No. 608,501. Patented Aug. 2, 1898.

E. WOLF.

VESSEL FOR DISPENSING LIQUIDS.

(Application filed Feb. 15, 1898.)

(No Model.)

Fig. 1.

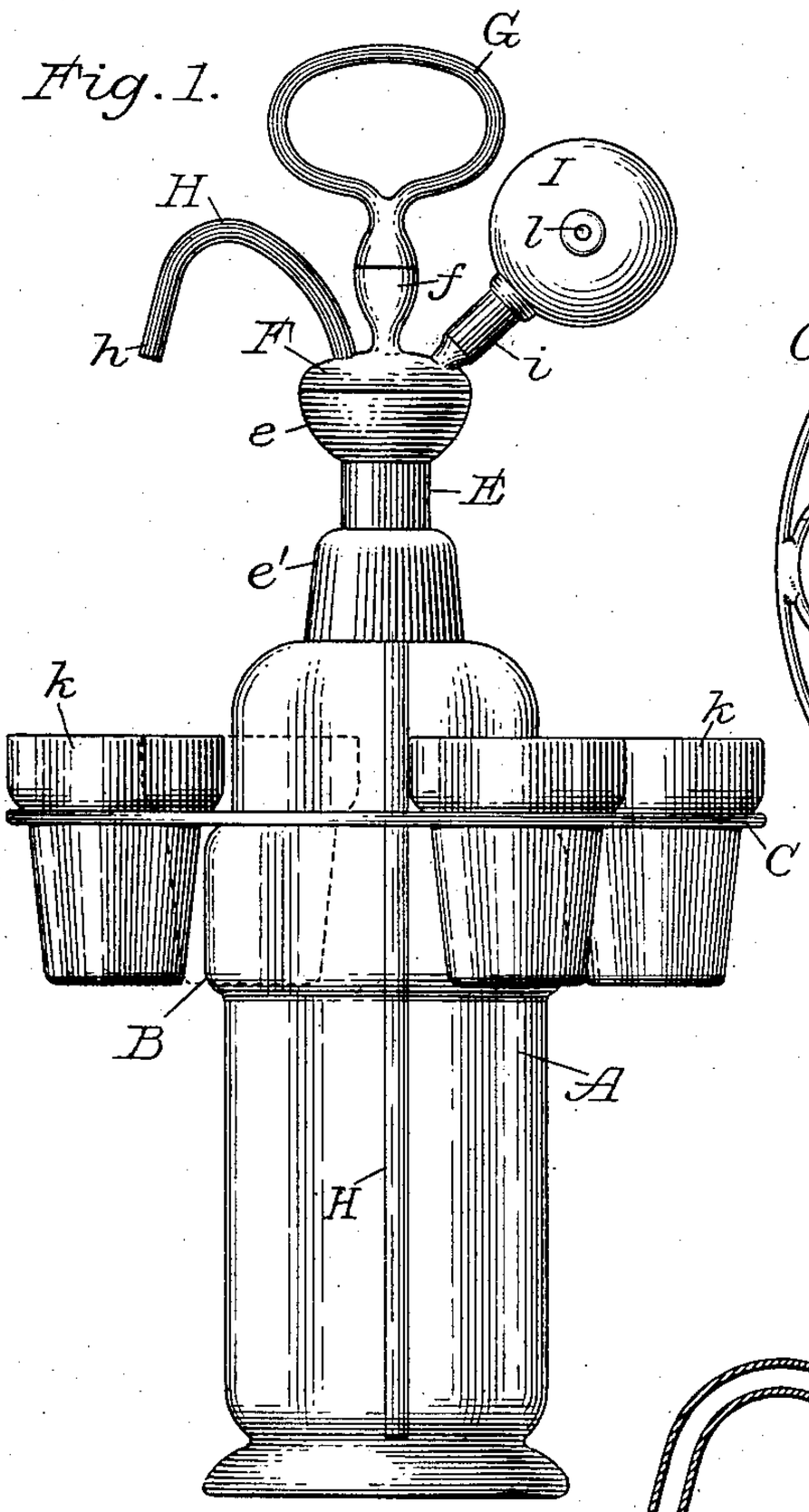

Fig. 2.

