

No. 672,254.

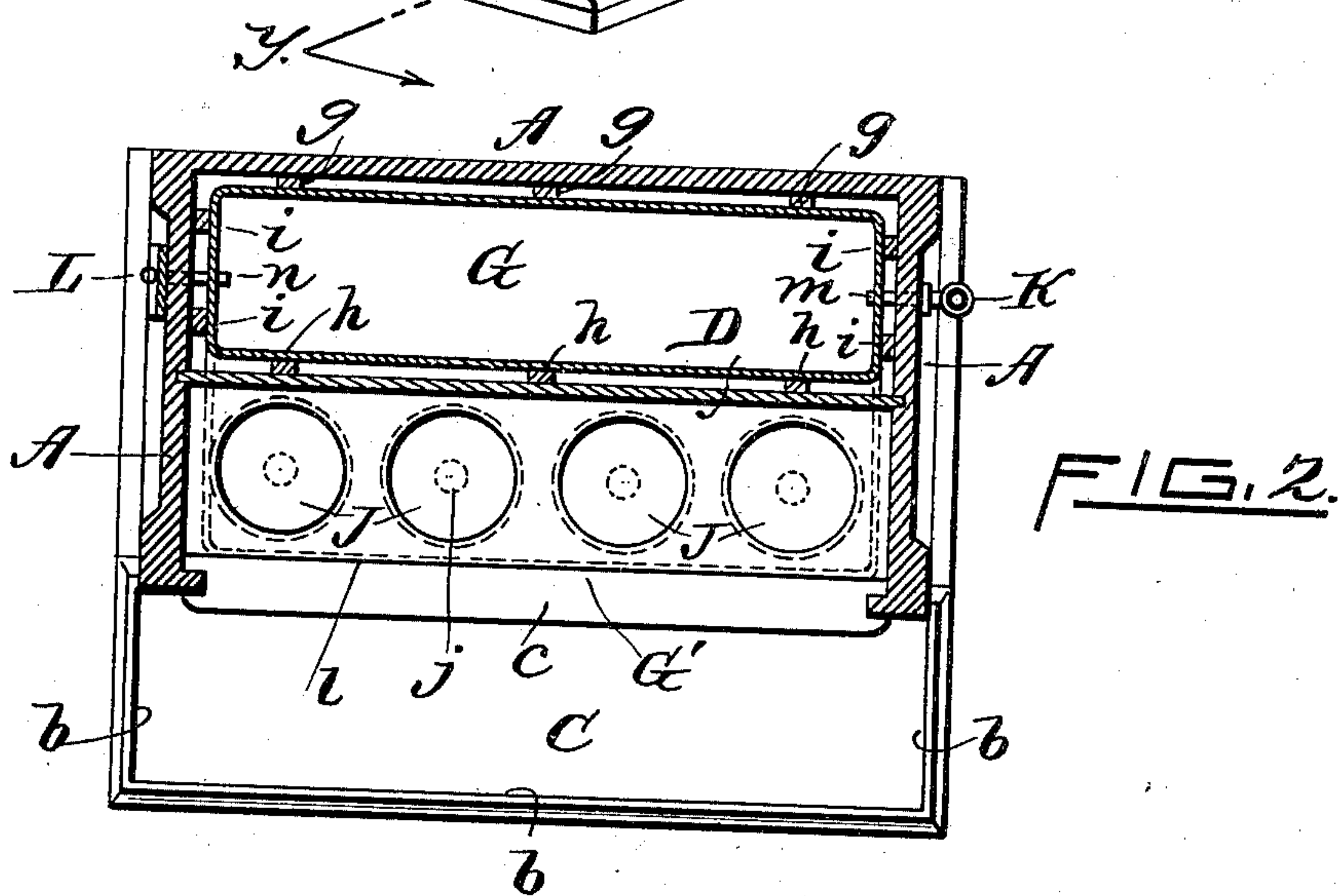
