

No. 745,571.

PATENTED DEC. 1, 1903.

J. T. COLE.
WATER COOLER EQUIPMENT.
APPLICATION FILED APR. 11, 1903.

NO MODEL.

Fig. 2.

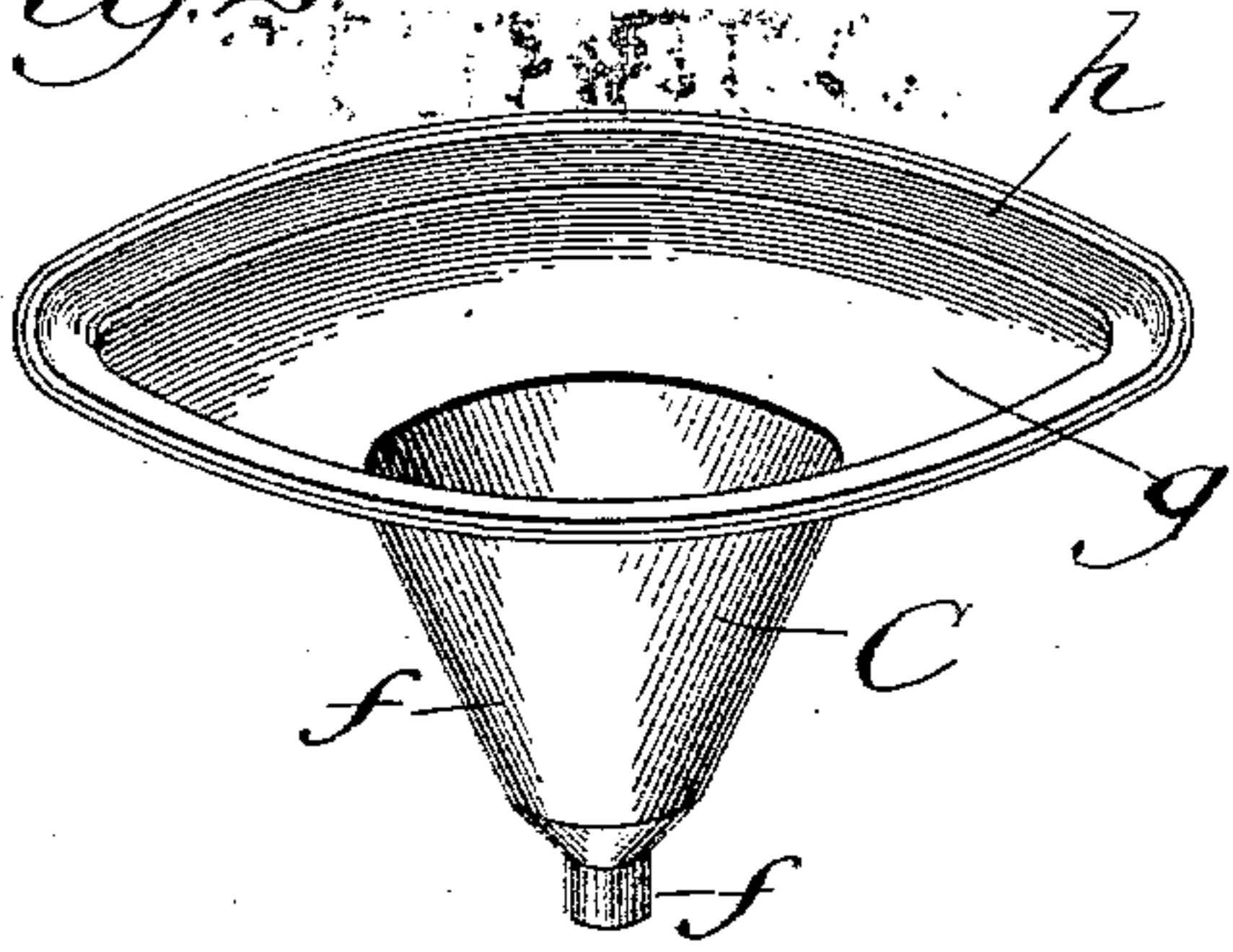
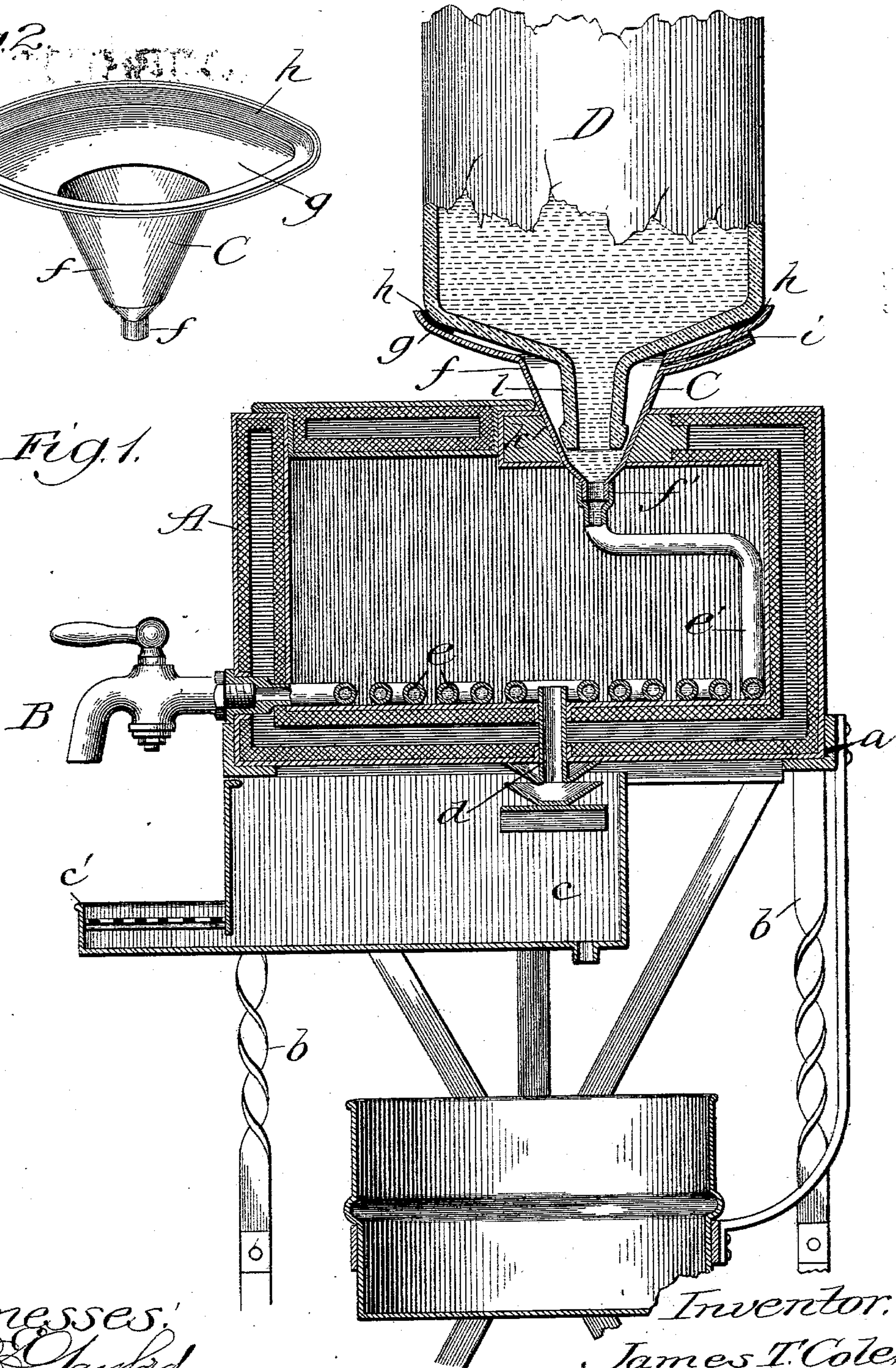


