

No. 773,018.

PATENTED OCT. 25, 1904.

W. J. KOHLER.  
DOUBLE BELL SUPPLY.  
APPLICATION FILED JUNE 30, 1904.

NO MODEL.

Fig. 1.

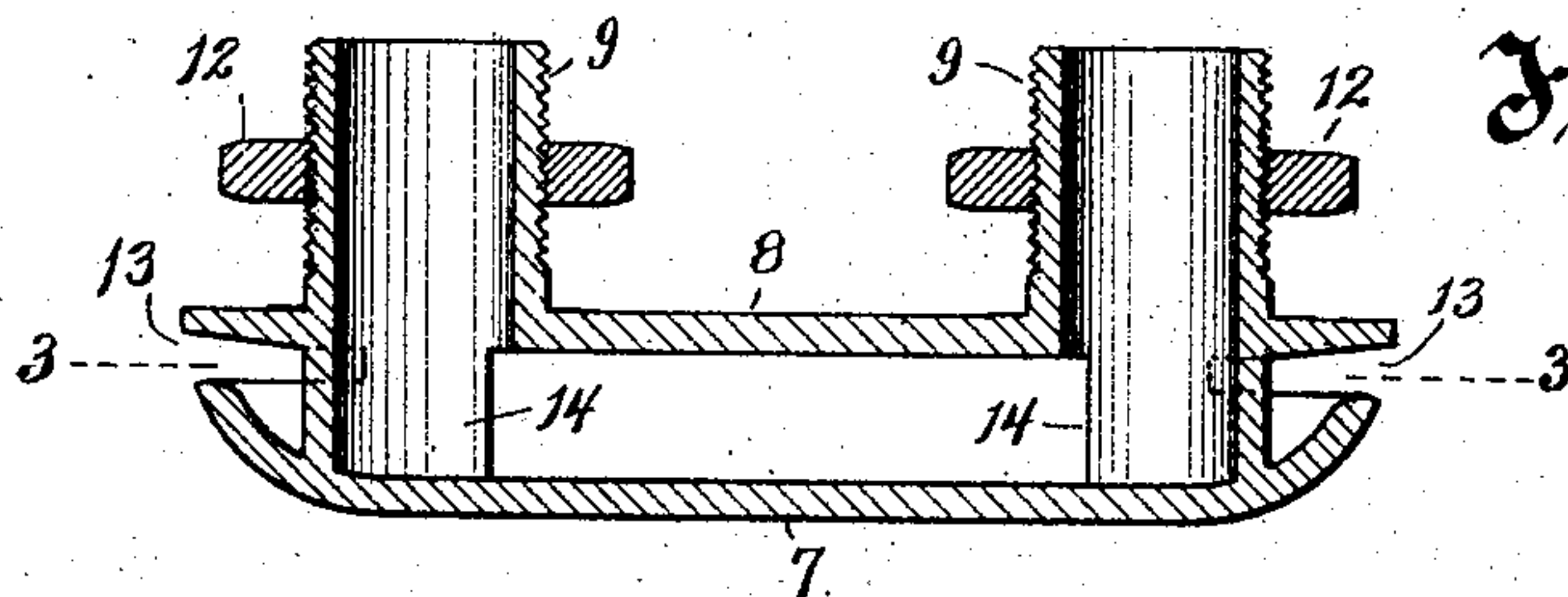
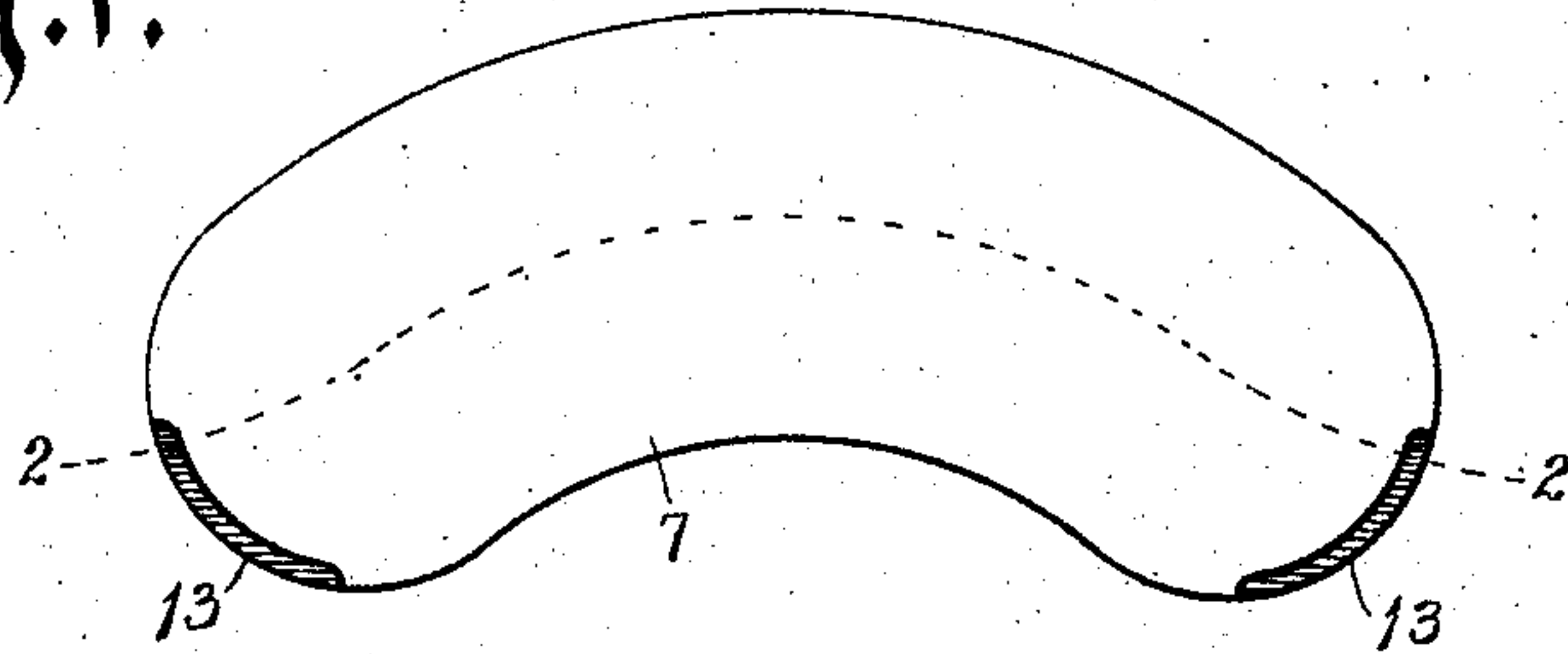


