

A. F. WANDERER & J. GILG.
STOVE-DRUM.

No. 174,393.

Patented March 7, 1876.

Fig. 1.

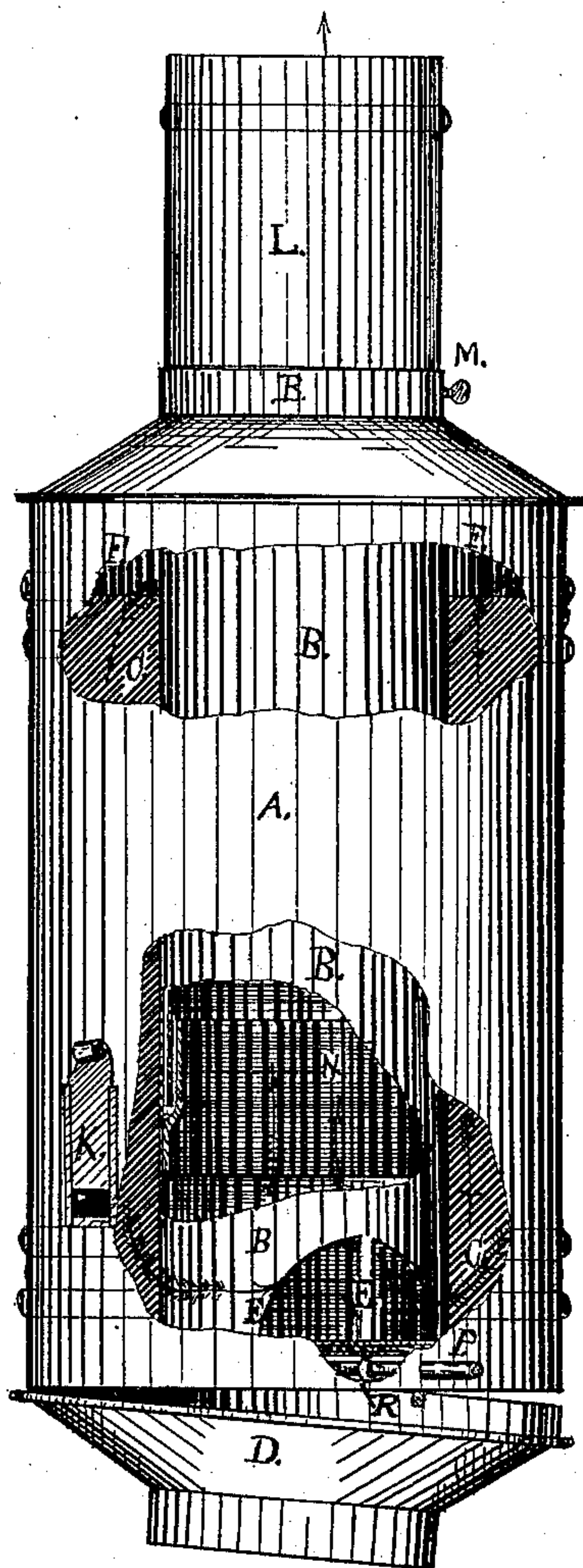
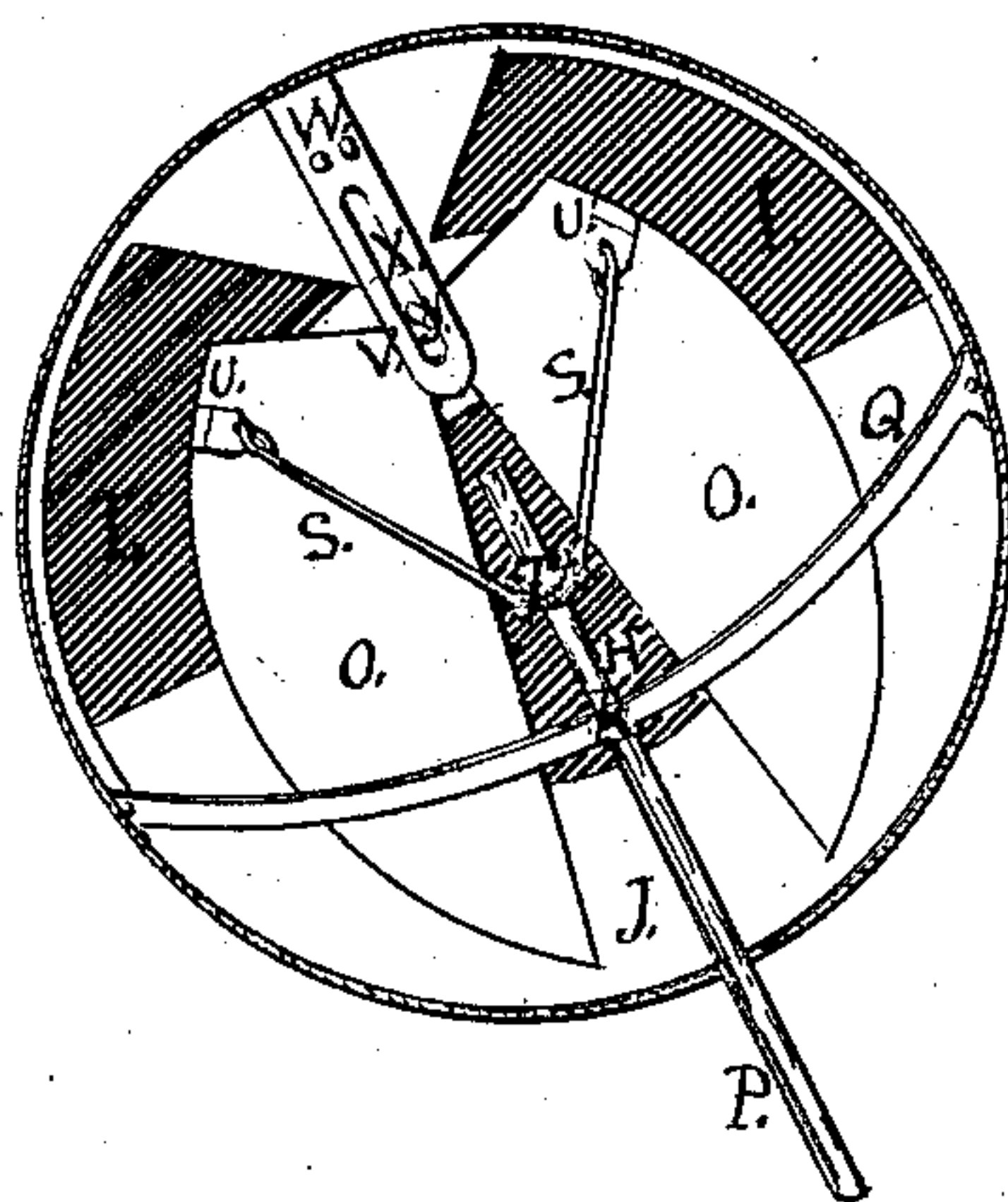


