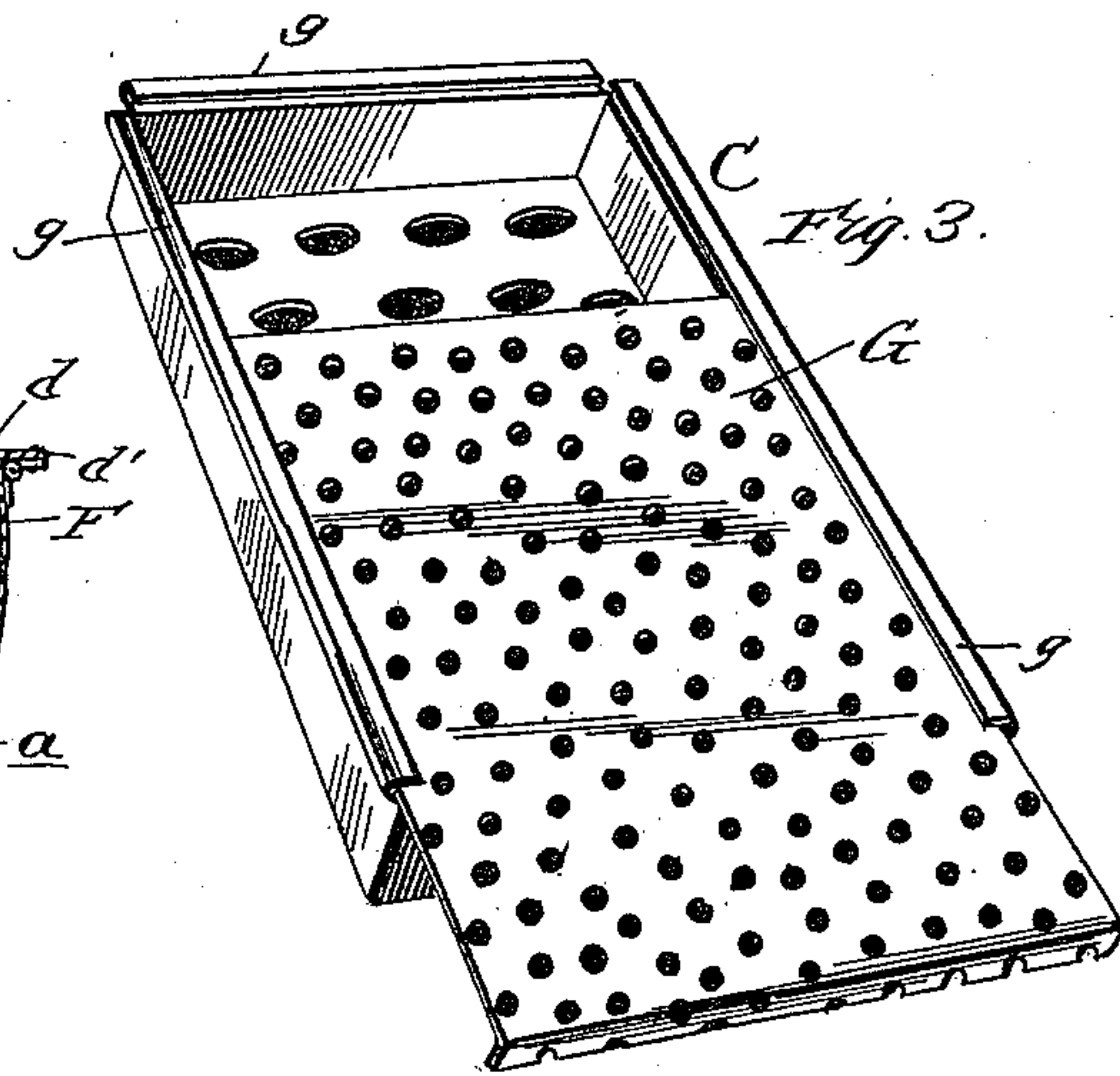
