

(No Model.)

S. VAN HENNIK.

APPARATUS FOR MAKING AND DISPENSING LEMONADE.

No. 327,418.

Patented Sept. 29, 1885.

Fig. 1.

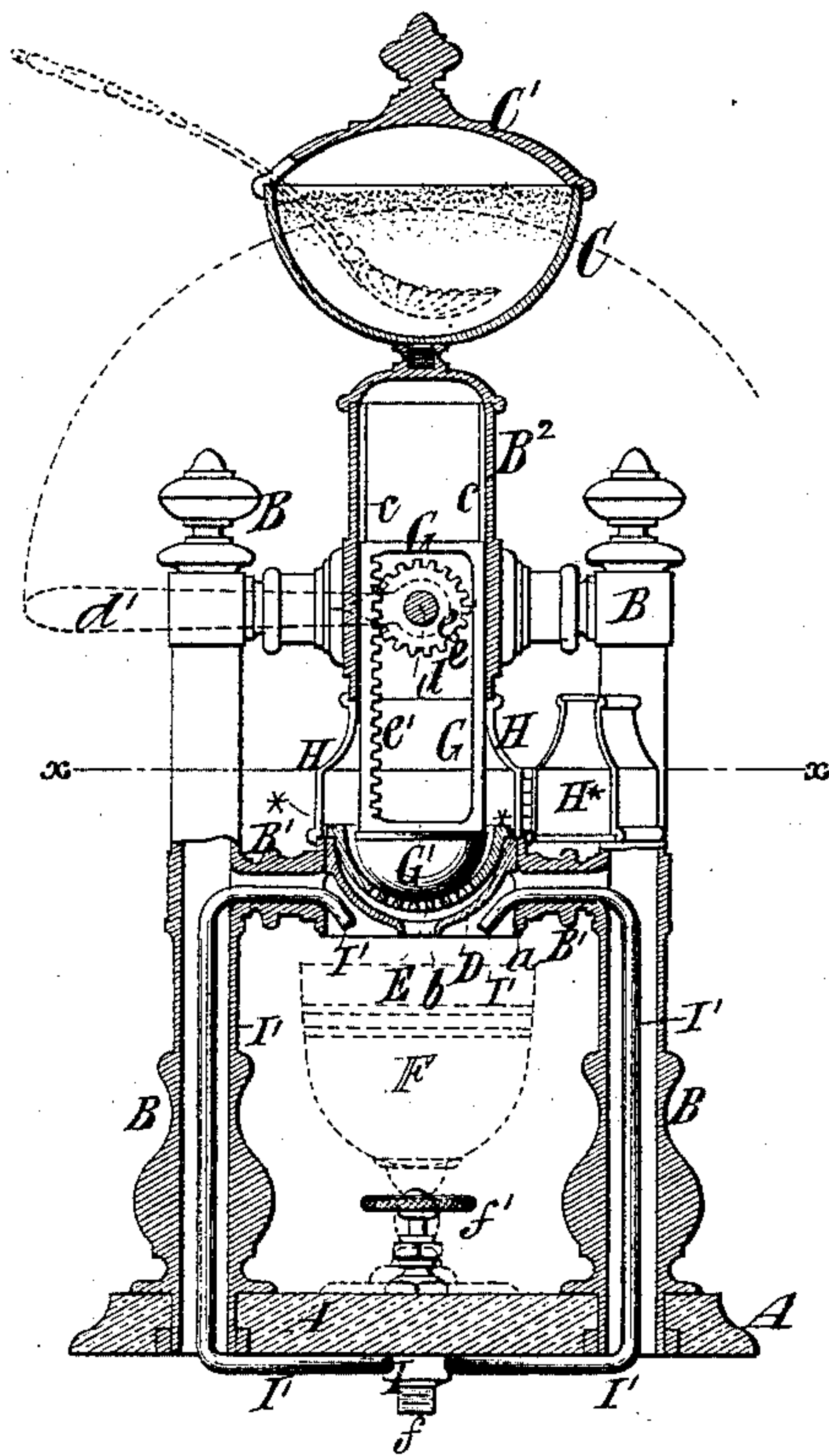


Fig. 2.

