

JOHN T. MAXSON.

Improvement in Wash Boilers.

No. 124,603.

Patented March 12, 1872.

Fig: 1

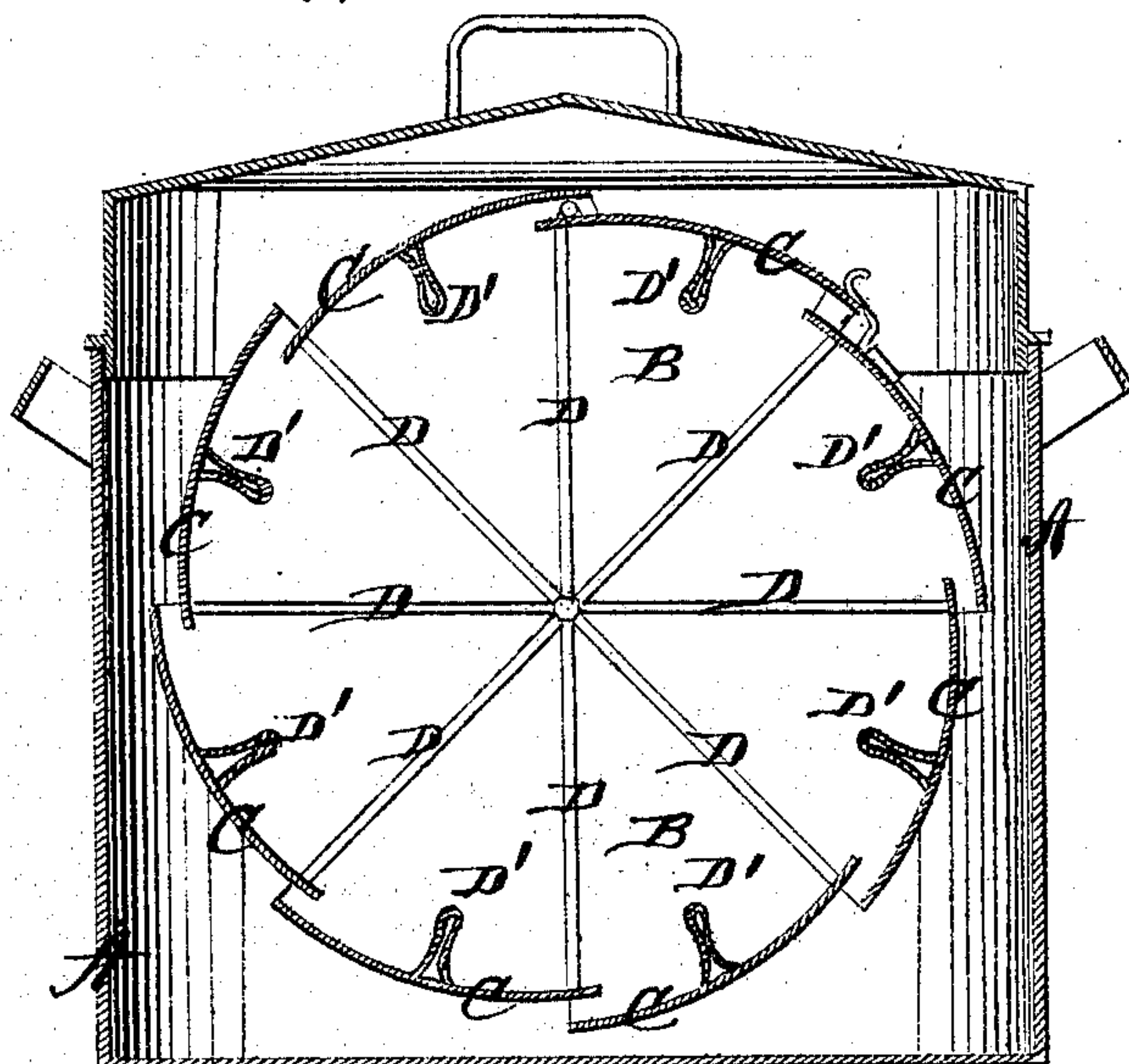
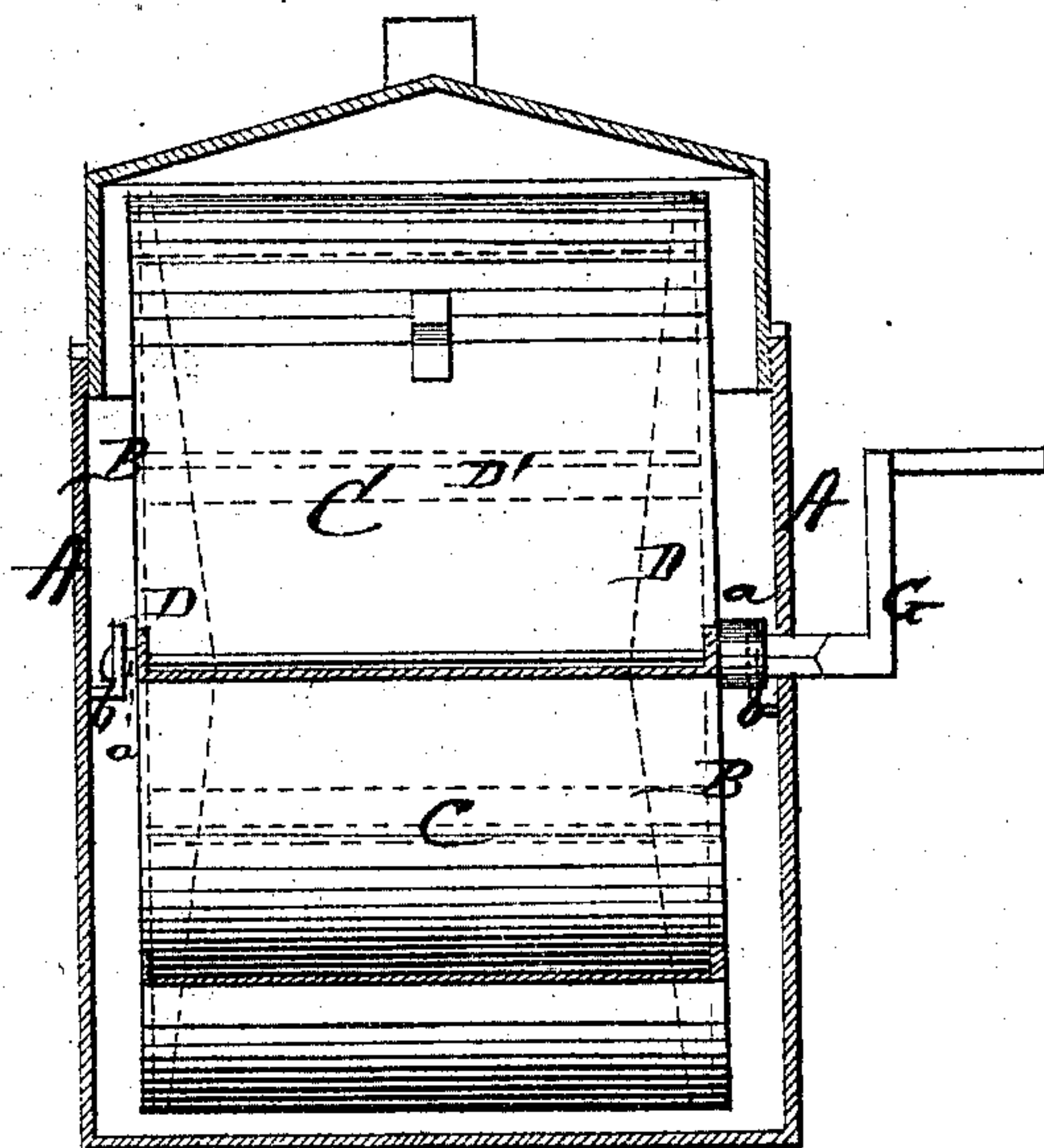


