

G. POLLOCK.  
Hot Air Register.

No. 7.582.

Patented Aug. 20, 1850.

Fig. 2

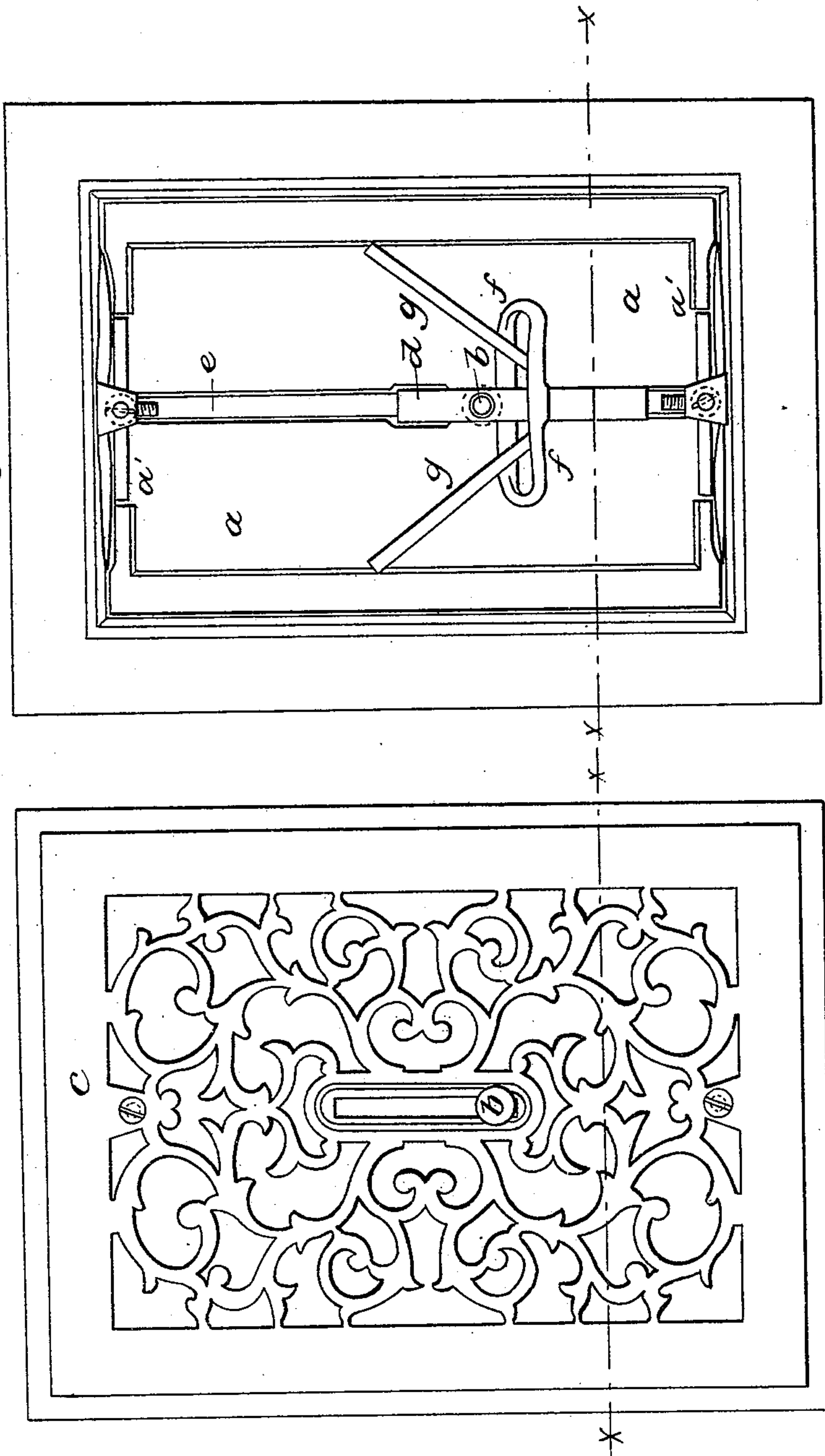
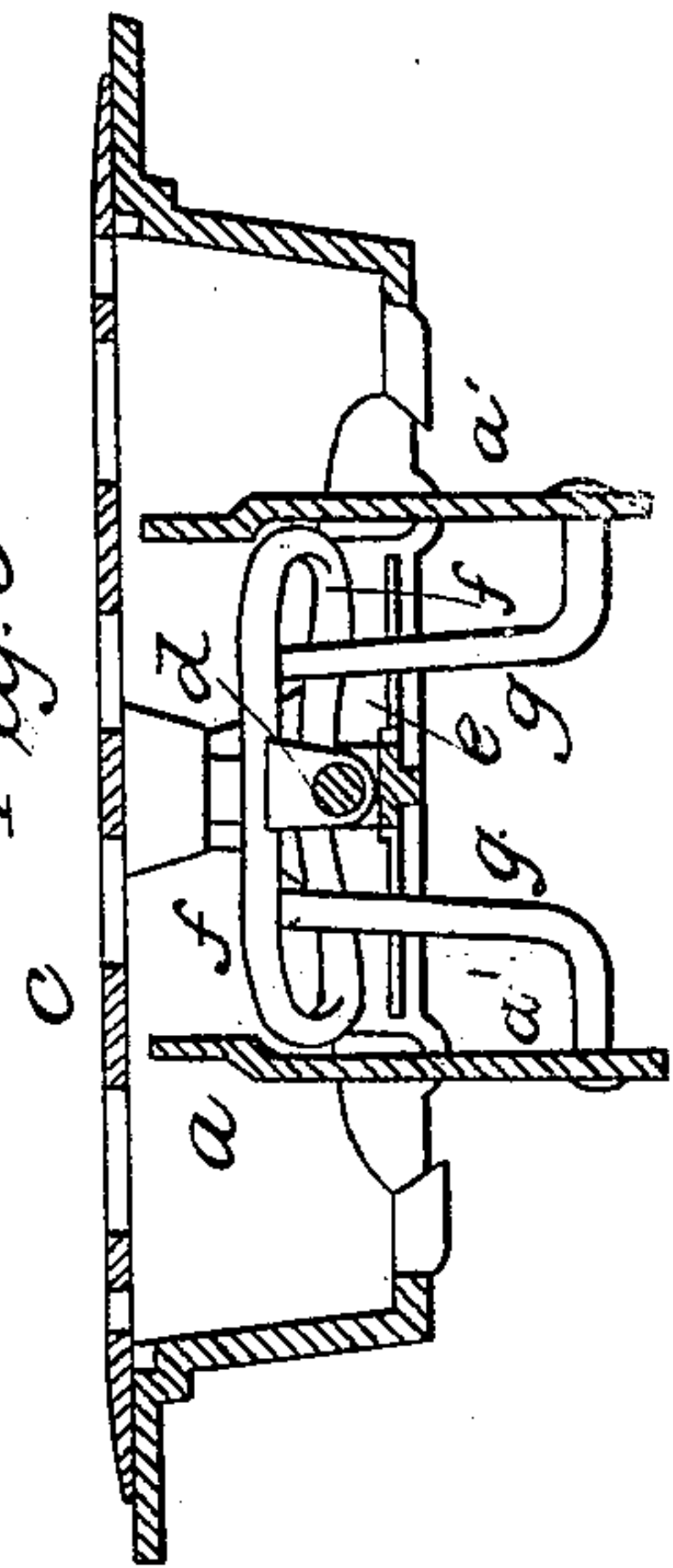


