

F. H. BIESECKER.
Boiler Washing Machines.

No. 151,533.

Patented June 2, 1874.

Fig. 1.

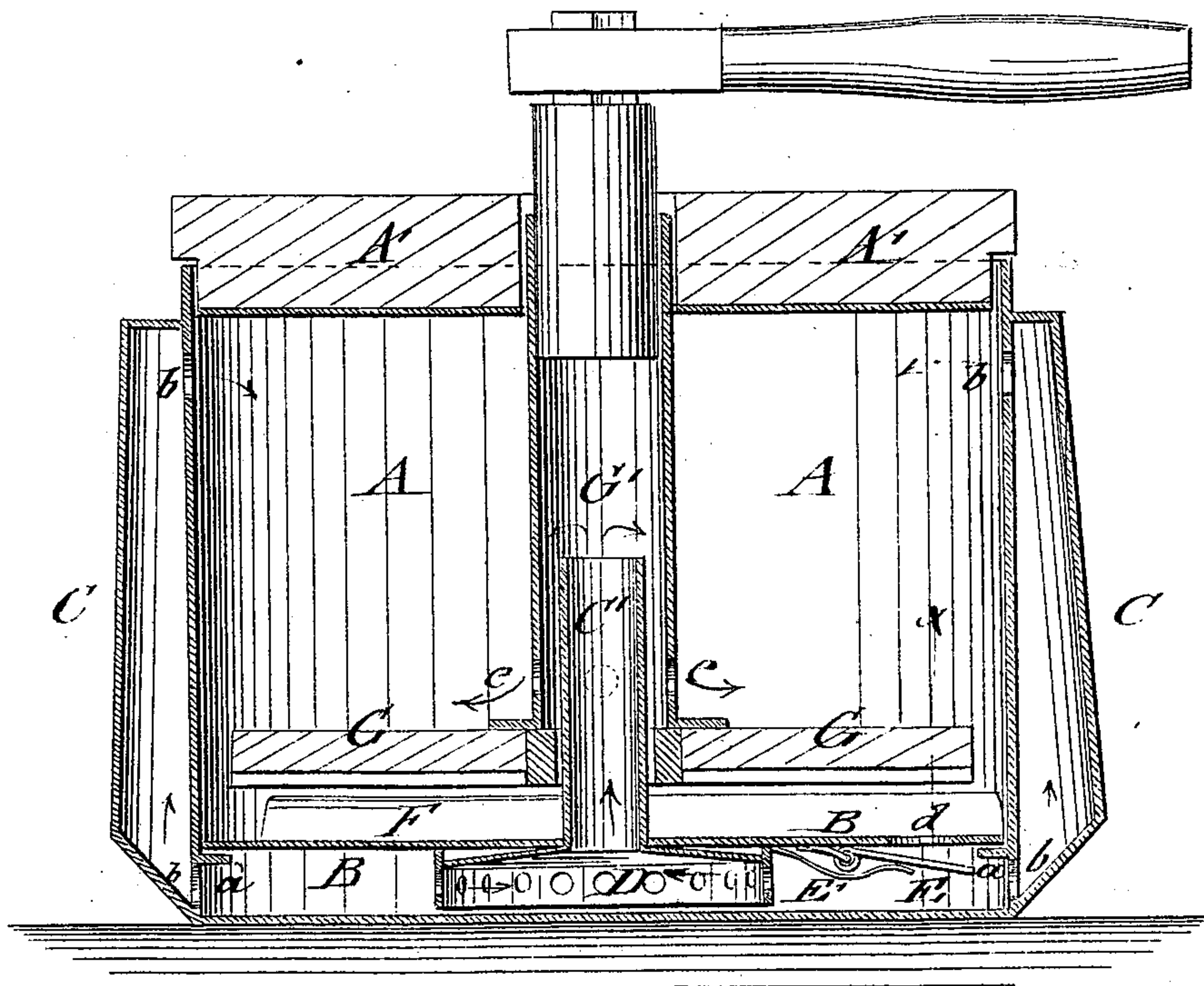


Fig. 2.

