

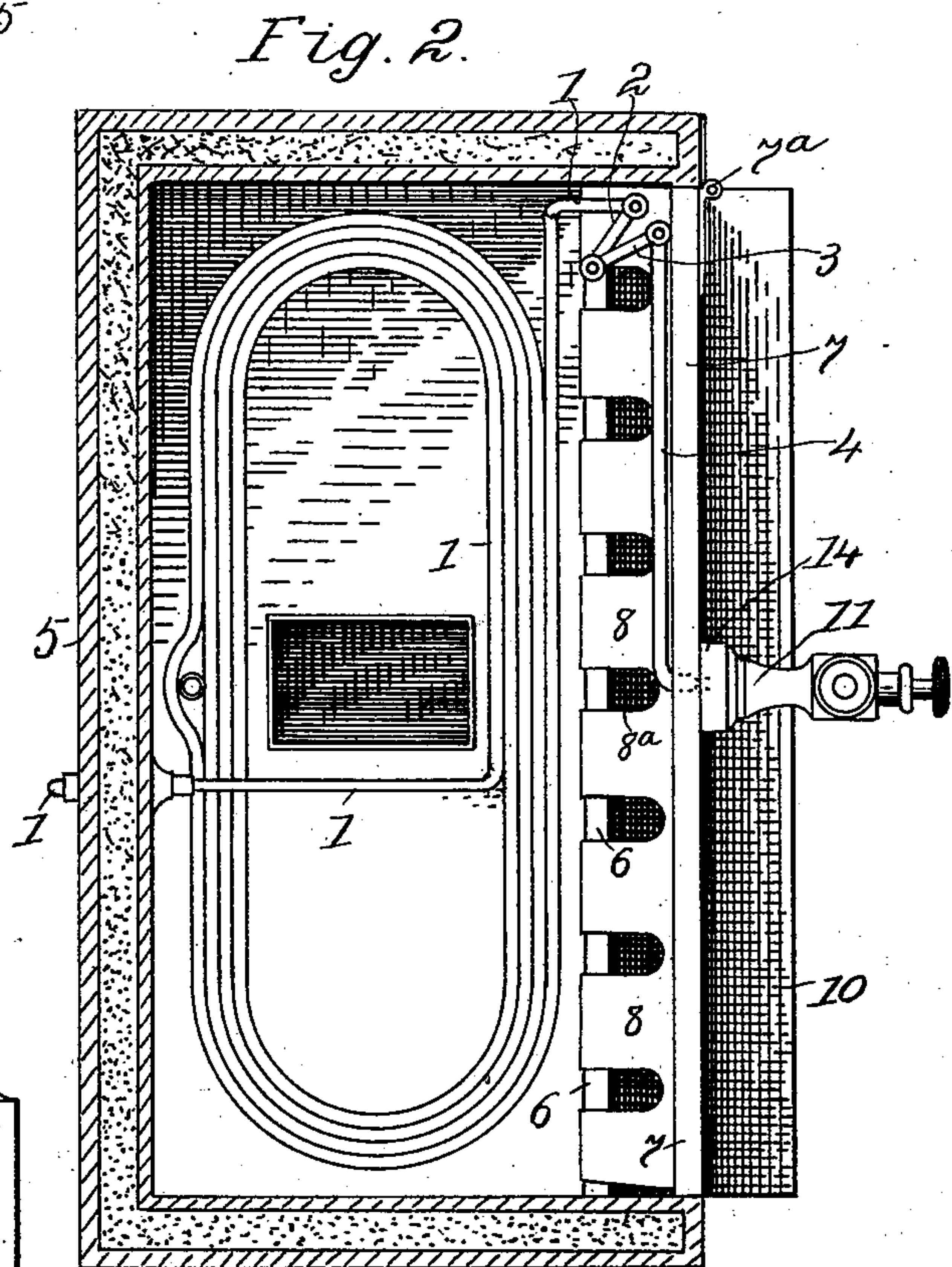
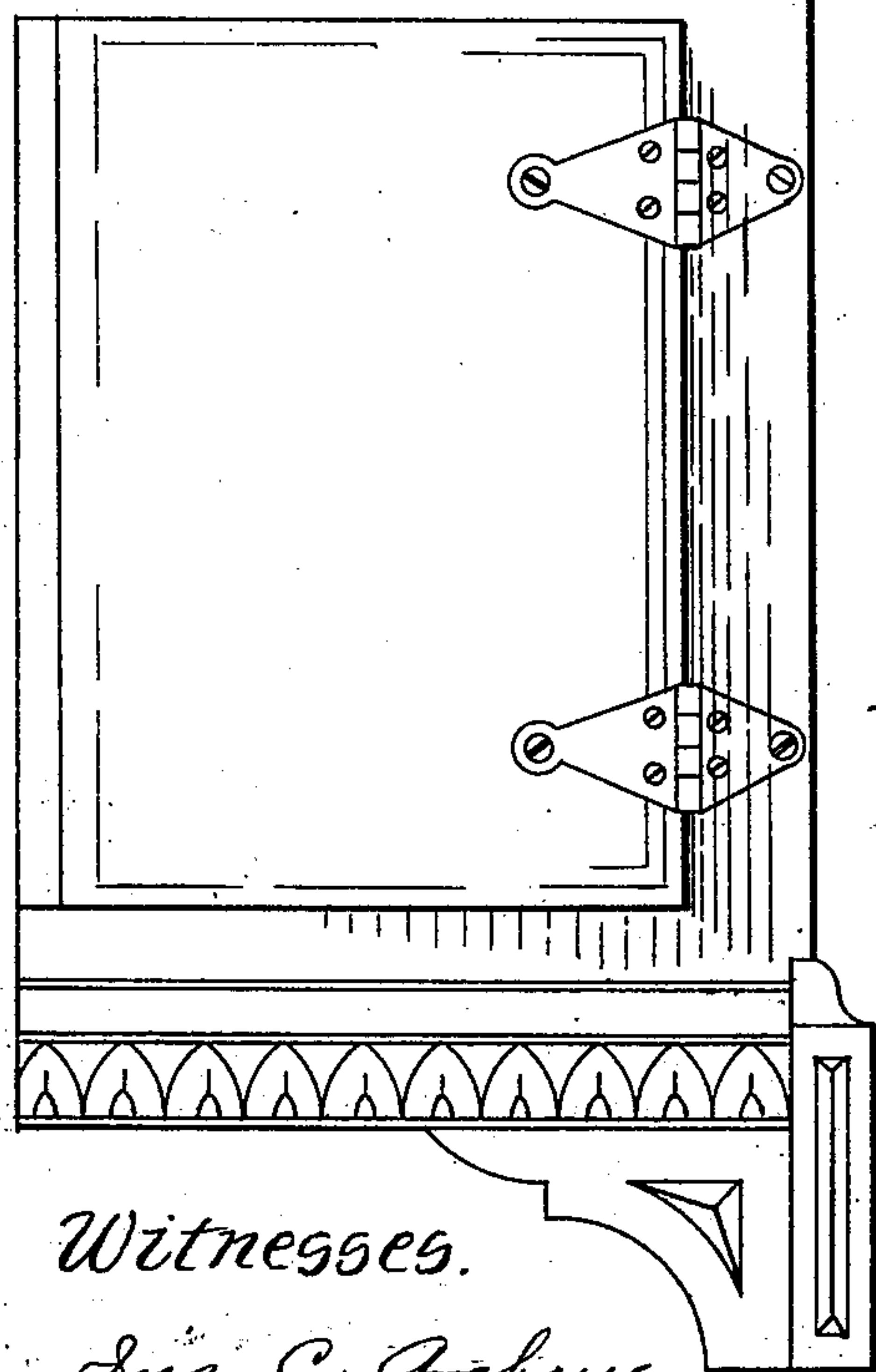
