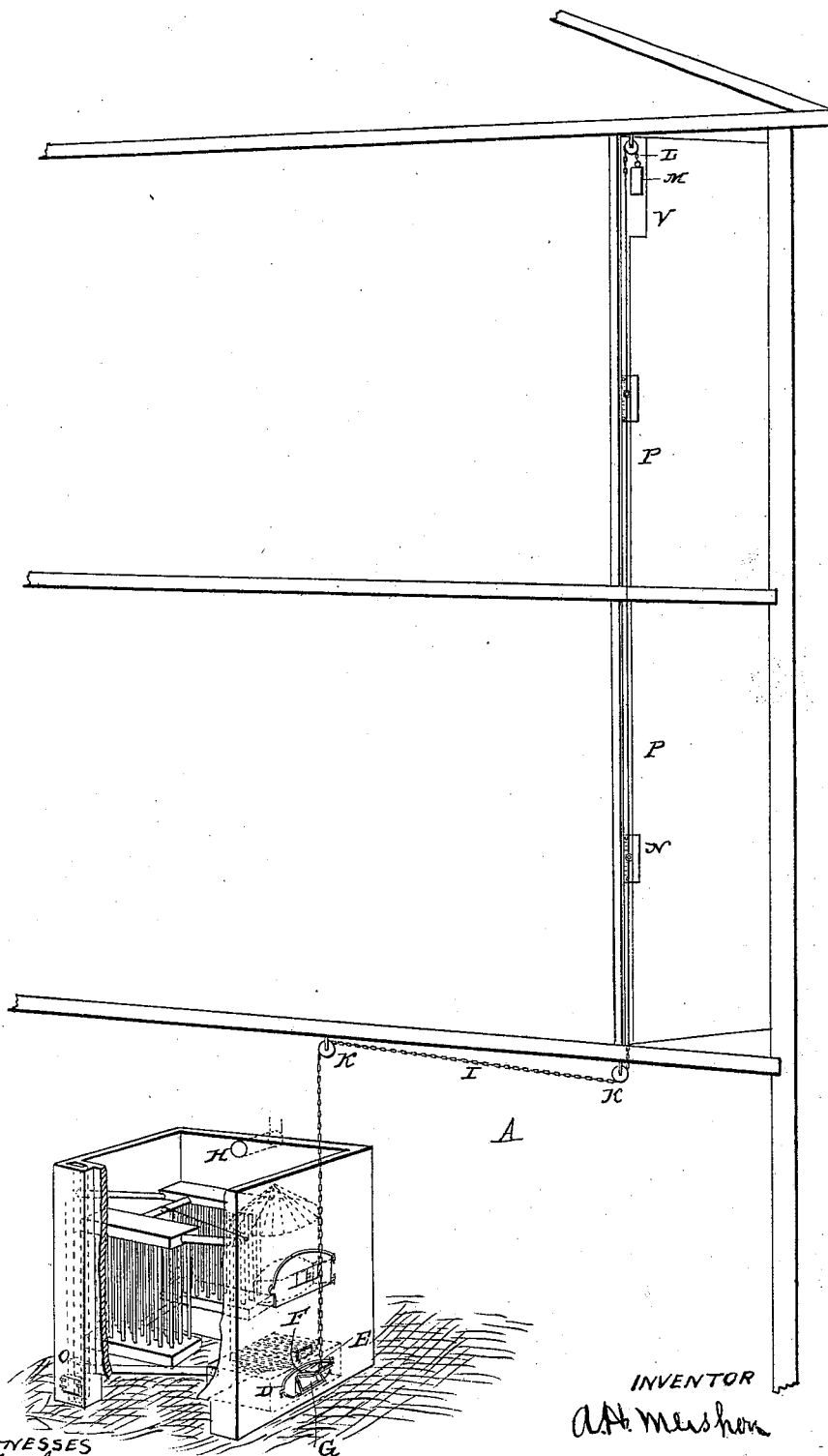


A. H. MERSHON.

Furnace Damper.

No. 55,138.

Patented May 29, 1866.



WITNESSES
Ed. Hagerman
H. W. Cooper

INVENTOR
A. H. Mershon

UNITED STATES PATENT OFFICE.

ALBERT H. MERSHON, OF PHILADELPHIA, PENNSYLVANIA.

MODE OF REGULATING THE DRAFT OF FURNACES.

Specification forming part of Letters Patent No. 55,138, dated May 29, 1866.

To all whom it may concern:

Be it known that I, ALBERT H. MERSHON, of Philadelphia, in the county of Philadelphia, in the State of Pennsylvania, have invented a Mechanism for Regulating the Draft of Hot-Air Furnaces or Heaters from any story or floor of a building; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

My invention consists in the adaptation of mechanism so as to enable a person on any floor of a building to regulate the heat of a furnace without descending to the cellar.

Its general arrangement will be shown by reference to the accompanying drawing, making part of this description.

A is the cellar in which the heater H is placed. B and C are upper rooms in the building. D is the ash-pit door, of which E is the draft-door, suspended by hinges on its upper side, F. The frame of the draft-door is made to slant outward at the bottom G, so that the weight of the door is sufficient to close itself tight. To the draft-door is hooked or fixed a

chain, I I, passing over pulleys K K, and then extended with a wire to the pulley L, over which the chain is continued to the weight M, which is at the top of the building, to balance the weight of the draft-door. A ring, N, is fixed to the wire in each story for the convenience of handling, and also an index, O S, with a scale upon it to show the amount of opening of the draft-door.

In houses newly built it is my intention to have a partition, P, made in the wall, to inclose the wire, &c., and a small box, with door and an index-gage attached, to obtain access to the ring N. A draft-door sliding up and down may be used instead of the door E.

I claim—

The ash-pit door and draft-door, the chain I I, pulleys K K, and weight M, with the door and index-gage, when combined and constructed substantially as and for the purposes herein described.

ALBERT H. MERSHON.

Witnesses:

GEORGE B. MERSHON,
E. HERGESHEIMER.