F. J. STAYTON.

PERCOLATOR.

APPLICATION FILED MAY 28, 1908.

921,907. Patented May 18, 1909.

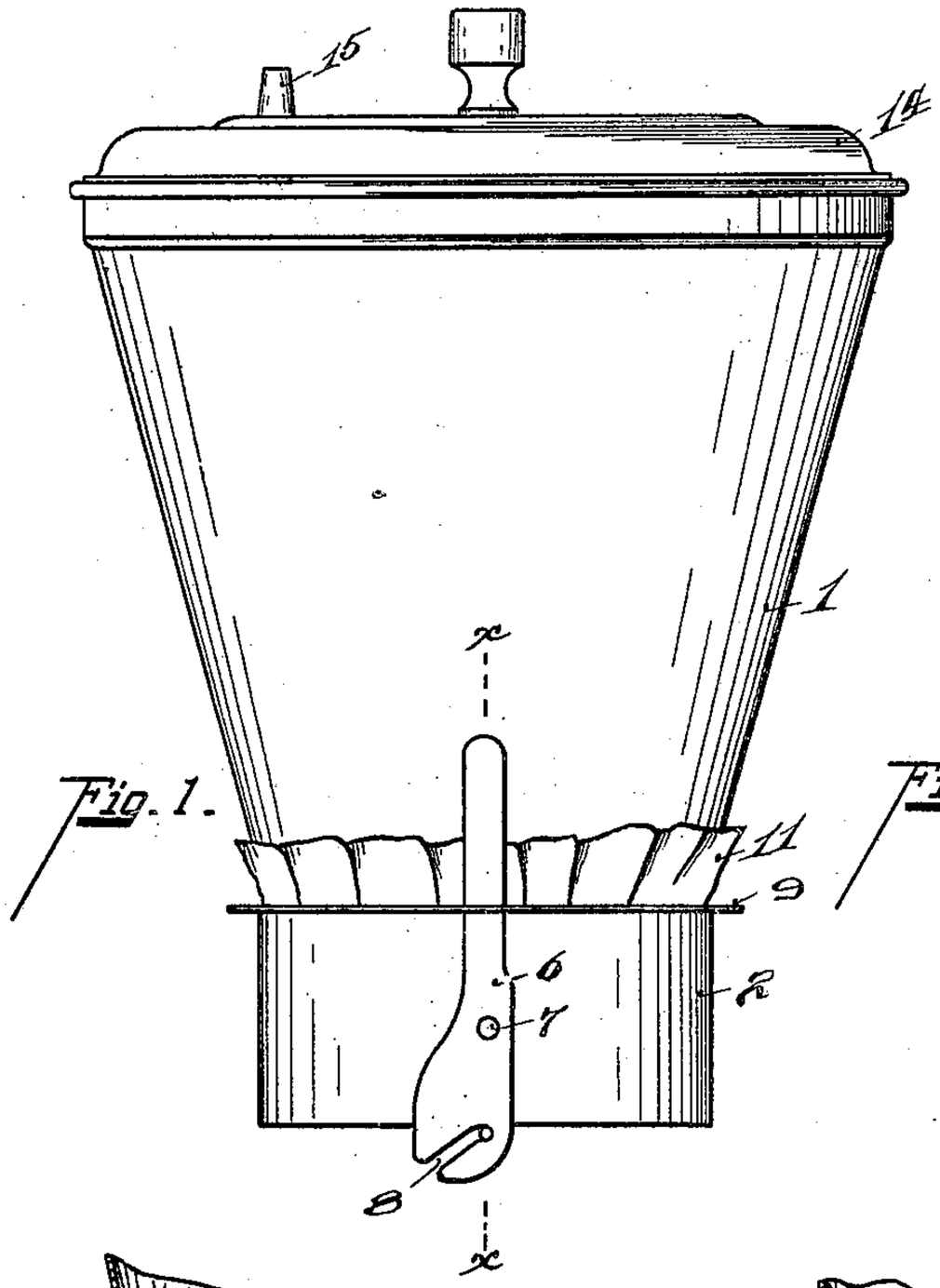

Fig. 1.