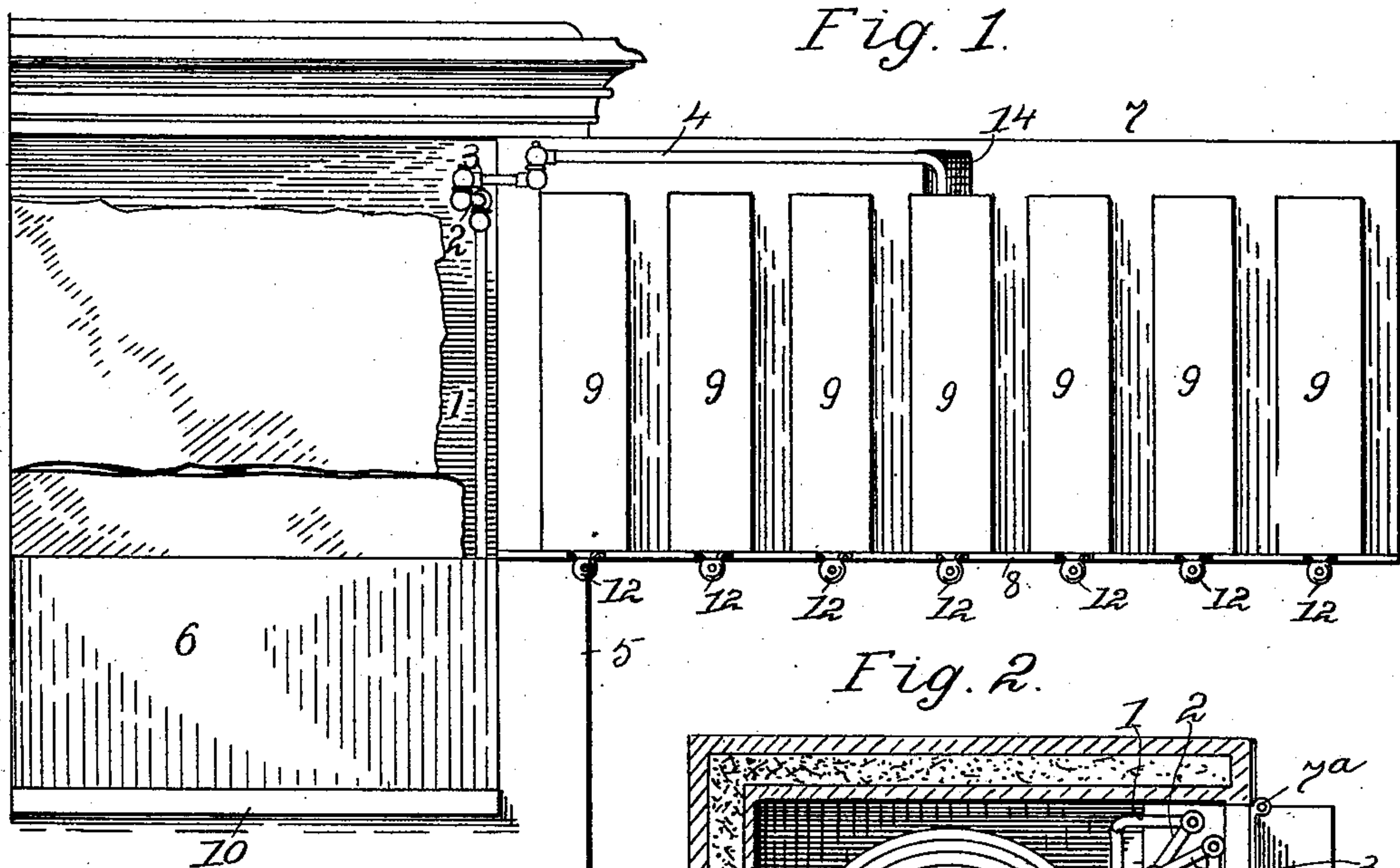
No. 689,626.

