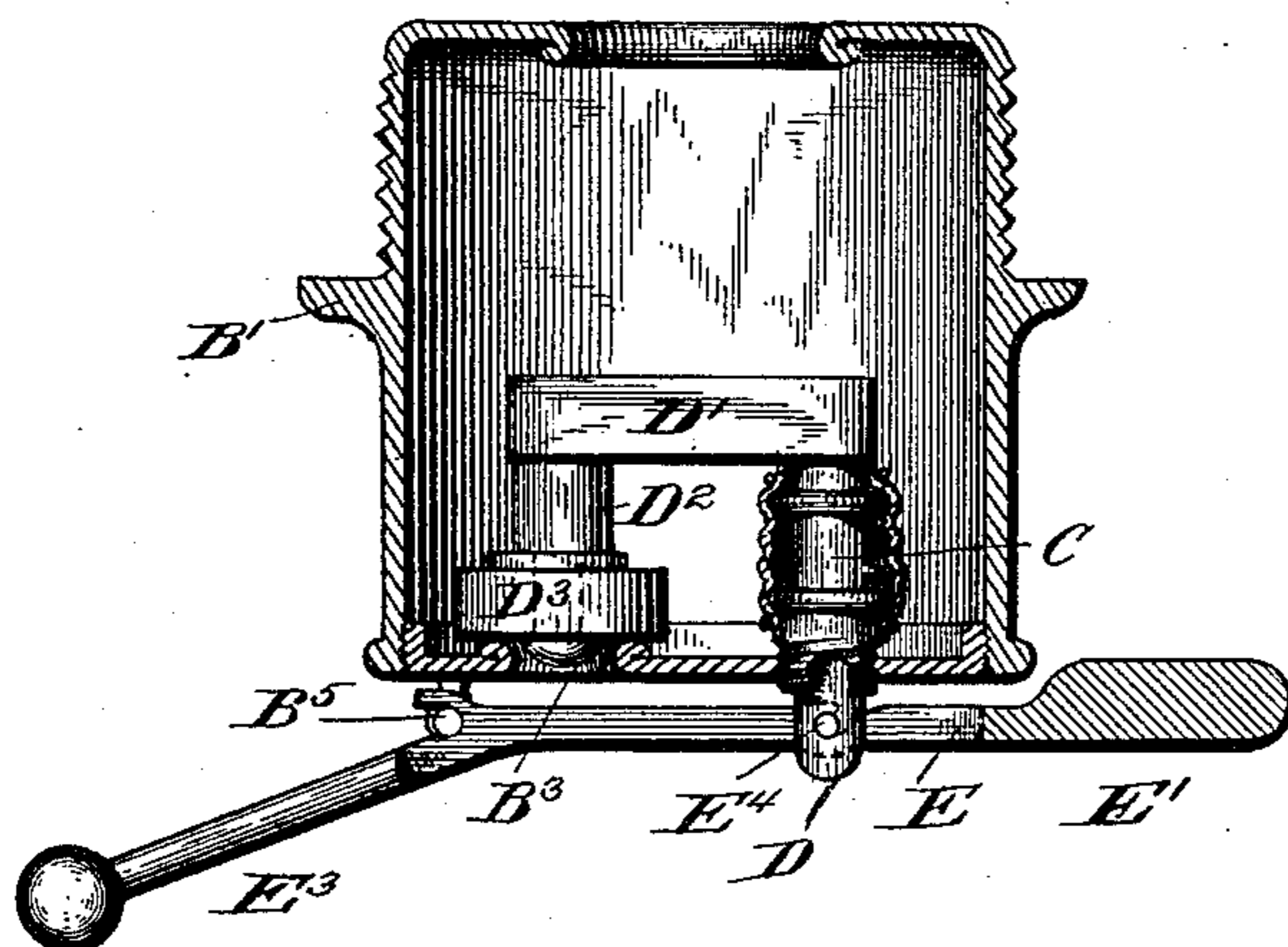
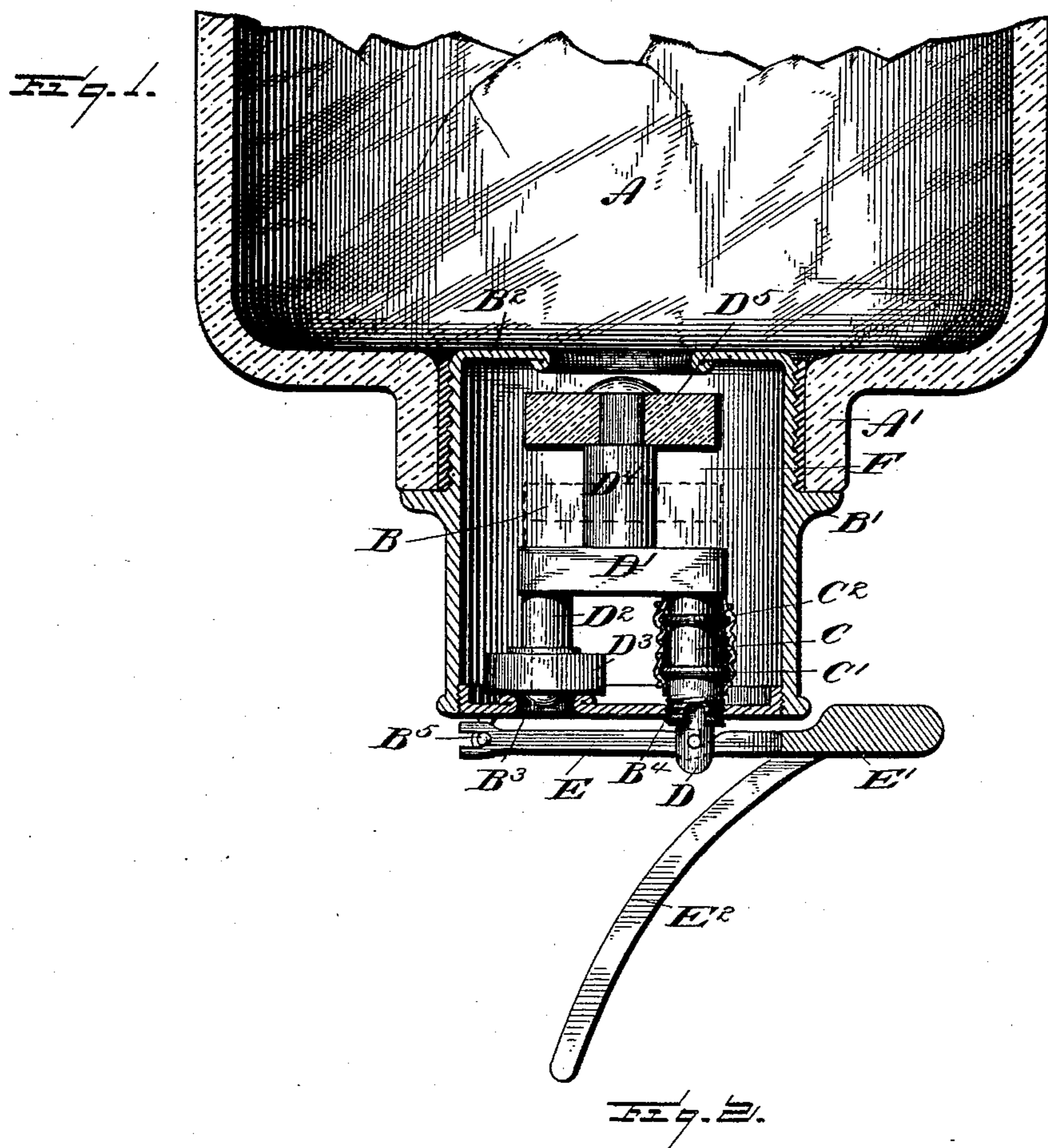


