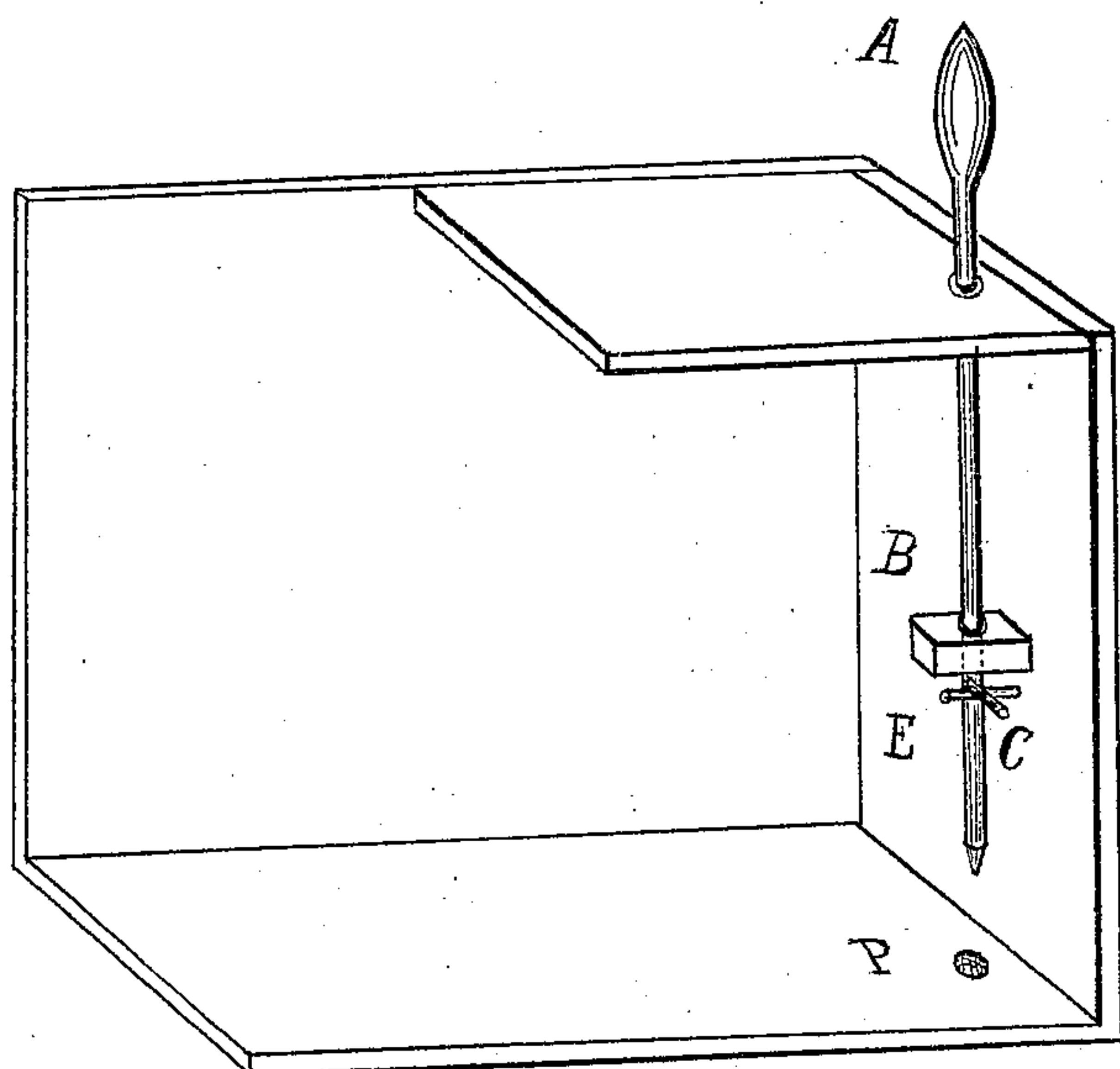


J. Ringen,

Washing Machine.

No. 93,340.

Patented Aug. 3. 1869



*Witness { Wm. Eccles
Charles H. Chapin*

John Ringen

Inventor

United States Patent Office.

JOHN RINGEN, OF ST. LOUIS, MISSOURI.

Letters Patent No. 93,346, dated August 3, 1869.

IMPROVEMENT IN WASHING-MACHINE.

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, JOHN RINGEN, of the city and county of St. Louis, State of Missouri, have invented a new and useful Improvement in Washing-Machine Stoppers; and I do hereby declare the following to be a full and exact description of the same, reference being had to the annexed drawing, and letters of reference marked thereon.

The nature of my invention consists in so constructing the common wooden stopper that it may be opened from the inside by a handle on the outside of the machine.

In the drawing—

A is a long, round, wooden plug, passing through the top of the machine, down the inside, through the block B, which is fastened to the inside of the suds-box of the machine.

P is an aperture through which the water can pass from the suds-box, and is situated in the bottom of the box, so it will drain all the water off.

The plug is made to fit this aperture, and is directed into it by the block B.

E is a peg set in the side of the suds-box, about an inch below the block B, and to one side of the plug A, and serves to hold the plug A up, when the aperture is open.

C is a small peg in the plug A, to keep the plug, or stopper from being drawn out of the block B, and to keep it from falling down when it is turned on the peg E.

When you wish to open the aperture P, you have but to take the plug A by the handle, and lift it up, until the peg C strikes the bottom of the block B; then turn it to the right, and the peg C will rest on the peg E, and the stopper will be held up; and when you wish to close the aperture P, give the plug A a half turn to the left, and it will drop off the peg E into the aperture P, and shut off the water.

I am aware of the patent to Ellis Doty, dated May 15, 1866, and the patent to J. B. Crowley, dated November 12, 1867, for improvement in wash-boiler, and hold that they do not interfere with my invention.

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

The device E and C, for sustaining the stopper A when elevated, in combination with a washing-machine, as shown and described.

JOHN RINGEN.

Witnesses:

WM. M. ECCLES,
CHARLES H. CHAPIN.