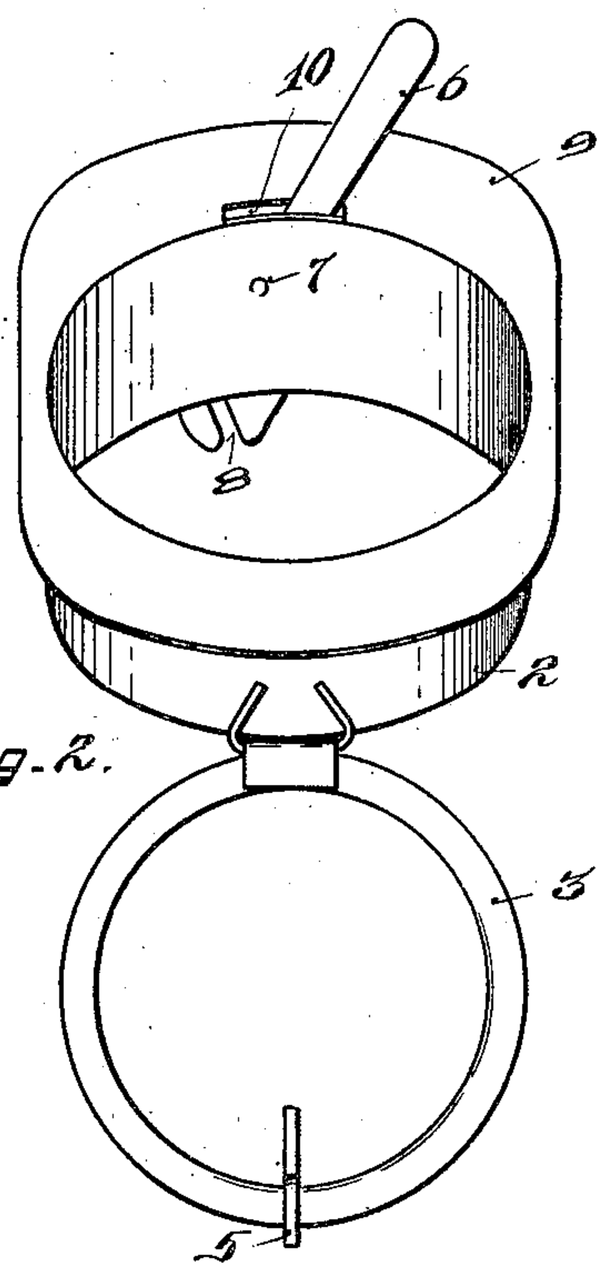

Fig. 2.