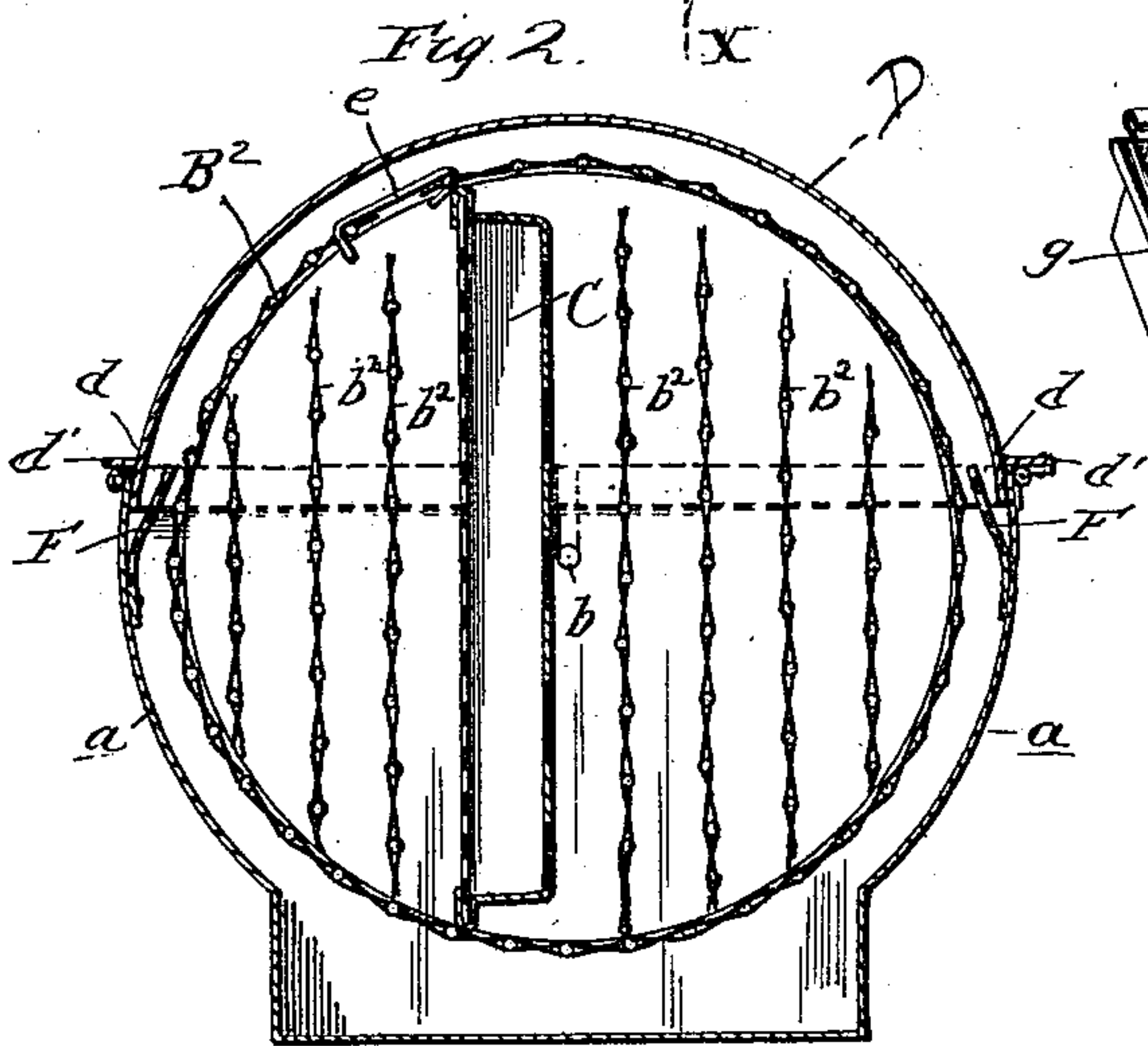