Fig. 2.

Fig. 3.

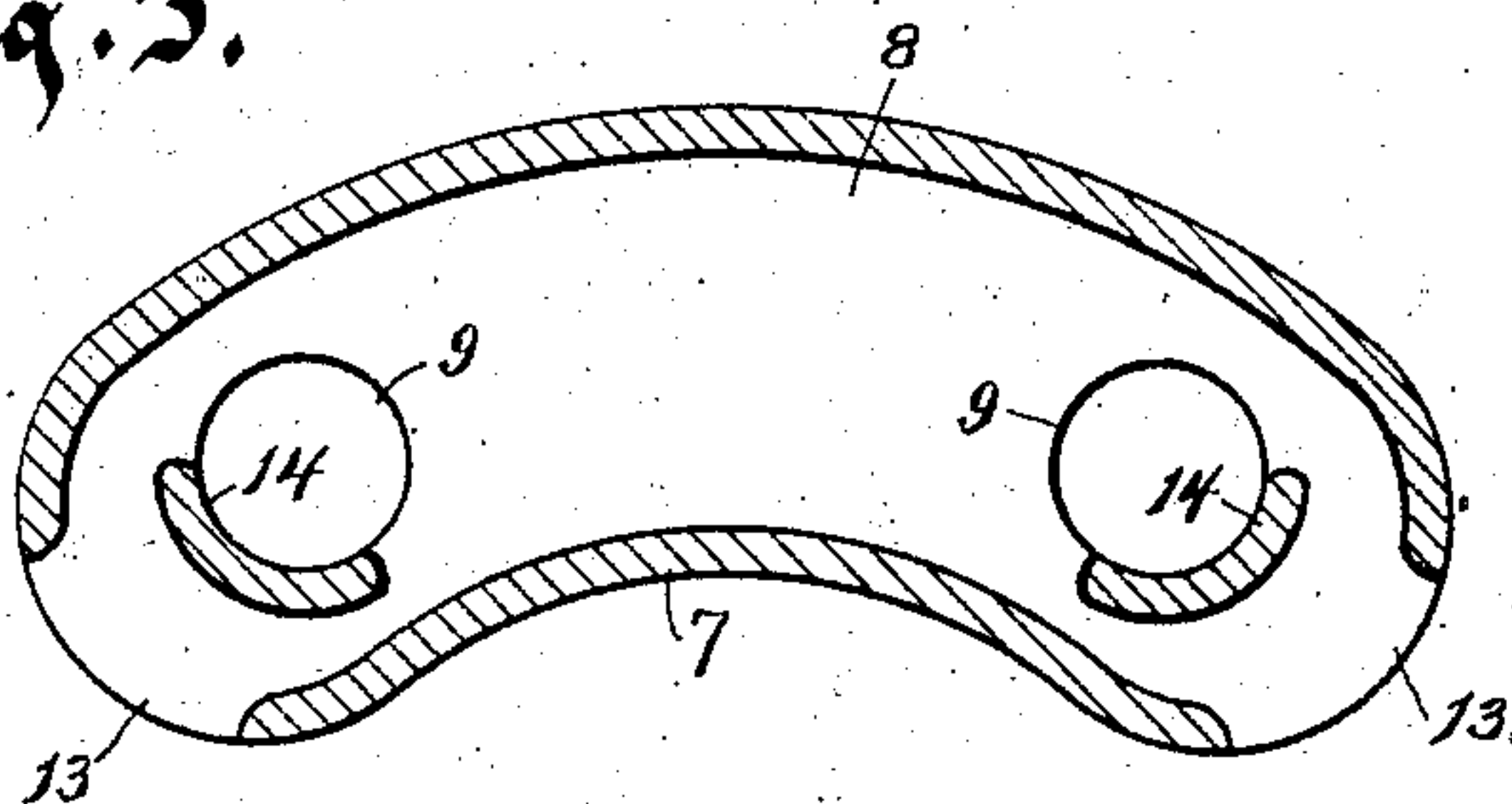