Patented Dec. 24, 1901.

C. SMITH.
SODA WATER FOUNTAIN.

(Application filed May 31, 1901.)

(No Model.)



Witnesses.

Ana C. Graham.
Nova Graham.

Fig. 3.

Inventor
Caleb Smith
by S. P. Graham
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UNITED STATES PATENT OFFICE.

CALEB SMITH, OF DECATUR, ILLINOIS, ASSIGNOR TO THE COMBINATION
FOUNTAIN COMPANY, OF DECATUR, ILLINOIS.

SODA-WATER FOUNTAIN.

SPECIFICATION forming part of Letters Patent No. 689,626, dated December 24, 1901.

Application filed May 31, 1901. Serial No. 62,462. (No model.)

To all whom it may concern:

Be it known that I, CALEB SMITH, of the city of Decatur, county of Macon, and State of Illinois, have invented certain new and
5 useful Improvements in Soda-Water Fountains, of which the following is a specification.

This invention provides superior facilities for detaching the syrup-cans from the fountain and for supplying the ice-compartment
10 with ice. It also economizes space in the placing of the syrup-cans and gives ready and complete access to the cans.

The invention is exemplified in the structure hereinafter described, and it is defined
15 in the appended claims.

In the drawings forming part of this specification, Figure 1 is a front elevation of a part of a combined fountain and refrigerator,
20 the ice-box door being swung open to show the arrangement of the cans with relation thereto and to expose the pipes that carry the carbonated water to the draft-head on the door of the ice-box. Fig. 2 is a horizontal
25 section through the ice-box on the line of the upper edge of the ice-box door. Fig. 3 is a detail in section, showing how the syrup-cans are sustained by the door of the ice-box.