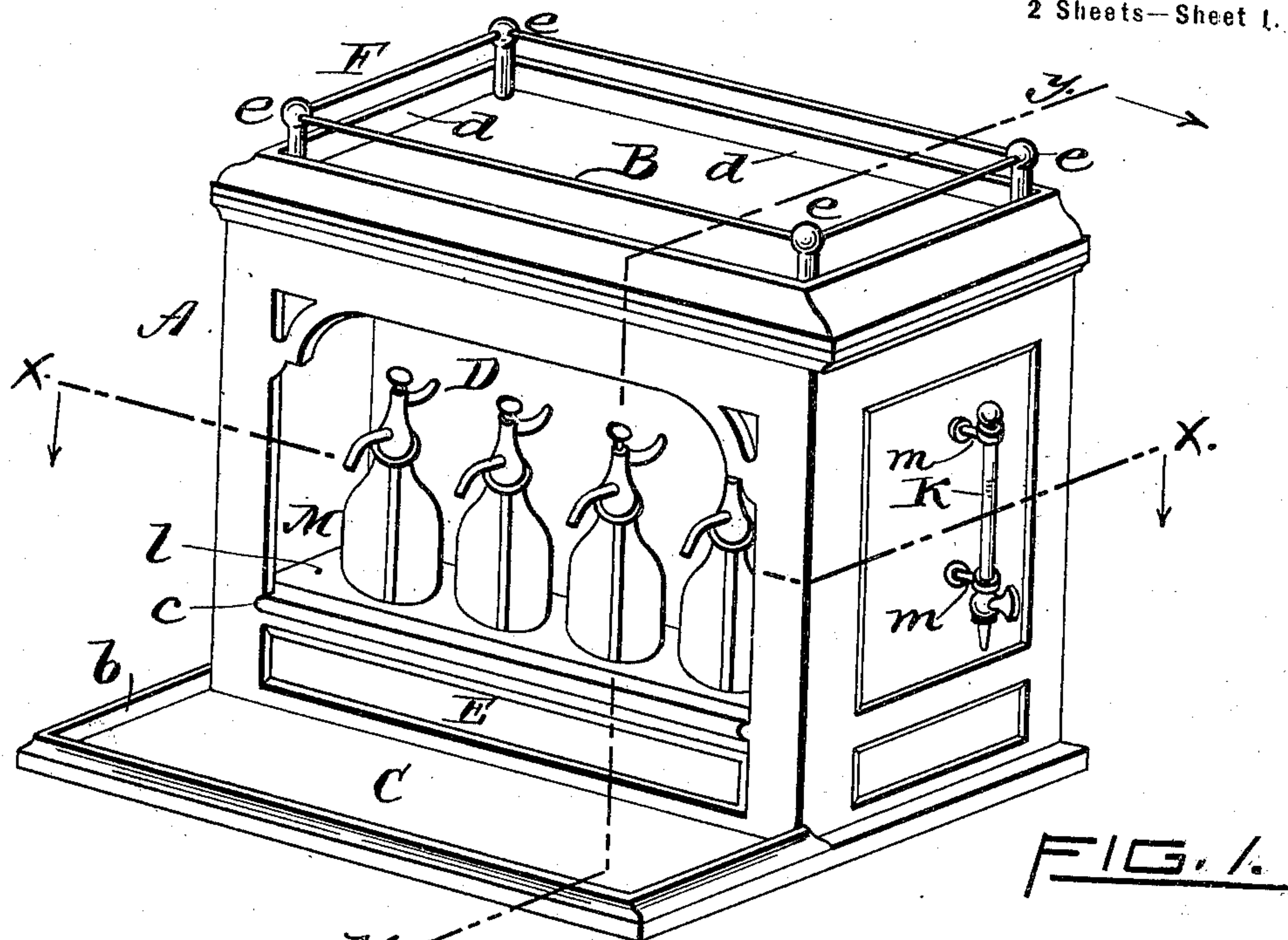
Patented Apr. 16, 1901.

