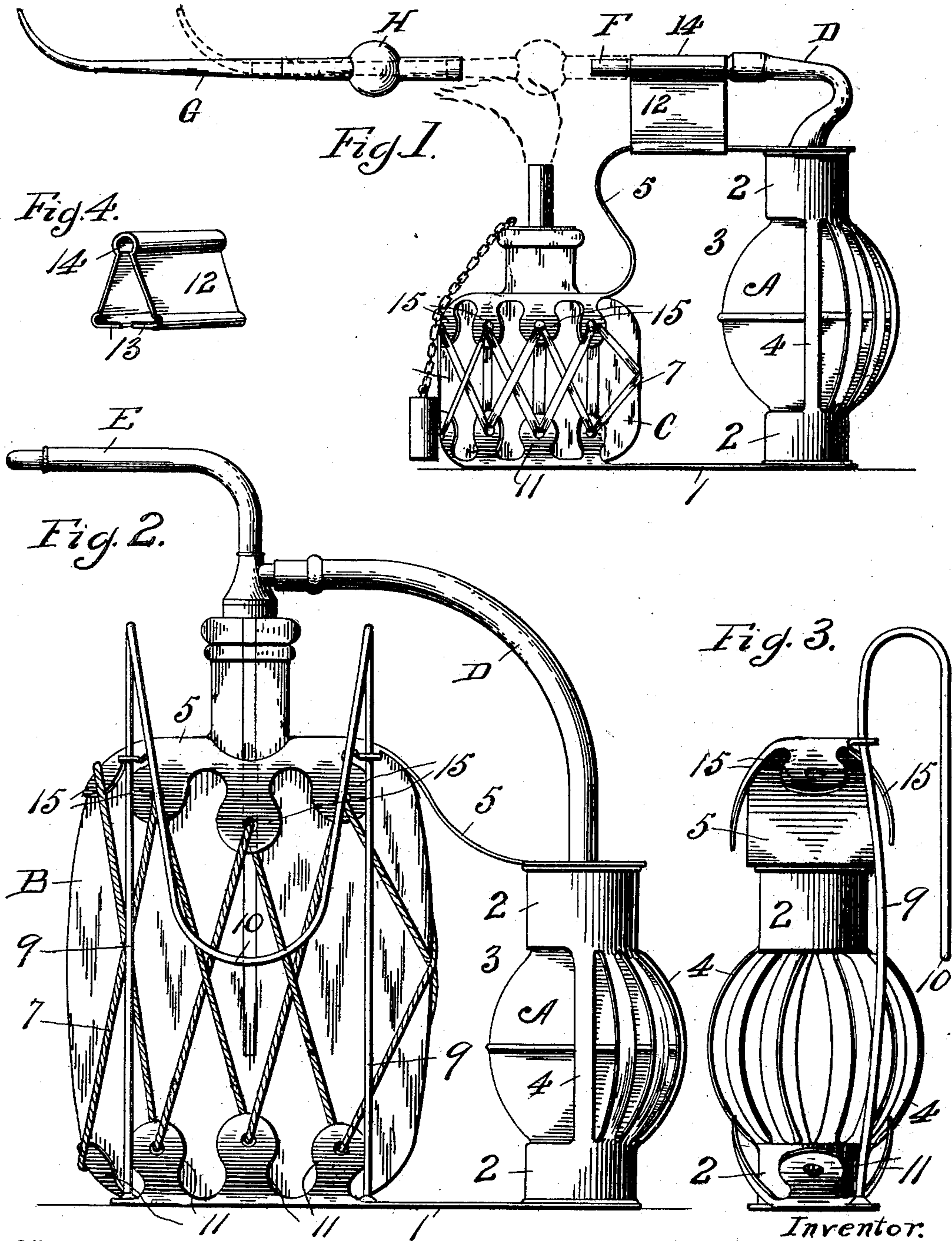


No. 729,138.

PATENTED MAY 26, 1903.

J. C. CRAMER.  
HOLDER FOR ATOMIZERS.  
APPLICATION FILED FEB. 13, 1903.

NO MODEL.



Witnesses

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# UNITED STATES PATENT OFFICE.

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## HOLDER FOR ATOMIZERS.

SPECIFICATION forming part of Letters Patent No. 729,138, dated May 26, 1903.

Application filed February 13, 1903. Serial No. 143,241. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH C. CRAMER, a citizen of the United States, residing at Sawtelle, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Holders for Atomizers, &c., of which the following is a specification.

This invention relates to holders for atomizers, sprayers, blowpipes, and like implements in which a jet of air is projected by hand-pressure.

The object of the invention is to produce a convenient holder, handpiece, or base in which the various parts necessary to make up the apparatus can be assembled for use.

I will premise by stating that the rubber air-bulb, rubber air-tube, lamp, and sprayer are common and well known and can be found in most drug-stores or variety stores. My holder adapts these various well-known articles to many uses to which they have not heretofore been adapted.

Figure 1 is a side elevation of my sprayer as adapted for use as a blowpipe, showing also a heating-nozzle by which the same may be converted into a hot-air blower. Fig. 2 is a side elevation of the holder and appliances when used as a sprayer, showing also the holder-supporting hook. Fig. 3 is a front elevation of the holder and hook without bottle or blower. Fig. 4 is a perspective of the blowpipe-clamp.

