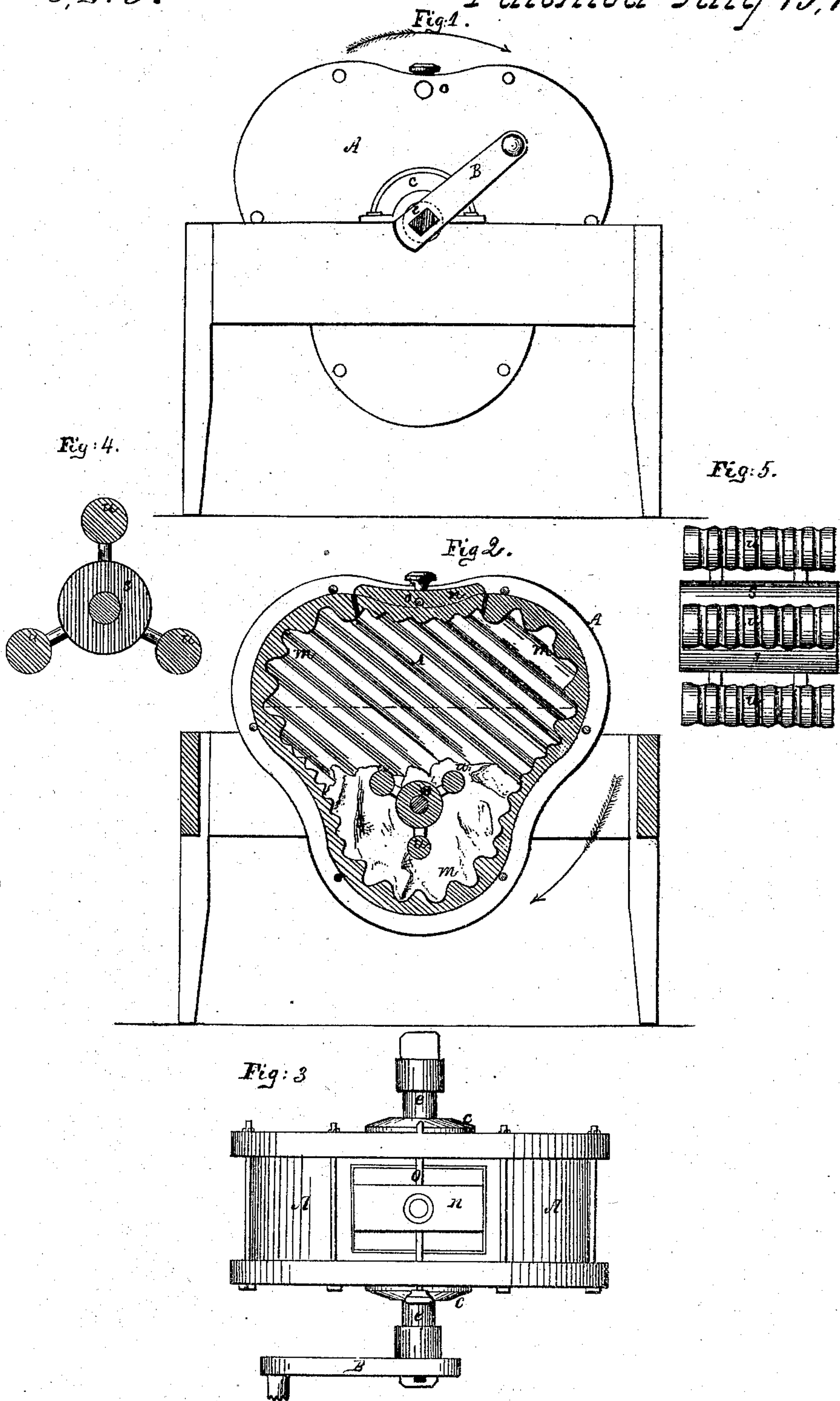


*J. Boardman,*  
*Washing Machine,*  
*N<sup>o</sup> 8,215. Patented July 15, 1851.*





# UNITED STATES PATENT OFFICE.

JOHN BOARDMAN, OF LITTLE VALLEY, NEW YORK.

## WASHING-MACHINE.

Specification of Letters Patent No. 8,215, dated July 15, 1851.

*To all whom it may concern:*

Be it known that I, JOHN BOARDMAN, of Little Valley, in the county of Cattaraugus and State of New York, have invented a new and useful Improvement in Washing-Machines; and I do hereby declare that the following is a full and exact description of the construction and operation of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is an end view; Fig. 2 is a transverse section; Fig. 3, a vertical view; Fig. 4 an end view of the pounder-frame, and Fig. 5 is a lateral view of the same.

The nature of this invention consists in constructing a revolving wash-barrel with three semi-cylindrical and fluted recesses, and in furnishing said barrel with a tumbling pounder-frame, so constructed as to both pound and rub the clothes within the barrel, by the rotary motion of the barrel.

A trefoil shaped barrel A, ten inches in length by twenty-five inches in diameter, has a flange *c* attached centrally to each head outside; and from the center of each flange, projects a gudgeon-shaft *e*, which terminates in a square tenon to which a crank B is attached; and the gudgeons have their bearings upon the two sides of a suitably constructed frame, or an oblong watertight box or trough. The interior of the barrel has three semi-cylindrical recesses *m m m*, each of which is fluted longitudinally; the grooves or troughs within the concaves being two inches wide, and three fourths of an inch deep, while those on the convex spaces between the recesses, are only one inch wide and one fourth of an inch deep. The insides of the heads are also fluted. In one side of the barrel is a door *n*, secured by a rod *o* or otherwise. A pounding-frame consisting of a central hub and

three parallel pounders, and adapted to working within the barrel, is constructed as follows: A cylindrical hub *s* eight inches long by four inches in diameter, is made of wood with a bar of lead in the longitudinal center thereof to give it additional weight; and from this hub project six radial arms, to the outward ends of which are attached three parallel cylindrical pounders *u u u*, each being eight inches long by two inches in diameter.

When this machine is to be operated, any quantity of clothes not exceeding twenty-five square yards, are placed in the barrel, with a suitable quantity of water and soap; and the pounder frame being placed therein, the door is closed and the barrel is revolved by means of the cranks. The pounders being retarded in their motion by the peculiar form of the barrel, the clothes generally precede them in falling into the recesses, when the pounders fall heavily thereon; and in passing from one recess to another, the pounders effectually rub the clothes as well as pound them.

I do not claim the constructing or using of a revolving wash-barrel, with or without a rolling or tumbling pounder therein; but

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

The peculiar form of the revolving barrel, with its fluted semi-cylindrical recesses, in combination with a pounding frame constructed with a weighted hub and three parallel pounders, as herein described.

In testimony whereof I have hereunto signed my name before two subscribing witnesses.

JOHN BOARDMAN.

Witnesses:

JAMES M. WELCH,  
C. F. TREVITT.