(No Model.)

E. HAAS.  
SIRUP FAUCET.

No. 411,026.

Patented Sept. 17, 1889.



Witnesses

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# UNITED STATES PATENT OFFICE.

EDWIN HAAS, OF PHILADELPHIA, PENNSYLVANIA.

## SIRUP-FAUCET.

SPECIFICATION forming part of Letters Patent No. 411,026, dated September 17, 1889.

Application filed May 10, 1889. Serial No. 310,306. (No model.)

### *To all whom it may concern:*

Be it known that I, EDWIN HAAS, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Sirup-Faucets, of which the following is a specification, reference being had therein to the accompanying drawings.

10 The object of my invention is the provision of a faucet-plug for sirup-jars in use with soda-water apparatus, which shall supply a given limited and predetermined amount of the sirup at each opening of the faucet.

15 To this end I have constructed my device in the manner described in the following specification, and with the novel features particularly set forth in the claims at the end of the same.

20 In the drawings, Figure 1 is a central longitudinal vertical section of the bottom of a sirup-jar with one of my faucet-plugs attached. Fig. 2 is a central vertical section of my plug in a modified form.

25 A represents one of my sirup-jars, having a downturned neck A', which is interiorly screw-threaded, as shown. B is my plug, adapted to screw into said neck, and provided with shoulders B', abutting against the outer rim of said neck when in place. The top B<sup>2</sup> of the plug is provided with a central aperture of considerable diameter. The bottom of the plug has two apertures B<sup>3</sup> and B<sup>4</sup>, and has a depending bracket or swivel B<sup>5</sup> in front of said apertures. Through the rear of these 35 two apertures there projects a sleeve C, made preferably, as shown, with two beads C', for the better securing of the rubber envelope of the sleeve C<sup>2</sup>. This rubber envelope protects the whole sleeve from contact with the sirup and keeps the same clean. Through this sleeve there extends a stem D, upon the top of which is borne a cross-piece D', having a depending stem D<sup>2</sup>, provided at its lower end 45 with a plug, preferably of rubber, D<sup>3</sup>. This plug is intended, as shown, for the stoppage of the aperture B<sup>3</sup>.

