

No. 774,910.

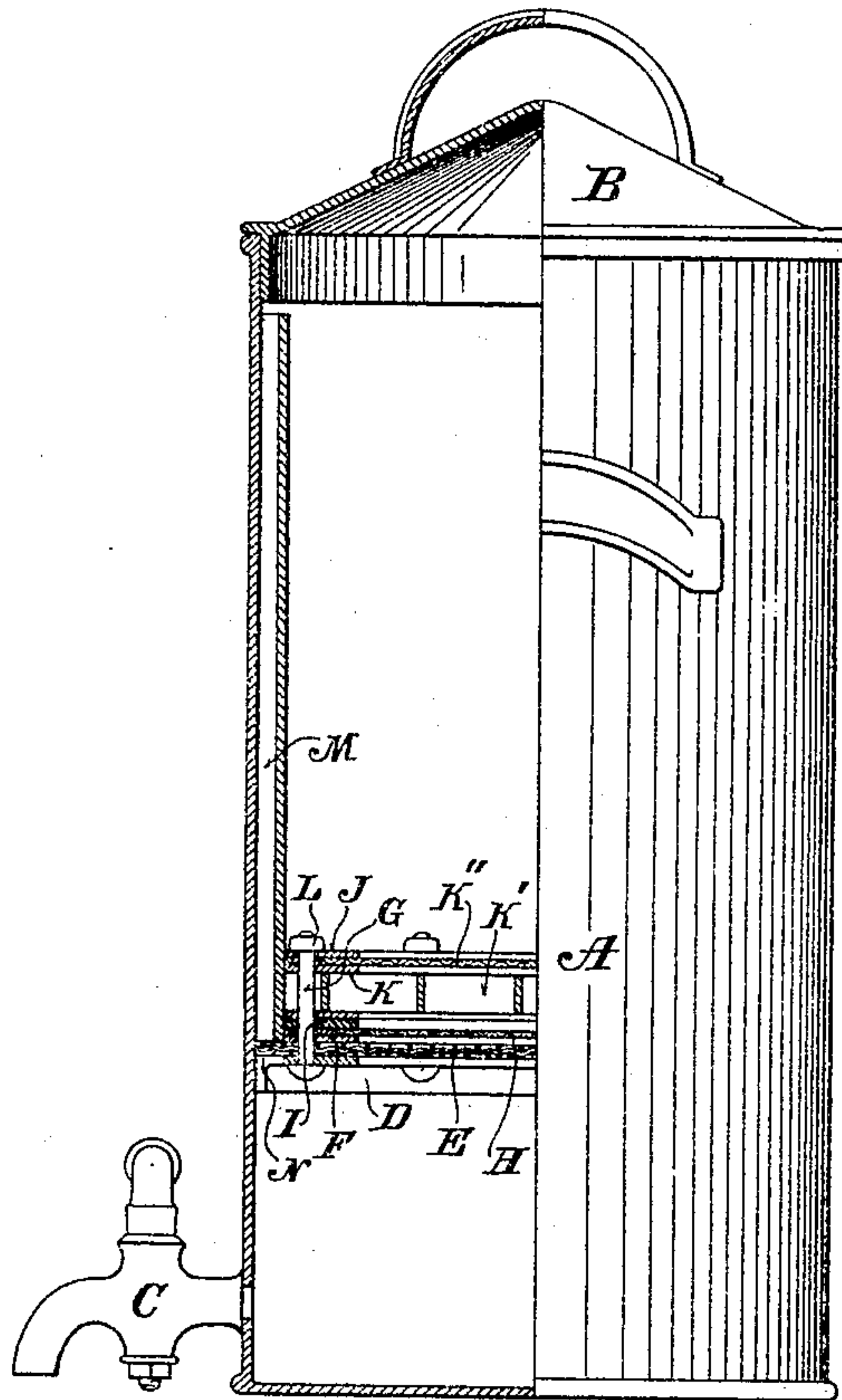
PATENTED NOV. 1, 1904.

W. B. WEBBER.

PERCOLATOR.

APPLICATION FILED MAY 23, 1904.

NO MODEL.



WITNESSES

Chas. L. Hyde.
Amie B. Baker.

INVENTOR

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UNITED STATES PATENT OFFICE.

WILLIAM B. WEBBER, OF LOS ANGELES, CALIFORNIA, ASSIGNOR TO THE ROYAL COMMERCIAL COMPANY, OF LOS ANGELES, CALIFORNIA, A CORPORATION OF CALIFORNIA.