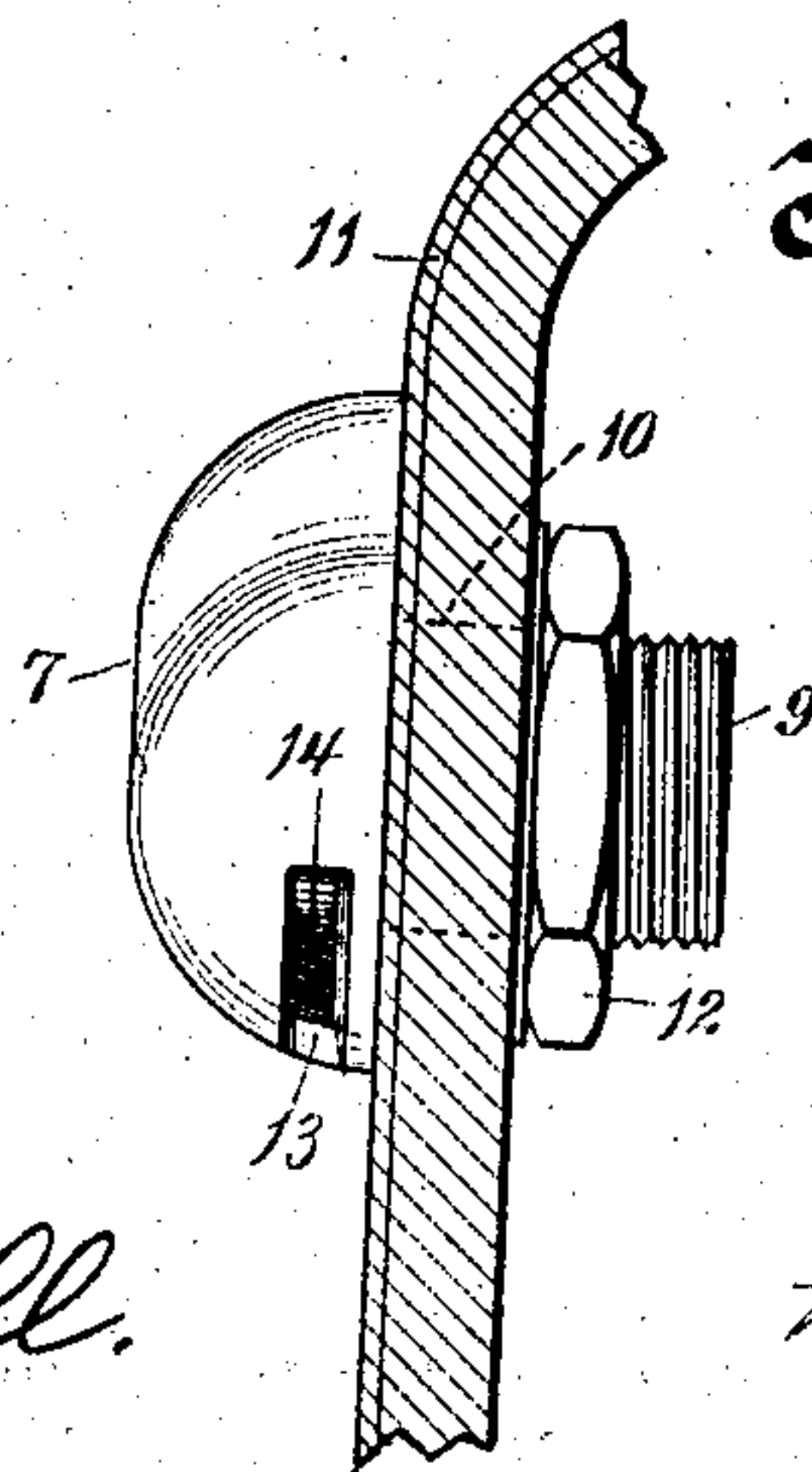


