

J. W. Norton,

Clothes Pounder.

No. 109,240.

Patented Nov. 15, 1870.

Fig. 1.

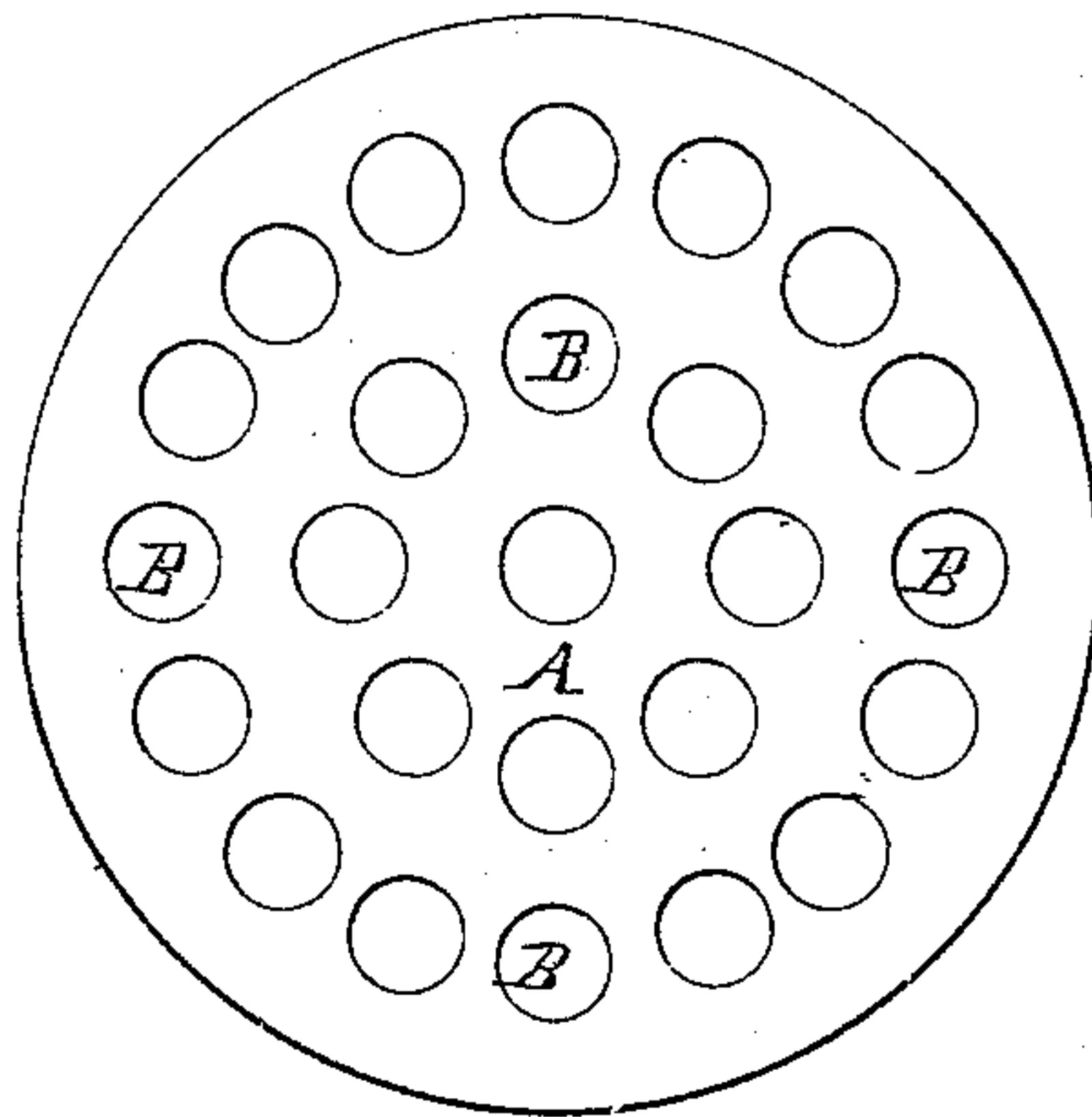
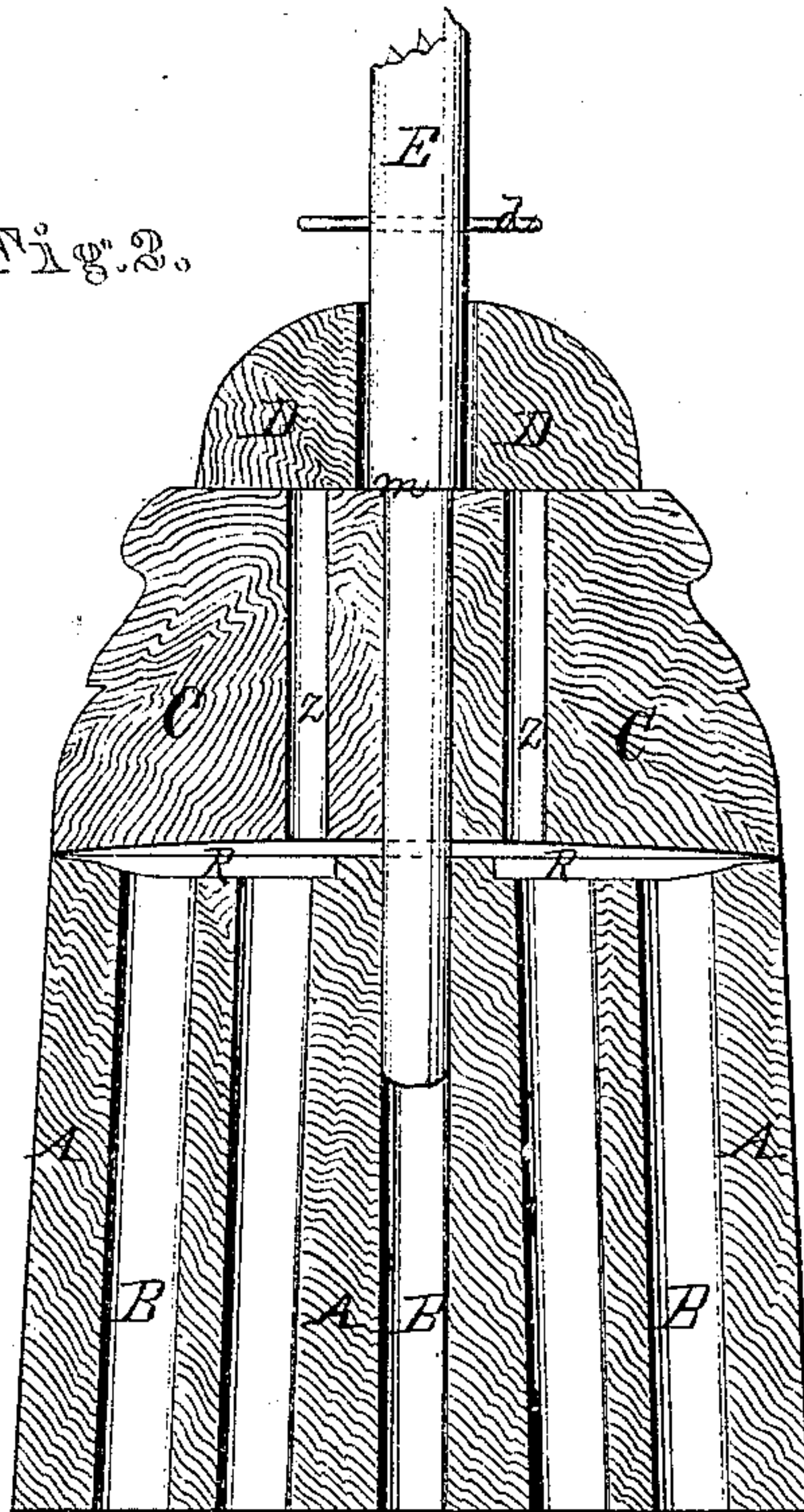