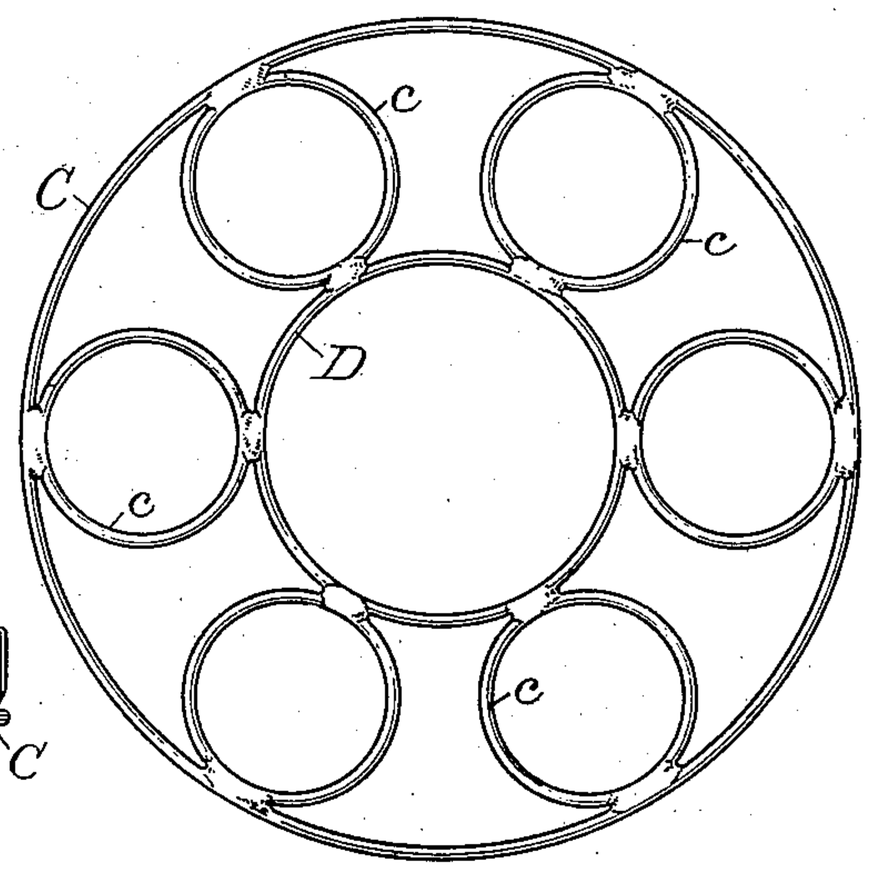

Fig. 3.

