J. KAUFER.

DEVICE FOR MAKING SYRUP.

APPLICATION FILED JUNE 28, 1913.

1,094,660. Patented Apr. 28, 1914.

Fig. 1.

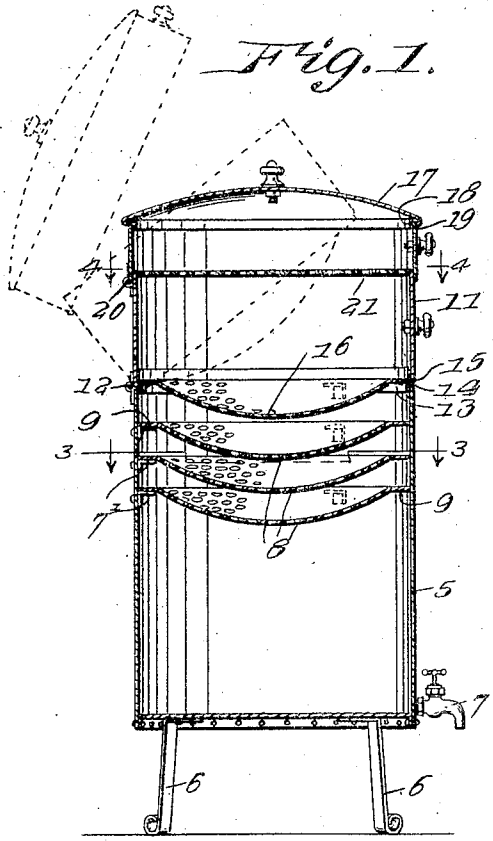


Fig. 2.

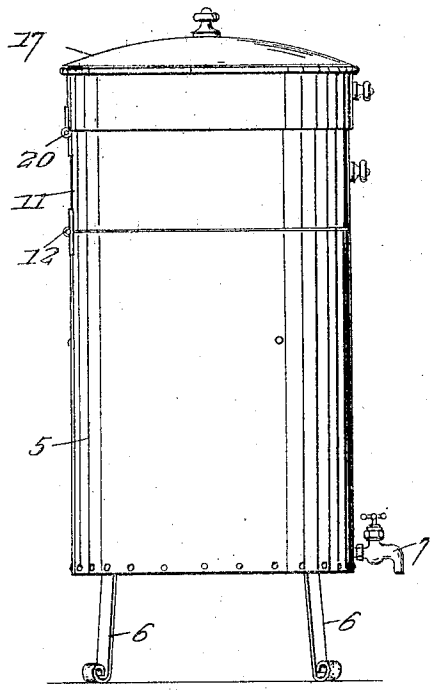


Fig. 3.

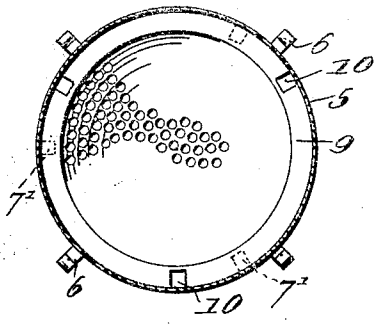
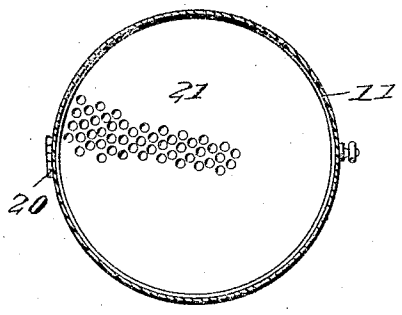


Fig. 4.



Witnesses

P. A. Patnaude.

L. C. Lackey.

Inventor

Joseph Kaufer,

by Marks & Clarke,

Attorneys

NORRIS PETERS, INC., LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOSEPH KAUFER, OF WILKES-BARRE, PENNSYLVANIA.

DEVICE FOR MAKING SYRUP.

1,094,660. Specification of Letters Patent. Patented Apr. 28, 1914.

Application filed June 28, 1913. Serial No. 776,348.

To all whom it may concern:

Be it known that I, JOSEPH KAUFER, a citizen of the United States of America, and resident of Wilkes-Barre, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Devices for Making Syrup, of which the following is a specification.

