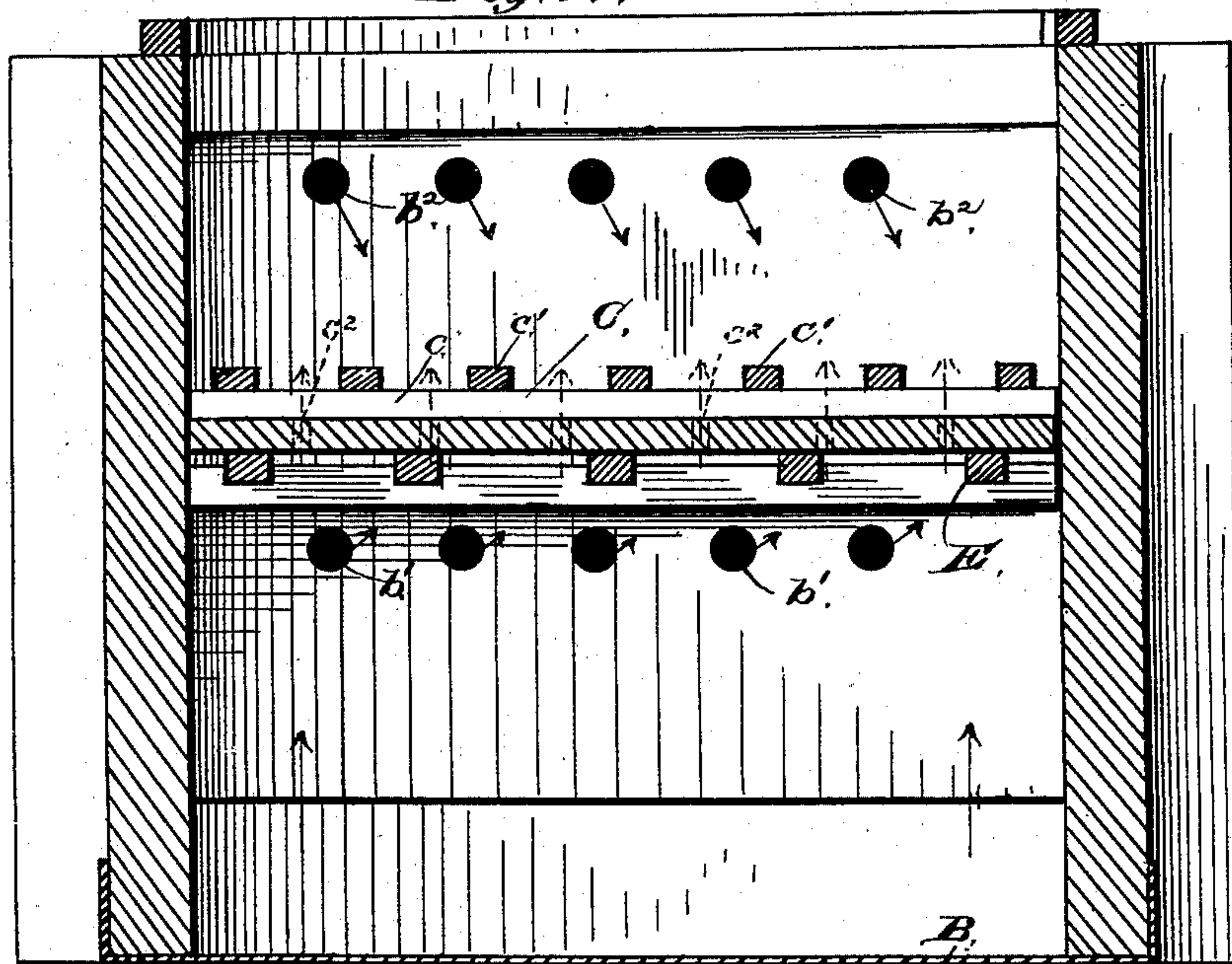
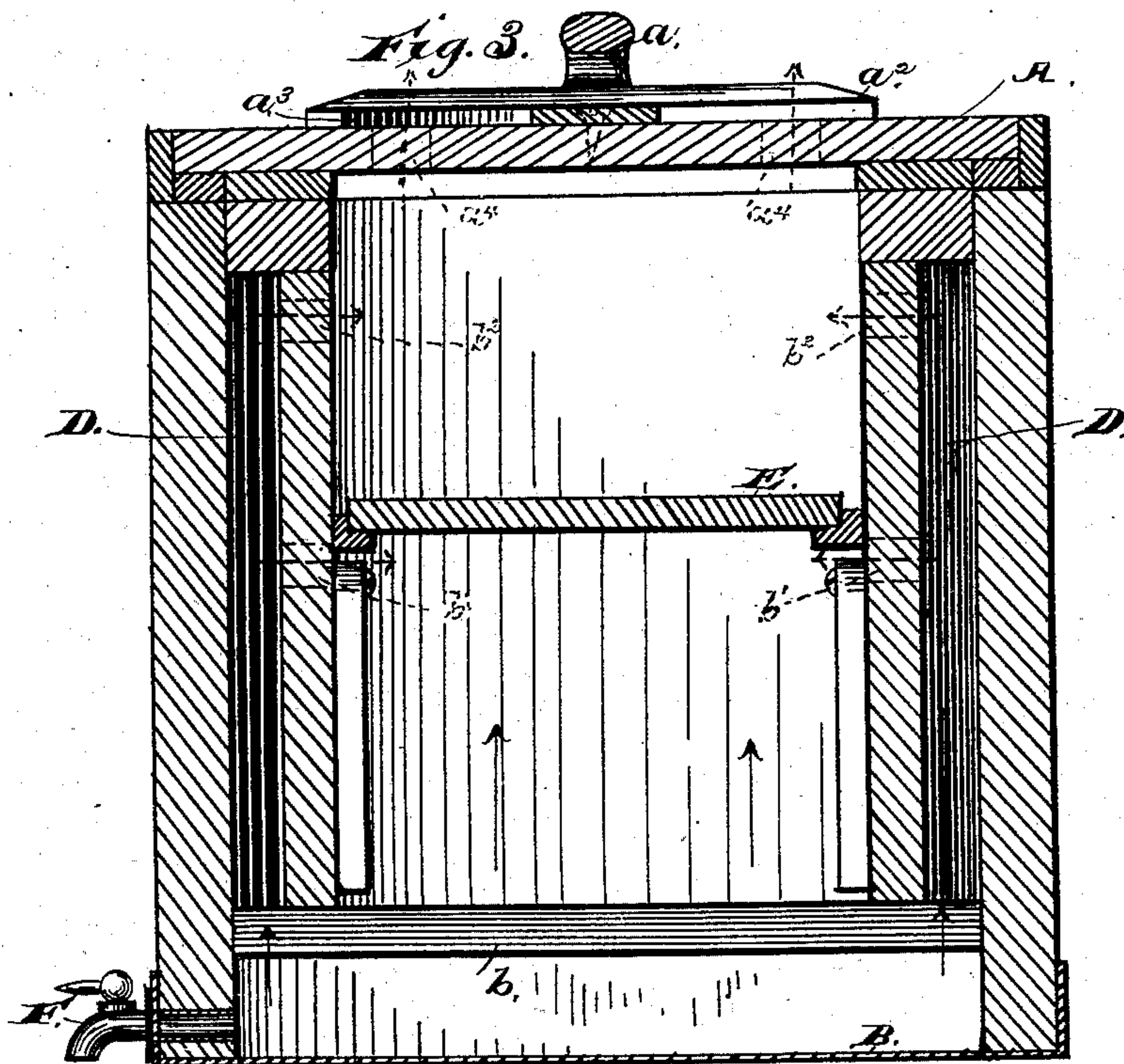
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2 Sheets—Sheet 2.