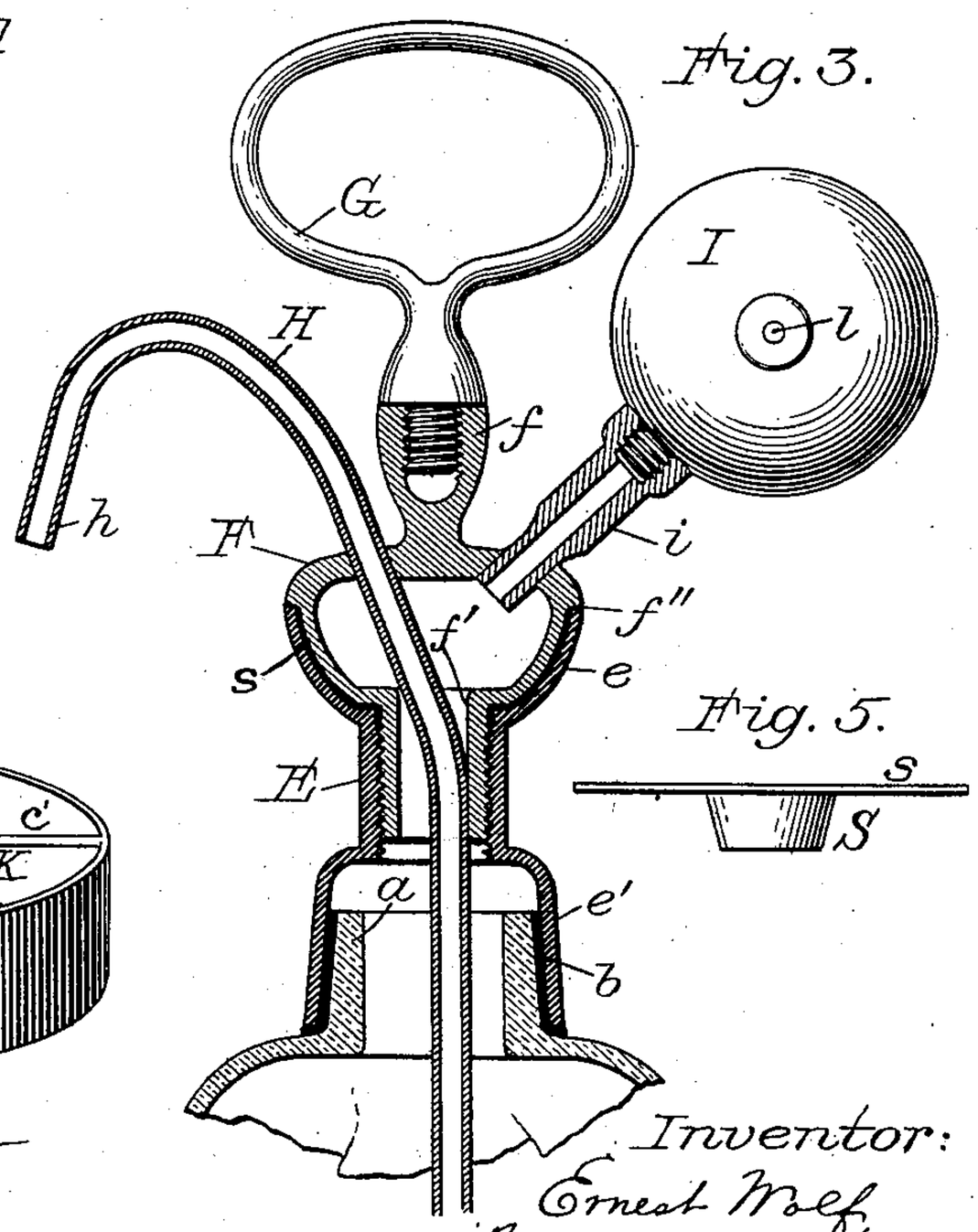

Fig. 4.

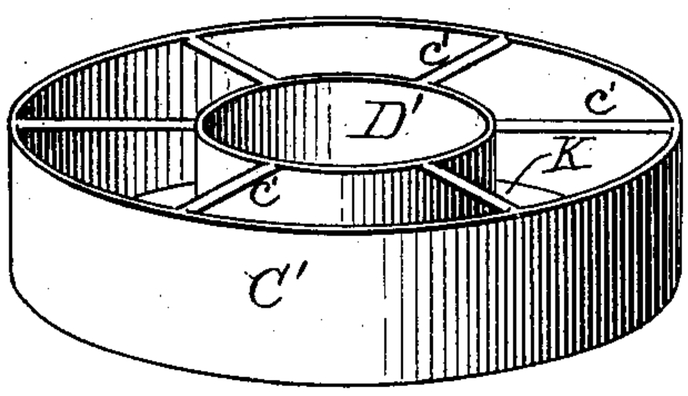

Fig. 5.

Attest:
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UNITED STATES PATENT OFFICE.

ERNEST WOLF, OF NEW YORK, N. Y., ASSIGNOR TO MINNIE WOLF, OF SAME PLACE.

VESSEL FOR DISPENSING LIQUIDS.

SPECIFICATION forming part of Letters Patent No. 608,501, dated August 2, 1898.

Application filed February 15, 1898. Serial No. 670,394. (No model.)

To all whom it may concern:

Be it known that I, ERNEST WOLF, a citizen of the United States, residing at New York, (Brooklyn,) Kings county, State of New York, have invented a certain new and useful Improvement in Vessels for Dispensing Liquids, of which the following is a specification.

My invention relates to improvements in vessels for dispensing liquids.

