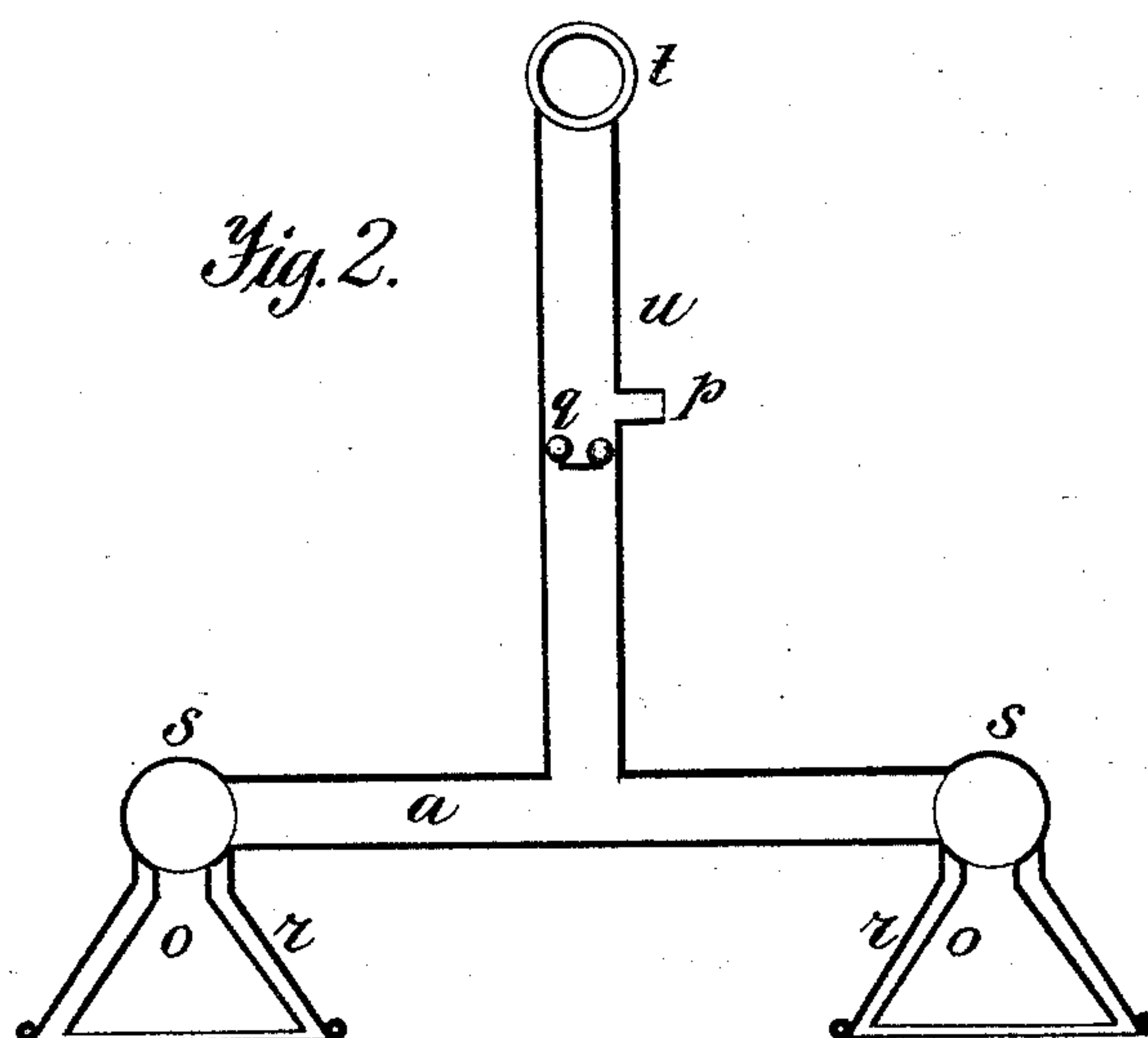
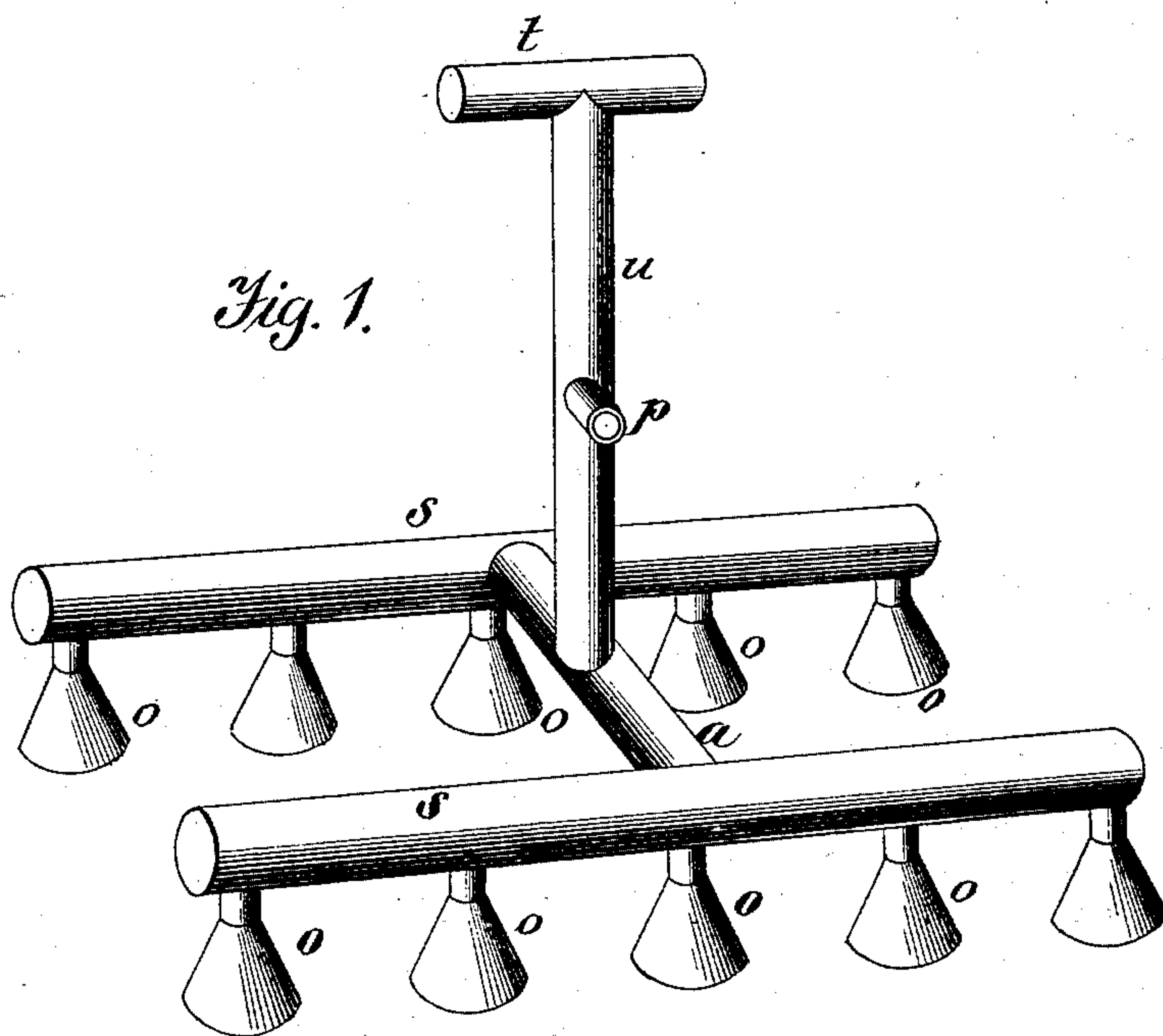


