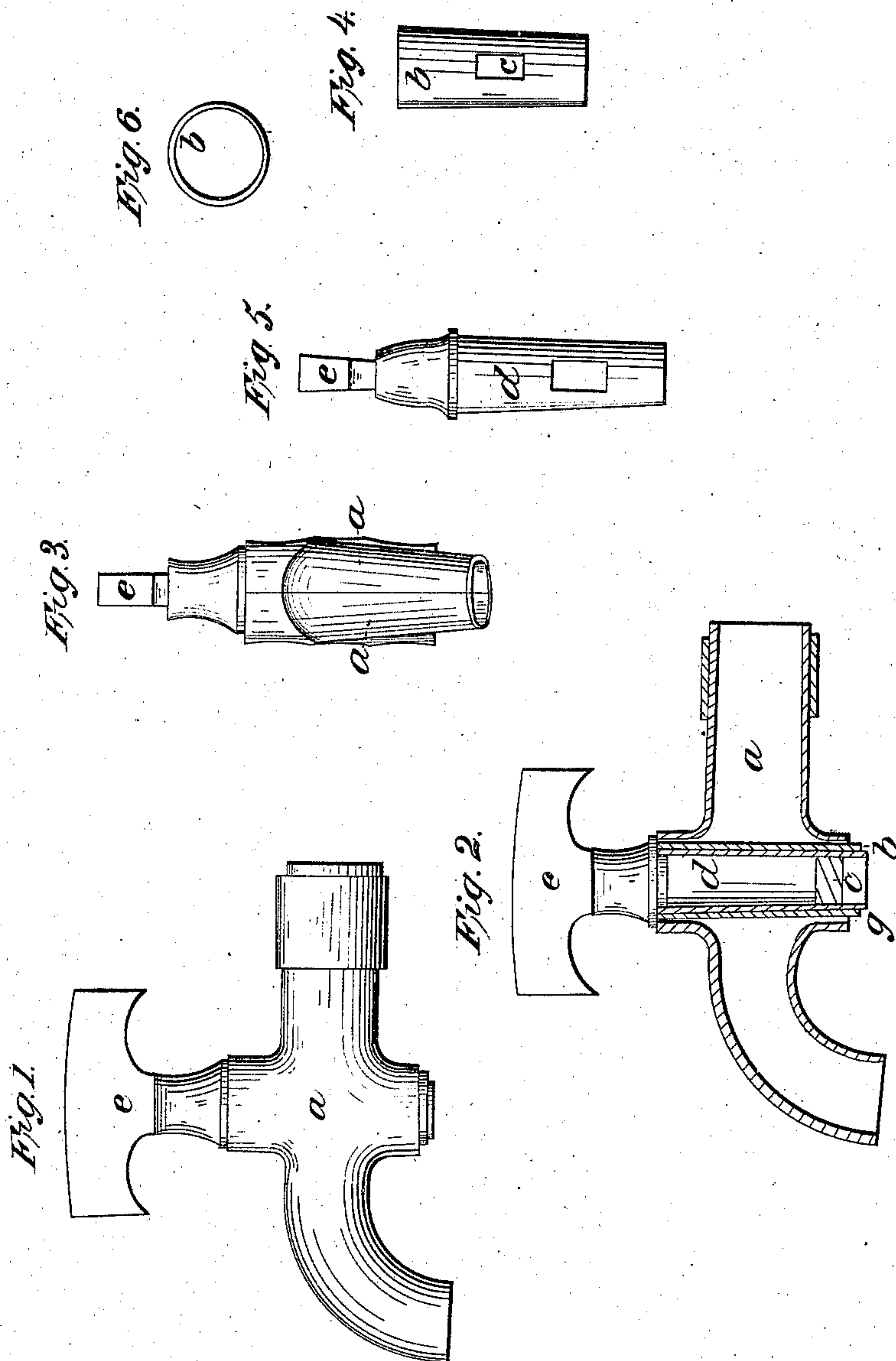


*W. Westlake,*

*Faucet.*

*N<sup>o</sup> 66,657.*

*Patented July 9, 1867.*



*Witnesses:*  
*T. Smith.*  
*L. & Jones.*

*Inventor:*  
*W. Westlake*  
*by Atty. O. P. Everett.*

United States Patent Office.

WILLIAM WESTLAKE, OF BROOKLYN, NEW YORK.

Letters Patent No. 66,657, dated July 9, 1867.

IMPROVED METHOD OF MANUFACTURING FAUCETS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM WESTLAKE, of the city of Brooklyn, in the State of New York, have invented a certain new, useful, and improved Faucet; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters and marks thereon, which said drawings form part of this specification, and show a faucet and certain parts thereof made under my invention—

Figure 1 of said drawings being a side view of the faucet.

Figure 2, a view by longitudinal section.

Figure 3, a view of the front end.

Figure 4, a view of the ferrule or socket

Figure 5, a view of the plug; and

Figure 6, a top view of the ferrule.

In each of these figures like parts are indicated by like marks and letters.

The object of my invention is to make a cheap and durable faucet, and this I effect by cutting out from sheet metal the main parts of the faucet, and then stamping or swaging them into form, and securing them together by brazing or soldering, as is hereinafter more fully set forth and described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction. I first cut out of sheet metal, such as brass, copper, tin, or other suitable material, forms for one-half of the faucet to be made, and of a proper shape for the faucet or cock, which I make of the various known forms, and then, by the use of dies constructed for that purpose, stamp or swage them right and left, so that when two are brought together they will form a faucet shell of the desired configuration, as shown at fig. 3. The two parts *a a* when brought to a proper form are brazed or soldered together, and form the body of the faucet or cock. It will be evident that the separate parts can be cut and swaged into form at one operation, and that ornamental figures, if desired, can be stamped upon the body of the faucet while it is being formed. I then form a ferrule of a single piece of metal, cut so that when the edges are brought together it will be somewhat conical. This ferrule *b* is inserted into the body of the faucet, as shown at fig. 2, making a strong support for the plug *d* when soldered in properly, and it also strengthens the body of the faucet. It is provided with holes for the passage through it of whatever fluid it is used to control, which holes register with similar holes or hole through the plug. The plug *d*, formed in its bearing part in the same way as the ferrule *b*, and made to fit inside of such ferrule, and to project somewhat above and below it. When the barrel of the plug is formed, I first insert and solder in the piece *f* to prevent its having a passage through it, unless it is desired to have the discharge through the plug, when it is left as formed. I then solder or braze in the head *e*, which is provided with suitable attachments for turning, and is cast of brass or other suitable metal. It can be attached to the body of the faucet by any of the known modes, but I prefer to "thin" the lower end below the stop *f*, and, when inserted in place, apply a reamer and spread the end, so that it will, by that means, be securely fastened.

For very small faucets, and even for large ones, the plug can be entirely cast, and for the small ones will be the preferable mode of making them. A separate band, as shown in fig. 1, can be used for attaching the faucet to the reservoir or pipe, or not, as may be deemed advisable. Faucets or cocks can thus be made of less material, and with less labor and fitting than by any of the modes heretofore known or in use.

Having thus fully described my faucet, and the method of constructing the same, what I claim as new, and desire to secure by Letters Patent, is—

1. The method of making faucets or cocks partly of sheet metal and partly of cast metal, substantially as described.

2. I also claim faucets or cocks, constructed in the method herein described, as a new article of manufacture.

This specification signed this 15th day of April, 1867.

Witnesses:

WM. UNDERHILL,

W. H. BLISH.

WILLIAM WESTLAKE.