The objects of my invention are to provide a vessel for dispensing liquids which will be capable of performing its function in the most efficient manner and which can be easily manufactured; to provide a device of the character described that will consist of the fewest number of parts and one in which the parts may be readily assembled and separated, and to provide a dispensing vessel that is particularly adapted for use in connection with gaseous liquids, such as champagne, mineral waters, &c., whereby the said gas may be prevented from escaping from the vessel while the same is being emptied, and, further, to provide a vessel of this character which is especially adapted for dispensing such liquids as leave a sediment, such as old port-wine, whereby the said liquid may be withdrawn from the vessel without disturbing the sediment therein; and my further object is to provide a vessel of the character defined which will be readily portable and will not only be durable in construction but neat in appearance.

With these objects in view my invention consists in the novel construction and details thereof, as hereinafter described, and more particularly pointed out in the claims, with reference to the accompanying drawings, in which—

Figure 1 is a side elevation of my invention. Fig. 2 is a top plan view of the rotatable holder for the glasses. Fig. 3 is a sectional view of the upper portion of the device, partly in elevation. Fig. 4 is a detail view of a modification. Fig. 5 is a detail view of the flexible washer.

Referring now to the drawings, in which the same reference characters designate the same or corresponding parts in all the views, I have shown my invention as applied to a bottle, though it is to be understood that it may be applied to any suitable vessel without departing from the spirit of my invention.

The letter A indicates a bottle which is provided with a shoulder or rib B, serving as a bearing or support for a rotatable glass-holder C. This glass-holder may be made of any suitable form and material for supporting a plurality of glasses thereon. In the construction shown in Figs. 1 and 2 this glass-holder consists of an outer wire ring C and an inner bearing-ring D, the latter of which is adapted to fit the top of the bottle and rest upon the shoulder B, upon which it is mounted so as to be capable of turning freely thereon. Confined between these two rings is a series of smaller rings *c*, which serve to support the glasses *k*.

To the neck *a* of the bottle is secured a suitable neck E, preferably of metal, having a downwardly-extending flange *e'*, which is permanently secured to the bottle-neck by a suitable cement *b*, such as plaster-of-paris, while extending upwardly from said neck E is a flaring lip or flange *e*, adapted to form a funnel to permit the easy filling of the bottle.

The cylindrical portion of the neck is screw-threaded for the reception of the perforated screw-threaded nipple *f'* on the chambered top F, which is shaped externally to conform to the inner contour of the funnel *e* and provided with an outwardly-projecting flange *f''*, adapted to rest in contact with the top of said funnel when the parts are in operative position, thereby closing the mouth of the bottle.

Projecting from the upper part of the chambered top is preferably a screw-threaded boss or nipple *f*, serving as a means of attaching the handle G, by which the bottle may be carried.

Extending through a hole in the upper part of the chambered top is a discharge-tube, the lower end of which terminates slightly above the bottom of the bottle and the upper end bent downwardly, forming a discharge-nozzle *h*.

Attached to the chambered top is an air-bulb I, provided with a suitable air-inlet valve *l*, said bulb communicating with the interior chamber of the top by means of the perforated nipple *i*.

In order to effectually seal the bottle, I pref-

erably provide a flanged washer made of a thin sheet of flexible material, as rubber, the cylindrical portion of said washer S being confined between the nipple f' and the interior of the neck E, while the flange s of said washer is confined between the funnel e and the chambered top, thus effectively sealing the bottle. The external flange f'', overlapping the top of the funnel, forms a break-point and, acting in conjunction with the washer, makes the seal effectual.

When the parts are in the position shown in Fig. 1 and it is desired to fill one or more glasses, the glass-holder is rotated by hand until a glass is brought underneath the nozzle h, and the air-bulb is then compressed, whereby the pneumatic pressure above the surface of the liquid in the bottle forces some of the said liquid out through the discharge-tube h to the glass, and when the latter is filled another glass is brought into proper position by rotating the glass-holder as before.

The glass-holder may be made in a variety of ways, that shown in Fig. 2 being an inexpensive form for holding the glasses of the kind shown in Fig. 1, and I have shown in Fig. 4 one modified form of holder adapted to hold glasses of different sizes and forms. In this form of holder an outer band C' is connected to an inner band D' by means of a bottom K, thus forming an annular trough upon the bottom of which the glasses are supported. The walls C' and D' may be connected by suitable partition-rods c', if desired, and the holder thus constructed is mounted upon the bottle or other vessel in the manner shown in Fig. 1, the inner band D' serving as the bearing or guide.

