

D. B. LEE.  
JEWEL CUP FOR FAUCETS.  
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919,602.

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Fig. 1.

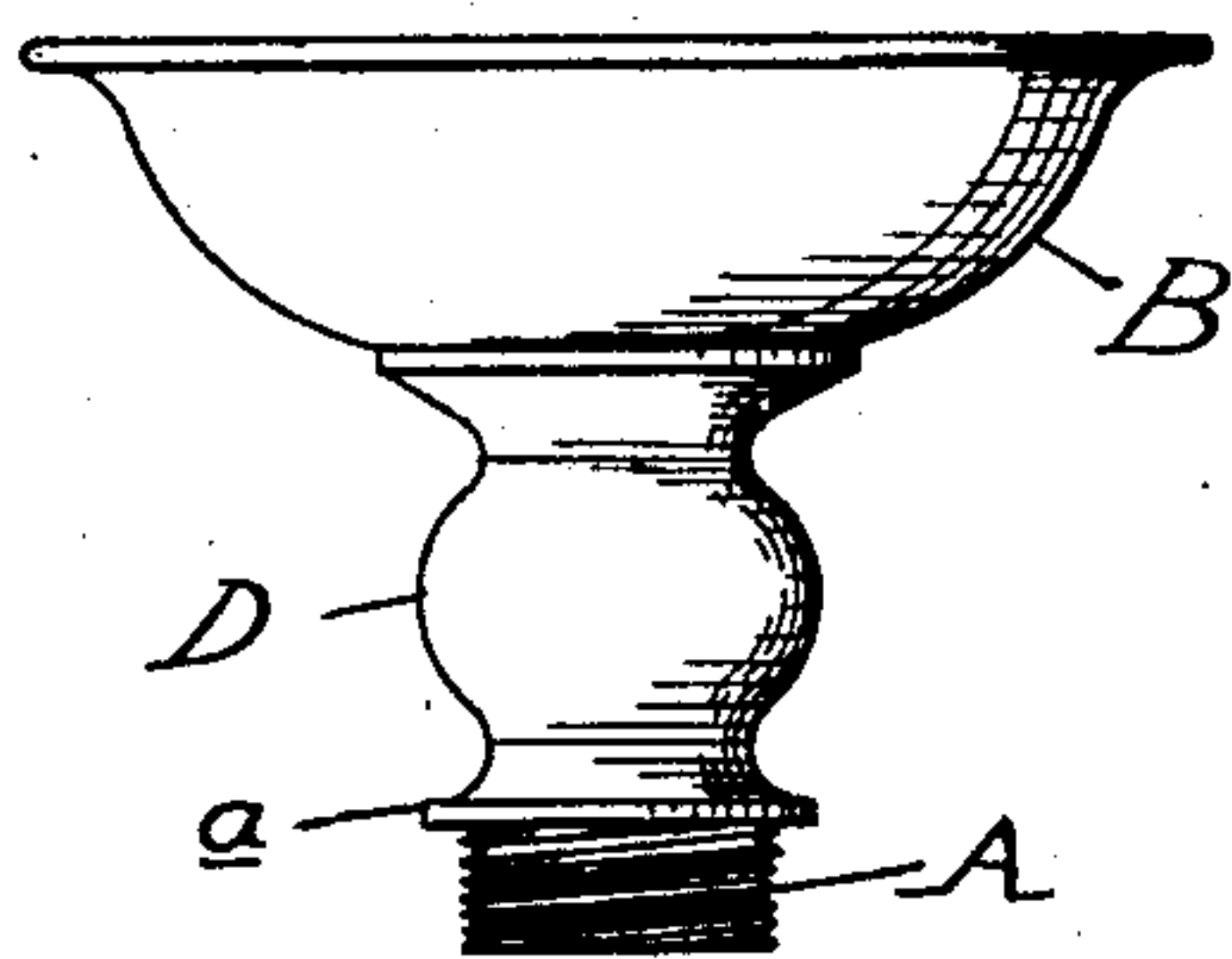


Fig. 2.