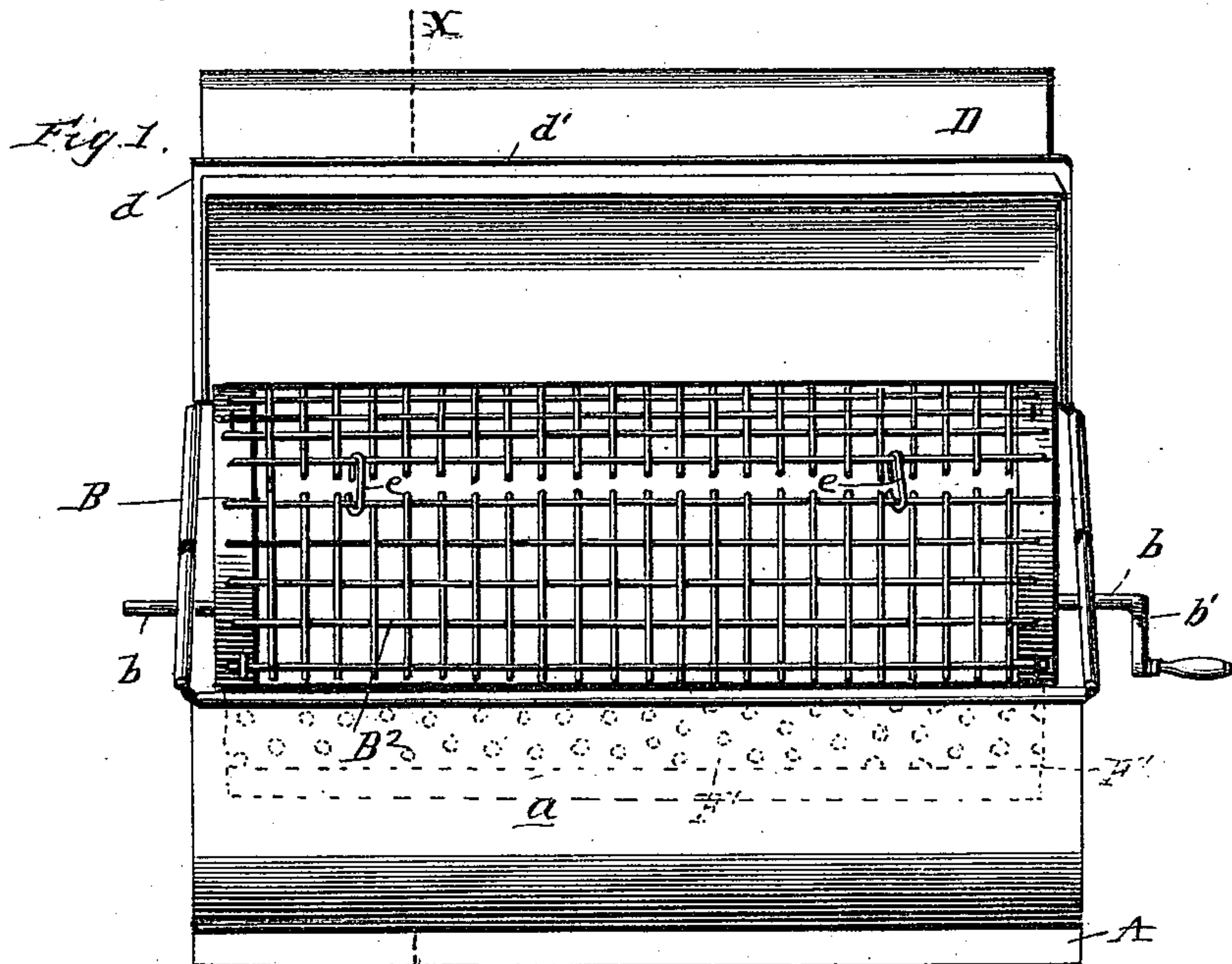


