

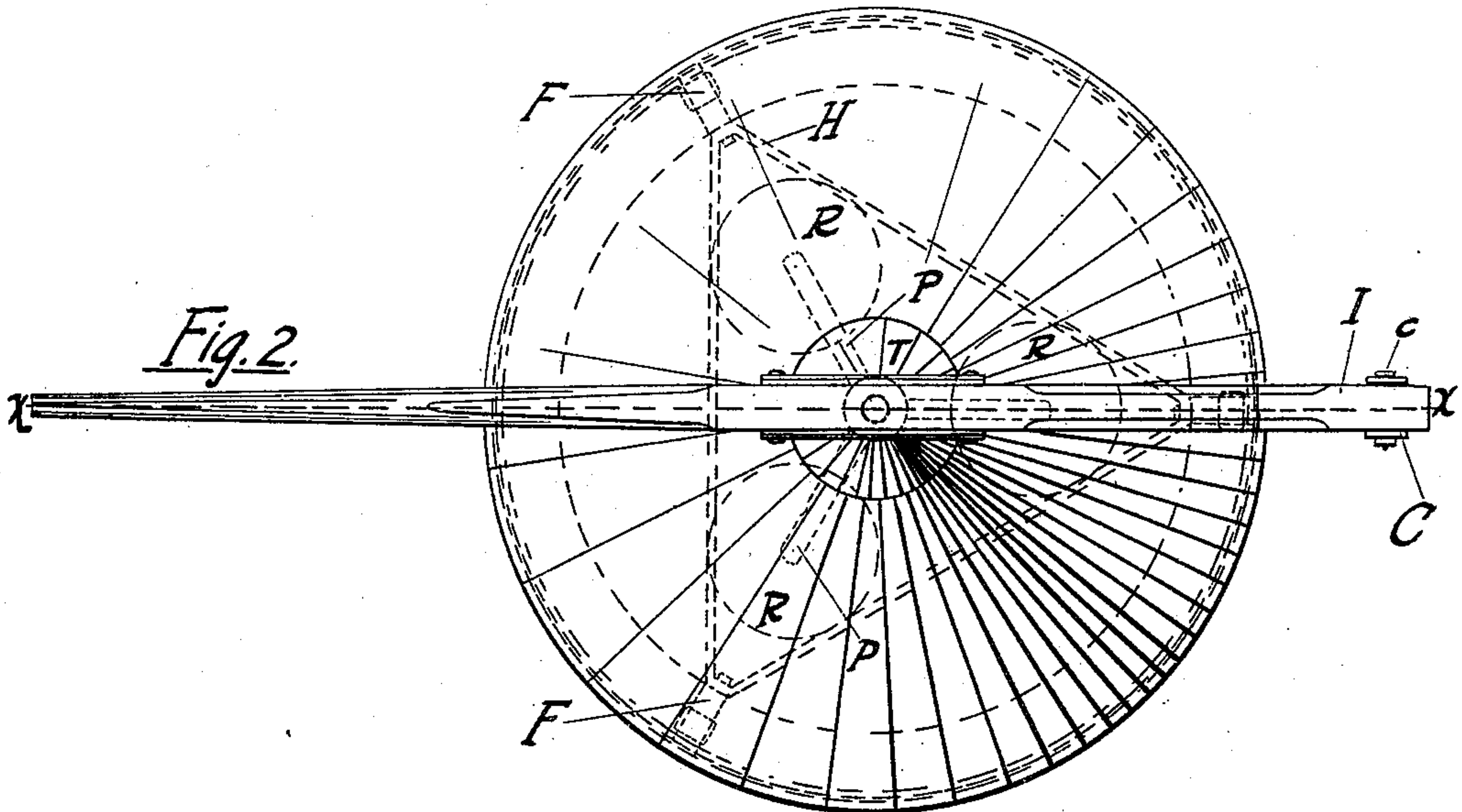