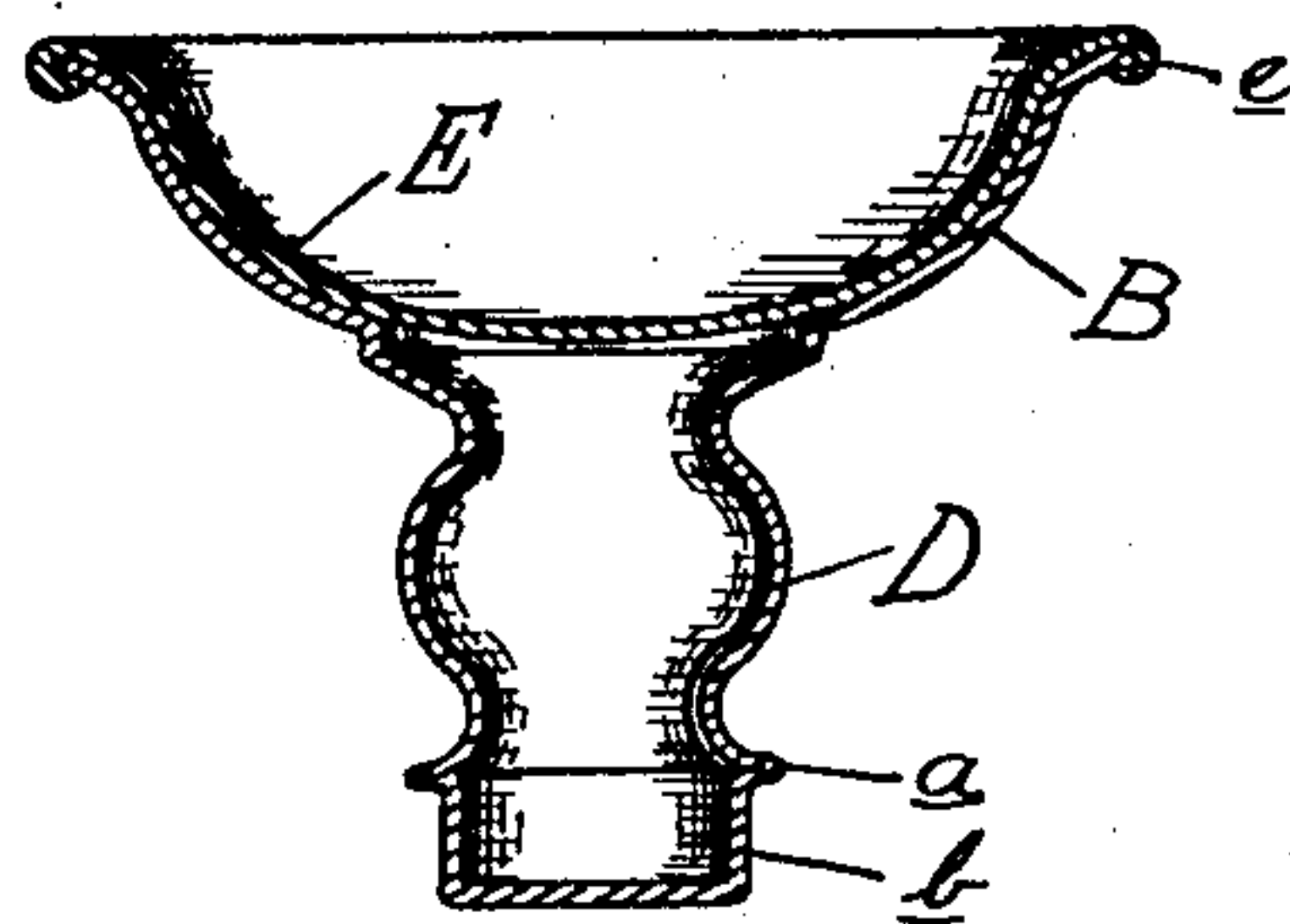


Fig. 4.

