

No. 709,389.

Patented Sept. 16, 1902.

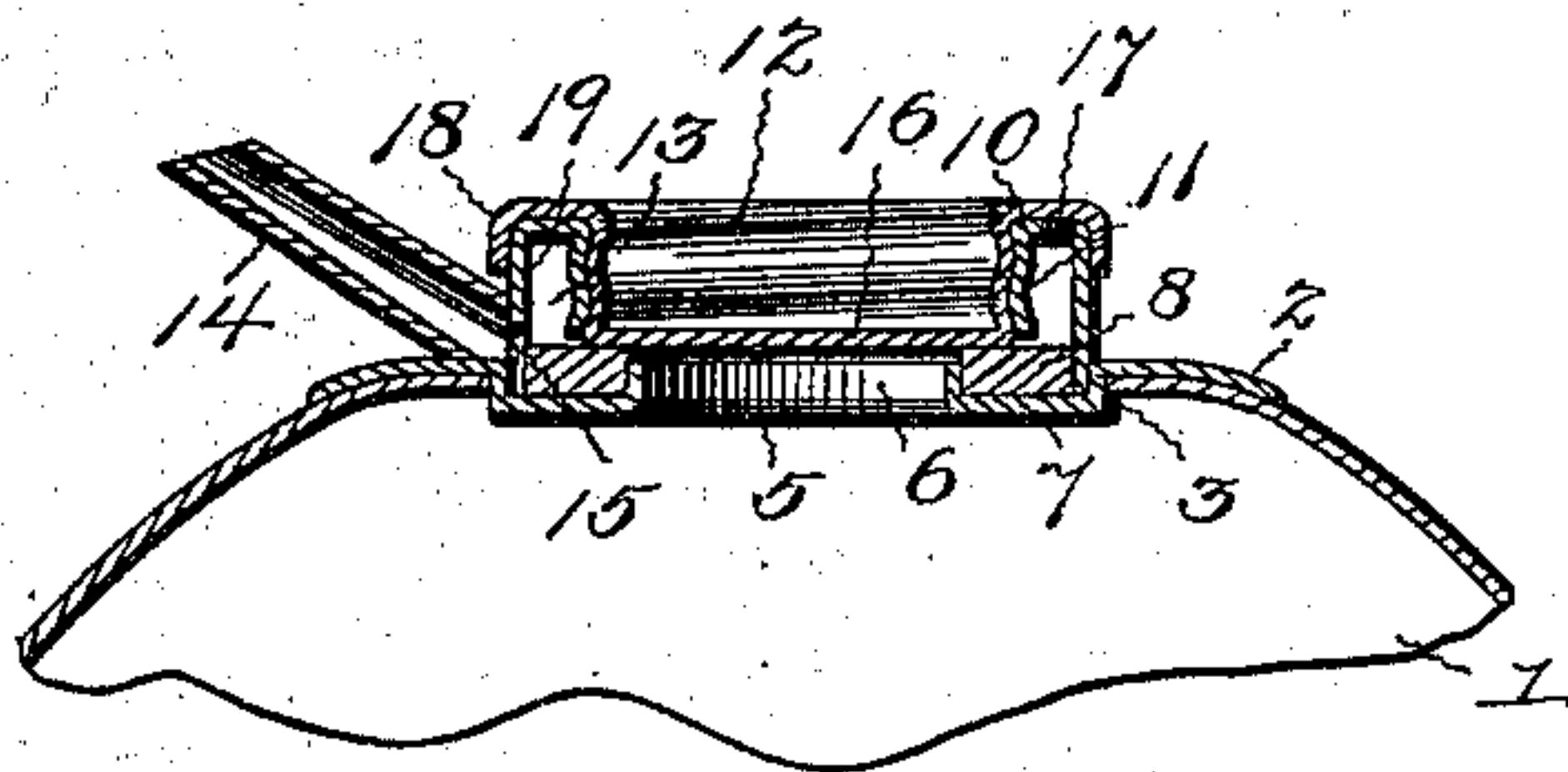
R. W. BOOTH.

FAUCET.