The ice-box 5 has in its face a recess extending crosswise of the box, with its lower
30 wall approximately in line with the bottom of the ice-box. The vertical cross-wall of the recess is shown at 6, and such wall terminates well below the upper end of the ice-box. At the bottom of the recess a shelf, as
35 10, preferably projects from the face of the refrigerator-casing. Above the wall 6 of the recess a door 7 is hinged at one of its vertical sides, as shown at 7^a in Fig. 2, and such door
40 is flush with or projecting beyond the front of the ice-box. The door 7 has on its lower edge an inwardly-extending ledge or shelf 8, which forms a support for the syrup-cans, and the shelf is slotted in its inner edge, as
45 shown at 8^a in Fig. 2, to receive the downward-extending faucets 12 of the cans 9. The inner edge of the shelf closes over the upper edge of the wall 6 of the recess, as shown in
Figs. 2 and 3, and the bottoms of the cans
50 close all of slots 8^a not closed by the faucets 12. The faucets are soldered to the bottoms of the cans, and they have valve-handles 13,

that extend in front of the door 7 and are turned upward when not in use, as shown in Fig. 3. When the door 7 is opened, the cans
55 may be readily removed from the shelf by turning the handles of the faucets downward temporarily and then lifting the cans away from the door until the faucets are clear of the slots of the shelf. The cans are placed
60 on the shelf in an obvious manner, and when they are in place and the door closed glasses may be set on shelf 10 in the recess and below the faucets and may be supplied with
65 syrup in the customary manner. All of the ice-box above wall 6 is closed by door 7, and when the door is opened ice is readily supplied to the box through the vertical opening without the labor required to raise the ice
70 above the top of the box.

It is desirable to attach the draft-head 11 for the carbonated or aerated water in the swinging door 7, and to provide for that I run pipe 4 from the draft-head along the upper
75 edge of the door to near the hinge of the door, where I make a flexible connection with the supply-pipe 1. The supply-pipe runs through the ice-box in any manner best calculated to cool its contents, and near the
80 hinge of the door it rises to a position convenient to the end of pipe 4. I prefer to connect pipe 1 with pipe 4 by means of the short pieces of pipe 2 and 3, which are hinged together and hinged one to pipe 1 and the other
85 to pipe 4; but other means may be provided to make the connection flexible, so that the pipe 4 may swing with the door as the door is opened and closed.

To permit the cans to be placed along the shelf without intermission, I groove the door
90 vertically in its inner surface, as shown at 14, and extend the pipe 4 downward in such groove until it reaches the draft-head 11. The horizontal extension of the pipe 4 being
95 above the cans and the vertical extension of the pipe being in the groove in the door, a can may be set in line with the draft-head, as shown.

I claim—

1. In a soda-water fountain, the combination of an ice-box having a horizontally-extended recess in the lower part of its face, a horizontally-swingable door forming the face
100 of the ice-box above the recess, such door be-

ing projected out over the recess and hinged at one of its sides, and a slotted shelf on the inside of the lower edge of the door to support the cans and close the space between the door and the back wall of the recess, substantially as described.

2. In a soda-water fountain, the combination of an ice-box having a horizontally-extended recess in the lower part of the face, a horizontally-swingable door forming the face of the ice-box above the recess, such door being projected out over the recess, a slotted shelf on the lower, inner edge of the door to support the cans and close over the back wall of the recess, a draft-head fixed in the door, a pipe communicating with the draft-head and running near the hinge of the door, and a flexible section in the pipe adjacent to the hinge of the door.

3. In a soda-water fountain, the combination of an ice-box having a horizontally-extended recess in the lower part of its face, a

horizontally-swingable door forming the face of the ice-box above the recess, such door being projected out over the recess, a slotted shelf on the lower, inner edge of the door to sustain the cans and close over the back wall of the recess, a draft-head attached to the front of the door, a pipe running from near the hinge of the door along the upper, inner edge of the door and communicating with the draft-head through a vertical groove in the inner surface of the door, a supply-pipe extending inside the ice-box to near the hinge of the door and a flexible connection between the supply-pipe and the pipe connected with the draft-head, substantially as described.

In testimony whereof I sign my name in the presence of two subscribing witnesses.

CALEB SMITH.

Witnesses:

F. P. HAWARD,
MABELLE SMICK.