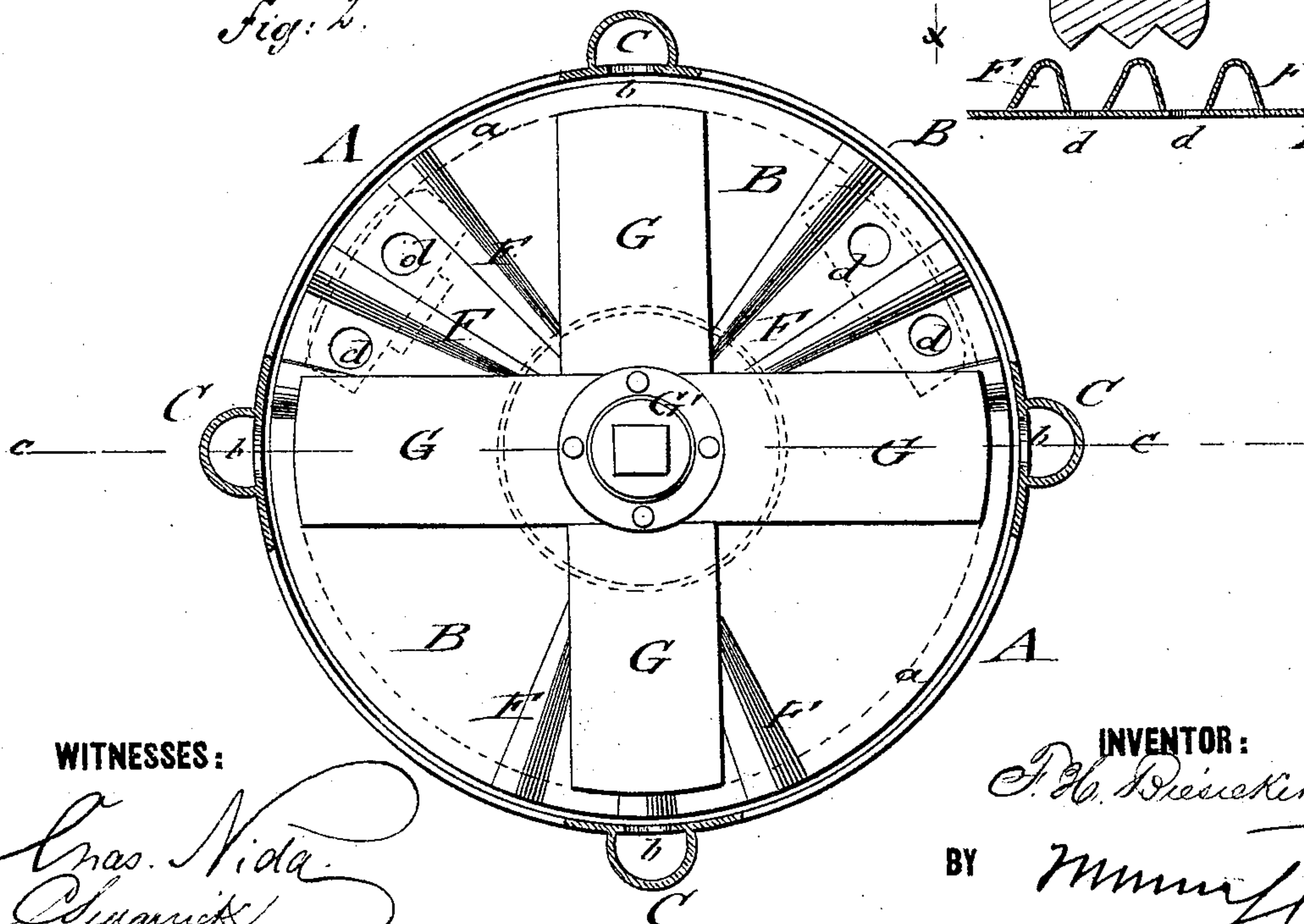
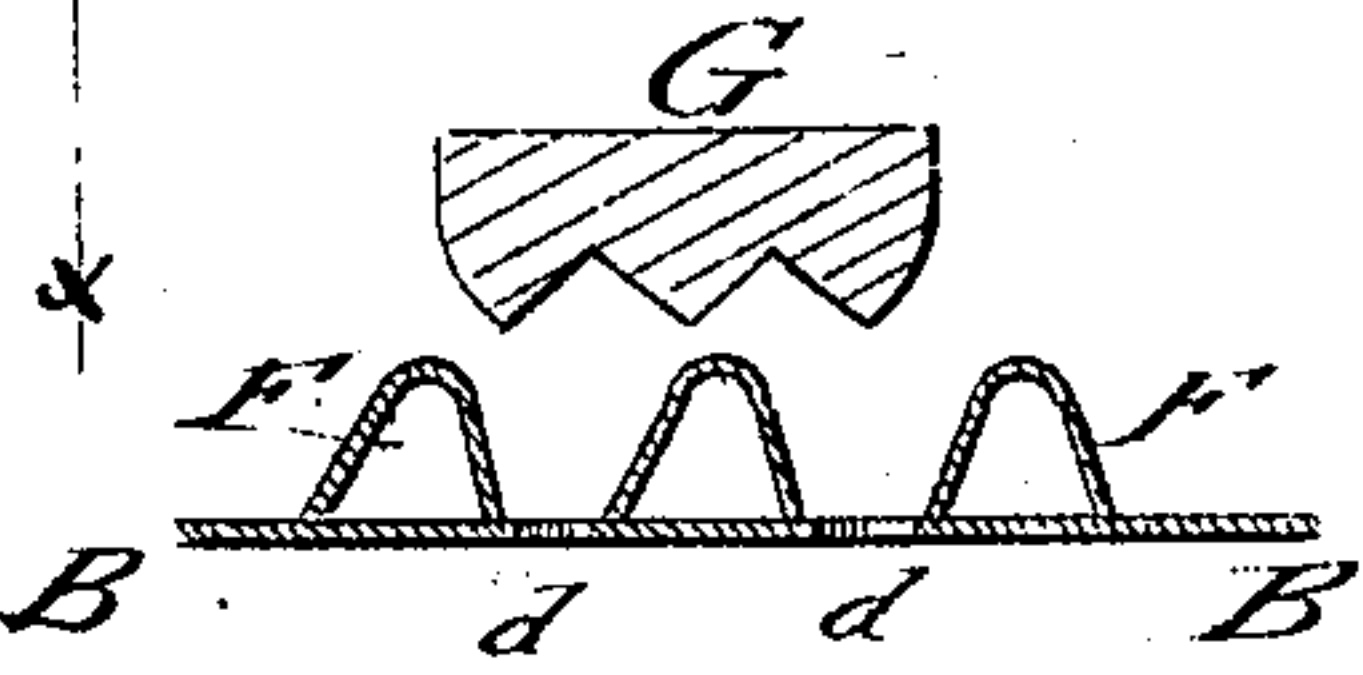