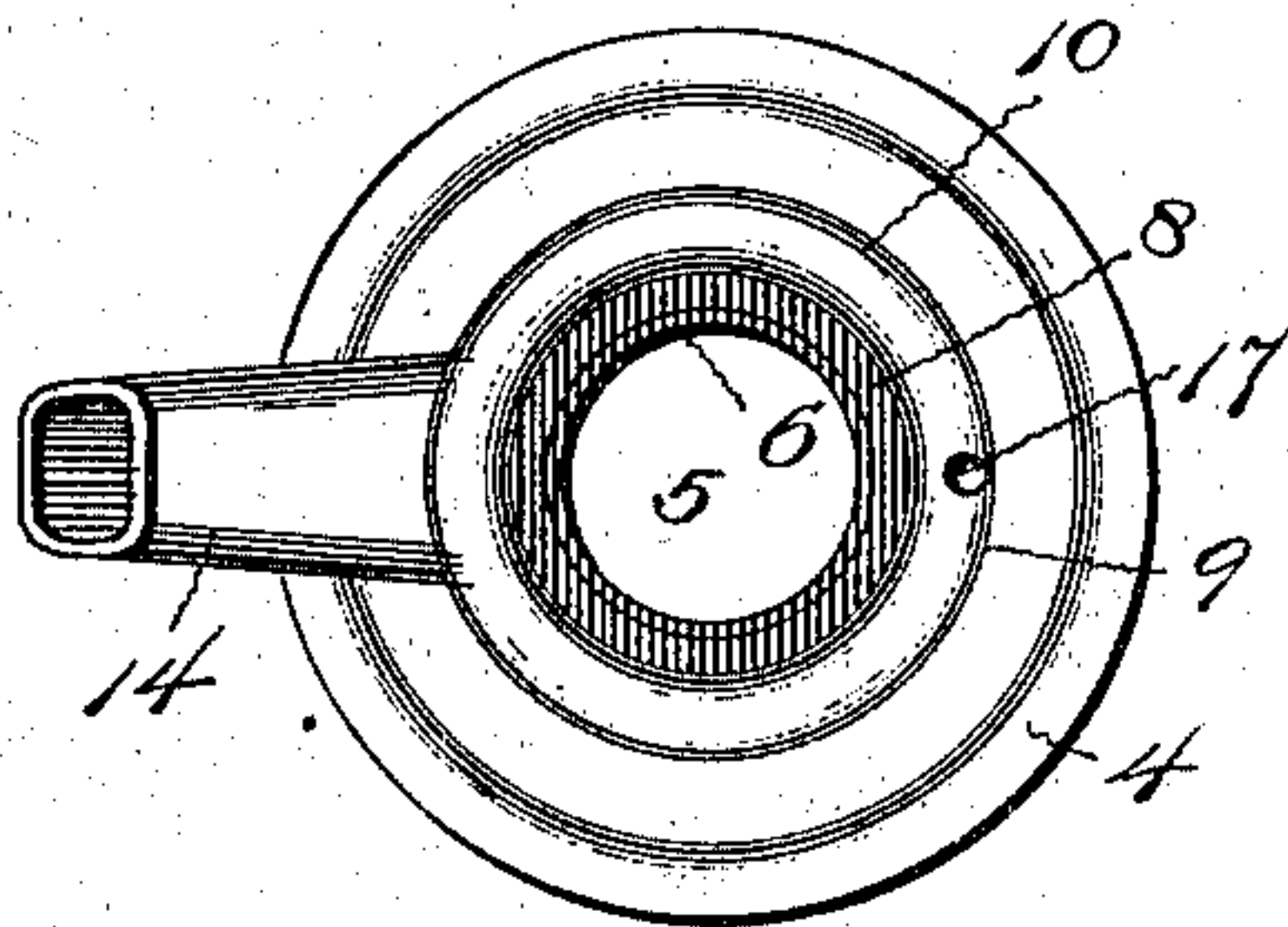
(Application filed Dec. 14, 1899. Renewed Mar. 13, 1902.)

(No Model.)

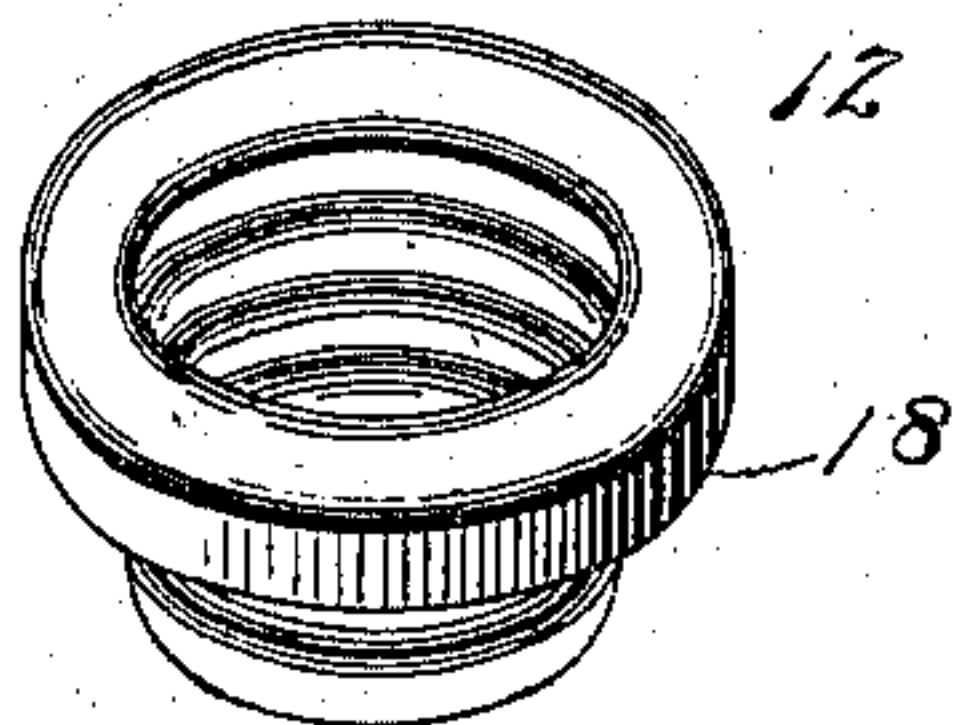
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses

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# UNITED STATES PATENT OFFICE.