(No Model.)

H. E. DAVIS.
DISH WASHER.

No. 438,533.

Patented Oct. 14, 1890.



Witnesses
C. Raeder
Van Buren Hillyard.

Inventor
Harriet Ellen Davis.

By her Attorneys
R. & T. Lacey

UNITED STATES PATENT OFFICE.

HARRIET ELLEN DAVIS, OF TOPEKA, KANSAS.

DISH-WASHER.

SPECIFICATION forming part of Letters Patent No. 438,533, dated October 14, 1890.

Application filed September 16, 1889. Serial No. 324,074. (No model.)

To all whom it may concern:

Be it known that I, HARRIET ELLEN DAVIS, a citizen of the United States, residing at Topeka, in the county of Shawnee and State of Kansas, have invented certain new and useful Improvements in Dish-Washers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to dish-washers, and aims to provide a simple and compact device that will perform its work in a rapid and efficient manner.

The improvement consists of the novel features which will be hereinafter more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a front elevation, in perspective, the cover being thrown back. Fig. 2 is a cross-section of the device on the line X X, of Fig. 1. Fig. 3 is a perspective view of the knife, fork, and spoon-box.

The suds-box or hot-water tank A is provided with a flat bottom to allow it to sit on the stove for the purpose of keeping the water hot, and its sides flare or curve outwardly at *a* to accommodate the foraminous cylinder B. The half D of the tank or suds-box A is curved symmetrically with the curved portion *a*, and is by preference hinged at one edge. The lower edge *d* of the cover is adapted to enter the suds-box, and is provided with a horizontal flange *d'* to rest upon the edge of the suds-box and support the cover. The perforated splasher plates or strips F, placed along the edge of the suds-box just below the line of separation of the cover and box, prevent the water splashing out when rotating the cylinder. The lower edge of the cover comes between the strips or plates F and the edge of the suds-box, as most clearly shown in Fig. 2.

The cylinder B is provided with journals *b* at its end, which are inserted in slots in the ends of the suds-box and support the said cylinder. One of the journals is extended and

bent to form the crank *b'*, by which the cylinder is rotated. The door *B²* is hinged at one edge and is held at its other edge by the hooks *e*. The perforated or wire partitions *b²* are of graduated sizes to fit different positions of the cylinder. The knife, fork, and spoon box C is perforated, and is provided with a perforated sliding cover G, which slides in ways formed by the folded edges *g* of the box C, the edges *g* being bent out at right angles and folded back on themselves, substantially as shown.

The suds-water is placed in the tank A, and the cylinder is filled with dishes in the following manner: A layer of dishes is placed in the cylinder, then a partition, and then another layer of dishes and another partition, until the cylinder is filled. The knives, forks, and spoons, if any, are placed in the box C, and it is placed in the cylinder also. The cylinder being full is placed inside the suds box or tank, its journals resting in the bottom of the slots in the ends of the suds-box. The cover D is closed and the cylinder turned by means of the crank *B'*. The splashing and circulation of the water through the partition soon effects a thorough cleansing of the dishes. Inasmuch as the water is hotter than can be borne by the hand in the ordinary process of dishwashing, no drying is necessary, as the dishes dry themselves by the rapid evaporation of the water, as will be readily comprehended.

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

1. The hereinbefore-described dish-washer, composed of the suds-box, the perforated cylinder journaled at its ends in the said suds-box, and the loose partitions of graduated sizes placed within the said cylinder to space the dishes and hold them from movement, substantially as described.

2. The hereinbefore-specified dish-washer, comprising the suds-box having flat bottom and curved sides, and having the cover symmetrically curved and provided with an outer flange *d'*, the perforated splasher-plates F, secured to the suds-box at their lower ends and embracing the lower edge of the cover between its sides and the sides of the suds-box,

the perforated cylinder journaled at its ends in the suds-box, and the loose partitions of graduated sizes placed within the said cylinder to space the dishes and hold them from
5 movement, one of the said partitions being a box to receive the cutlery, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

HARRIET ELLEN DAVIS.

Witnesses:

J. N. MOODY,
S. J. HERREN.