

G. M. Bohlender

Washing Mach.

N^o 93,954.

Patented Aug. 24, 1869.

Fig. 1.

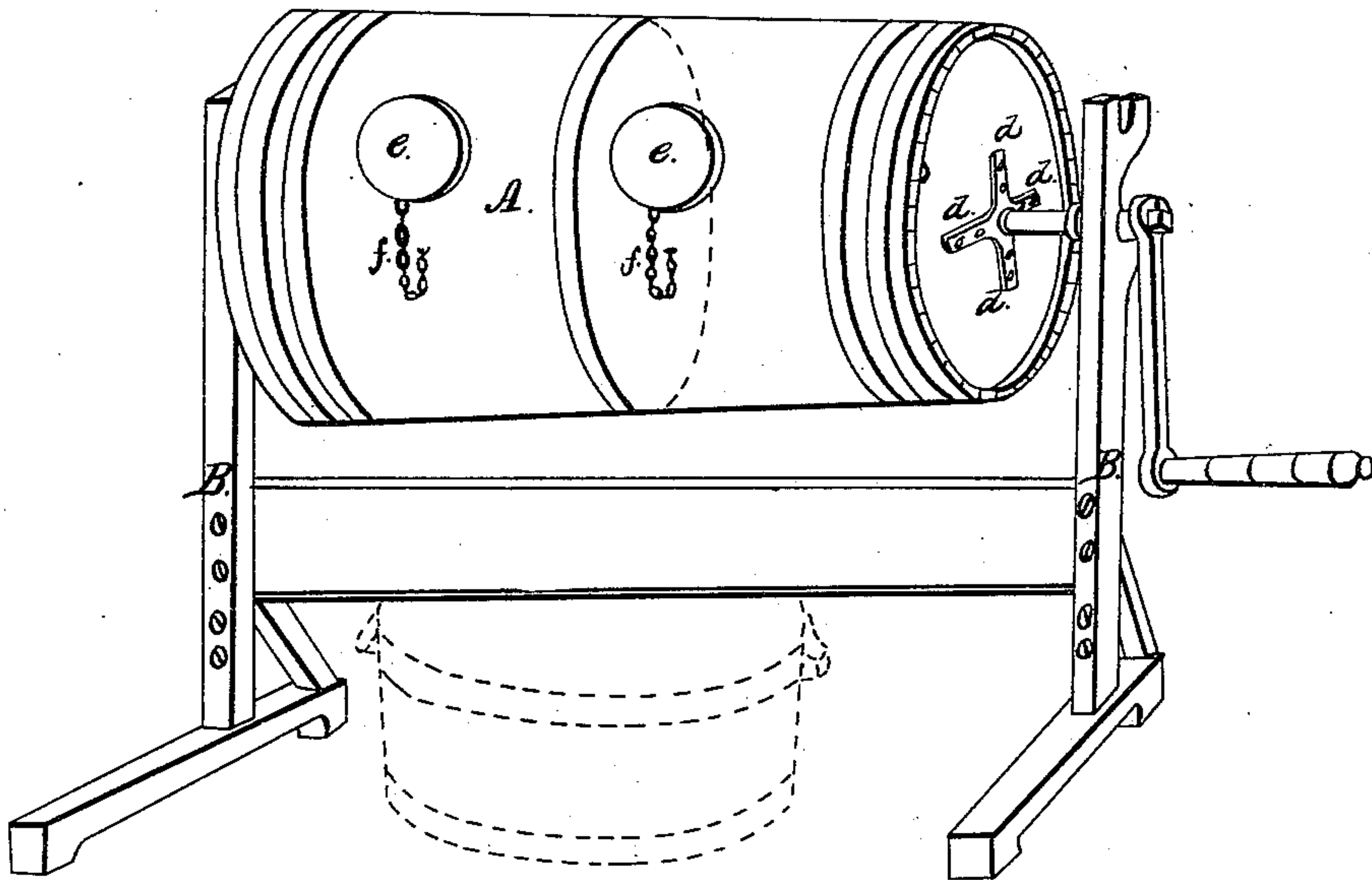


Fig. 2.