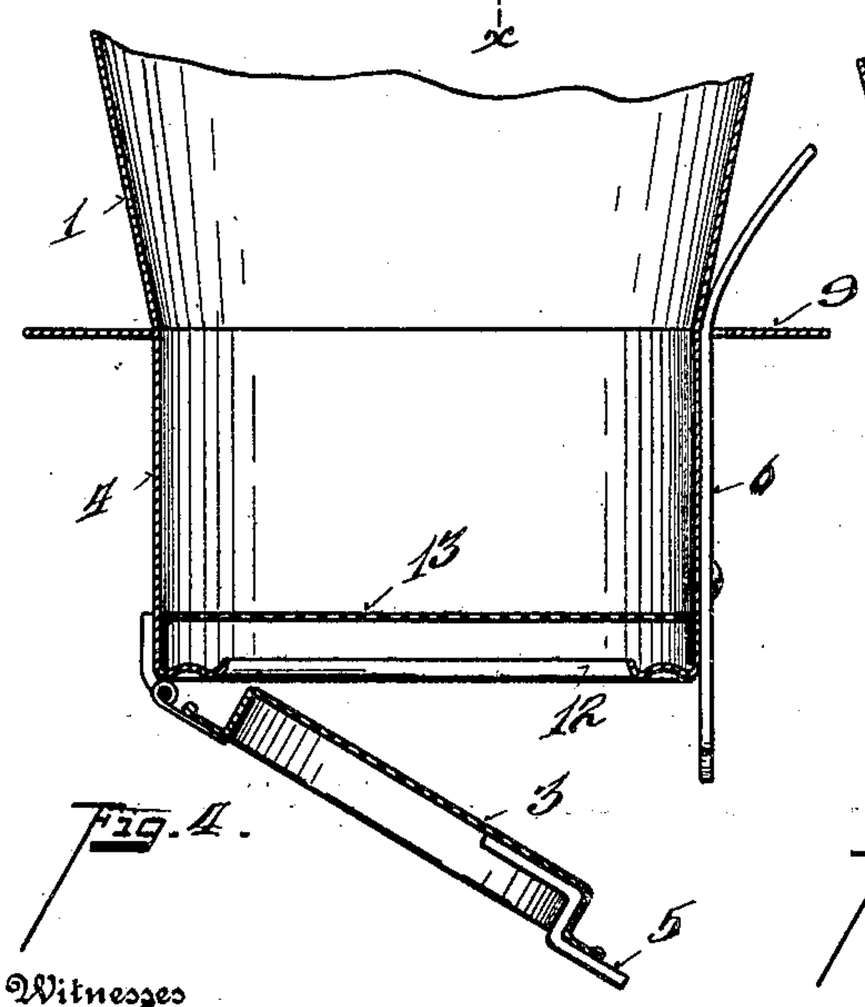

Fig. 4.

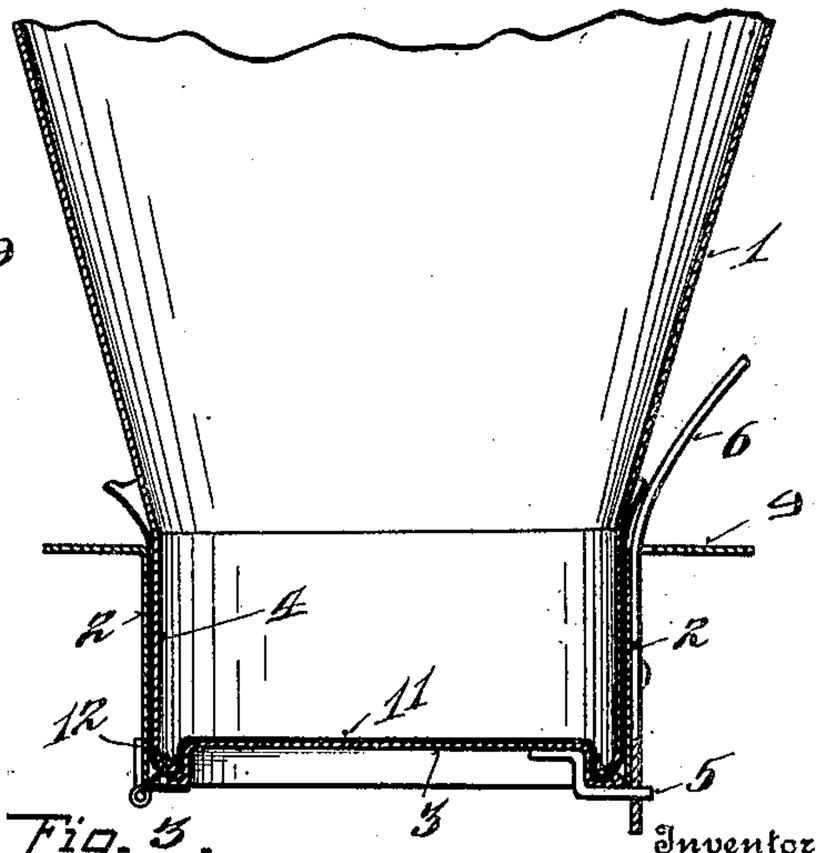

Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

FRANK J. STAYTON, OF MADISONVILLE, OHIO, ASSIGNOR TO A. NIELEN & COMPANY, OF CINCINNATI, OHIO, A COPARTNERSHIP.

PERCOLATOR.

No. 921,907. Specification of Letters Patent. Patented May 18, 1909.

