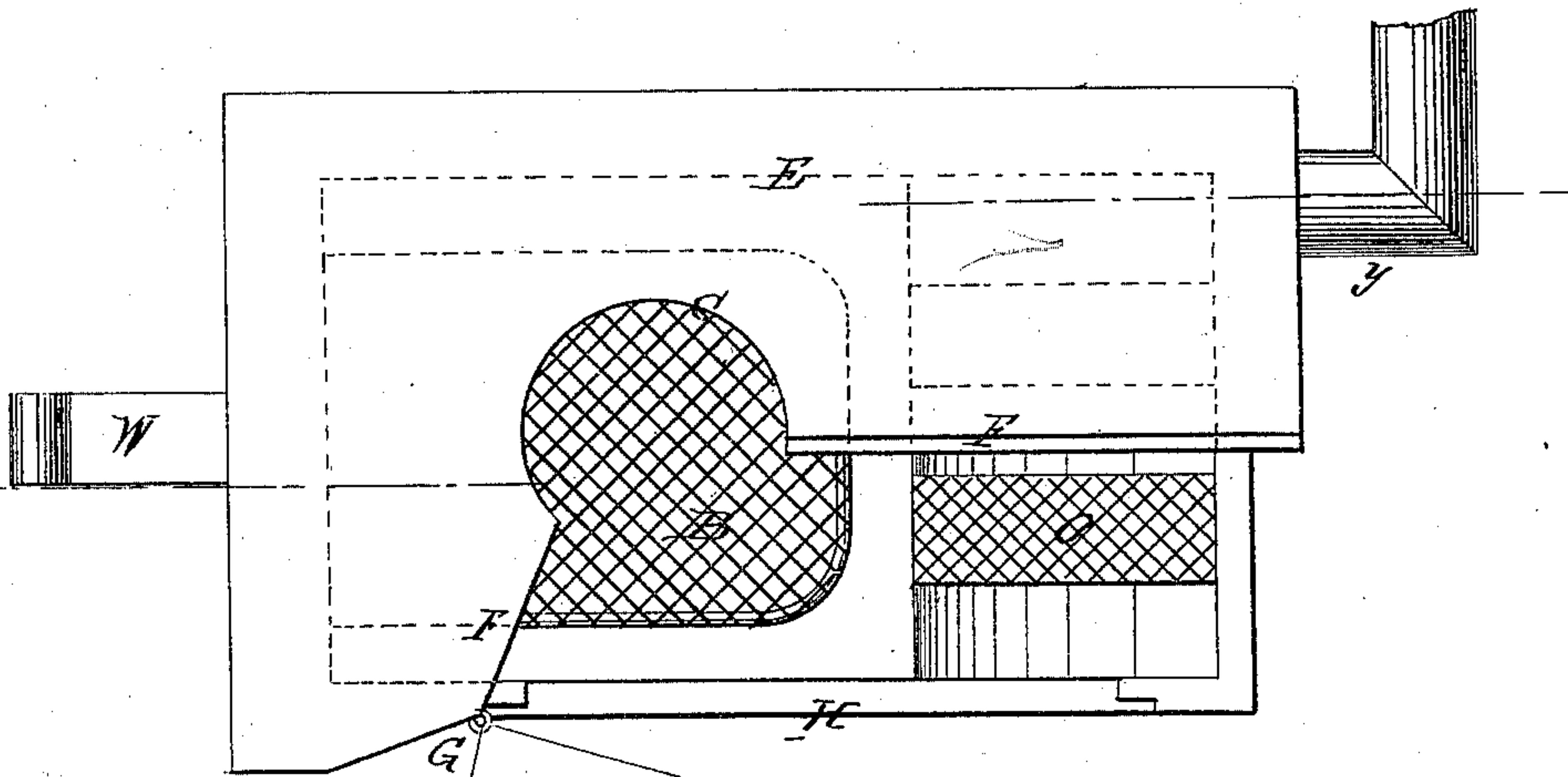