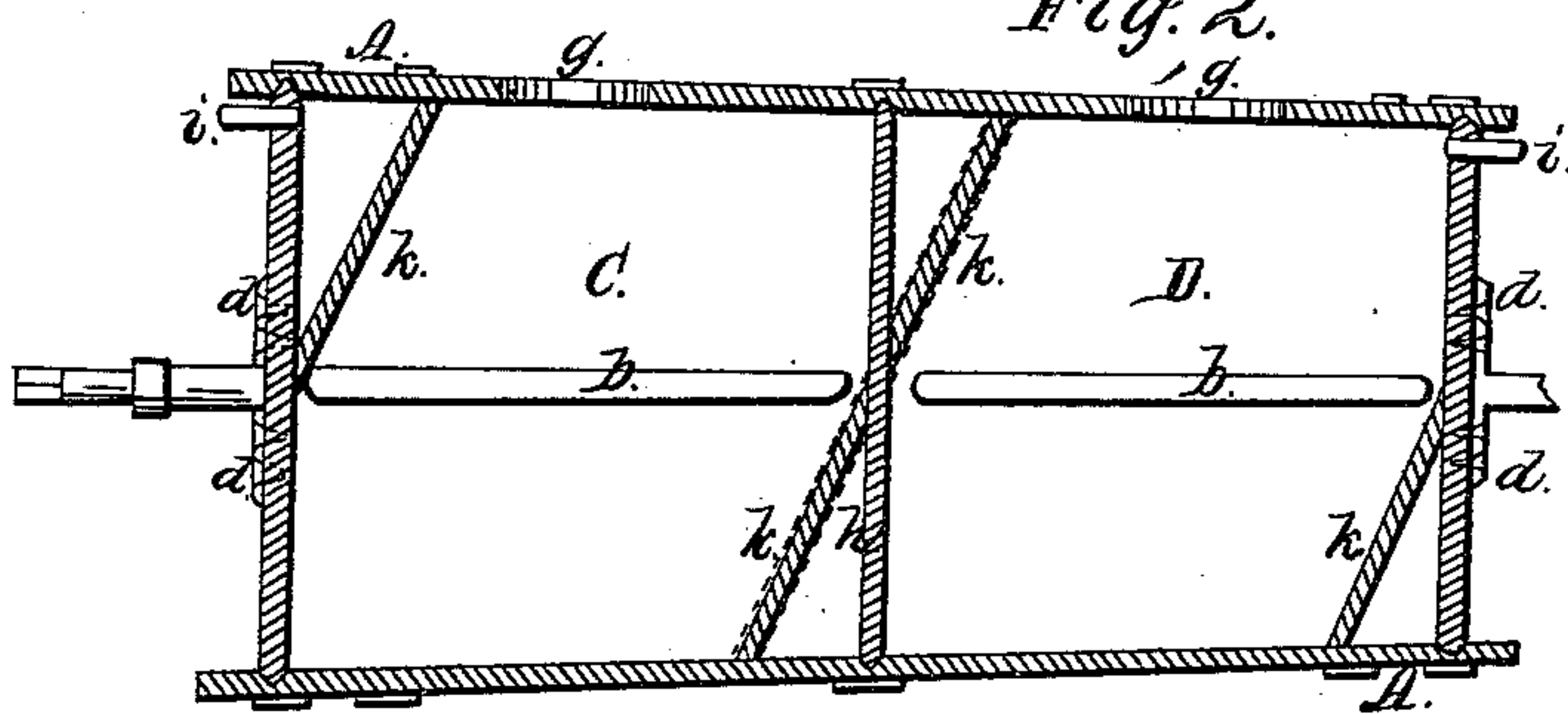
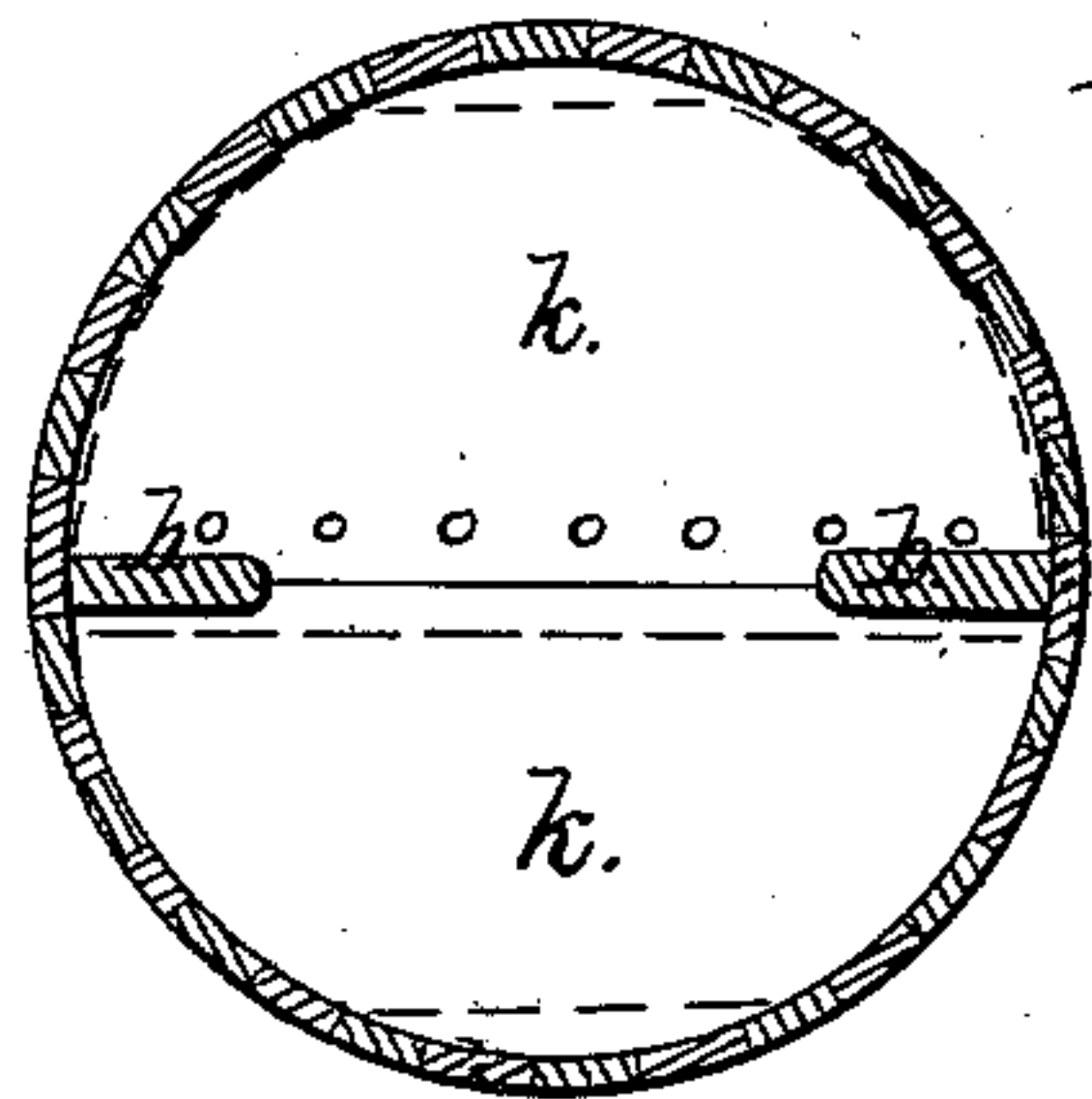


