

R. P. Wilson,
Washing Machine,

N^o 34,386.

Patented Feb. 11, 1862.

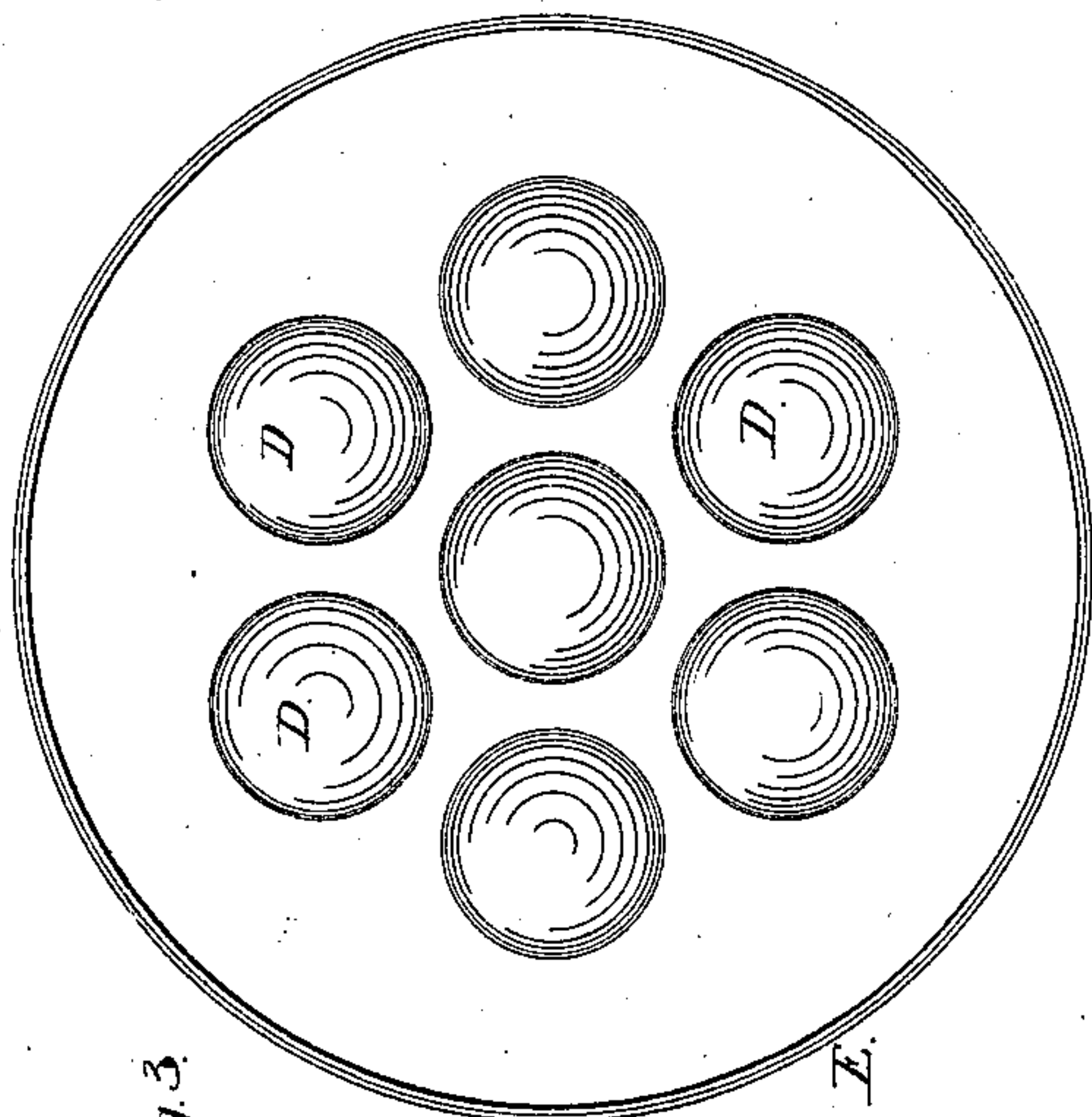


Fig. 3.