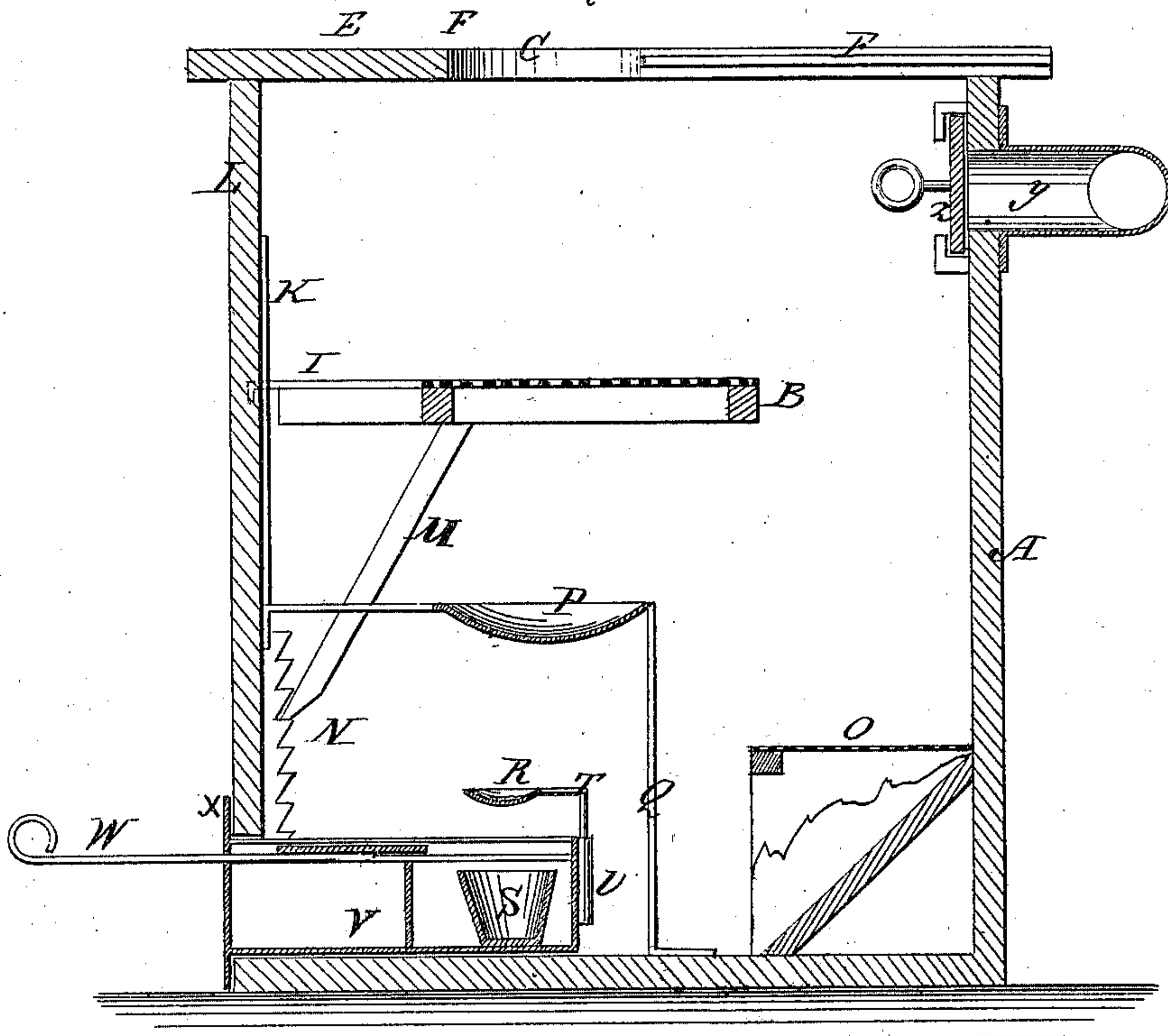