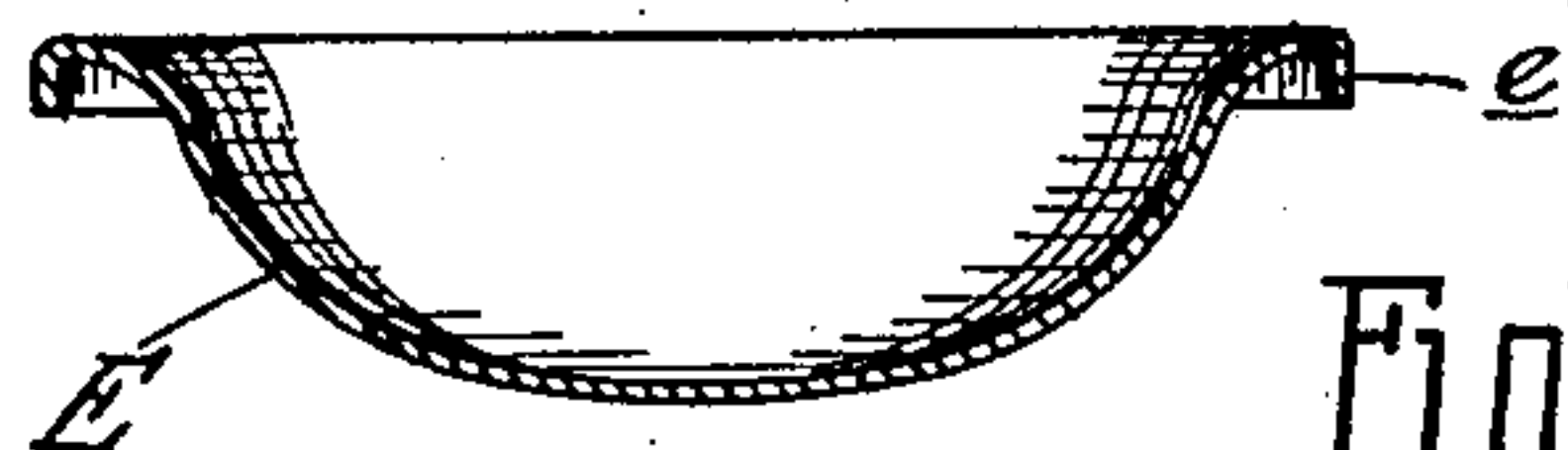
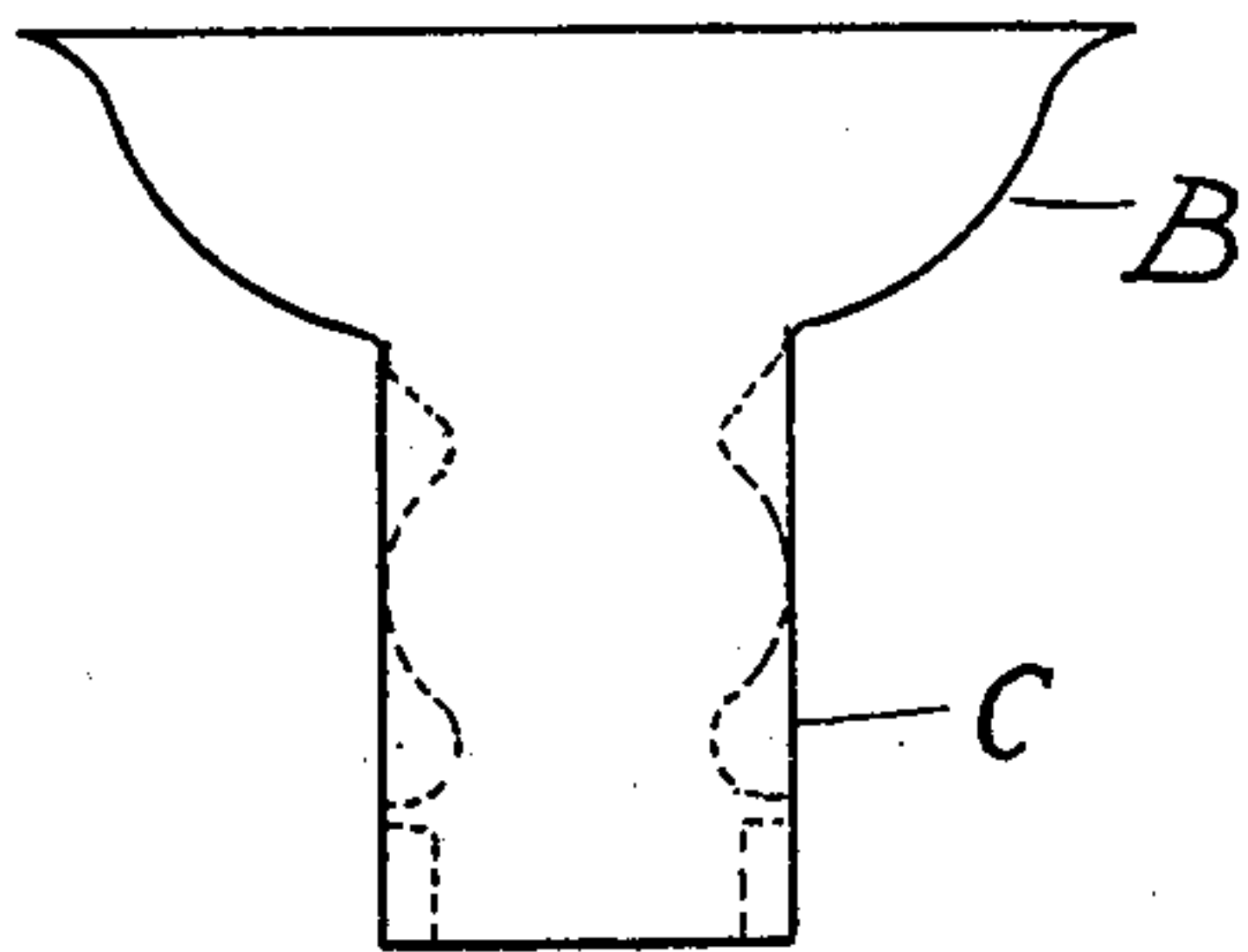