Fig. 3.



Witnesses.

Henry W. Mills
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Inventor.

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GEORGE M. BOHLENDER, OF PEORIA, ILLINOIS.

Letters Patent No. 93,954, dated August 24, 1869.

IMPROVED WASHING-MACHINE.

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, GEORGE M. BOHLENDER, of the city and county of Peoria, and State of Illinois, have invented a new and improved Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is a longitudinal section.

Figure 3 is a cross-section.

Like letters in the figures of the drawings indicate like parts.

My invention consists in the arrangement of inclined partitions or divisions in a cylinder of the shape of a frustum of a cone, or in the arrangement of vertical partitions, with disks or lunettes inclined therefrom on either side of said partitions, so as to give the water and clothes conjointly an oscillating motion, and thus aid materially in the process of cleansing the clothes.

I construct my machine as follows:

A is the cylinder, of a diameter from eighteen inches and upward, and a length of three feet or more, according to requirements of the kind of material used. Each end is closed with a head.

The inside has a vertical partition, *h*, fitted in a groove, and pegged or nailed from the outside of the cylinder, and having the half disks or lunettes *k* inclined from the centre on each side of the partition, the half disks being nailed thereon before partitions are inserted.

If found practicable, the partition itself may be inclined, and the half disks thus dispensed with.

The drawings show only one partition, but there may be more, according to the size of the cylinder, for separate kinds or sorts of clothing, so that each kind may be washed to a better advantage in a separate compartment.

The cylinder has also, on the inside, ledges *b b*, placed

in each compartment, and on each side of the cylinder opposite to one another.

A suitable aperture, *g*, is made in the cylinder to each compartment C D, and stopped with a plug, *e*, connected with a chain, *f*, attached to the cylinder.

An axle, having radial arms *d d* screwed to each head of the cylinder, supports the latter in uprights B B, each carrying two or more open bearings, so that the operator may adjust the cylinder to the proper height for operating it, the axle having a crank on the end of it.

The operation of my machine is as follows:

The water, with a small quantity of soap in solution, and the clothes, are put into the machine, each compartment being allotted to certain kinds of fabric, as may be thought best, thus to carry on the washing of finer and coarser articles at one washing. Flannels may be kept together, for instance, as they require different treatment in washing. The plugs *e* are now inserted, keeping all the steam and water within the machine. The handle is now turned moderately—not too fast, as too rapid a motion causes the soap to coagulate. The ledges *b* draw the clothes through the water, let them fall into it, turn them over and over, continually altering their position, as well as beating them, not rubbing them, as the ledges are merely designed and really act as stirrers or buckets for taking up and throwing water on to the clothes. The inclined divisions *k k* at the same time give the clothes and water an oscillating motion, thus increasing the cleansing-process.

Having thus fully described my invention,

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

The combination of the inclined half disks or lunettes *k k*, upright partitions *h*, and ledges *b b*, with the conical-shaped cylinder A, constructed as described.

GEORGE M. BOHLENDER.

Witnesses:

HENRY W. WELLS,
ED. THURLOW.