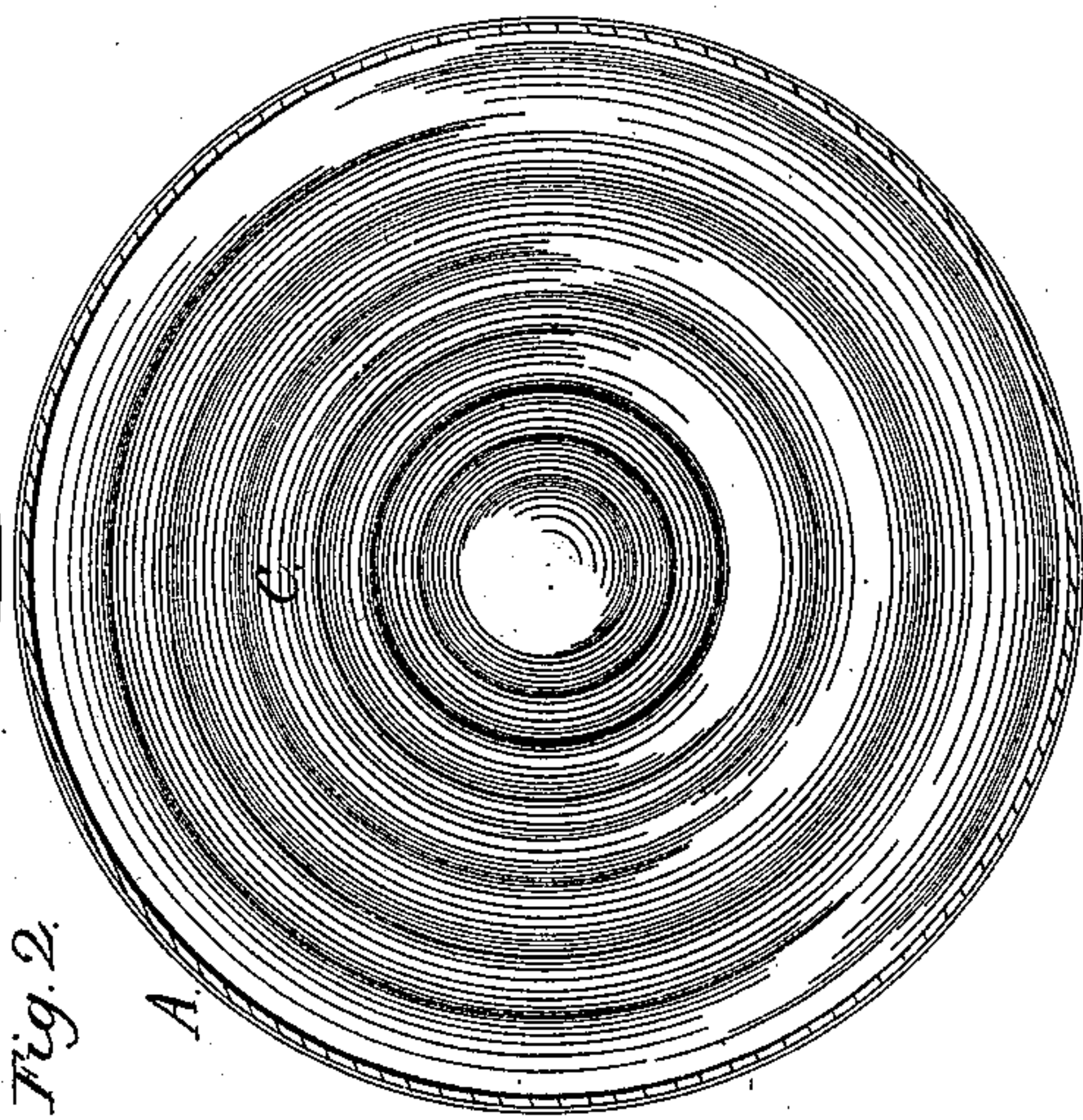


Fig. 2.