The rib or shoulder B is preferably made integral with the bottle; but it is obvious that such shoulder may be formed of a separate band fastened to the bottle or vessel.

By the use of my invention liquids, particularly of the character specified, may be dispensed at long intervals out of the same bottle without losing any of the gas required to make them palatable, and by combining the rotating glass-holder with the bottle having the siphon top I form a wine and liquor set which can be easily and conveniently carried about for dispensing several glasses from the bottle at intervals.

I claim as my invention—

1. In a device for dispensing liquids, the combination of a portable vessel, a glass-holder rotatably mounted thereon, a discharge-tube extending into the vessel and having a downwardly-extending nozzle under which glasses in the holder may be brought, and pneumatic means for forcing the liquid from the vessel through said discharge-tube, substantially as described.

2. In a device for dispensing liquids, the combination of a bottle having an external shoulder, a glass-holder rotatably supported on said shoulder, a discharge-tube extending into the bottle and having a nozzle extending downwardly, so as to discharge the liquid from the bottle into a glass on the holder, and an air-bulb in communication with the bottle above the surface of the liquid, substantially as described.

3. The combination with the bottle, of a neck having an upwardly-extending lip adapted to act as a funnel, and a downwardly-extending flange attached to the bottle, a chambered top provided with an extension for a handle having a screw-threaded engagement with the neck and seated in the funnel, a discharge-tube extending through said top into the bottle, and an air-bulb communicating with the internal chamber of said top, substantially as described.

4. The combination of the bottle, a neck having a downward extension secured to the neck of the bottle, an outwardly-flaring upward extension forming a funnel, a top having an outer contour conforming to said funnel and having a downwardly-extending screw-threaded nipple in engagement with the supporting-neck, a chamber in said top in communication with the bottle, a discharge-tube extending through said top into the bottle and having a downwardly-extending nozzle at its upper end, and an air-bulb in communication with the chamber in the top, substantially as described.

5. The combination with the bottle, of a metallic neck secured thereto, a chambered top having screw-threaded engagement with said neck and provided with an extension for a handle, a discharge-tube extending through said top into the bottle and having a downwardly-extending nozzle, and a perforated nipple extending from said top, with an air-bulb attached thereto, substantially as described.

6. The combination with a bottle, of a metallic neck having a downwardly-extending flange secured to the neck of the bottle, and an upwardly-extending and outwardly-flaring flange or funnel, a chambered top having an outer contour conforming to the funnel and having a screw-threaded nipple adapted to engage the neck, and a washer of flexible material consisting of a cylindrical body confined between the nipple on the top and the supporting-neck, and a laterally-flanged portion confined between the funnel and the exterior of the top, and a discharge-tube passing through the top into the bottle, and an air-bulb in communication with the top, substantially as described.

7. In combination with a bottle provided with a shoulder thereon, a rotatable glass-holder mounted on said shoulder and adapted to hold a plurality of glasses, a metallic neck having a downwardly-extending flange secured to the neck of the bottle and an upwardly-extending flange adapted to act as a funnel, a top having an internal chamber and a downwardly-projecting nipple in screw-threaded engagement with the neck, a discharge-tube having its upward end curved

downwardly forming a nozzle and extending through the chambered top into the bottle, a perforated nipple on top in communication with the chamber therein, and an air-bulb supported by said nipple, substantially as described.

8. The combination with the bottle, of a metallic neck having an upwardly-extending and outwardly-flaring flange forming a funnel and a downwardly-extending flange secured to the bottle-neck, a chambered top having an outer contour conforming to the funnel and having an external flange overlapping the upper edge of the funnel, a nipple in engagement with the metallic neck, a flanged flexible washer confined between the top and the funnel, and having a body portion confined between the upper part of the nipple and the said neck, a discharge-tube extending through the top into the bottle, and an air-bulb in communication with said bottle, substantially as described.

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

ERNEST WOLF.

Witnesses:
L. E. TELL,
VICTOR ASCHOFF.