Fig. 3.



WITNESSES:

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FRANKLIN H. BIESECKER, OF CASHTOWN, PENNSYLVANIA.

IMPROVEMENT IN BOILER WASHING-MACHINES.

Specification forming part of Letters Patent No. **151,533**, dated June 2, 1874; application filed March 21, 1874.

To all whom it may concern:

Be it known that I, FRANKLIN H. BIESECKER, of Cashtown, in the county of Adams and State of Pennsylvania, have invented a new and Improved Combined Boiler and Washer, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical central section of my combination boiler and washer, on the line *c c*, Fig. 2; Fig. 2, a top view of the same with lid detached; and Fig. 3, a detail vertical transverse section of false bottom and rubber-block, taken on the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The invention will first be fully described, and then pointed out in the claims.

In the drawing, A represents a wash-boiler, of cylindrical shape and suitable material, which carries on a projecting flange, *a*, near the bottom a second false bottom, B, fitting closely thereon. Boiler A is provided below the false bottom B, and also near the top, with perforations *b*, which are connected by hot-water channels or passages C, tapering from the bottom toward the top, for the purpose of discharging the hot water forced up by the generation of steam in the lower part of the boiler with considerable force onto the clothes in the upper part. The false bottom B has also a central tube or hot-water passage, C', of suitable height, through which the water is discharged in connection with cylindrical cap D, attached to the under side of false bottom B, and extending to the real bottom of the boiler. Cap D is perforated at the side for admitting freely the water, and forming thereby a kind of secondary chamber, for developing steam and forcing up the boiling water. The false bottom B is furthermore provided with apertures *d*, which are closed by correspondingly-arranged valves E, hinged to the lower side, and supported, when open, by suitable lugs or holders E'. Radial ridges F, of zinc or other suitable material, extend between the apertures *d* on the upper side of

bottom B, and serve for the double purpose of giving friction to the clothes and for preventing them from closing the apertures *d*, and interrupting thereby the circulation of the water through the boiler. The rubber-block G is placed, by its central hollow shaft G', over the central hot-water tube C', the upper solid end of shaft G' fitting closely into the lid or cover A' of boiler A. Rubber-block G is rotated by a lever-handle or other suitable mechanism, keeping thereby the clothes in continual motion, and constantly exposed to the action of the boiling water. Block G is made of radial arms, and cleans the clothes by the friction caused by its grooved surface and the ribs of the false bottom. The lower part of hollow shaft G' has also holes *e*, through which the hot water issues, in connection with the central tube C', when the rubber-block G is placed over the same.

The apparatus may also be used advantageously as wash-boiler without the rubber-block, a suitable perforated cap-piece being then placed on the upper end of tube C'.

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

1. As an improvement in wash-boilers, the combination of boiler A, having tapering hot-water passages C, with false bottom B, provided with perforations *d*, hinged valves E, perforated bottom cap D, and connecting central hot-water passage C', for the purposes of discharging the boiling water on the clothes from the sides and the center of the boiler, as set forth.

2. The central hot-water passage C', in combination with hollow shaft G', having apertures *e* for the discharge of the water, when the boiler is used with the rotating rubber-block, as described.

FRANKLIN H. BIESECKER.

Witnesses:

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WM. BIESECKER.