J. W. BAKER.
WATER COOLER.

(No Model.)

(Application filed Feb. 15, 1901.)

2 Sheets—Sheet 1.



WITNESSES.

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INVENTOR.

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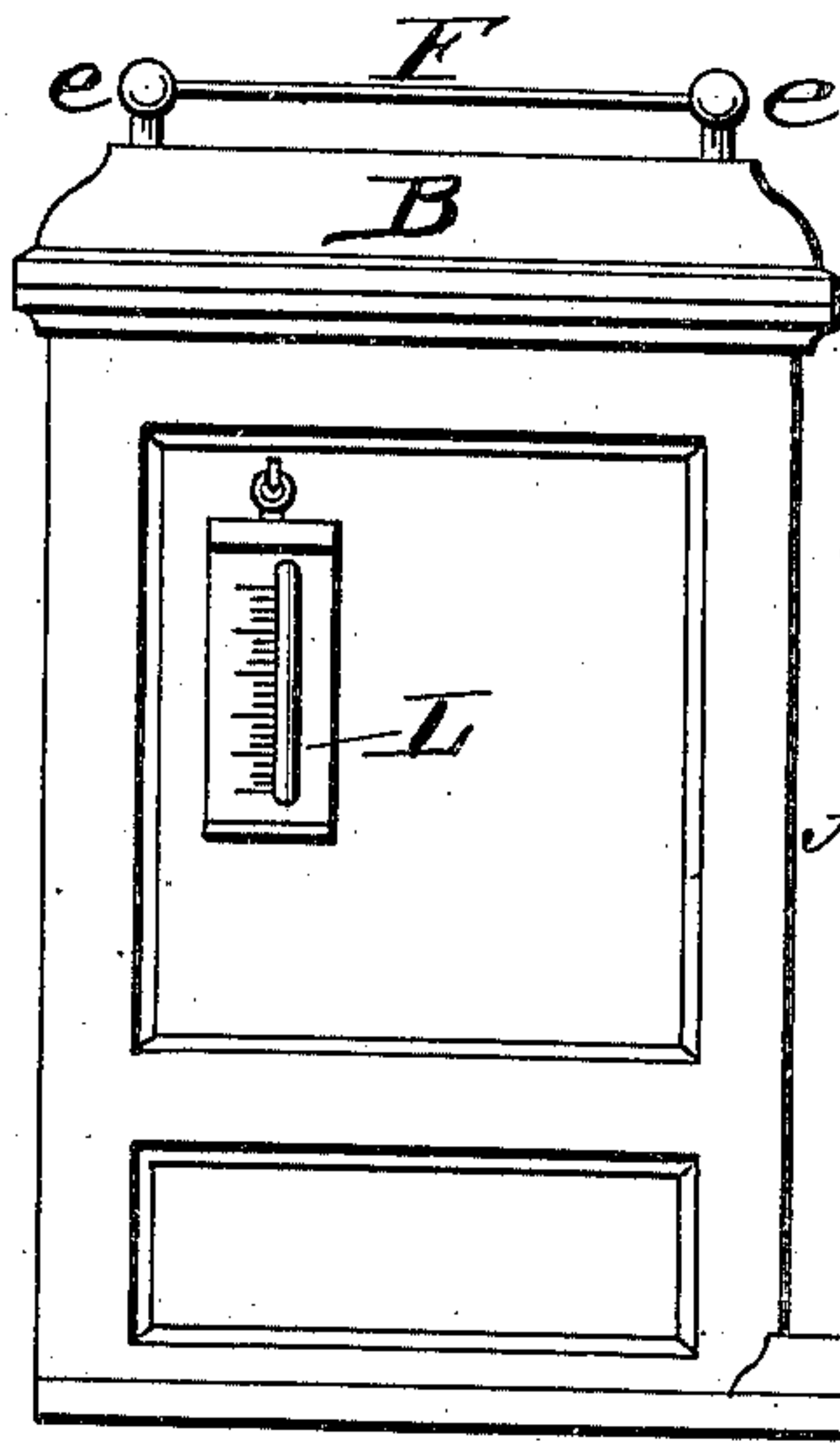


FIG. 3.