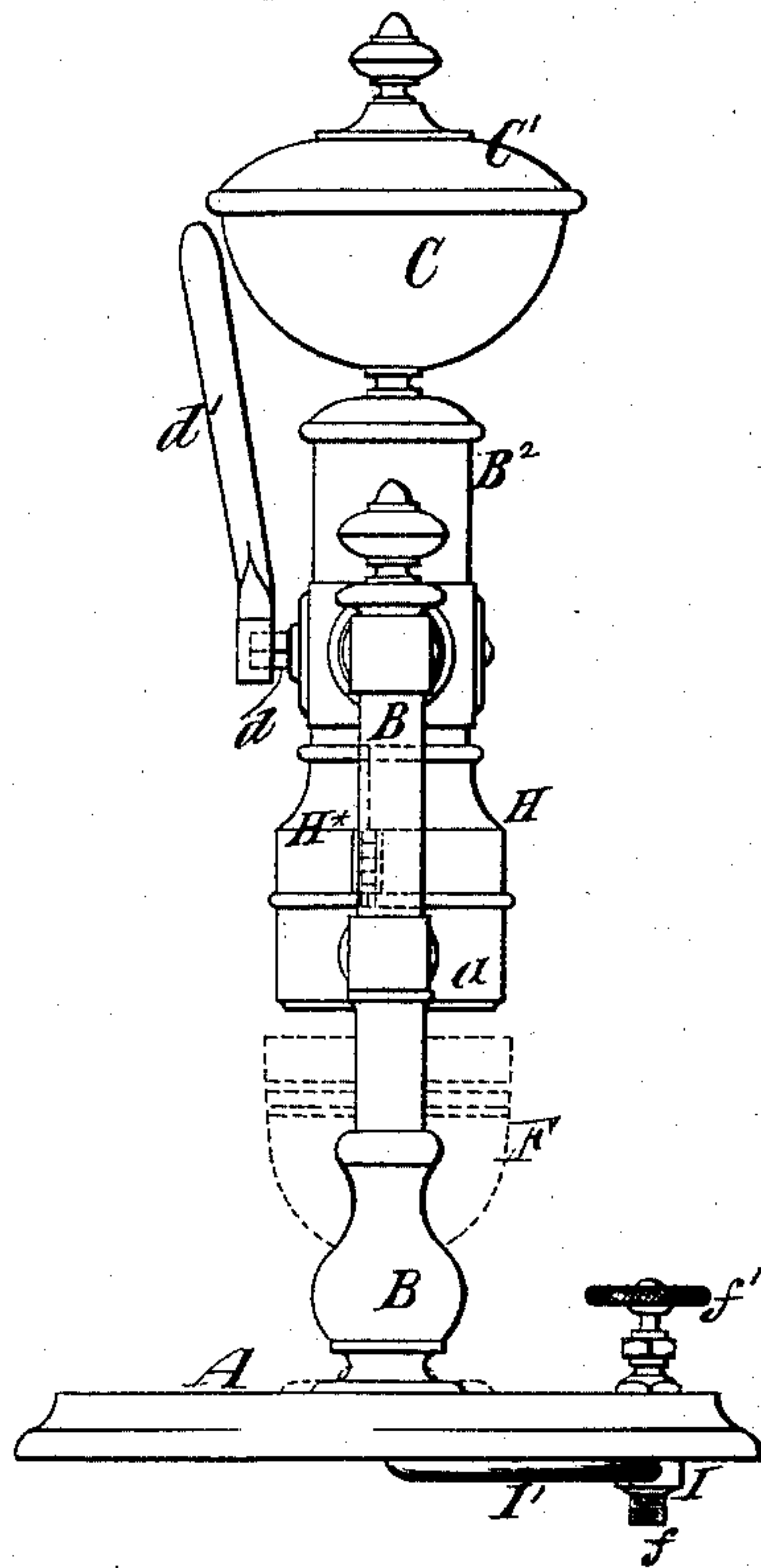