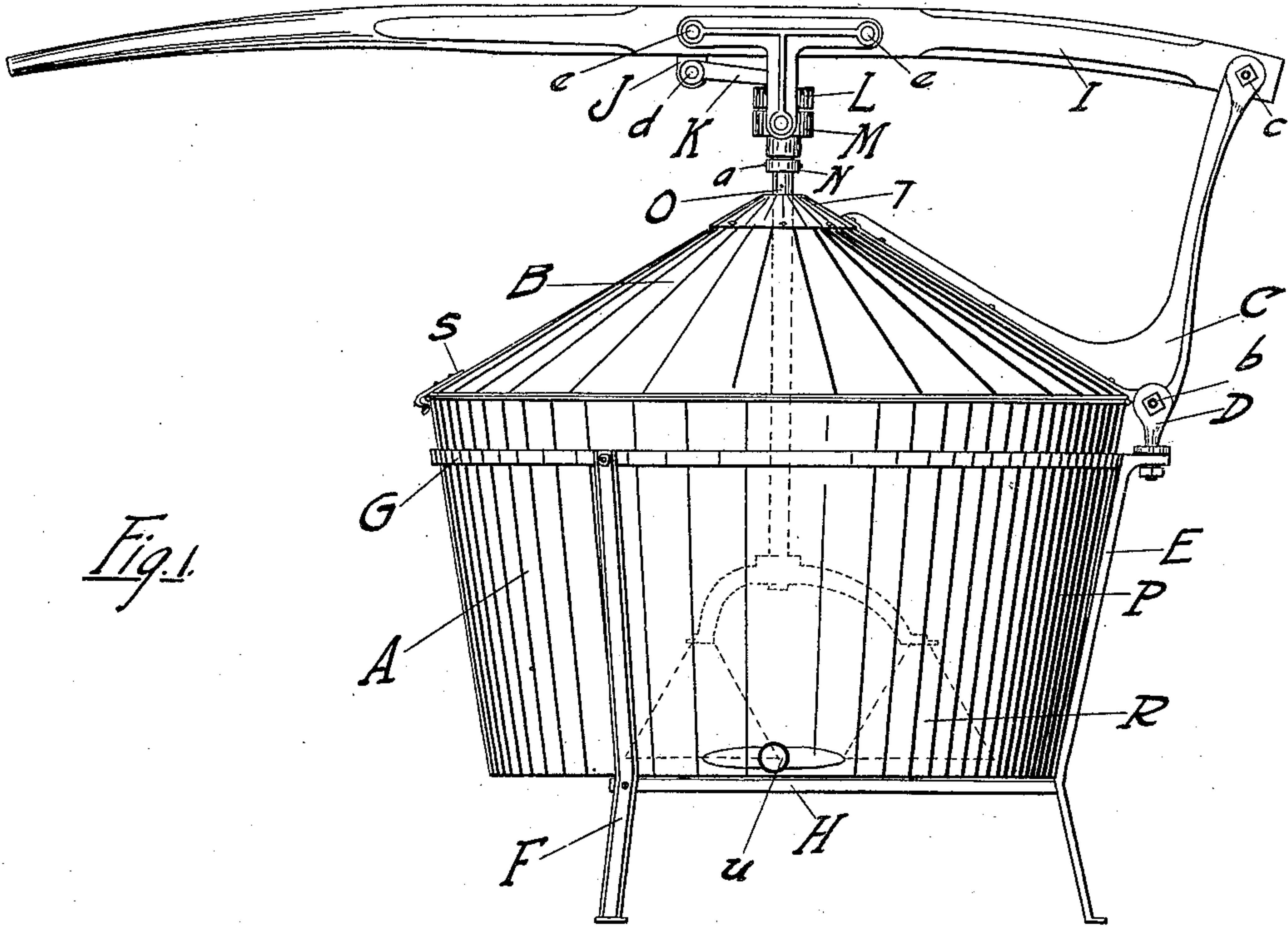
A. H. CUTRIGHT.
WASHING MACHINE.