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WASHING MACHINE.

No. 282,514.

Patented Aug. 7, 1883.



Witnesses:
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J. L. Huntmann

Inventor.
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UNITED STATES PATENT OFFICE.

WILLIAM C. GOODE, OF KING'S MOUNTAIN, NORTH CAROLINA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 282,514, dated August 7, 1883.

Application filed January 10, 1883. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM C. GOODE, a citizen of the United States, residing at King's Mountain, in the county of Cleveland and State of North Carolina, have invented a new and useful Improvement in Washing-Machines, of which the following is a specification.

My invention relates to that class of machines which are used for cleansing and renovating soiled clothes by the application of steam; and it consists of certain details of construction, which will be fully hereinafter described, and illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of the lid or cover. Fig. 2 is a plan of the bottom or body of the machine. Fig. 3 is a transverse central section with the lid or cover in place; and Fig. 4 is a longitudinal central section with the cover removed.

Like letters refer to corresponding parts in the several figures.

The complete machine consists, essentially, of two parts, viz: the lid or cover A and the bottom or body B. The body B is a rectangular or other suitably formed box provided with a metallic bottom and with the sides and ends thereof of wood, although all the parts might be constructed of some non-corrosive metal.

In the lower portion of the body B is formed a water and steam chamber, and the sides are made double, thus providing side chambers, D D, which communicate with the bottom chamber. The side chambers are formed by means of inner linings, which are supported on brackets or cleats secured to the ends of the body, as clearly shown in Fig. 3. The linings are provided with longitudinal rows of ports or apertures b' b^2 , for a purpose which will be hereinafter explained. The side steam-chambers are open at the bottom and closed on top, and the body of the machine is provided on top with a rabbet or ledge to receive the lid or cover. It is also provided with a stop-cock or faucet, F, at or near the bottom to draw off the water.

The cover A is constructed with suitable depending flanges on all of its sides to fit the top of the body or bottom, and one or both of the parts may be packed, if desired, to prevent

the escape of the steam. The cover A has cleats a^2 a^2 , to which the handle a is secured. It also has ports or vents a^4 a^4 for the escape of steam when desired, and these ports are opened or closed by means of a diagonal bar, a' , pivoted to the center of the lid or cover, as shown in full and dotted lines in Fig. 1.

At or near the vertical center of the body B, I provide a false bottom, C, which rests upon bars or cleats fastened to the longer sides of the body or bottom and transverse bars E, fitted thereto.

The false bottom consists of a perforated bed-piece, the perforations or ports being shown at c^2 , Fig. 2, longitudinal c near the edges of the bed-piece, and cross-bars c' , secured to the side bars. The object of this construction is to prevent the clothes which are to be cleansed from lying too compactly, and the holes or apertures c^2 readily allow the steam to pass up from the bottom chamber, as shown by the arrows in Fig. 4. By removing the cover the false bottom is easily removed to clean it, or for the purpose of filling the machine with water, if desired. When the false bottom is in position one row of the steam-ports or apertures b' in each side is below, and the other row, b^2 , on each side is above the false bottom, so that the steam from the side chambers, D D, will pass through both the lower and upper rows of ports, as shown by the arrows in Fig. 4, while the steam from the bottom chamber will pass upward through the ports or apertures c^2 in the false bottom. Two short bars are pivoted underneath the longitudinal bars, which support the false bottom.

In use the soiled clothes are laid upon the false bottom over the water previously poured into the machine. The machine is placed upon a suitable furnace or stove, and the steam, when generated, passes under and over the clothes through the side ports and upward through the false bottom, as clearly explained. If it should be found that too much steam is generated, it may be readily allowed to escape through the ports or vents a^4 in the lid by simply revolving the diagonal bar a' . The dirty water is drawn off by means of the stop-cock or faucet F without removing the machine.

If it should be desired to make a more extended use of the machine, as in large laundries, steam might be admitted with the cham-

bers from a separate boiler through a stop-cock in the bottom.

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

1. A wash-boiler or steamer consisting of a receptacle having side steam-chambers, a perforated removable bottom located a short distance above the bottom of said receptacle and forming a water-reservoir and steam-chamber, a removable tray located at or near the center of the receptacle, the interior walls of the side steam-chambers being provided with one series of ports immediately below the upper removable tray, and a second series of ports at or near the upper part of the said side steam-chambers, and a cover, substantially as set forth.

2. A wash-boiler or steamer consisting of a

receptacle having side steam-chambers, a perforated removable bottom located a short distance above the bottom of said receptacle and forming a water-reservoir and steam-chamber, a removable tray located at or near the center of the receptacle, the interior walls of the side chambers being provided with one series of ports immediately below the upper removable tray, and a second series of ports at or near the upper part of the said side steam-chambers, a cover provided with apertures adapted to be opened or closed for the escape or retention of steam, and a suitable stop-cock near the bottom of the receptacle, substantially as set forth.

WILLIAM C. GOODE.

In presence of—

W. I. STOWE,

B. R. WILLEFORD.