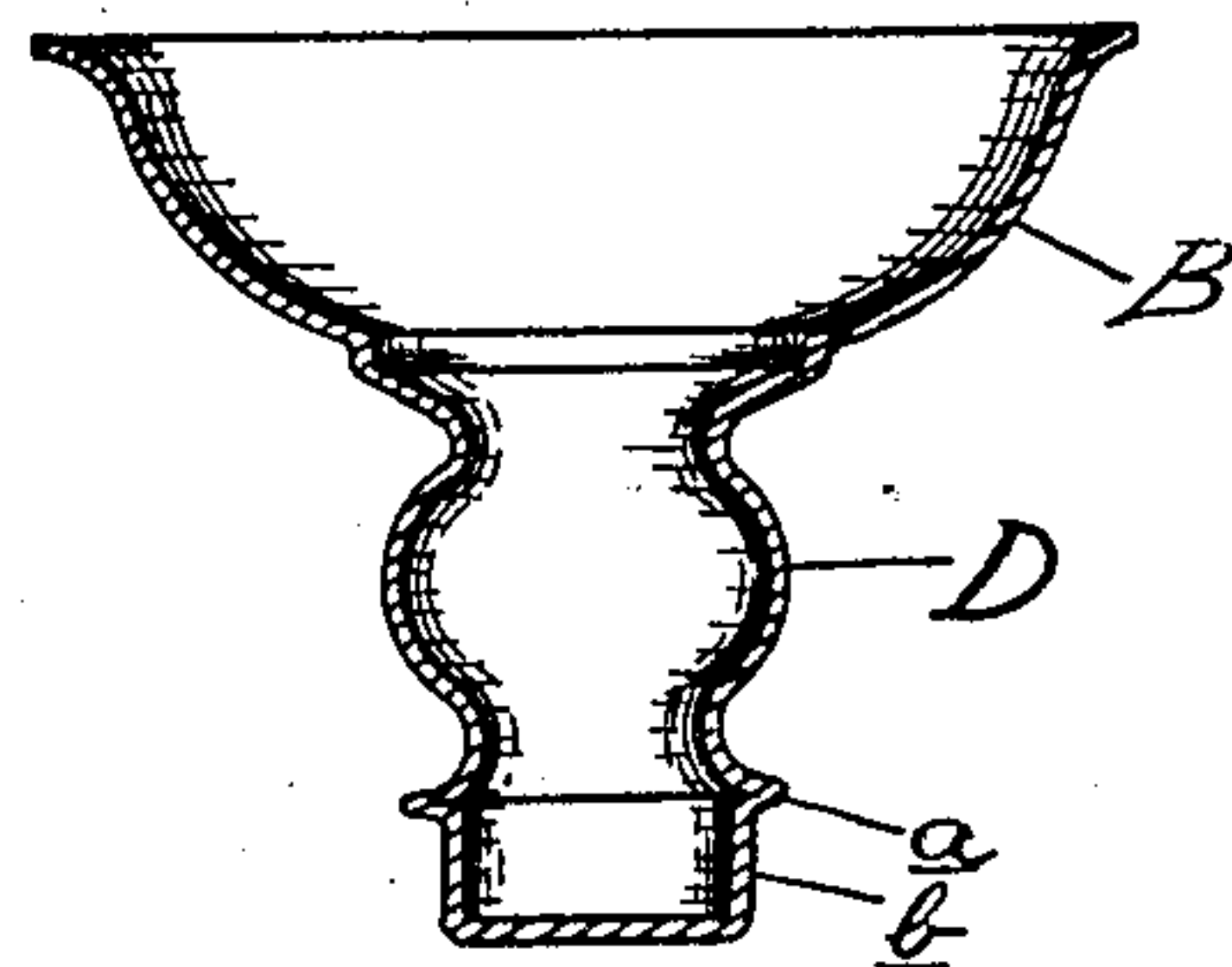