APPLICATION FILED MAR. 24, 1908.

917,014.

Patented Apr. 6, 1909.

2 SHEETS—SHEET 1.



WITNESSES

Frank H. Hall

Otto Will

Abraham N. Cutright—INVENTOR
by J. M. Thomas his ATTORNEY

A. H. CUTRIGHT.

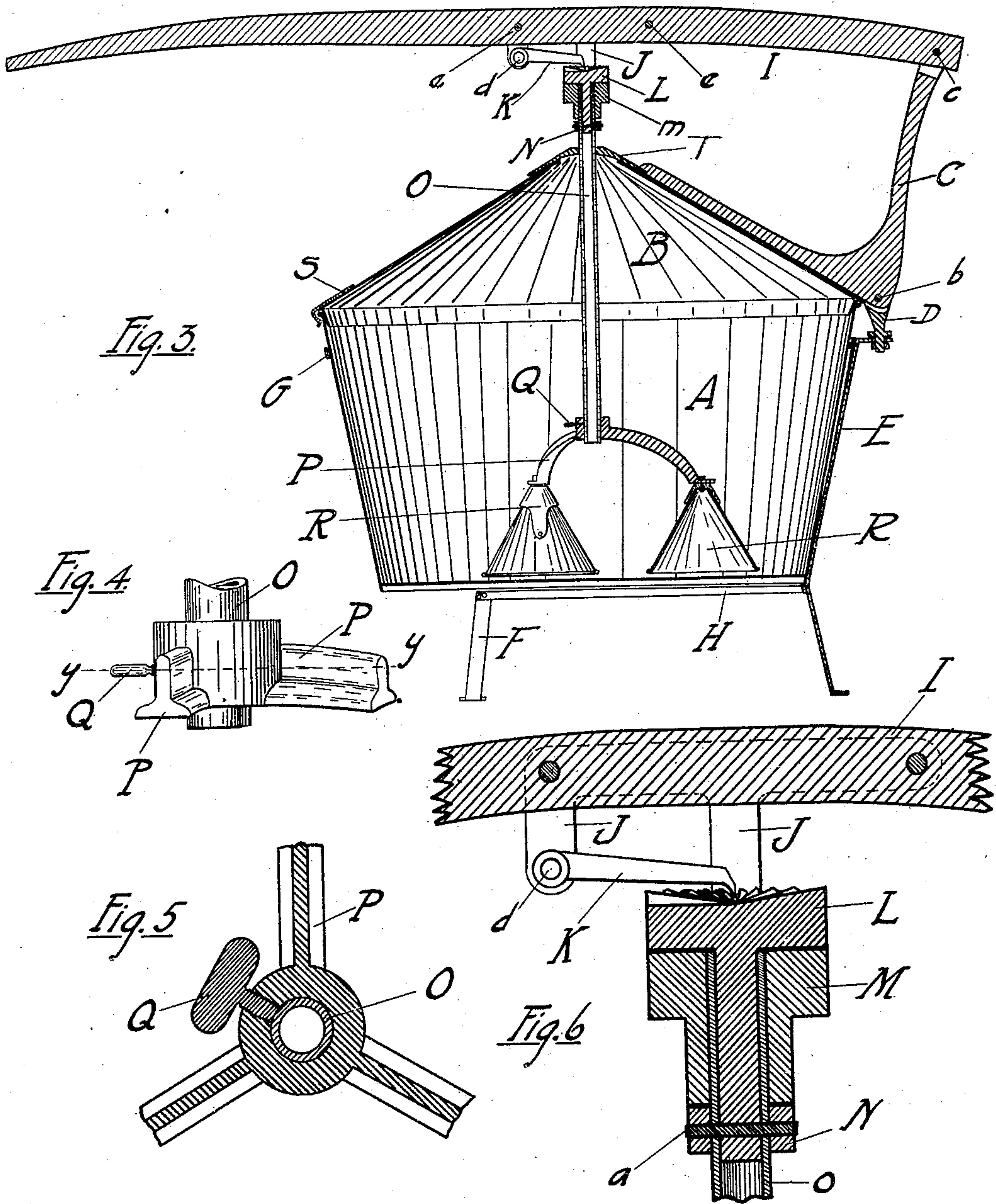
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UNITED STATES PATENT OFFICE.

ABRAHAM H. CUTRIGHT, OF SALT LAKE CITY, UTAH.

WASHING-MACHINE.

No. 917,014.

Specification of Letters Patent.

Patented April 6, 1909.

Application filed March 24, 1908. Serial No. 423,018.

To all whom it may concern:

Be it known that I, ABRAHAM H. CUTRIGHT, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification.

