

W. H. Welch,
Washing Machine.

No. 106,296.

Patented Aug. 9. 1870.

Fig 1.

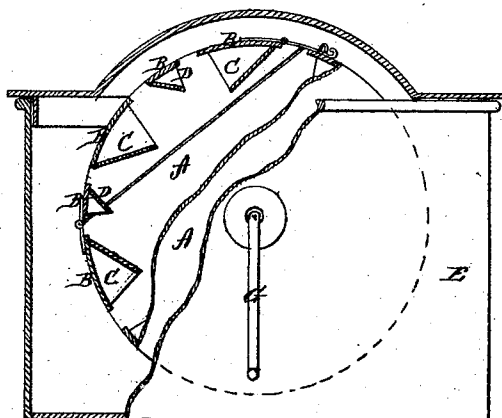
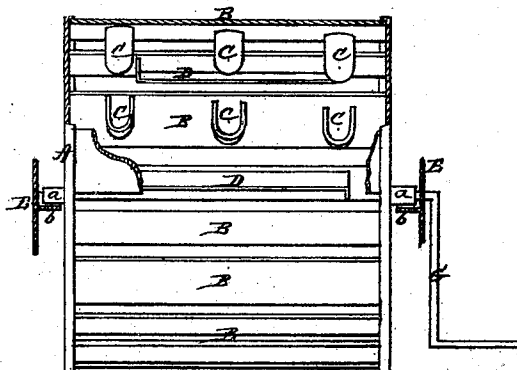


Fig 2.



Witnesses.

Harry King
C. L. Everb.

Inventor.

William H. Welch
per *Alexander Thomson*
att'y

United States Patent Office.

WILLIAM H. WELCH, OF BLOOMINGTON, ILLINOIS.

Letters Patent No. 106,296, dated August 9, 1870.

IMPROVEMENT IN WASHING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, WILLIAM H. WELCH, of Bloomington, in the county of McLean and in the State of Illinois, have invented certain new and useful Improvements in Rotary Washing-Machines; 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 "rotary washing-machine," as will be hereinafter 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 side elevation, part in section, of the entire machine; and

Figure 2 is a plan view, part in section, of the rotating cylinder.

The cylinder of my washing-machine is composed of two heads, connected by means of slats B B, placed a suitable distance apart, around the entire circumference of the heads.

On the inner sides of the slats B B are arranged spouts, C C, and buckets, D D, in the following manner:

On one slat is placed a series of spouts, C C, and on the one on each side thereof is a bucket, D; on the next slat, on each side, is again a series of spouts, C C, and so on around the entire circumference of the cylinder.

The spouts on each slat are not placed on a line, but one in advance of the other, and they are further

so arranged that the spouts on every two slats face each other.

The buckets D D are also placed in such a manner that each set of two face each other.

As the cylinder revolves, the clothes fall on the first spout, then on the second, and so on, of each series, cleaning them very rapidly.

The spouts, as well as the buckets, being arranged in the manner described, carry the water either way the cylinder may be turned.

The heads A A are cut off, as shown, so as to form a lid for the cylinder, which is hinged at one end and fastened in any suitable manner at the other.

In the center of the heads A A are pins or pivots, *a a*, which are placed in bearings, *b b*, formed in the sides of the boiler E, and a crank, G, is passed through the side of said boiler into one of the pivots, *a*, by means of which the cylinder is readily revolved in either direction.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The cylinder A B, provided with spouts C C, and buckets D D, all constructed and arranged substantially in the manner and for the purposes herein set forth.

2. In combination with a wash-boiler, the cylinder A B, spouts C C, buckets D D, pivots *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 15th day of June, 1870.

WILLIAM H. WELCH.

Witnesses:

C. L. EVERT,
WM. BYRNE.