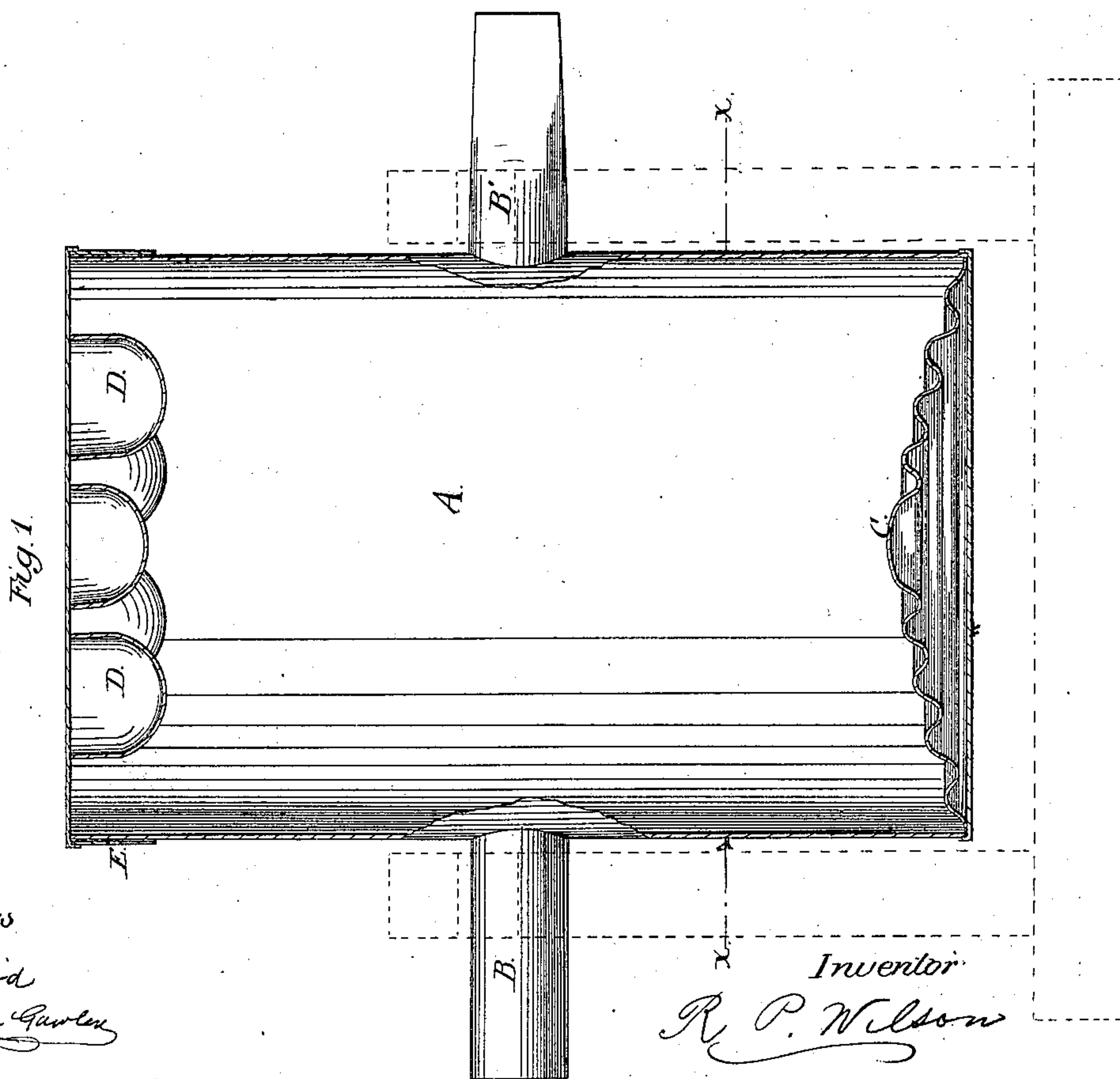


Fig. 1.

Witnesses

James Laird
Richardson Gwiley

Inventor

R. P. Wilson

UNITED STATES PATENT OFFICE.

R. P. WILSON, OF CLEVELAND, OHIO.

IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 34,386, dated February 11, 1862.

To all whom it may concern:

Be it known that I, R. P. WILSON, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and Improved Washing-Machine; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a vertical longitudinal section of my improved washing-machine. Fig. 2 is a horizontal section of the same, taken at the line $x x$ of Fig. 1 and looking down on it. Fig. 3 is an under side view of the movable head.

Similar letters of reference indicate corresponding parts in the several figures.

This invention or improvement relates to that class of washing-machines in which the washing is effected by the clothes or articles to be washed being alternately precipitated from one end of a barrel mounted upon trunnions to the opposite end as it is revolved; and the invention consists in an arrangement by which the clothes or articles are alternately subjected to a rubbing and pounding action as the barrel is revolved, thus effecting the desired result without injury to the clothes in an easy and expeditious manner.

To enable others to fully understand and construct my invention, I will proceed to describe it.

A represents a barrel or cylinder, which is mounted on two trunnions $B B'$, one of which B' is squared on its outer end to receive the socket of a handle or crank by which the barrel is revolved in the direction of its length. The barrel is supported by its trunnions in any suitable frame at a convenient height from the ground or floor to allow the person operating it to stand in an erect position. One end of the barrel on its inner side is provided with a convex rubber C, corrugated circumferentially. The other or opposite end of the barrel is movable and has formed on its under side a series of semi-spherical protuberances D, which constitute the pounders.

A flange E, projecting from the under side

of the cover and encircling the end of the barrel, serves to retain the cover in place and assist in forming a water-tight vessel of the barrel or cylinder.

The cover may be further secured by a bridge passing across it and engaging with suitable projections on the side of the barrel or cylinder; or it may be secured by screws passing through the flange, or by any other suitable fastening.

The clothes to be washed being soaped and placed in the barrel with hot or cold water in proportion to the quantity of clothing, the cover is put on and fastened in any suitable manner. The barrel being now revolved in the direction of its length by means of a crank, the clothes, with the water, are precipitated from end to end of the barrel and the former subjected alternatively to a rubbing and pounding action. The rubbing is effected by the clothes sliding over the corrugations of the rubber as it is inclined from a horizontal line when in its lowest position, and the pounding is effected by the clothes falling onto the semi-spherical protuberances at an angle of about thirty-degrees. The tumbling motion of the barrel keeps the clothes continually turning over, thus subjecting all parts of the clothes to rubbing and pounding action. After the clothes have been thus acted upon for a few minutes, the movable end of the barrel or cylinder is taken off and the clothes emptied into a tub and only require to be rinsed to complete the process of washing.

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

The semi-spherical protuberances D and corrugated convex rubber C, with the air-tight cylinder or barrel A, arranged to revolve in the direction of its length, when combined, arranged, and operating in the manner described.

R. P. WILSON.

Witnesses:

G. W. REED,
JAMES LAIRD.