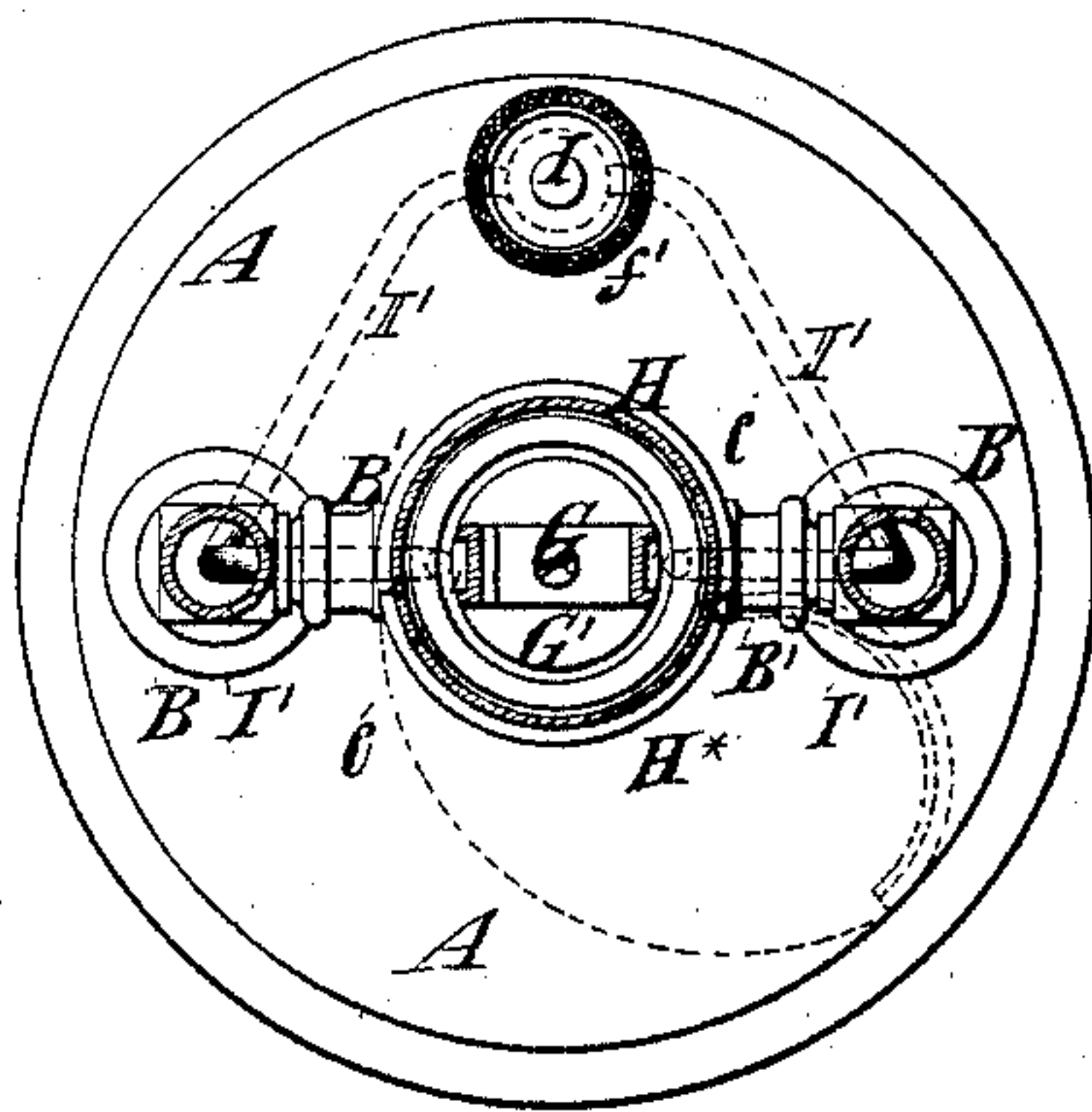