Fig. 2.



WITNESSES:
F. H. Wolf
O. R. Erwin

INVENTORS:
Andrew F. Wanderer
Jacob Gilg, Jr.
Geo. B. Erwin
attys

UNITED STATES PATENT OFFICE.

ANTON F. WANDERER AND JACOB GILG, OF MILWAUKEE, WISCONSIN.

IMPROVEMENT IN STOVE-DRUMS.

Specification forming part of Letters Patent No. **174,393**, dated March 7, 1876; application filed January 27, 1876.

To all whom it may concern:

Be it known that we, ANTON F. WANDERER and JACOB GILG, of the city of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Stove-Drums; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention consists in improvements in the construction of stove-drums with direct center flue, with both an upward and downward side draft or flue, and double-acting reciprocating dampers, combined with an extension adjustable stove-pipe.

The claim and drawing will further explain the nature of this invention.

Figure 1 is a side view of our invention. Fig. 2 is an end view of the same.

Similar letters of reference indicate corresponding parts.

A is a cylindrical drum. B is a center pipe. C C are partitions connecting the drum A with the pipe B. D is the base of the drum, which rests upon the stove, or is attached to the pipe at any point above the stove, as desired. The base D may be removed to clean the drum. E is an opening in the center pipe B. F F are openings above the partitions C C. H is a center flue. I is an upward-draft flue. J is a downward draft flue. K is a slide-door in the drum A, which may be opened to ventilate the room or cool the drum. L is an extension-pipe, which may be raised or lowered, and is adjusted by the thumb-screw M. N is a guide-pipe, which has a flange on its lower end, by which it is attached to the center pipe B, leaving a space between the pipes N and B for the extension-pipe L. The guide-pipe N conducts the smoke into the extension-pipe L, which is fitted but loosely to the center pipe, so that it may be easily moved upward and downward, and prevents the smoke from escaping. O O are dampers. P is a damper-rod. Q is a supporting-bar, and supports the front end of the dampers O O, and is attached at each end to the drum A. R is a clasp attached to the

supporting-bar Q, through which the damper-rod P moves, and by which it is guided. S S are wire hooks, which are attached to the damper-rod P by staples T, and are hooked through small holes to the brackets U U. The dampers O O are connected together by a hinge, V. W is a slotted bracket, which supports and guides the back end of the dampers O O. Y is a hinge-pin to the hinge V, and extends through the slot X, and serves to guide the dampers O O in their reciprocating motion.

Our invention is operated as follows: When it is desired to heat the drum A, the rod P is drawn out, when the dampers O O have a direct forward motion until the hinge-pin Y strikes the end of the slot X, at which point the hinge becomes stationary, and, by the continued drawing on the rod P, the dampers O O turn upon the hinge V until they come together under the rod P, whereby the center flue H is closed. When the center flue is closed the smoke passes upward in the flue I to the top of the drum A, when it passes over the partitions C C into the down-draft flue J to the openings E, where it passes into the center pipe B and escapes.

To cool the drum, a reverse movement is given to the rod P, when the dampers O O have first a direct backward movement until the hinge-pin Y strikes against the back end of the slot X, when they separate and close the flue I, when the smoke will have a direct draft through the flue H.

We claim as our invention, and desire to secure by Letters Patent—

The drum A, center pipe B, partitions C C, base D, extension-pipe L, thumb-screw M, dampers O O, damper-rod P, hooks S S, the guide-bar Q, the bracket W, hinge-pin Y, clasp R, brackets U U, hinge V, and staples T, all the parts being combined and arranged in the manner specified, and for the purpose set forth.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

ANTON F. WANDERER.
JACOB GILG.

Witnesses:

WM. DAVELAAR,
K. SHAWVAN.