I am aware of the fact, that other machines provide cones similar to mine, and are made, by mechanism, to strike the clothes at different points of impact. And my object is to provide a washing machine of this type, whose cones, or pounders, are moved by simple yet positive mechanism and that can be used for rinsing the clothes in another tub placed near, without loss of time; and to provide a light, strong and serviceable frame, holding the tub, without fastening the frame and tub together by bolts, rivets or other means that will cause it to leak when subjected to constant use. These objects I attain by the machine illustrated in the accompanying drawings, in which similar letters of reference indicate like parts throughout the several figures.

Figure 1, is an elevation showing the inside mechanism dotted in. Fig. 2, is a plan view with parts dotted in. Fig. 3, is a vertical section on line x, x , Fig. 2. Fig. 4, is an elevation of the bottom of the perpendicular pipe and cone holder with parts cut away. Fig. 5, is a plan section view on line y, y , of Fig. 4. Fig. 6, is an enlarged section view of a part of the handle and the revolving mechanism.

The frame is made with legs F, F, and E, that are held at the top with the circle band G, and near the center by the triangle brace H. The tub A, fits snugly within the frame. The top of the leg E, is provided with a vertical eye in which is journaled the swivel yoke D forming the fulcrum of the bell crank lever C; and they are formed into a hinge by the bolt b . One end of the bell crank lever C, is securely fastened on the cone shaped cover B, and through the edge of the cone T, by bolts or rivets. The cone T is fitted to allow a free action of the vertical reciprocatory and rotary hollow shaft of pipe O. The other and upper end of the bell crank lever C, is formed as a clevis to receive one end of the handle I, which is pivoted therein, by bolt or pin c .

On the handle by bolts e, e , are secured

strap bearings, one of which J, carries by means of the pin d , the pawl K, that engages the teeth of the ratchet wheel L, that is provided on one side with ratchet teeth and on the other or under side with a depending pin integral therewith and fitted to enter the top of the perpendicular pipe or rod O; and is secured in said pipe by the pin a , that is inserted through it and through the bearing collar N, and pipe O. Between the ratchet wheel L, and the bearing collar N, and carried by the pipe O, is the trunnioned sleeve M, that is pivoted in the strap bearings. On the lower end of the pipe O, is carried a cone support P, that is adjusted by the thumb screw Q, and has three or more arms (preferably three) that carry depending cones secured on their outer ends. The conical shape of the cover B permits the raising of the cones R, high enough to clear the water in the tub A, and to allow air to enter and be compressed under the cones R, and forced through the clothes by a downward stroke of the handle I. The cover is held down on the tub by the spring catch S. Any standard size galvanized tub may be used if desired by supplying near its bottom, a discharge opening u , as shown.

The tub is only partially filled with water, and in operation the handle is raised sufficiently to bring the cones above the water, so that in the downward stroke, air is forced with the water through the clothes; and the revolving mechanism is so arranged, that the cones strike perpendicularly. And when they are being raised, they are moved circumferentially in the tub by the positive mechanism of the pawl and ratchet, and strike in another place on the clothing in the tub. The hinge at the fulcrum of the bell crank lever C, allows the cover B, and the cones with all the actuating mechanism, to be raised and turned back and out of and from over the frame, and its inclosed tub A; or, wishing to rinse the washed clothes, another wash tub with rinse water and the washed clothes, is placed near the machine, and when the cover, cones and actuating mechanism are raised (sufficiently to clear the flange of the cover) they can be turned to the right or left, and when the cover is in place on the second wash tub, the washed clothes can be rinsed with a few strokes of the handle.

Having thus described my invention, I

claim and desire to secure by Letters Patent—

In a washing machine, the combination of
a support having a vertical eye, a tub on
5 said support, a detachable cover for the tub,
hinge means for the cover comprising a
swivel yoke journaled in said eye and a bell
crank pivoted in said swivel yoke, one arm
of the bell crank being secured to the cover,
10 cleansing devices within the tub, and an op-

erating lever connected at one end to the
other arm of the bell crank and at an inter-
mediate point to said cleansing devices.

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

ABRAHAM H. CUTRIGHT.

Witnesses:

W. E. Wood,

L. C. JOHNSON.