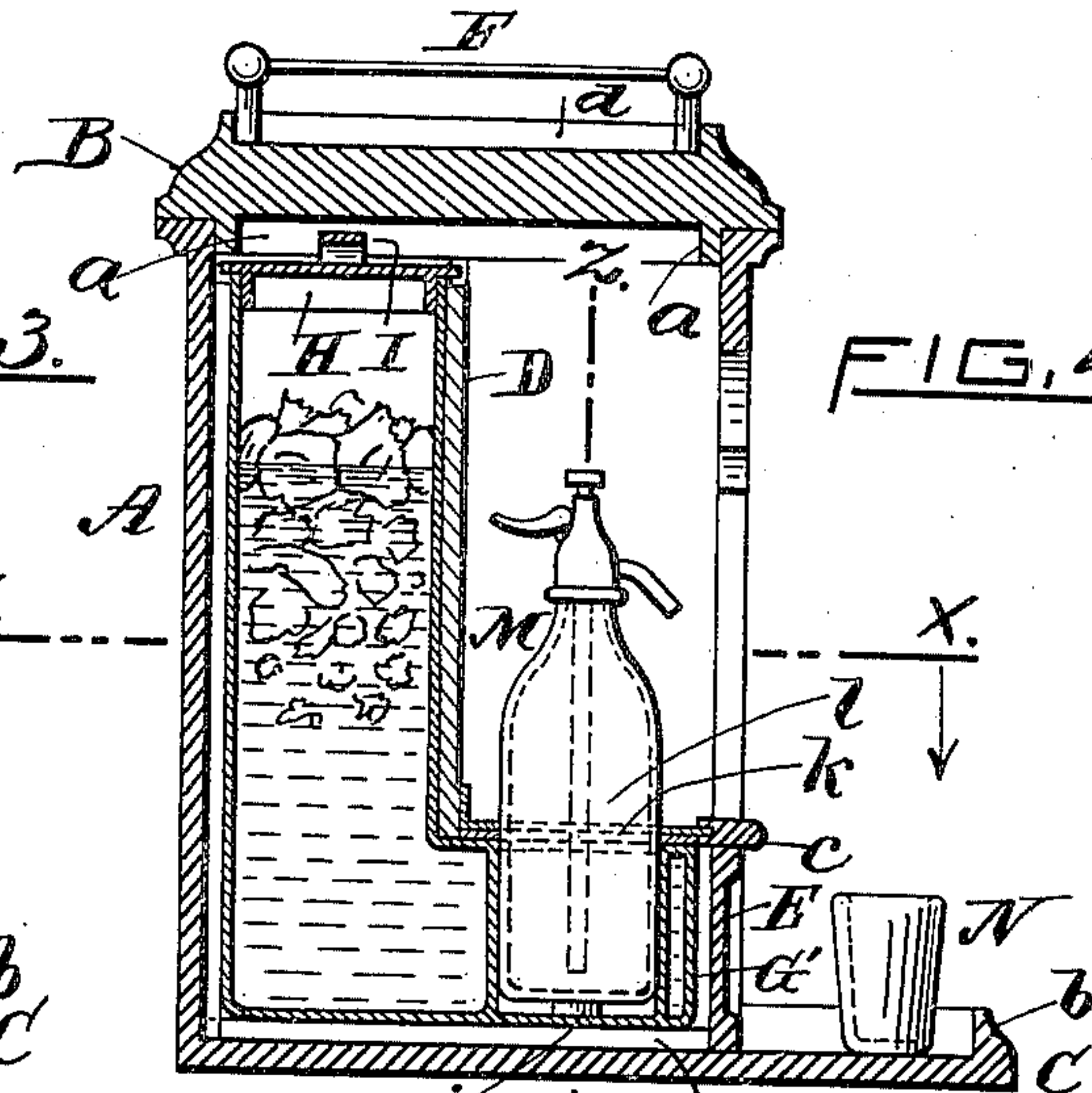


FIG. 4.