50 From the middle of the cross-piece there rises the post D<sup>4</sup>, surmounted by the plug D<sup>5</sup>, intended for the stoppage of the aperture in the top of the plug, as shown.

Pivoted to the bracket B<sup>5</sup> there is a lever E, which is also pivotally fastened to the end of the stem D, as shown at E<sup>4</sup>.

At the back of the lever E there is a weight E', which tends to keep the lever normally depressed, for the purpose of keeping the aperture B<sup>3</sup> closed. 55

As shown in Fig. 1, there is a depending bail E<sup>2</sup> extending from the weight or the vicinity of the same, and so disposed that upon pushing a glass against the same the lever will be raised and with it the plug within. 60

In Fig. 2 is shown another form of my device, wherein E<sup>3</sup> is a forward-extending arm so disposed that by pressure thereupon the faucet may be opened, as shown. 65

The operation of my device is as follows: Upon raising the stem D by means of the lever in either of the ways indicated above the cross-piece, stem D<sup>3</sup>, and post D<sup>4</sup> are all raised together, and the effect is evidently to open the lower aperture B<sup>3</sup> and close the upper one. Thus the sirup which was in the plug B is allowed to escape through the aperture B<sup>3</sup> into the glass beneath, while the upper plug or stop D<sup>5</sup> prevents the further entrance of sirup into B. When the stem D is again lowered, the flow of the sirup into the glass is stopped and more sirup is allowed to flow into the plug B. Thus a given measured quantity of sirup may be extracted at each application of the glass to the bail or at each recurring touch of the front lever E<sup>3</sup>. 75

When it is desired to vary the amount of sirup to be extracted at each application, supplementary washers F (shown in dotted lines in Fig. 1) are added to the post D<sup>4</sup>, and thus there is less volume left in the hollow of the plug for the occupation of the sirup. These washers can be renewed at will, and as many employed as may be desired. 85

I do not wish to be understood as limiting myself to the exact construction shown and described in all the details of the same, as there may be various modifications of the same made without departing from the spirit of my invention. 95

What I claim is—

1. A hollow plug of the character described, provided with an exit-aperture, in combination with a sleeve projecting through the bot- 100

tom of said plug, and a stem projecting through said sleeve and bearing a stop for the closing of said aperture, substantially as described.

5 2. A hollow plug of the character described, having an aperture at the top thereof, and an exit-aperture at the bottom, in combination with a sleeve extending into said plug, a stem passing through said sleeve, and two stops on  
10 said stem, one of said stops closing said upper and one said lower aperture, substantially as described.

3. A hollow plug having a top and a bottom aperture, in combination with a sleeve  
15 extending into the same, a cross-piece borne upon said sleeve, a plug on said cross-piece disposed to close the upper aperture, and a depending plug on said cross-piece for the purpose of closing the lower aperture, sub-  
20 stantially as described.

4. A hollow plug adapted to be screwed into the bottom of a jar, and having a top and a bottom aperture in combination with a sleeve covered with rubber extending into said plug,  
25 and a stem projecting through said sleeve and bearing a stop for each of said apertures, substantially as described.

5. A hollow plug of the character described, having an upper and a lower aperture, in combination with a stem bearing an upward-extending post bearing a stop for the upper  
30 aperture and a valve for the lower aperture, and washers adapted to be placed upon said posts, substantially as described.

6. A plug of the character described, having  
35 an upper and a lower aperture, and a sleeve extending into the bottom thereof, said sleeve being covered with rubber, in combination with a stem passing through said sleeve, a post extending upward and borne upon said  
40 stem and bearing a stop for said upper aperture and a valve for the lower aperture, and supplementary washers adapted to be placed upon said post, substantially as described.

7. A hollow plug of the character described,  
45 having an upper and a lower aperture, and a sleeve extending into the same, in combination with a stem passing through said sleeve, a post on said stem bearing a stop for said upper aperture, a depending stem bearing a stop for said lower aperture, and wash-  
50 ers adapted to be placed upon said post, substantially as described.

8. A hollow plug of the character described, having an upper and a lower aperture, and a  
55 sleeve extended into said plug, in combination with a stem passing through said sleeve and bearing a stop for each of said apertures, and a lever pivoted to the bottom of said plug, pivotally attached to said stem and provided  
60 with a weight and a forward-projecting arm, substantially as described.

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

EDWIN HAAS.

Witnesses:

FRANK H. MASSEY,

FRANK R. JORDAN.