

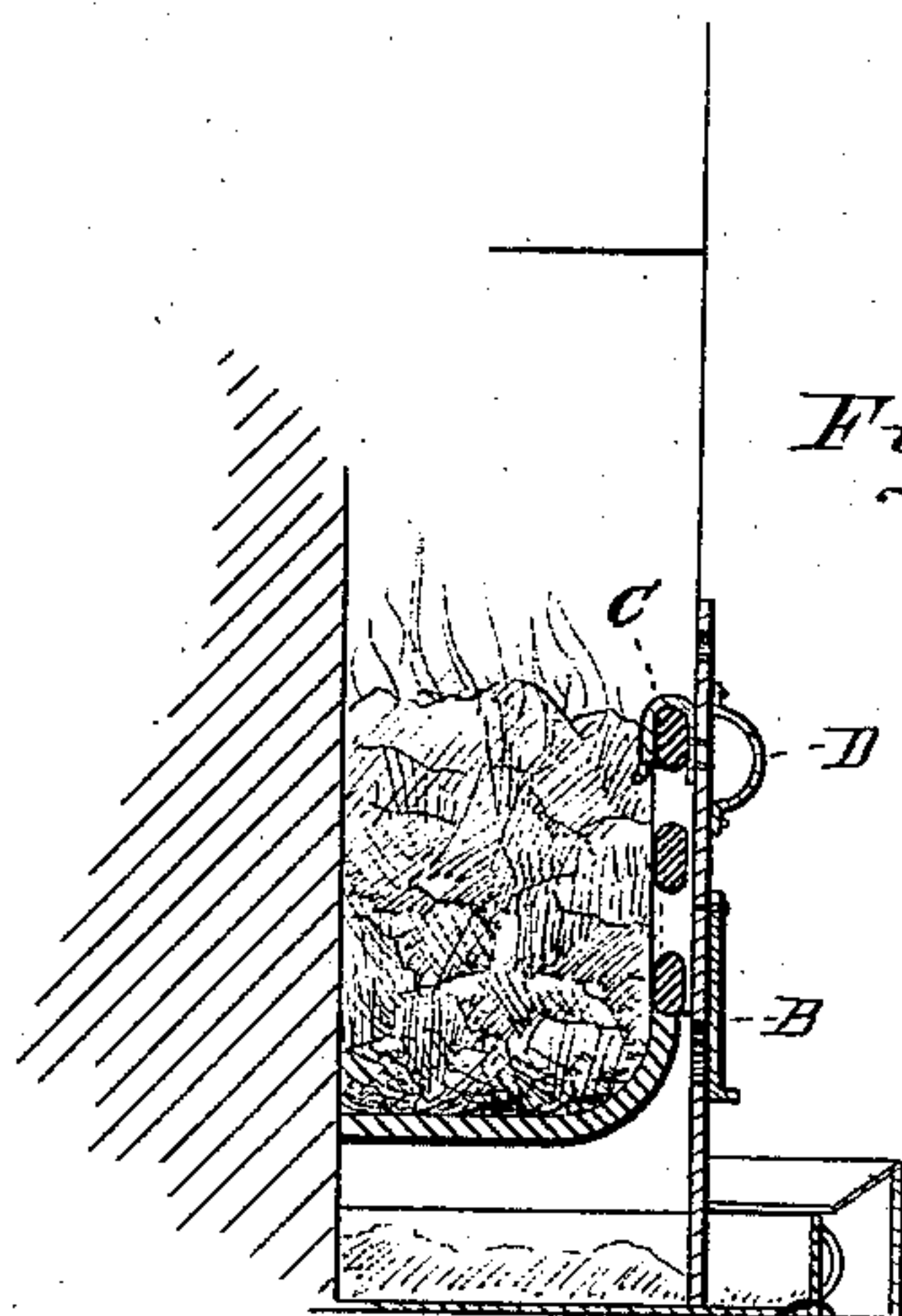