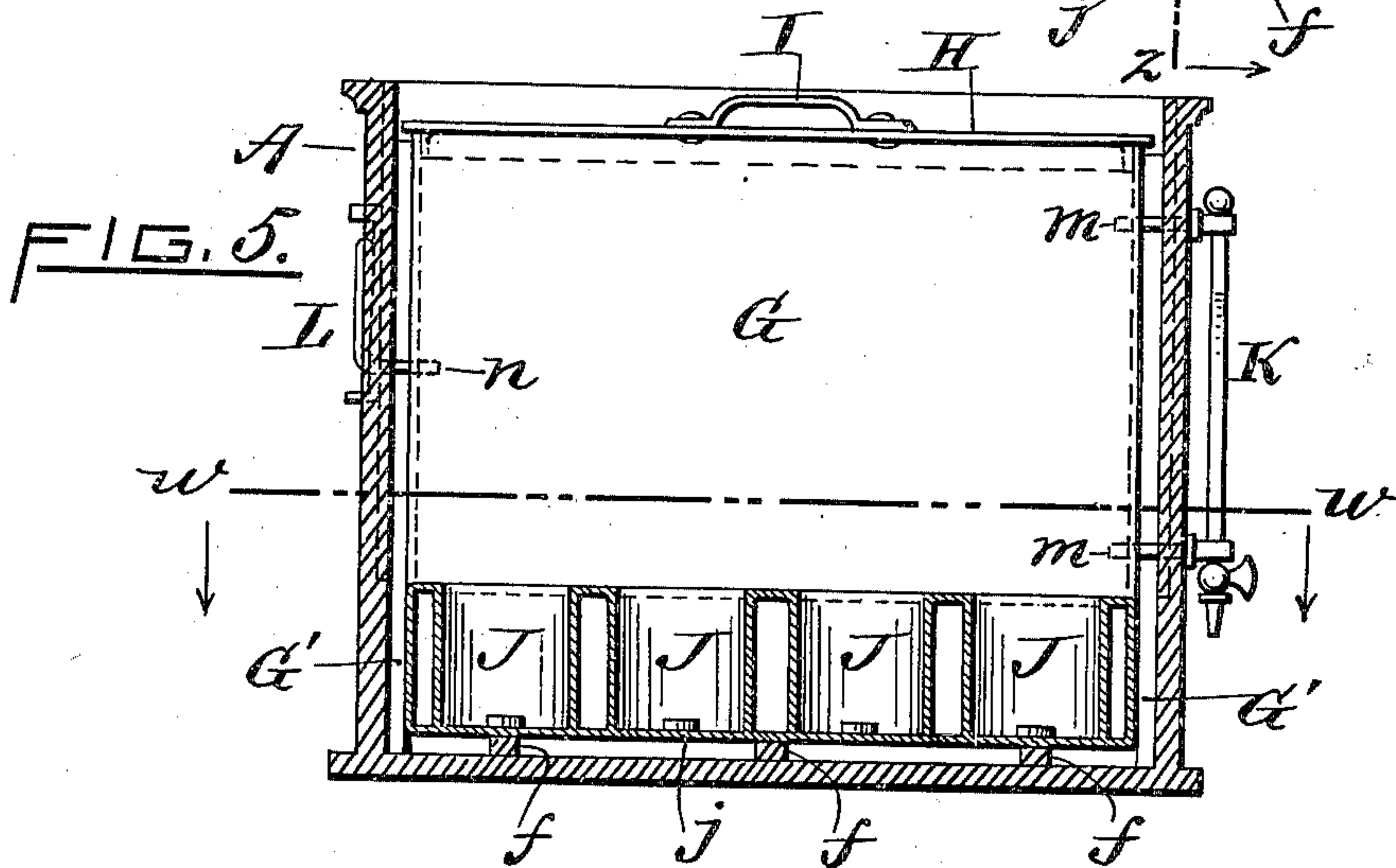