Fig. 2.



Witnesses:
Chas. Kenyon,
Edw. P. Mass,

Inventor.
J. W. Norton
Chipman & Hosmer & Co
Attys.

United States Patent Office.

JAMES W. NORTON, OF PIONEER, PENNSYLVANIA.

Letters Patent No. 109,240, dated November 15, 1870.

IMPROVEMENT IN CLOTHES-POUNDERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES W. NORTON, of Pioneer, in the county of Venango and State of Pennsylvania, have invented a new and valuable Improvement in "Clothes-Pounder;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1. of the drawing is a bottom view of my invention.

Figure 2 is a vertical section of the same.

My invention relates to "clothes-pounders" for washing purposes, and consists in the novel construction and arrangement of devices intended to serve as a valuable and efficient device for the purpose mentioned.

My pounder is constructed in three parts.

The letter A represents the body or stock of the pounder, perforated with a suitable number of holes marked B.

These holes or perforations in the stock are slightly inclined upward and inward, and they should be of sufficient diameter to allow the water to pass up freely.

The lower surface of the pounder may be flat or convex, but its upper surface should be concave, forming, with the concave lower surface of the disk next to be described, a suction chamber.

C represents a disk centrally perforated, and arranged on the handles between the stock A and valve D.

This disk is provided with several perforations, Z, extending through it from its lower to its upper surface. Its lower surface is concave, and the edge thereof is accurately fitted to the adjacent edge of the beater A.

R is the chamber formed between the beater A and disk C. It serves as a means of communication between the beater-perforation B and the disk-perforation Z Z, and is an important auxiliary in the valvular action.

D represents a plano-convex valve, arranged on top of the circular disk C.

The pin *d*, in handle E, keeps the valve from working up too high thereon.

E represents the handle, fitted in the stock A at a short distance from the bottom, as shown on fig. 2. This handle is also inserted through the disk C, and a shoulder, *m*, thereon prevents this disk from rising beyond a certain point.

The valve D allows the air to escape freely from the tubes B Z, as the pounder is forced into the water, so that the air cannot offer any resistance to the entrance of the water into the perforations.

The water will, therefore, not splash about as it would if the pounder had a solid surface.

The operation of this machine is readily understood and seen, and therefore needs hardly any description.

The pounder is used in the ordinary way, the clothes being placed in a suitable tub or vessel with a requisite quantity of water and suds, and the pounder is operated by hand or otherwise; as the pounder is forced down by the handle, the water is forced through the perforations, and the wet clothes are partially drawn into the mouths of the holes; as the pounder is drawn up, the valve closes and the water is kept in the tubes.

A suction is also created, causing the pounder to take hold of the clothes, as it were, and thereby enabling it to work them about as well as beat them, in a manner highly conducive to the cleansing thereof.

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

The perforated beater A with concave upper surface, perforated disk C with concave lower surface, and valve D, all constructed and arranged to operate substantially as shown and described.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

Witnesses: JAMES W. NORTON.
A. W. MERRICK,
L. O. CURTIS.