(No Model.)

D. F. CASEY.  
WASHING MACHINE POUNDER.

No. 328,003.

Patented Oct. 13, 1885.



*Witnesses.*  
*A. Ruppert,*  
*R. E. Grant*

*Inventor.*  
*D. F. Casey,*  
*Per*  
*Thomas P. Simpson*  
*Attorney.*

# UNITED STATES PATENT OFFICE.

DAVID FRANKLIN CASEY, OF HARRISONVILLE, OHIO, ASSIGNOR TO A. I. HUTCHINSON, OF SAME PLACE.

## WASHING-MACHINE POUNDER.

SPECIFICATION forming part of Letters Patent No. 328,003, dated October 13, 1885.

Application filed April 24, 1885. Serial No. 163,329. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID F. CASEY, of Harrisonville, in the county of Meigs and State of Ohio, have invented an Improved Washing-Machine Pounder, of which the following is a specification.

The special object of this invention is to make an improvement in that class of washing-machines known as "pounders," so that the labor will be greatly lessened, while the work done will be satisfactory and without objection.

Figure 1 of the drawings is a perspective view of my improved pounder, and Fig. 2 a sectional elevation.

In the drawings, *s s* represent two horizontal tubes, to the bottom of which are attached cups *o*, in the shape of reversed funnels, and communicating with the inside of said tubes. The tubes *s s* are connected at the middle by the straight horizontal tube *a*, from the middle of which rises a perpendicular tube, *u*, provided at the top with a cross-bar handle, *t*. In the vertical tube *u* is an air-vent, *p*, and just below it is placed one or more upwardly-opening valves, *q*. *r r* represent the cup-casings.

The operation is as follows: The washer grasps both ends of the handle *t* and rocks back and forth, alternating the action of the two rows of cups, so that while one acts as the fulcrum or rest upon which the pounder

turns the other row comes down upon and rises from the clothes in the tub or receptacle. As the row of cups goes down, gathering air and water, the valve *q* opens and lets the air escape, the water under the clothes being forced up through them, while as the said row is raised and the valve *q* closed a vacuum occurs in the tubes and the clothes are lifted, thus causing the water to pass down through them. By this construction of pounder all lift of pounder is avoided, and the tiresome, tedious expenditure of muscular force in carrying the weight of pounder is dispensed with entirely. Thus a person of any given endurance will do very nearly, if not quite, double the work that he or she could possibly do with a lift-pounder, while a person of half the strength required in the latter can conveniently operate my pounder.

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

In a washing-machine, the two horizontal and parallel tubes *s s*, provided with sub-jacent incased cups *r o*, and connected by tube *a*, in combination with a perpendicular tube, *u*, having air-vent *p*, valve *q*, and cross-bar handle *t*, as shown and described.

DAVID FRANKLIN CASEY.

Witnesses:

L. B. JONES,  
T. E. RIGGS.