Fig. 3.



Witnesses:-

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APPARATUS FOR MAKING AND DISPENSING LEMONADE.

SPECIFICATION forming part of Letters Patent No. 327,418, dated September 29, 1885.

Application filed October 14, 1884. (No model.)

To all whom it may concern:

Be it known that I, SEBASTIAN VAN HENNIK, of Yonkers, in the county of Westchester and State of New York, have invented a new and useful Improvement in Apparatus for Making and Dispensing Lemonade, of which the following is a specification.

Although my apparatus is intended more particularly for making and dispensing lemonade, it may be additionally employed in dispensing soda-water and other liquids, the principal object being to provide an apparatus by which a glass of lemonade may be made and thoroughly mixed in the glass from which it is to be drunk without slopping or waste and in a cleanly and attractive manner.

In order to enable my invention to be more readily understood, I will first briefly describe an apparatus in which all features of the invention are combined.

The apparatus consists, essentially, of a frame erected upon a base-piece or slab, or upon a marble or other counter, and comprising uprights or posts between which is supported a concentrator and bed on which a half lemon may be subjected to pressure by a plunger or presser arranged above and also contained in the frame. The bed of the squeezer is surmounted by a petticoat or guard having a hinged or otherwise movable apron or portion, which may be swung outward or removed when a lemon is to be placed in the squeezer and afterward replaced so as to completely confine or inclose the lemon or half lemon and prevent the juice from spouting out. The frame of the apparatus also, preferably, supports a sugar-bowl at its top, and I arrange a water conduit or conduits to deliver water at or near the point of delivery of the lemon-juice. The uprights or supports may be made hollow, and form or contain within them the water-conduits.

When a glass of lemonade is to be made, sugar is placed in the glass and the latter is placed under the concentrator, after which the necessary amount of lemon-juice is squeezed into the glass, and finally the water is turned on and discharged in a jet or jets into the glass, thereby thoroughly mixing the ingredients together and filling the glass.

The invention consists in novel combina-

tions of parts, hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a partly sectional elevation of an apparatus embodying my invention. Fig. 2 is a side elevation thereof; and Fig. 3 a horizontal section on the dotted line *x x* of Fig. 1.

Similar letters of references designate corresponding parts in the several figures.

A designates the slab, which, in this example of the apparatus, constitutes the base. This may be placed upon the counter or other support, or the marble or other counter may itself serve as the base. Upon the base A are erected two uprights or posts, B B, which are connected by a cross-bar or portion, B', and support between them, near their upper ends, a casing or hollow-cylindrical frame-portion, B². Upon the casing or frame portion B² is, or may be, supported a sugar-bowl, C, having a cover, C'.

In the cross portion B' of the frame is a central socket or cavity, *a*, in which is a concentrator, D, having a central outlet, *b*. This concentrator is approximately a hemisphere, and may be supported in the socket or cavity *a*. In the concentrator D is placed the bed E of the lemon-squeezer, which, as shown, is formed with a flange, *, whereby it is supported upon the upper edge of the concentrator, and the bed is perforated to permit the juice to pass into the concentrator and thence into the glass F placed beneath.

In the hollow central portion, B², of the frame are formed diametrically-opposite guides *c*, to which is fitted a plunger, G, of skeleton or open construction, which has at the lower end an attached presser, G', for acting upon a lemon or half lemon in the bed E. The plunger G has parallel portions or bars which fit the guides *c*.

