

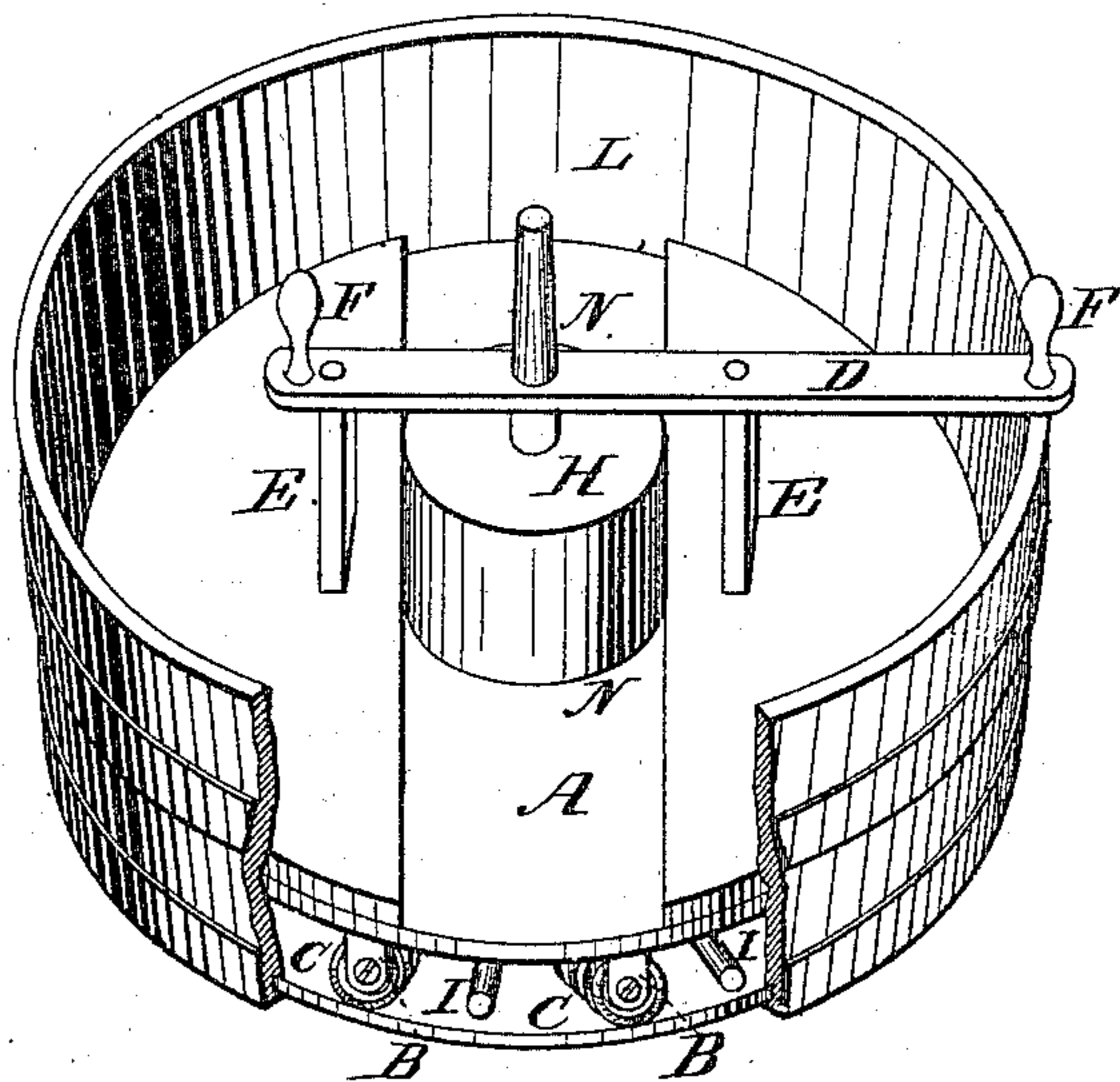
A. M. OLDS.

Washing-Machines.