Fig. 3



# UNITED STATES PATENT OFFICE.

GEO. POLLOCK, OF ROXBURY, MASSACHUSETTS.

## HOT-AIR REGISTER.

Specification of Letters Patent No. 7,582, dated August 20, 1850.

*To all whom it may concern:*

Be it known that I, GEORGE POLLOCK, of Roxbury, in the county of Norfolk and State of Massachusetts, have invented certain Improvements in Registers or Ventilators for Regulating the Passage of Heated Air to or from Apartments; and that the following is a full, clear, and exact description of the principle or character which distinguishes therefrom all other things before known and of the usual manner of making, modifying, and using the same, reference being had to the accompanying drawings, of which—

Figure 1 is a front view; Fig. 2, the same with the front plate removed; Fig. 3, a transverse section.

In a former patent taken out by me, the general form of the register was the same as the one now to be described, having an ornamental front plate (*c*) behind which is the frame containing the oblong dampers (*a*) turning on their axes at (*a'*) through which the heated air is admitted to the apartment. Since the above mentioned patent was granted, I have invented a new method of giving motion to the valves or dampers which has great advantages over the former method in point of simplicity and efficiency. The button (*b*) by which the dampers or valves (*a*) are moved, slides in a groove or slot in the front plate (*c*). This button is attached below the plate to

a piece (*d*) which slides on a rod (*e*) by which it is guided. The piece (*d*) has a piece (*f*) in the form of a staple or loop projecting from each side. From the inner side of the dampers (*a*) near one edge, projects a bar (*g*) which is bent at a short distance from the damper, to a right angle, which gives the bar (*g*) a position lying obliquely across and parallel with the surface of the damper (*a*). These bars are embraced by the staples (*f*) which by their action on the bars, cause the dampers (*a*) to open or shut, as the button (*b*) is moved from one end to the other of the slot in the front plate (*c*); or stand partly open when the button is placed intermediately between the ends.

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

The method of moving the dampers in registers or ventilators, by means of the slides (*d*) and the oblique bars (*g*) with their several forms and parts, substantially as described, in combination with the oblong dampers hung in the middle of their width in the manner and for the purposes set forth.

G. POLLOCK.

Witnesses:

JOSHUA LEWIS,  
JOSHUA LEWIS, Jr.