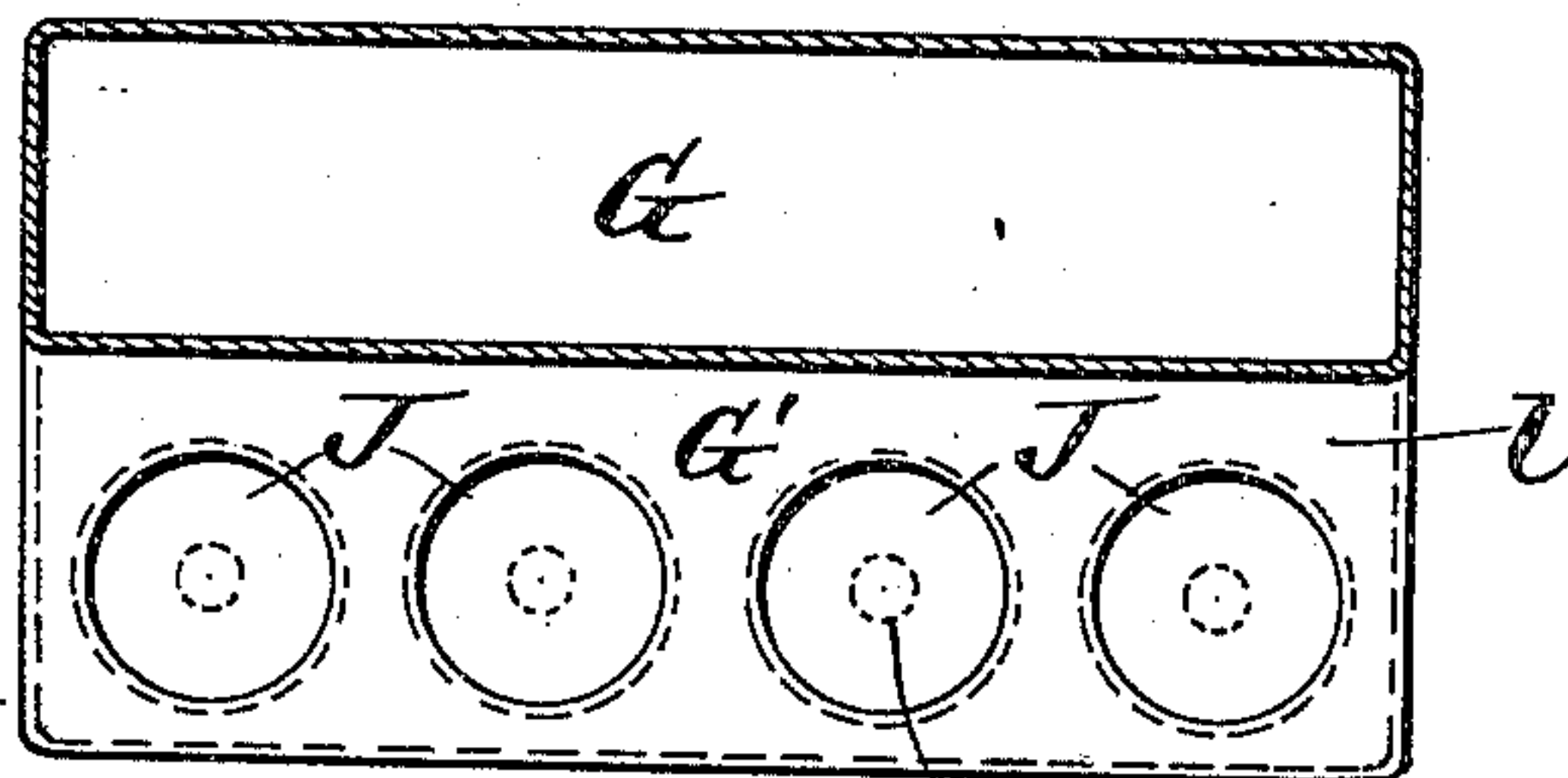


