J. R. DONNELLY.

DRIP CUP FOR GAS WATER HEATERS.

APPLICATION FILED JULY 20, 1908.

**910,796.** Patented Jan. 26, 1909.

FIG. 1

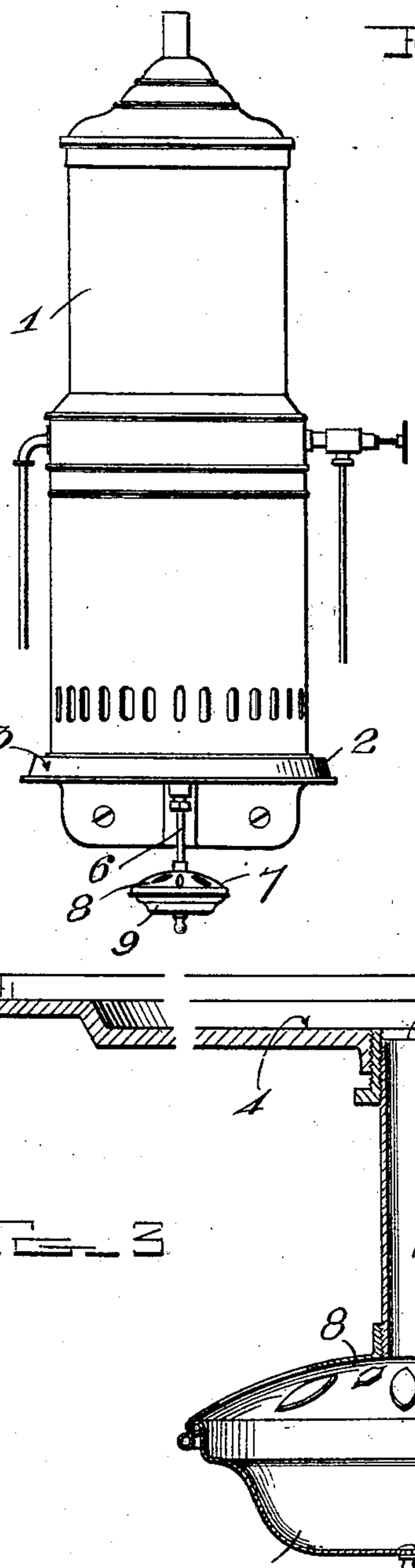


FIG. 2

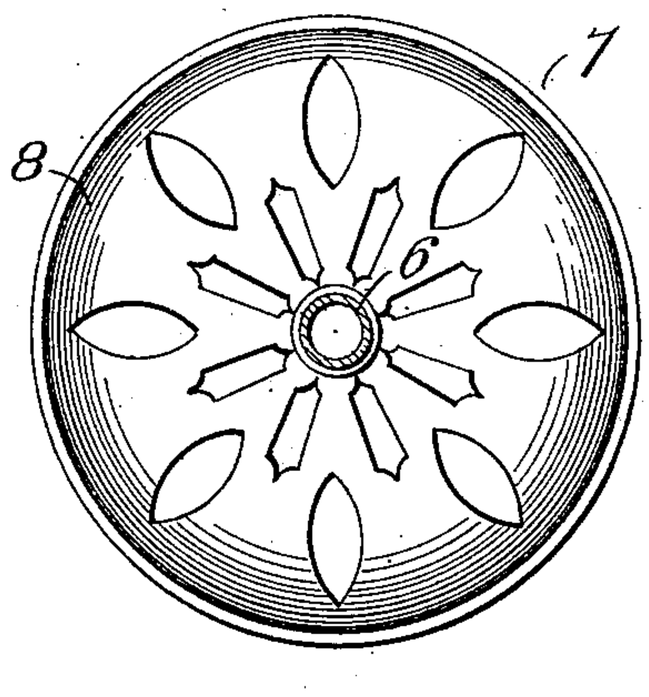


FIG. 3




Witnesses

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# UNITED STATES PATENT OFFICE.

JOHN R. DONNELLY, OF AUSTIN, TEXAS.

## DRIP-CUP FOR GAS WATER-HEATERS.

No. 910,796. Specification of Letters Patent. Patented Jan. 26, 1909.

Application filed July 20, 1908. Serial No. 444,379.

*To all whom it may concern:*

Be it known that I, JOHN R. DONNELLY, a citizen of the United States, residing at Austin, in the county of Travis and State of Texas, have invented certain new and useful Improvements in Drip-Cups for Gas Water-Heaters; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in drip cup attachments for gas water heaters.

The object of the invention is to provide an attachment of this character adapted to be connected to the supporting tray or shelf of a gas water heater, whereby the water of condensation which accumulates on and drips from the surface of the heater will be caught.

A further object is to provide a drip cup of this character formed in sections adapted to be separated for the purpose of cleaning, and having means whereby the water caught thereby will be permitted to evaporate.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a side view of a portion of a gas heater and its supporting shelf showing the application of my attachment thereto; Fig. 2 is a top plan view of the attachment removed; and Fig. 3 is a vertical sectional view of the supporting shelf for the heater and the attachment as applied thereto.

Referring more particularly to the drawings, 1 denotes the heater, which may be of the usual or any preferred construction, and which is here shown as supported upon the usual shelf or supporting tray, 2. The shelf is provided adjacent to its outer edge with a retaining flange, 3, and in its central part is a depressed or recessed portion, 4, in which the water of condensation which accumulates on the outer surface of the heater drips.

In the depressed portion of the shelf is formed a discharge passage, 5, with which is connected a pipe nipple, 6, to the lower end of which is connected my improved drip cup, 7. The nipple, 6, may be attached to the shelf and the drip cup may be attached to the nipple in any suitable manner.

The drip cup is here shown and preferably consists of upper and lower detachable sections, 8 and 9, said upper section being provided with a series of openings whereby air is admitted to the cup to cause the evaporation of the drippings accumulated therein. The cup may be of ornamental design and formed in any suitable shape. The lower section of the cup is here shown as in the form of a saucer-shaped receptacle, while the upper section is in the form of a cap, or cover, having an annular depending flange formed on its outer edge and adapted to fit over and closely engage the upper edge of the lower section, whereby said lower section is supported and held in engagement with the upper section.

By the use of a drip cup constructed as herein shown and described, the necessity of providing a waste-pipe for carrying off the drip water is obviated, and the water is caught and permitted to evaporate and in this manner disposed of without trouble or inconvenience.

By forming the cup in separable sections, the latter may be taken apart for the purpose of cleaning or removing any objects which may have fallen into the same.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters-Patent, is:

1. A drip cup of the character described comprising a hollow receptacle formed of a lower section and an upper section detachably secured together, said upper section having formed therein a series of apertures, and a nipple whereby said upper section is operatively connected to the shelf of a gas water heater.

2. A drip cup comprising a hollow receptacle formed of a saucer-shaped lower section, an upper apertured section having formed thereon an annular depending flange adapted to fit into close engagement with the upper edges of the lower section whereby said sec-

tions are held together in operative position, and a nipple to connect said upper section with the shelf of a gas water heater.

3. A drip cup comprising a hollow receptacle formed of an upper apertured section having on its lower edge an annular depending flange provided with a bead, a lower section, an annular upwardly projecting flange on said lower section, said flange having a bead adapted to be engaged with the depending flange on said upper section whereby said sections are detachably connected together, and means to attach said upper section to the shelf of a water heater.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN R. DONNELLY.

Witnesses:
W. ZILLER,
W. LIMMING.