Fig. 1.



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UNITED STATES PATENT OFFICE.

JAMES T. COLE, OF CHICAGO, ILLINOIS.

WATER-COOLER EQUIPMENT.

SPECIFICATION forming part of Letters Patent No. 745,571, dated December 1, 1903.

Application filed April 11, 1903. Serial No. 152,171. (No model.)

To all whom it may concern:

Be it known that I, JAMES T. COLE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have
5 invented a new and useful Improvement in Water-Cooler Equipments, of which the following is a specification.

My invention relates to an improvement in the class of appurtenances commonly known
10 as "water-coolers," which are provided, as their more ordinary use, in offices and households and in public places for supplying drinking-water furnished from time to time, as the supply requires replenishment, by
15 dealers in such water. It is a common practice of such dealers to distribute the drinking-water to their customers in portable holders, such as sheet-metal cans and glass bot-
20 tles, each containing a predetermined quantity, (usually a number of gallons,) and means have been provided for adapting the holder to be used in connection with a cooler by sup-
25 porting it thereon in inverted position with its neck opening into a pipe-coil to discharge by ice in the cooler-chamber and from which it is drawn off for drinking.

The primary object of my invention is to provide a novel, very simple, and substantial construction of holder-supporting equipment for
30 such a water-cooler which shall adapt a holder containing the supply of drinking-water to be readily seated at its neck on the cooler into communication with the pipe-coil therein by
35 merely placing it in the cooler in inverted position and without requiring for sustaining the holder in its position or to prepare it for use that it or that any mechanism for the purpose be manipulated.

40 In the accompanying drawings, Figure 1 is a broken view, in vertical sectional elevation, of a water-cooler provided with my improved holder-supporting equipment and showing a water-bottle in place thereon; and Fig. 2, a
45 perspective view of the holder-support.

The water-cooler may involve any known or suitable general construction. That represented in the drawings comprises a cooler-tank A, resting on a bed *a*, supported on braced
50 legs *b*, with a withdrawable and replaceable waste-water receptacle *c* on the base of the tank, having a drinking-glass support *c'* ex-

tending from it and into which the tank discharges through a sealed drip-pipe *d*. In the tank A is contained a pipe-coil *e*, leading to a
55 draw-off faucet B.

C is the holder-support, comprising, essentially, a neck *f*, provided about its outer end with an expanded rim *g*, forming a seat for the shoulder portion of a bottle D or other
60 water-holder. The preferred construction of the support C is that illustrated, in which the shoulder-seat is dished and provided about its inner surface, near its edge, with a gasket
65 *h* and at any suitable point on its under side with a vent-tube *i*, opening into the neck portion *f*, and the neck *f* is contracted or formed tapering toward its open seating end, where it terminates in a nipple *f'*. The support C is
70 seated at its neck *f* in an opening *k*, formed through the top wall of the tank A, in which the support is stably retained, and at the nipple *f'* connection is made with the end of the rising leg *e'* of the coil *e*.

To adjust a holder D full of water on the
75 cooler, the seal is first removed, (as the cork from its neck,) when the holder is tipped into the support C to cause its neck *l* to enter the neck *f* of the support and the shoulder portion of the holder to rest on the shoulder-seat
80 *g* of the support against the gasket *h*, whereby the junction is rendered air-tight to exclude dust and other foreign matter that would tend to contaminate the water. In tip-
85 ping the holder to thus adjust it some of its contents flow into the coil, rising therein and in the neck *f*, as indicated, to a level to or below which the mouth of the holder-neck *l* reaches. Thereafter the space about the
90 holder-neck being vented through the tube *i*, which may be provided with a vent-cock (not shown) to exclude dust and the like, though such provision is not necessary, whenever the
cock B is opened water will flow, being drawn directly from the holder D through the coil,
95 in which it may be cooled by a supply of ice (not shown) in the tank.

It is found in practice, particularly when the shoulder-seat *g* is unprovided with a gasket, that a special vent on the support C may
100 be dispensed with.

What I claim as new, and desire to secure by Letters Patent, is—

1. In combination with a water-cooler, a

support for a water-holder in inverted position, comprising a neck communicating with a pipe-coil in the cooler-tank and an expanded rim about the outer end of said neck, and
5 a water-holder in inverted position on said support with its neck within the neck of the support and its shoulder seating upon the rim thereof.

2. In combination with a water-cooler, a
10 support for a water-holder in inverted position, comprising a neck communicating with a pipe-coil in the cooler-tank and a gasket-equipped expanded rim about the outer end of said neck, and a water-holder in inverted
15 position on said support with its neck within the neck of the support and its shoulder seated upon the rim thereof.

3. In combination with a water-cooler, a

support for a water-holder in inverted position, comprising a tapering vented neck portion seated on the cooler-tank to open into the
20 pipe-coil therein, and a dished seat for the shoulder of said holder about the outer end of the support-neck.

4. In combination with a water-cooler, a
25 support for a water-holder in inverted position, comprising a tapering vented neck portion seated on the cooler-tank to open into the pipe-coil therein, a vent-tube opening into said neck, and a dished gasket-equipped seat
30 for the shoulder of said holder about the outer end of the support-neck.

JAMES T. COLE.

In presence of—

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WALTER N. WINBERG.