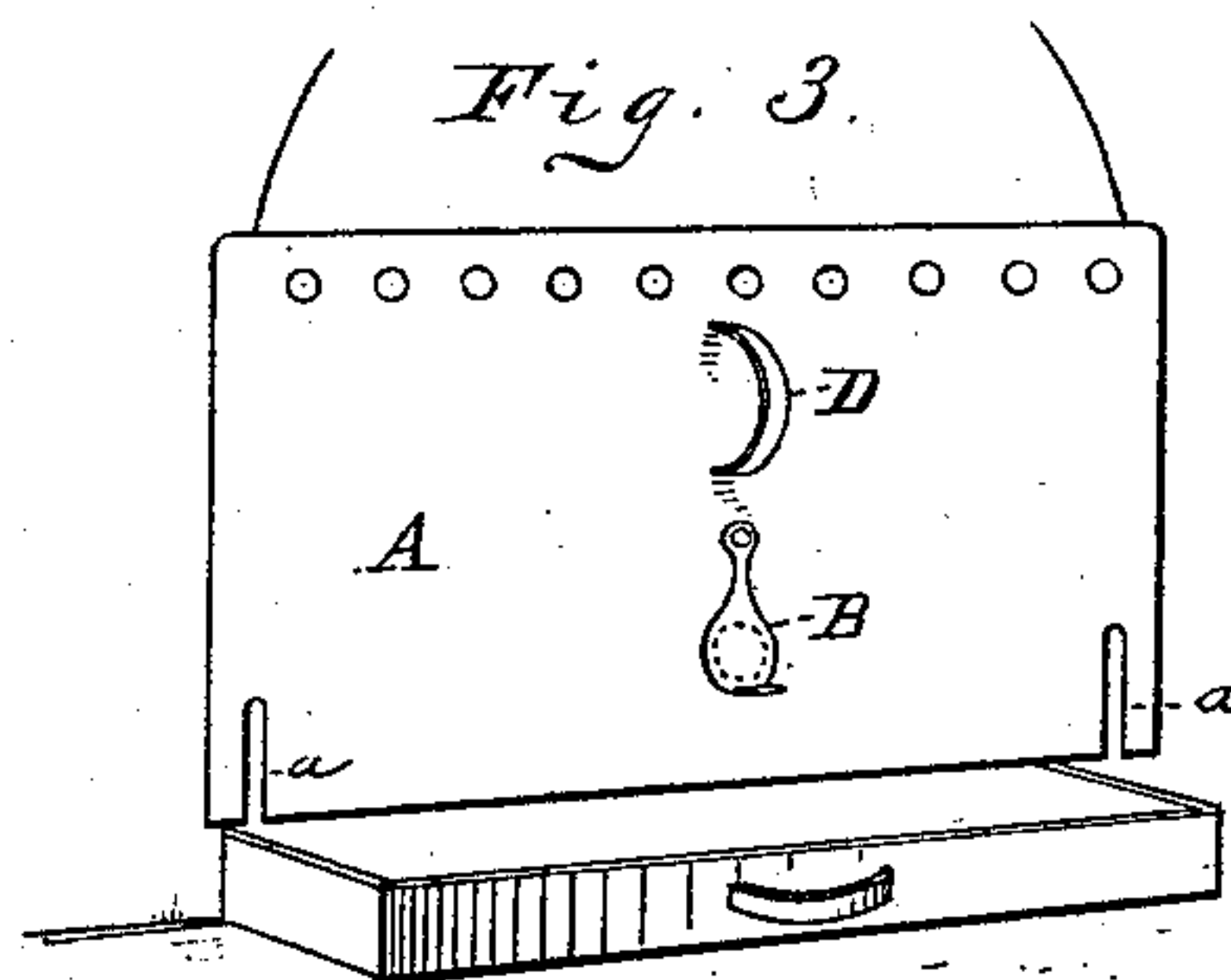
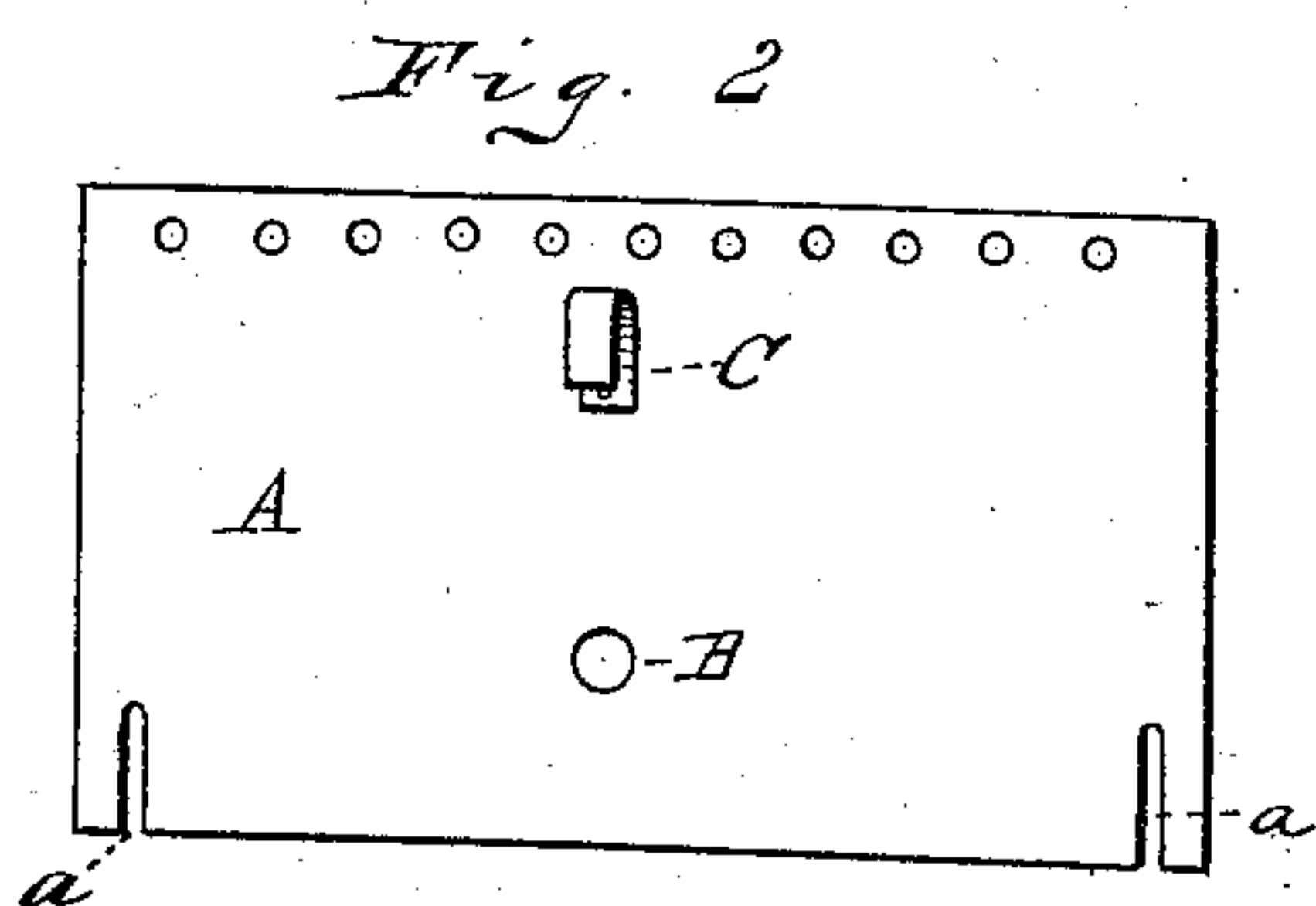