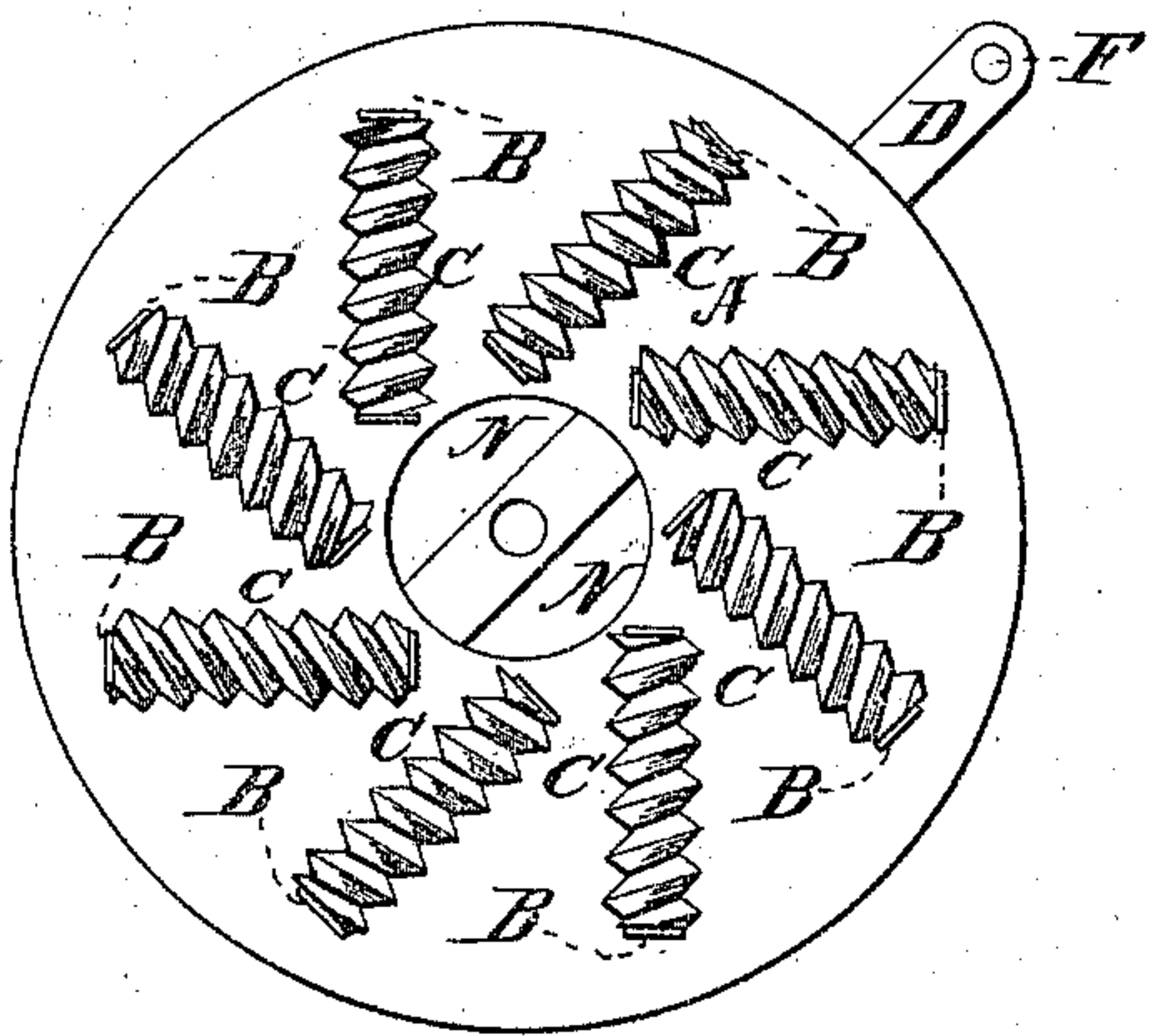
No. 134,609.

Patented Jan. 7, 1873.