W. ESTABROOK & S. J. McDONALD.  
Vapor-Baths.

No. 133,575.

Fig. 1.

Patented Dec. 3, 1872.



Witnesses:

Chas. Nida.  
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Inventor:

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PER *Wm. H. [Signature]*  
Attorneys.



# UNITED STATES PATENT OFFICE.

WARREN ESTABROOK AND SAMUEL J. McDONALD, OF GALLATIN, MO.

## IMPROVEMENT IN VAPOR-BATHS.

Specification forming part of Letters Patent No. 133,575, dated December 3, 1872.

*To all whom it may concern:*

Be it known that we, WARREN ESTABROOK and SAMUEL J. McDONALD, of Gallatin, in the county of Daviess and State of Missouri, have invented a new and Improved Vapor-Bath, of which the following is a specification:

My invention is an improvement in the class of vapor-bath apparatus in which the case employed is provided with a top and side adapted to open to receive the patient, and with a perforated seat and a vaporizing-furnace; and the invention consists in the arrangement of heat fenders or screens with relation to a seat and foot-support, and of a receptacle for containing a furnace, the same being provided with a sliding cover, whereby the intensity of the furnace-fire may be lessened or inclosed so as to exclude the air and extinguish it, &c., as hereinafter set forth.

Figure 1 is a sectional elevation of our improved vapor-bath apparatus taken on the line *x x* of Fig. 2, and Fig. 2 is a top view with the door opened.

Similar letters of reference indicate corresponding parts.

A represents a case, of wood or other suitable material, of suitable size for a person of large size to sit in on the seat B and have the neck project through the hole *c* in the top, the said seat, which is adjustable vertically to adapt the apparatus for persons of different size, being let down to the lower limit of its range. The part D of the top is jointed to the other part, E, in the lines F, and hinged at G; and the corresponding part of the side H of the case is connected to the said part D of the top, and also hinged in the axis G so as to open to admit the patient and close him in, closing around the neck, as aforesaid. The aforesaid seat B is perforated to afford the best application of the vapor. It is made adjustable by the hook-headed bars I passing through the slotted plates K attached to the side L, and hooking behind them and the braces M and notched bars N for holding the lower end. O represents perforated foot-rests, under which the vapor is allowed to pass to rise up against

the bottom and around the feet while resting thereon. P is a sheet-metal screen under the seat for protecting the patient from too much heat, and Q represents screens for protecting the legs. R is a cup or dish of any suitable kind, supported over the fire, which will be in furnace S, by a crane, T, which is supported in a vertical socket, U, on the inner end of the metal case V, which contains the fire-pot or furnace S, and is arranged to slide into the case A through a hole in the side L at the bottom, containing an extinguishing slide or gate, W, for sliding in over the fire-pot for extinguishing the fire when required. Said case is provided with flanges *x* at the outer end for overlapping the joint at the opening in wall L, through which it is admitted to prevent the admission of too much air. Y is the exhaust-pipe. It is provided with a damper, Z, to regulate the escape of the vapor.

Solid or liquid substances to be burned for medicating will be placed in the furnace S, or any other equivalent or suitable one in its stead; and liquids or other substances to be vaporized by low heat will be placed in the basin R above, to be heated by fire in the furnace.

The case V is arranged to slide out and in case A for convenience in attending the fire and arranging the medicating substances.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. The arrangement, within the case A, of the concavo-convex screen P and screen Q supporting the same, in relation to the perforated seat B and foot-rest O, as set forth.

2. The sliding case V provided with the slide W, whereby the furnace S may be completely inclosed so as to be withdrawn from the case A or left therein, as occasion may require, as set forth.

WARREN ESTABROOK.  
SAMUEL J. McDONALD.

Witnesses:

R. A. VANCE,  
E. A. VANCE.