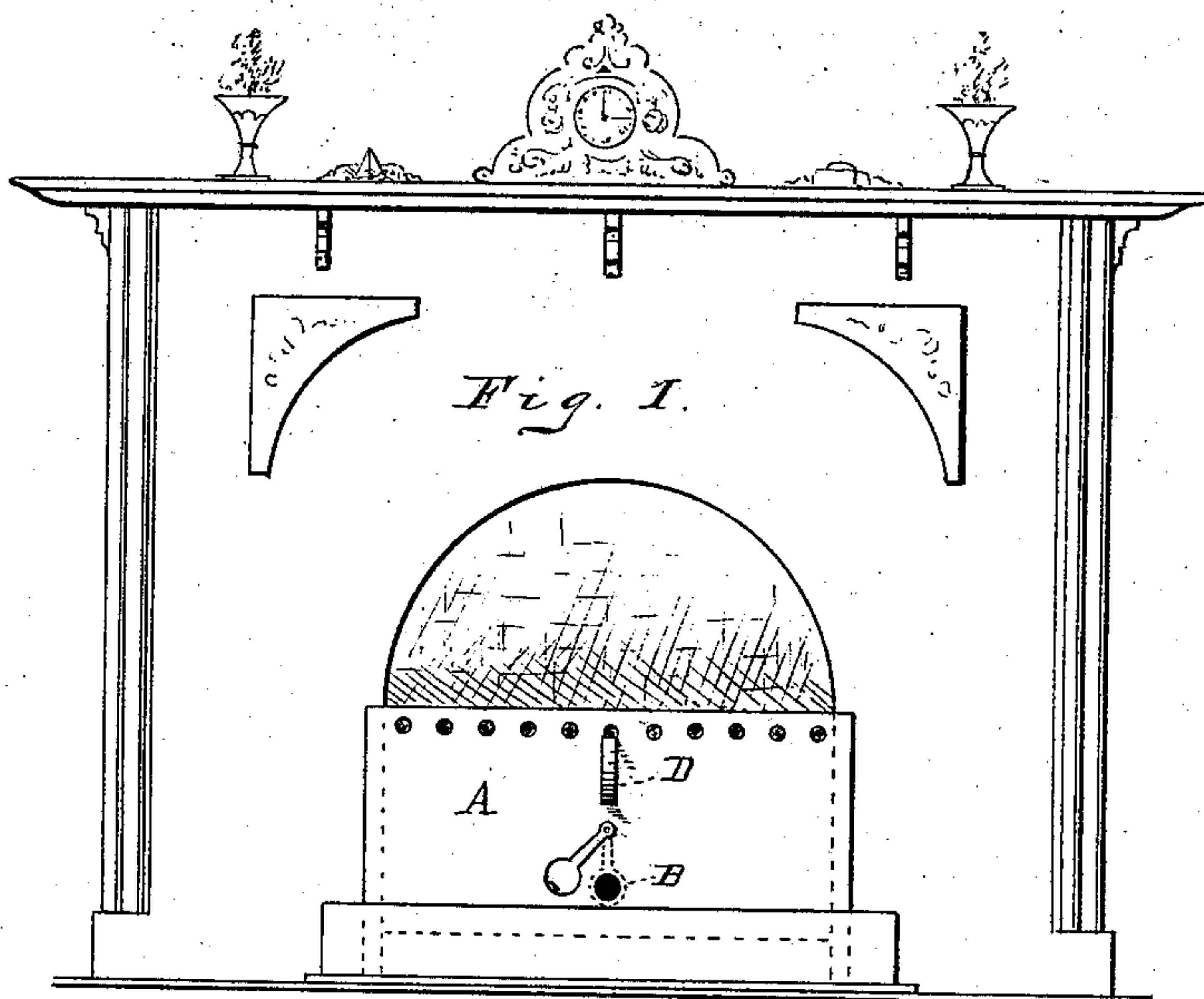
(No Model.)