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## FAUCET.

SPECIFICATION forming part of Letters Patent No. 709,389, dated September 16, 1902.

Application filed December 14, 1899. Renewed March 13, 1902. Serial No. 98,089. (No model.)

*To all whom it may concern:*

Be it known that I, RALPH W. BOOTH, a citizen of the United States, residing at New Brunswick, in the county of Middlesex and State of New Jersey, have invented certain new and useful Improvements in Faucets, of which the following is a specification, reference being had therein to the accompanying drawings.

My present invention relates to improvements in faucets of that class which are usually designated spouts and fillers for cans.

The object of the invention is the production of a faucet requiring a minimum number of applications of solder to permanently organize its parts, embodying a filling-cap constituting a valve for regulating the flow through the spout and having its threads obscured within the faucet, and having an annular chamber with which the spout communicates to facilitate the flow of the liquid.

Certain other and subordinate objects of the invention will appear as the necessity for their accomplishment is developed in the succeeding description.

Referring to the drawings, Figure 1 is a sectional view through my faucet and a portion of a can upon which it is applied. Fig. 2 is a top plan view thereof with the cap removed, and Fig. 3 is a detailed perspective view of the cap.

Referring to the numerals of reference, indicating corresponding parts in the several views, 1 indicates a portion of a can the top 2 of which is provided with a comparatively large central opening 3, designed to be covered by the base-plate or disk 4 of my faucet.

The circular base-plate 4 is centrally perforated, as at 5, and said perforation or opening is defined by an upturned annular flange 6, surrounded by an annular depression 7, in which rests a gasket 8.

From the plate 4 rises an annular spout-wall 9, soldered at the outer edge of the depression 7 and having its upper edge 10 turned in, terminating in an internal annular drop-flange 11, threaded for the reception of a screw-cap 12. This drop-flange 11 is practically parallel with the spout-wall 9 (defining an intermediate annular chamber 13) and extends to within a short distance above the gasket.

14 indicates a spout designed to be soldered opposite a spout-opening 15 in the wall 9 simultaneously with the soldering of said wall to the base-plate.

When the screw-cap 12 is screwed down into the faucet, its bottom 16 rests upon the gasket and effectually closes the faucet.

The flow of liquid from the can through the faucet may now be regulated by the screwing or unscrewing of the cap, the movements of which serve to effect the opening and closing of the vent 17 through the turned edge 10 as the hollow flange 18 of the cap is caused to cover or uncover said vent. In other words, the closure is rendered doubly secure, inasmuch as the vent is closed simultaneously with the seating of the cap upon the gasket.

From the foregoing it will appear that I have produced a faucet of simple, durable, and efficient construction capable of being manufactured at slight cost and with a minimum expenditure of labor; but while the present embodiment of the invention appears at this time to be preferable I do not wish to limit myself to the structural details defined, but reserve the right to effect such changes, modifications, and variations as may come properly within the scope of the protection prayed.

Therefore what I claim, and desire to secure by Letters Patent, is—

1. A faucet comprising a base-plate, an annular spout-flange rising therefrom with its upper edge turned over and apertured, an internal threaded drop-flange and a screw-cap designed to be screwed into the drop-flange with a portion extended over the aperture of the spout-flange.

2. A faucet having a central opening, an annular chamber thereabove provided with a vent, a spout communicating with the chamber, and a cap having a hollow flange to fit over the edge of the spout-wall to control said vent arranged to simultaneously control the vent and the flow of liquid to the chamber.

3. A faucet comprising an apertured base-plate, an annular spout-flange having its upper edge turned over and apertured and terminating in a drop-flange of less width than the height of the spout-flange, and a cap de-

signed to fit into the drop-flange and provided with a flange extending over the aperture in the turned edge of the spout-wall.

4. A faucet comprising an apertured base-  
5 plate having an upturned annular flange surrounded by a depression, a spout-wall rising from the outer edge of the depression and having its upper edge turned over and terminating in a drop-flange, a spout secured to  
10 the spout-wall, a gasket in the depression,

and a cap provided with a hollow flange designed to fit over the turned edge of the spout-wall to control a vent therein.

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

RALPH W. BOOTH.

Witnesses:

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