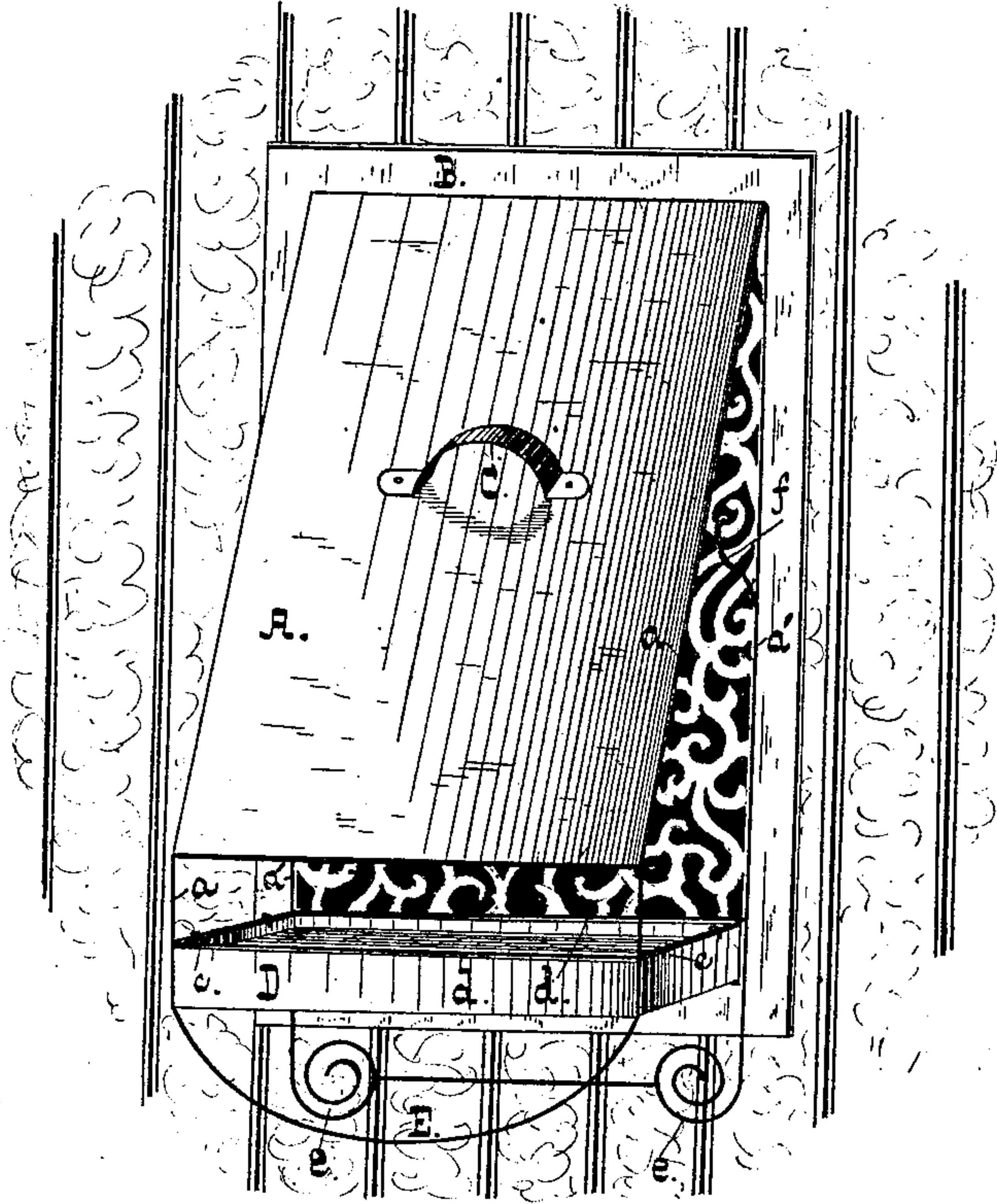


(No Model.)

J. F. MEYER.
EVAPORATOR FOR REGISTERS.

No. 254,493.

Patented Mar. 7, 1882.



WITNESSES.

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JOHN F. MEYER, OF BALTIMORE, MARYLAND.

EVAPORATOR FOR REGISTERS.

SPECIFICATION forming part of Letters Patent No. 254,493, dated March 7, 1882.

Application filed December 9, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. MEYER, of Baltimore city, State of Maryland, have invented certain new and useful Improvements in Evaporators for Registers; and I hereby declare the same to be fully, clearly, and exactly described as follows, reference being had to the accompanying drawing, in which the device is shown in perspective view.

My invention has reference to apparatus designed for use in connection with the ordinary heating-flues and registers of dwellings to evaporate water, the object being to prevent the current of air from entering the room hot and dry; and it consists in a device for attaining that end constructed and operating as hereinafter set forth.

In the drawing, A is a plate or shield of substantially the area of the register B, and constructed by preference of sheet metal. Wires *a a* are beaded in its edges to give it stiffness and finish, and are bent so as to form a frame. The front wire, *a*, forms a curve or loop, E, and the rear wires, *a'*, are continued down and bent into curves *e*, the lower portions of which are in the same plane as the base of the curve E, and constitute with it a tripod, upon which the device may rest upright when not in use. Below the edge of the plate A a wire, *d*, connects the wires *a a'*, forming a rectangular frame, in which is hung, by catches *c c*, a pan, D.

To the rear wires, *a'*, are attached hooks *f*, adapted to engage with the register and sustain the device in place, as shown.

A handle, C, is attached to the plate A, whereby the device may be removed when desired. The handle is placed centrally upon the front plate, whereby it is vertically over the center of the pan, and the danger of spilling the water when the device is moved is lessened.

In operation, the device being hung upon the register, as shown, the current of air issuing therefrom strikes the inclined front plate and is deflected downward upon the surface of the water, and finally escapes at the sides and between the plate and the pan.

Instead of connecting the wires *a* to form a loop, E, they may simply extend downward at either side, forming legs; but the described construction is preferred.

The device occupies but little space in front of the register, and is of such construction as to stand upright upon the floor when not in use.

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

The device herein described, consisting of the wire frame having catches to engage with the register and formed to support the device upright when not in use, and provided with the inclined front plate and a water-pan, as set forth.

JOHN F. MEYER.

Witnesses:

R. D. WILLIAMS,
CHARLES HEISER.