Application filed May 28, 1908. Serial No. 435,486.

To all whom it may concern:

Be it known that I, FRANK J. STAYTON, a citizen of the United States, residing at Madisonville, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Percolators, of which the following is a specification.

My invention relates to an improvement in a percolator for coffee pots.

One of the objects of my invention is to provide a receptacle with means for securing a fabric strainer at the discharge end thereof, together with means for sealing the discharge end for infusion or steeping of the contents of the receptacle.

Another object of my invention is to provide a receptacle with detachable means for securing the fabric strainer to the discharge end of the receptacle, together with means for sealing the discharge end of the receptacle, provided with means for releasing the seal at a point above the discharge end of the receptacle, enabling the receptacle to be inserted into a receiver receptacle and release the lock without removing the receptacle.

Another object of my invention is to provide a percolator adapted to be seated within a receiving vessel or receptacle with means for sealing the discharge end and means for releasing said seal at a point above the mouth of the receiving vessel.

The features of my invention will be more fully set forth in the description of the accompanying drawing forming a part of this specification, in which:—

Figure 1 is an elevation of my improved percolator. Fig. 2 is a perspective of the detachable sleeve and cap for securing a fabric strainer at the discharge end of the percolator when sealing the same. Fig. 3 is a section on line *x*, *x*, Fig. 1. Fig. 4 illustrates the modified form in which a permanent strainer is employed, primarily adapted for tea.

The percolator, as shown, is primarily adapted to be used in conjunction with an ordinary coffee or tea pot into which it is inserted to a given depth, the percolator being provided with a hinged cap to seal its discharge end and held in position and released by a lever, the release being effected without removing the percolator after the beverage has been steeped the desired length of time.

1 represents the body portion of the percolator, preferably of funnel-shape, provided with the cylindrical extension 4 at the discharge end thereof. 2 represents a detachable sleeve adapted to fit over the cylindrical portion 4, serving to clamp and hold the strainer fabric 11 in position over the discharge end of the percolator. This construction enables the ready insertion and removal of the strainer fabric desirable when pulverized coffee is used.

The sleeve 2 is provided with a hinged cap 3 having a pin 5 projecting laterally therefrom.

6 represents a lever pivoted at 7 to the sleeve 2 and provided with an inclined camway 8 for locking and releasing the cap.

9 represents a flanged extension formed on the sleeve 2 forming a support for the percolator when inserted in the coffee pot. Said flange is provided with a slot 10 through which the lever 6 projects, thereby bringing the lever above the mouth line of the coffee pot enabling the control of the cap without removing the percolator from its position in the pot.

The cylindrical discharge end 4 of the percolator is preferably provided with the inwardly extended flange 12 forming a seat for the cap 3 to effect a seal at the discharge end.

14 represents a cap for closing the mouth of the percolator and 15 a vent.

In the modification shown in Fig. 4, the removable sleeve is dispensed with and the cap 3 is hinged to the cylindrical discharge end of the percolator. In this construction a permanent strainer 13 is employed with the functions and operation exactly the same as I have described for the form shown in Fig. 1. The flange 9 is formed directly on the percolator. This form of percolator is primarily adapted for tea.

The operation of the percolator, or its use, is as follows:—The discharge end is sealed and then placed in position on a receiving vessel. Coffee or tea is then placed in the percolator, after which hot water is poured therein. The mouth of the percolator is then closed with cap 14 and the contents allowed to steep the desired length of time, after which the lever is tripped, permitting the cap to swing down and the beverage to percolate through the strainer.

Having described my invention, I claim:—

A receptacle for the purpose specified, provided with a cylindrical discharge end, a cap

seat on its inner periphery, a fabric strainer, a sleeve telescoping said discharge end for detachably securing said fabric, a cap hinged to said sleeve adapted to engage into said seat, a lever provided with means for engaging means on said cap coacting therewith for locking the cap in its seat and releasing the same, and a flange projecting from said sleeve for supporting the same upon a second receptacle, substantially as described.

In testimony whereof, I have hereunto set my hand.

FRANK J. STAYTON.

Witnesses:

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