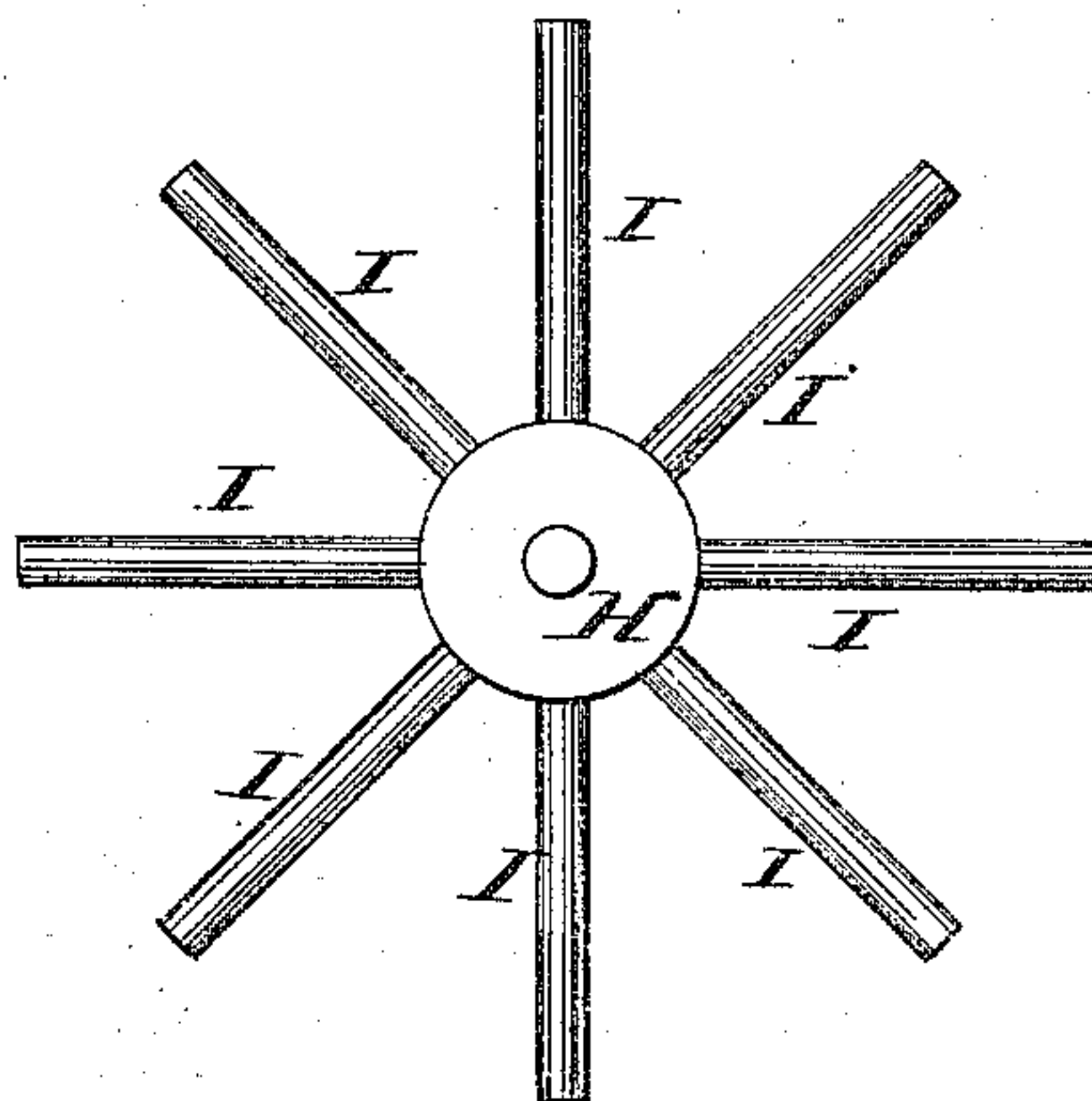
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses.  
Wm. H. Post.  
Fred M. Brush.

Inventor.  
A. M. Olds.

# UNITED STATES PATENT OFFICE.

AMANDRIN M. OLDS, OF GREELEY, COLORADO TERRITORY.

## IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 134,609, dated January 7, 1873.

*To all whom it may concern:*

Be it known that I, AMANDRIN M. OLDS, of the town of Greeley, county of Weld, and Territory of Colorado, have invented a new and Improved Washing-Machine; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

In said drawing, Figure 1 is a sectional perspective view of my invention with a portion of a tub in connection, showing its position when ready for operation; Fig. 2 is a view of the under side of the upper or movable portion of the machine; and Fig. 3 is a plan view of the lower or stationary portion of the same.

Similar letters of reference indicate like parts.

This invention consists in so constructing and arranging rollers that when revolutions are made in contact with clothes washing may be accomplished with great ease and rapidity.

A is the upper portion of the machine, on the under side of which are secured, in bearings B, screw-rollers C, the position of said rollers being placed so that the line of the thread of the screw is at right angles with the diameter of the circular portion A. D is an arm connected with the part A by standards E. On either end of the arm D are handles F for operating, one being further from the axis of the machine than the other, so as to give more purchase when operated with one

hand. H is a circular post provided with bars I at its base, which rest in the bottom of the tub L, the upper portion A being held in position by said post passing through corresponding openings N N.

The clothes being placed on the bars I and the rubbing portion A above, the handle of the long end of the arm D may then be moved right and left; and if clothes are very dirty, a slight pressure may be made upon the other handle at the same time; or if a greater change of position of the clothes should be desired, a few complete revolutions in either direction may be made. Thus the rubbing-surfaces of the screw-rollers gradually and directly move longitudinally against the clothes, requiring less power to produce the desired result through this transverse movement by these revolutions.

This machine may be operated in any ordinary-sized wash-tub, doing its work with ease and rapidity, and be within the means of any family, as they can be manufactured cheaply.

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

An attachment for wash-tubs, consisting of the circular disk A, screw-rollers C, and radial arms I and handles D, when combined to operate substantially as set forth.

A. M. OLDS.

Witnesses:

W. H. POST,  
FRED. M. BRUSH.