FIG. 5.

FIG. 6.



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UNITED STATES PATENT OFFICE.

JOSEPH W. BAKER, OF PROVIDENCE, RHODE ISLAND.

WATER-COOLER.

SPECIFICATION forming part of Letters Patent No. 672,254, dated April 16, 1901.

Application filed February 15, 1901. Serial No. 47,475. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH W. BAKER, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Water-Coolers, of which the following is a specification, reference being had therein to the accompanying drawings.

10 Like letters indicate like parts.

Figure 1 is a perspective view of my improved water-cooler. Fig. 2 is a sectional view of the same as seen on line *x x* of Figs. 1 and 4. Fig. 3 is a side elevation of said invention. Fig. 4 is a sectional view of the same as seen on line *y y* of Fig. 1. Fig. 5 is a sectional view as seen on line *z z* of Fig. 4. Fig. 6 is a view of the water-tank as seen partly in top plan and partly in section on line *w w* of Fig. 5.

20 My invention relates to water-coolers; and it consists of the novel construction and combination of the several elements hereinafter particularly described, and as specifically set forth in the claim.

In the drawings, A represents a case, of wood or other suitable material, having an open front, as seen in Figs. 1 and 4.

30 B is a cover fitting in and upon the top of the case by means of the flange *a*, and C is a shelf projecting from the bottom in front and provided with a ledge *b* upon the three sides thereof, as shown.

The two sides of the case A are vertically grooved, as seen in Fig. 2, and a sliding partition B is inserted in the grooves.

E is the front panel of the case A, extending up from the shelf C, and *c* is a horizontal ledge along and upon the panel E.

40 On the four sides of the cover B is a ledge *d*, and a railing F is mounted on and extends between the posts *e*, which are inserted in the four corners of said cover.

45 G is a tank for water and ice, having a lower forward extension *G'*. It is made of zinc or other suitable material. It rests on its bottom upon the cleats *f* and is separated from the back of the case by the cleats *g* and from the vertical partition D by the cleats *h* and from the sides of the case by the cleats *i*. The top of the tank G has a cover H, which is lifted by the handle I. In the forward ex-

tension *G'* of the tank are tubular sockets or cups J, which are separated from each other by a certain space, as shown in the drawings. 55 In the bottom of each cup or socket is a block *j*.

On the top of the extension *G'* of the tank is a mat or layer *k* of felt or other suitable material, and upon that is a sheet *l* of zinc or other material. Said mat and zinc sheet are made with circular apertures of a diameter equal to that of the cups or sockets J. 60

K is a water glass or gage and is connected with the tank G by the pipes *m m*, extending through one side of the case A, as seen in Figs. 1, 2, and 5. On the opposite side of the case is a thermometer L, connected with the tank G by the pipe *n*, as seen in Figs. 2, 3, and 5. 65

Siphon-bottles M are placed in the sockets J and rest on the blocks *j* in the bottoms thereof, respectively. The shelf C serves to support the glass or tumbler N. 70

By removing the cover B of the case A and the cover H of the tank G water can be poured into the tank and ice can be placed therein. The height of the water in the tank is indicated by the water glass or gage K and the temperature of the water is indicated by the thermometer L. The water fills the lower part of the tank G and also the forward extension *G'* of said tank and occupies the space between the cups J. By reason of the cleats *f g h i* an air-space is formed between the tank G *G'* and the sides and bottom of the case A. 75 The felt mat *k* serves as a non-conducting layer, so that the temperature of the water is maintained notwithstanding the exposure of the zinc sheet *l* to the external atmosphere. 80

Instead of having the cleats *h* between the partition D and tank G to form an air-space, as shown in Fig. 2, said cleats may be omitted, as shown in Fig. 4. 85

By this device a cheap, portable, and useful cabinet is provided, which when fitted with siphons of carbonated water serves the purposes of a soda-fountain for dispensing summer drinks. The bottles of flavoring-syrups are placed upon the top of the cover B within the rails F, and the tumbler N rests upon the shelf C, while the carbonated water is discharged from the siphon M in the usual manner. Instead, however, of having the carbonated water in bottles M it may be con- 95 100

tained in tanks, as usual, and a coil of pipe in the water-tank G will serve to cool the same; but such a modification would be within the scope of my invention.

5 I claim as a novel and useful invention and desire to secure by Letters Patent—

The improved water-cooler herein described, consisting of an upright tank, and a horizontal tank extending therefrom and continuous with the same at the bottom, cups in
10 said horizontal tank separated from each other by a certain space, a top plate covering said horizontal tank and having circular apertures registering with the cups, respectively, a case

covering said perpendicular tank on the top, 15 bottom and sides and also covering said horizontal tank on the front, bottom and sides, together with a panel or plate mounted in front of the perpendicular tank in grooves in the sides of the case and movable in said 20 grooves, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH W. BAKER.

Witnesses:

WARREN R. PERCE,
JOSEPH R. BULLOCK, Jr.