J. H. DRAKE.

DEVICE FOR CHECKING THE DRAFT IN FIRES.

No. 255,424.

Patented Mar. 28, 1882.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN H. DRAKE, OF WARREN, OHIO.

DEVICE FOR CHECKING THE DRAFT IN FIRES.

SPECIFICATION forming part of Letters Patent No. 255,424, dated March 28, 1882.

Application filed January 16, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. DRAKE, of Warren, in the county of Trumbull and State of Ohio, have invented certain new and useful
5 Improvements in Devices for Checking the Draft in Fire-Places; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains
10 to make and use the same.

My invention relates to a device for checking the draft in a fire-place, also to obviate the necessity of covering the fire with ashes, by means of placing a plate or its equivalent
15 before the grate. This plate is adapted to close the lower portion of the fire-place so as to exclude all air from that direction. It is also arranged that the fire may be regulated by means of a damper that is attached to the
20 fire-check.

Heretofore it has been necessary to allow the fire to burn down so as to decrease the heat in the room, and it was impossible to keep the fire burning any considerable length of time
25 without attending to it.

With my improvement the grate can be filled full of coal and the fire-check connected with the grate, the damper regulated, and a slow fire will be had.

30 Figure 1 represents, in front elevation, a fire-place with my device attached to the grate. Fig. 2 is a rear view of my device, showing the hook by which the plate is connected with the grate. Fig. 3 represents a perspective view
35 of my device in position to be lowered upon the hearth. Fig. 4 is a vertical sectional view, showing one manner of connecting the plate to the grate.

40 A represents the plate, which may be made of any metallic material, and of a form to suit the grate to which it is to be attached. It

may be made of any ornamental character, the face of it being decorated and the top and sides trimmed to suit the taste of the producer.

To allow the plate A to rest upon the base of the fire-place so as to exclude all air from below, slots or depressions *a* may be cut in the plate, so as to avoid any obstruction that may be attached or rest upon the slab. As shown
45 in Fig. 3, the slots *a* are designed to pass over the sides of the ash-pan.

Small draft-openings or dampers B are attached to the plate A to regulate the ingress of the air when the plate is in use. One or
55 more of these dampers may be used.

When it is desirable to have the fire low the plate A is secured to the upper bar of the grate by means of the hook C or its equivalent. The damper B may be opened a trifle,
60 so as to allow a little air to pass in to keep the fire alive.

When it is desired to increase the energy of the fire the plate A may be used as a fender.

A handle, D, is secured to the plate, where-
65 with to grasp the fire-check to remove it from the grate, or vice versa.

What I claim is—

A fire-check adapted for use with grates or other open heaters, consisting of a plate pro-
70 vided with a hook to engage with the grate or heater, a damper, and vertical slots, the latter being adapted to fit over the sides of the ash-pan of the heater, substantially as set forth.

In testimony whereof I have signed my name
75 to this specification in the presence of two subscribing witnesses.

JOHN H. DRAKE.

Witnesses:

WILBER J. DRAKE,
W. ADAMS.