Let 1 indicate the base-plate, which is a thin plate of metal, hard rubber, celluloid, or other suitable material.

The numeral 2 denotes the socket or clasp for the air-bulb of the elastic blower. This socket or clasp is preferably in form of a short section of a tube cut away at one side 3 and split or slotted longitudinally opposite the cut-away portion, the bars 4 between the slits being expanded and curved so as to make a substantially hemispherical seat for the air-bulb A. The top plate 5 and the bottom plate 1 are firmly connected to the bulb-clasp 2. The clasp 2 is near one end of these plates 1 and 5, and the plates project forward from this bulb-clasp. The top plate 5 is somewhat longer than the bottom plate 1, and being somewhat flexible the top plate can be bent

upward, as in Fig. 2, or downward, as in Fig. 1, as it projects forward from the air-bulb clasp.

The edges of the plate 1 near the forward end have upwardly-turned lugs 11, which lugs form a receptacle for a bottle B or the base of a small lamp C.

The front end of plate 5 has downwardly-turned lugs 15, which lugs will extend over the upper portion of the bottle or lamp when such is applied to the holder. The neck of the bottle or lamp extends upward through a hole near the front of plate 5.

The lugs 11 and 15 are preferably perforated, so that a cord or ribbon 7 may be drawn through the holes in these lugs, and thus bind the lamp or bottle firmly in place. These cords may be colored to give an ornamental finish to the device.

At one side of the holder a wire 9 may have both ends attached to the base 1 and, extending upward through openings in plate 5, may turn over and form a hook 10 for a purpose to be explained.

A tube-clamp 12 may be made from a single piece of sheet metal or other flexible material bent into the form shown in Fig. 4 and having the edges 13 turned inward toward each other and the central part 14 made in form of a tube-clamp. This piece 12 can be readily attached to the holder proper by springing the edges 13 under the edges of plate 5, while the main part of the clamp projects above said plate.

I have now described the essential features of the holder of my invention. I will now describe it in its assembled relation to a sprayer or lamp.

The air-bulb A is the common rubber bulb used for blowing a current of air. This bulb is placed in the clasp or socket 2 with the flexible air-tube D projecting above the plate 5.

To use the device as an atomizer, the tube D is connected to a common atomizer-nozzle E. The tube from the atomizer-nozzle extends down into the bottle B, which bottle may be of any suitable form or size. By clasp- ing the bars 4 in the palm of either hand and passing his fingers between the air-bulb and bottle the operator can by compressing his fingers operate the bulb to blow air through



pipe D, and thus operate the atomizer in usual manner. The holder can then be moved by the hand grasping the bulb and holder to any suitable position, and by finger movement the air-blast may be operated. The plate 1 affords a convenient base for supporting the device in upright position.

When it is desired to use the device as a blowpipe, a short tube F is applied at the end of rubber tube D, and this tube, held by clamp 12, terminates just in rear of the point to which a flame in lamp C will extend when the lamp is lighted. Then by working the bulb with the fingers the air-blast will project the flame something in the manner indicated in dotted lines.

The lamp C may be the same bottle or a similar bottle to that used as a sprayer. The flexibility of plate 5 adapts the holder for use with a large variety of bottles or lamps.

If desired to use the device to project a blast of hot-air, the nozzle G may be slipped on the tube F, as indicated in dotted lines, Fig. 1. The flame from lamp C will then heat bulb H on said nozzle, and as the air from the tube D must then pass through this heated bulb the air will itself become heated and will be thus projected from the nozzle.

The hook 10 serves as a convenient means for hanging up the holder. When used as a sprayer in washing windows, this hook can be slipped into the garment of the operator, thus leaving both hands free to work with cloths or rubbers or leaving one hand to hold by while work is done with the other.

What I claim is—

1. A holder for atomizers, &c., consisting of a bulb-socket, and a support for a bottle or the like consisting of upper and lower plates and clasping means.

2. A holder for atomizers; &c., consisting of a base-plate, an upper flexible plate, both these plates having means for holding a bot-

tle or the like, and a bulb-socket connecting these two plates near one end.

3. A holder for atomizers, &c., consisting essentially of a short tube with a section removed and the part opposite this removed section split and expanded, and having a base-plate attached to one end and a flexible top plate attached to the other end of said tube, said top plate having openings substantially as described.

4. The combination with an atomizer-holder of the character described, of a spring tube-clamp having turned-in edges to embrace the edges of one plate of the holder, and adapted to hold a short tube above said holder.

5. The combination with an atomizer-holder consisting of a partially-open socket and a bottom and top plate, of an air-bulb, and a bottle or receptacle secured between said plates, substantially as described.

6. An atomizer-holder consisting essentially of a bottom and a top plate and a bulb-socket connecting said plates, said plates having perforated lugs to extend partially over an inclosed bottle.

7. The combination with the atomizer-holder described, consisting of top and bottom plates and end socket, of the tube-clamp, tube; and hot-air nozzle, arranged substantially as described.

8. The combination with the holder consisting of bulb-socket and top and bottom plates as described, said plates having perforated lugs, of a holding-cord passing through said lugs, by which a bottle may be held firmly in place.

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

JOSEPH C. CRAMER.

Witnesses:

L. A. SCHOLIS,  
H. E. RIGGINS.