Fig: 2



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN T. MAXSON, OF DE WITT, IOWA.

IMPROVEMENT IN WASH-BOILERS.

Specification forming part of Letters Patent No. 124,603, dated March 12, 1872.

To all whom it may concern:

Be it known that I, JOHN T. MAXSON, of De Witt, in the county of Clinton and in the State of Iowa, have invented certain new and useful Improvements in Wash-Boilers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a "wash-boiler," as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a longitudinal vertical section of my wash-boiler, and Fig. 2 is a transverse vertical section of the boiler, showing a side view of the cylinder within the same.

A represents a boiler of any suitable size and shape, within which is placed a revolving cylinder constructed in the following manner. The circumference of the two heads B B is cut, as shown in Fig. 1, in the shape of long and curved teeth, to which are secured the plates or sections C C, connecting the heads together, and thus forming the cylinder. It will be noticed that, from the shape of the edges of the heads B B, there are spaces or openings left between the sections C C for the purpose of letting the suds pass out of and into the cylinder. Upon the inner side of each head B

is placed a series of ribs, D D, radiating from the center, which ribs are wider at the center of the head than at the periphery, and on the inner sides of the sections are other ribs, D' D', extending from head to head. All these ribs D and D' are made concave on both sides, as shown in Fig. 1. In the center, on the outside of the heads B B, are journals *a a*, resting upon bearings *b b* in the sides of the boiler. One of these journals is hollow for the insertion of a crank, G, by means of which the cylinder is revolved. One of the sections C of the cylinder is hinged, forming a door to the same, through which the clothes are put in and taken out.

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

1. A cylinder for washing-machines, composed of the heads B B, sections C C, and concave ribs D D and D' D', all constructed and arranged substantially as and for the purposes herein set forth.

2. In combination with a wash-boiler, A, I claim the heads B B, sections C C, ribs D D', journals *a a*, bearings *b b*, and crank G, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of April, 1871.

JOHN T. MAXSON.

Witnesses:

WM. H. H. HART,
PITKIN C. WRIGHT.

500 wms