The concentrator D, the bed E, and the presser G' may be advantageously made of glass, porcelain, or other non-corrosive material, and then these parts will not be acted upon and destroyed by the acid, nor will the quality of the acid be impaired. Any one or all of these parts may be made of non-corrosive material.

In the hollow central portion, B², of the frame is mounted a transverse shaft, *d*, provided at

the outer end with a handle, d' , for turning it, and provided within the portion B^2 with a pinion, e , which engages with a rack, e' , formed on one side portion of the plunger G , and hence by turning the pinion the plunger and presser will be forced down to exert pressure on the lemon, or raised after operation.

As seen in Fig. 1, the hollow frame portion B^2 is separated by a considerable space from the bed E , and to prevent the lemon-juice from spurting outward I close this space by a petticoat or guard, H , which is circular in form and comprises a removable or hinged portion, H^* , which may be moved or swung outward, as shown by dotted lines in Fig. 3, and by full lines in Fig. 1, to permit of placing a half lemon on the bed or removing the rind therefrom after pressure.

I designate a supply-cock to which a water-supply pipe may be connected at f and the handle f' , of which is above the base A . From the cock I one or more water conduits or pipes, I' , (I have shown two,) extend upward and are arranged to deliver streams at or near the outlet b of the concentrator. I have shown the posts B and the cross-piece B' as hollow, and the pipes or conduits I' are contained within them and concealed from view.

In making a glass of lemonade the glass F with the sugar in it is placed below the concentrator; the lemon-juice is squeezed into it, and the water is turned on and discharged into the glass in jets or streams, thereby dissolving the sugar and thoroughly mixing the ingredients, and the glass is then filled, thus making the lemonade in a cleanly and attractive manner and without slopping or waste.

The frame of the apparatus might be constructed otherwise than as shown, and instead of two conduits I' , one only might be used. The conduits, instead of extending through the hollow posts, might be attached outside them, or otherwise arranged to deliver the water into the glass F . I may also arrange other pipes in or on the frame of the apparatus, and, in addition to its use in making lemonade, the apparatus might serve for dispensing root-beer, soda-water, and other liquids.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination, with a fixed lemon-squeezer, of a pipe or conduit arranged to deliver water at or near the point of delivery of

the lemon-juice, whereby a glass placed below the squeezer will receive both the lemon-juice and the water for mixing therewith, substantially as herein described.

2. The combination, with the frame having a sugar-bowl at the top, of a lemon-squeezer supported by said frame, the presser of which is movable in said frame, and a pipe or conduit arranged to deliver water at or near the point of the delivery of the lemon-juice, substantially as herein described.

3. The combination, with a lemon-squeezer and a hollow support therefor, of a pipe or conduit in the hollow support for delivering water at or near the point of delivery of the lemon-juice, substantially as herein described.

4. The combination, with a lemon-squeezer and a support for the same, of pipes or conduits arranged to discharge jets of water from different directions into a glass placed below the lemon-squeezer for mixing the ingredients therein, substantially as herein described.

5. The combination, with hollow posts or uprights and a lemon-squeezer supported between and by them, of pipes or conduits in said posts or uprights for discharging water at or near the point of delivery of the lemon-juice, and a single valve controlling the discharge of water from said pipes or conduits, substantially as herein described.

6. The combination, with the frame portion B' and the hollow frame portion B^2 , extending upward therefrom, of a plunger, G , movable in the frame portion B^2 and having an attached presser, G' , a concentrator and bed, D E , supported by the frame portion B' , and the petticoat or guard H , extending from the frame portion B^2 downward to the concentrator and having a movable portion or apron, H^* , substantially as herein described.

7. The combination, with the bed of a lemon-squeezer and a skeleton plunger, G , comprising parallel portions, on the inner side of one of which is a rack, e' , and having an attached presser, of a support for the bed and guides above the bed for the plunger and a shaft extending through the plunger and provided with a pinion, e , arranged between the parallel portions of the plunger and engaging with the rack e' , substantially as herein described.

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Witnesses:

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