Fig. 3.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## JEWEL-CUP FOR FAUCETS.

No. 919,602.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed January 15, 1909. Serial No. 472,528.

*To all whom it may concern:*

Be it known that I, DWIGHT B. LEE, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Jewel-Cups for Faucets, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to new and useful improvements in jewel cups for faucets.

It consists particularly in the construction of such a cup, of sheet metal, comprising an integral body portion consisting of a flaring top and a cylindrical stem, and a cup fitting within the flaring top, the edge of the cup being hooked or seamed to the edge of the body portion; and further, in the construction in combination of the various parts, all hereinafter more fully described and particularly pointed out in the claims.

25 In the drawings: Figure 1 is a side elevation of my improved cup; Fig. 2 is a vertical central section thereof; Fig. 3 is a section similar to Fig. 2, showing the body portion and top detached; and Fig. 4 is a section through the blank for the body portion after the same is drawn into shape, and, in dotted lines, showing the final configuration applied to the stem or cylindrical portion thereof.

30 At the present time it is practically the universal custom to make these cups of cast metal, of substantially the shape shown in Fig. 1. They are usually provided, as is my device, with a screw-threaded lower end A, by which they may be secured to the upper end of the faucet or other bath tub fixture, with the cup uppermost, so that it may be used either to put the stopper therein or to place jewels in, the latter being the most common use for the same—and hence it is generally known to the trade as a jewel cup.

45 In the manufacture of my device, which is made entirely of sheet metal, I take a piece of sheet metal of the desired size and draw it into the shape shown in full lines in Fig. 4, comprising a flaring top portion B and a lower cylindrical or stem portion C. The exact configuration of the portion B is immaterial, but it is preferably of the curved bowl shape—which is the usual shape for such part—and is graceful in design. I then desire to shape the stem thereof so as to give it the ornamental shape shown, and this I do

either by rolling or by subjecting the same to the action of the dies, so as to form it into the shape preferably as shown in Figs. 2 and 3, consisting of the ornamental stem portion D terminating in a flange *a*, below which is the cylindrical portion *b* which may have a screw-thread applied thereto. I preferably make the portion *b* first slightly longer than desired, and then shorten it by dies, so as to compress and thicken the metal therein to better take the screw-threads to be applied thereto. The top E I form in the shape of a bowl, as shown in Figs. 2 and 3, of a size to fit within the flaring top B, and with its edge overhanging that top and having a depending flange *e* which may be hooked around the edge of the flaring portion B to securely attach the two parts together, as shown in Fig. 2. When the parts are thus made and assembled, and are given the desired finish—as by nickel-plating—and the screw-threads are applied to the nipple *b*, the device is complete.

I find that I can manufacture this sheet metal cup at a very much lower price than the cast-metal cups, or, so far as I am aware, of any other way of making such a construction; and it not only is cheaper but is very much lighter and may be made in any desired ornamental shape.

What I claim as my invention is,—

1. A jewel cup for faucets, consisting of a bowl and a body portion, the body portion comprising an integral sheet metal flaring top and a stem portion, such stem terminating in a nipple, and the bowl of sheet metal fitting within the top of the body portion having its edge secured to the edge of the top of the body portion.

2. A jewel cup for faucets, comprising a body portion of sheet metal shaped to form a flaring top, and an integral stem terminating in a screw-threaded nipple, a sheet metal bowl-shaped top fitting within the top of the body portion, and a marginal flange thereon hooked over the edge of the top of the body portion.

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

DWIGHT B. LEE.

Witnesses:

ADELAIDE F. ADAMS,  
JAMES P. BARRY.