PERCOLATOR.

SPECIFICATION forming part of Letters Patent No. 774,010, dated November 1, 1904.

Application filed May 23, 1904. Serial No. 209,405. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. WEBBER, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Percolators, of which the following is a specification.

My invention relates to a percolator primarily designed for making simple syrup; and the object thereof is to produce a simple and efficient percolator in which the operation of making simple syrup is practically continuous. I accomplish this object by the percolator described herein and illustrated in the accompanying drawing, which is a view partly in elevation and partly in section.

In the drawing, A is a metallic can or receptacle provided with a removable cover B and having a faucet C at the bottom thereof, through which the syrup (not shown) may be drawn off. Above the faucet is the annular ledge D, which is securely soldered to the side of the can at a suitable height above the bottom of the receptacle. To this ledge is soldered a coarse-wire screen E. Upon the top of this screen is soldered a flat annular ring of metal F. Passing through the projecting portion of the ledge and through the edges of screen and metal ring at suitable distances apart are bolts G, which are rigidly secured thereto, preferably by soldering the same thereto. Upon these bolts is placed a filter-cloth H, which covers the ring F and screen E. An annular gasket I is slipped upon the bolts, holes being provided therein for that purpose, and rests upon the filter-cloth. For the smaller sizes of percolators an annular flat metallic ring J, having holes therein to slip on the bolts, is placed upon the gasket, and the nuts L are screwed onto the bolts until the gasket is compressed to form a liquid-tight joint around the outer edge of the filter-cloth. For the larger sizes of percolators I place between the gasket I and the annular metallic ring J a supporting-frame. This frame is composed of a flat annular metallic ring K, to which are secured the vertical strips K', which are preferably

about an inch apart each way and half an inch in height. To these vertical strips is secured a medium-fine-wire screen K". This supporting-frame is provided with holes to pass over the bolts and is placed on the gasket and the ring J placed on top thereof and the nuts screwed on the bolts until the gasket is compressed to form a liquid-tight joint around the outer edge of the filter-cloth.

In the operation of my percolator when large sizes are used the sugar is placed on the supporting-frame after the parts are secured together. In the use of the smaller sizes the supporting-frame may be omitted and the sugar is placed on the filter-cloth. Water is then poured upon the sugar and as it passes therethrough becomes saturated with saccharine matter and passes through the filter-cloth and into the lower part of the receptacle, where it can be drawn off through the faucet ready for use, a vent-tube M admitting air-pressure below the filter-cloth through port N in the ledge. The supporting-frame retains the coarser impurities and the filter-cloth retains the finer impurities, and a pure simple syrup is obtained thereby. From time to time more sugar and more water can be put into the percolator. When there has been collected on the supporting-frame or the filter-cloth a sufficient amount of impurities to affect the effective operation of the percolator, these parts may be removed and cleaned.

My percolator may be used for any other desired purpose for which it is adapted, and other means may be used for securing the filter-cloth in place in the receptacle.

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

1. A percolator comprising a receptacle; a ledge secured to the sides thereof; a supporting-screen rigidly secured to the ledge; a plurality of bolts threaded at the top, secured to said ledge and screen and projecting upwardly therethrough; a removable filter-cloth upon said screen; an annular gasket upon said bolts and the edge of said filter-cloth; an annular metallic ring upon said gasket; nuts upon said

bolts adapted to be screwed down thereon to cause the gasket to form a liquid-tight joint around the edge of the filter-cloth; a vent-tube opening below said filter-cloth; a faucet below
5 said filter-cloth.

2. A percolator comprising a receptacle; a ledge secured to the sides thereof; a supporting-screen rigidly secured to the ledge; a plurality of bolts threaded at the top, secured to
10 said ledge and screen and projecting upwardly therethrough; a removable filter-cloth upon said screen; an annular gasket upon said bolts and the edge of said filter-cloth; a supporting-frame upon said filter-cloth; an annular me-

tallic ring on said supporting-frame; an an- 15
nular metallic ring upon said frame; nuts upon said bolts adapted to be screwed down thereon to cause the gasket to form a liquid-tight joint around the edge of the filter-cloth; a vent-
tube opening below said filter-cloth; a faucet 20
below said filter-cloth.

In witness that I claim the foregoing I have hereunto subscribed my name this 16th day of May, 1904.

WILLIAM B. WEBBER.

Witnesses:

G. E. HARPHAM,

MARGARETE C. NICKELSON.