Fig. 4.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

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## DOUBLE-BELL SUPPLY.

SPECIFICATION forming part of Letters Patent No. 773,018, dated October 25, 1904.

Application filed June 30, 1904. Serial No. 214,709. (No model.)

*To all whom it may concern:*

Be it known that I, WALTER J. KOHLER, residing in Sheboygan, in the county of Sheboygan and State of Wisconsin, have invented new and useful Improvements in Double-Bell Supplies, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

This invention relates to a double-bell supply, and has for its object to provide a plumbing-fixture of this class with a mixing-chamber to mix the water admitted thereto by two different pipes before ejecting it into the bath-tub or other vessel.

Another object of this invention is to provide a neat and compact plumbing-fixture for bath-tubs and the like which is adapted to mix the hot and cold water before discharging the same and at the same time provide such a fixture with discharge-outlets adapted to noiselessly eject the water against the wall of the tub to which the fixture is attached.

With the above and other objects in view the invention consists in the devices and parts and their equivalents, as hereinafter set forth.

Referring to the accompanying drawings, in which like characters of reference indicate the same parts in the several views, Figure 1 is a front elevation of a double-bell supply embodying the present invention. Fig. 2 is a sectional view thereof, taken on the line 2 2 of Fig. 1. Fig. 3 is a sectional view thereof, taken on the line 3 3 of Fig. 2; and Fig. 4 is an end elevation of the device as applied to the wall of a bath-tub, which is shown in section.

In the drawings, 7 represents a mixing-chamber or casing, which is arc-shaped, as shown, with rounded ends and front and with a flattened back portion 8, having extending therefrom a pair of externally-threaded pipes or nipples 9. The nipples 9 are so spaced and located as to be adapted to fit within the usual openings 10 provided in the wall of a bath-tub 11 for the water-supply pipes and have threaded thereon suitable nuts 12 for securing

the double-bell supply to the wall of the bath-tub, leaving the threaded ends of the nipples 9 projecting, as shown in Fig. 4, for the connection thereto of the water-supply pipes.

The mixing-chamber 7 is provided at its ends with narrow outlet-slots 13, which are as far back as possible, the flattened back 8 being slightly tapered at these points to accommodate them, so that the streams of water issuing from the fixture will be directed against the wall of the bath-tub 11, and consequently the water will not splash as it runs into the tub and the usual noise of falling water is obviated.

In order to prevent the water from each of the nipples 9 passing directly out through its adjacent outlet-slot 13 without mixing with the water from the other nipple, arc-shaped baffle-walls 14 are provided in extension with the walls of each nipple 9, on the side thereof nearest the outlet-opening 13, which necessitates the water passing to the central portion of the mixing-chamber 7 to complete a thorough mixture of the hot and cold water before passing out of the outlet-openings 13.

While the arc shape of the casing 7 with the downwardly-turned ends, as shown, is preferred, it is obvious that the invention is not limited thereto and that other minor details of construction and arrangement shown and described do not restrict the scope of the invention.

It is obvious that a double-bell supply constructed as herein shown and described and having its nipples properly spaced apart may be fitted to any bath-tub or the like which is provided with the standard drilling, and therefore may be readily substituted for other standard fittings without redrilling the bath-tub.

What I claim as my invention is—

1. In a device of the character described, a casing, a pair of nipples thereon adapted to be connected with the hot and cold water pipes, said casing having outlet-slots near each nipple, and baffle-plates in the casing



near each outlet-slot to prevent the direct passage of water from the nipples to the outlet-slots.

2. In a device of the character described, a casing having a mixing-chamber, a pair of nipples thereon adapted to be connected with the hot and cold water pipes, said mixing-chamber being provided with outlet-slots near each nipple, and curved baffle-plates within the mixing-chamber to prevent the direct flow of water from the nipples to the outlet-slots.

3. In a device of the character described, a casing forming a mixing-chamber, a pair of nipples on the casing adapted to be connected to the hot and cold water pipes, said mixing-chamber having outlet-slots near each nipple, and arc-shaped baffle-plates within the mixing-chamber in alinement with the walls of the nipples and adapted to prevent the direct flow of water from the nipples to the outlet-slots.

4. In a device of the character described, an elongated casing forming a mixing-chamber, a nipple at each end thereof adapted to be connected to the hot and cold water pipes respectively, said mixing-chamber having out-

let-slots at the ends thereof, and baffle-plates in the mixing-chamber adapted to prevent the direct flow of water from the nipples to the outlet-slots.

5. In a device of the character described, a hollow elongated arc-shaped casing with rounded ends and front and with a flattened back portion and having a mixing-chamber formed therein, nipples on the back of the casing communicating with the mixing-chamber and adapted to be connected to the wall of a bath-tub or the like and to have connection with the hot and cold water supply pipes, said casing being provided with outlet-slots in its ends adapted to discharge against the wall of the bath-tub or the like, and arc-shaped baffle-plates within the casing in extension of the walls of the nipples and adapted to prevent the direct flow of water from the nipples to the outlet-slots.

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

WALTER J. KOHLER.

Witnesses:

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