This invention relates to devices for making syrup and it relates particularly to a device for making what is usually termed "simple syrup," which is produced by the dissolution of sugar by subjecting it to the action of water which percolates the mass of sugar suspended or supported in an appropriate manner to permit the passage of the syrup through the said support.

A further object of this invention is to produce a device of the character indicated, comprising parts readily dismantled or assembled for the purpose of cleansing the said parts and for the further purpose of loading or applying the sugar and water to the same.

A still further object of this invention is to provide a device of the character stated comprising a series of means for arresting foreign substances which may be found in the sugar or in the water, thus producing a clear, pure syrup for use in connection with charged waters and the like.

With the foregoing and other objects in view, the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this specification wherein like characters denote corresponding parts in the several views, and in which—

Figure 1 illustrates a vertical sectional view of the device embodying the invention; Fig. 2 illustrates a view in elevation thereof; Fig. 3 illustrates a sectional view corresponding to the line 3—3 of Fig. 1; and Fig. 4 illustrates a section corresponding to the line 4—4 of Fig. 1.

In these drawings 5 denotes the syrup receptacle having legs 6 and a faucet 7 for drawing the syrup from the said receptacle.

Interiorly of the receptacle, I provide series of brackets 7′ which are secured to the inner wall thereof, said brackets being on different planes so that they may support the strainers 8, one above the other, it being understood that the said strainers 8 each comprise a rim 9 provided with notches 10 spaced apart a distance equal to the spaces between the brackets in order that the recesses or notches will register with the brackets when the strainers are applied to or removed from the receptacle, it being understood that by slightly turning the strainer so that the rims thereof rest on the brackets, the strainer may be suspended or supported within the receptacle.

Associated with the receptacle 5 is a cylindrical section 11 which is connected to the said receptacle by the hinge 12, the said cylindrical section being reduced at its lower edge to form the flange 13 fitting within the said receptacle whereas the external shoulder 14 formed by the protection of the flange rests on the upper edge of the receptacle and the internal shoulder 15 serves as a support for a strainer 16 which is carried by the cylindrical section as the same is moved from a position on the receptacle to the position shown in dotted lines, due to the hinge between the said section and the receptacle.

The cylindrical section heretofore mentioned is further associated with a cover comprising a removable top 17 having at or near its edges the concentric slightly separated flanges 18, which form a channel 19 for the reception of the upper edge of the vertical portion of the cover, the said vertical portion having its lower edge extending around and below the upper edge of the cylindrical section. As shown in the drawing, the cover has a hinge 20 by which it is movably connected to the cylindrical section to the interior of the cover and the strainer 21 for straining the water supplied for dissolving the sugar in producing the syrup. The strainer or screen which is supported above the cylindrical section acts as a shelf for containing sugar to be dissolved whereas water is applied to the cover by removing the top and passes through the screen to the bed of sugar supported on the said shelf or screen, said water dissolving the sugar and percolating therethrough to produce syrup which syrup is further strained during its passage through the successive strainers contained within the receptacle.

It is obvious that by reason of the plurality of strainers and provision for arresting foreign substances, the resilient syrup is free of such foreign substances; furthermore the provision that has been made for cleansing and removing deposits of foreign substances from the strainer assures a sanitary and highly efficient device for accomplishing the result indicated. By removing the top, the upper surface of the water strainer may be cleansed whereby by hinging the cover, access to the under surface of the said water screen may be had for the purpose of removing any deposits therefrom, whereas the same movement of the cover gives access to the upper surface of the sieve or strainer for supporting the sugar and by reason of the presence of the hinge for the cylindrical section, access may be had to the under surface of the last mentioned screen or shelf whereby by reason of the removable character of the screens within the receptacle, the said screens may be thoroughly and effectively washed or otherwise cleansed. The joint between the top and that portion of the cover with which it is associated will guard the interior against access of dust, insects and foreign substances which might be calculated to contaminate the product.

I claim—

In a device for producing syrup, a receptacle, series of brackets arranged in different planes within the said receptacle, strainers comprising rims having recesses coinciding with the brackets, a perforated concaved central portion through which the syrup is strained, a cylindrical section having a flange at its lower edge fitting within the receptacle, external and internal shoulders on the said section, the former of which is supported by the upper edge of the receptacle, a strainer supported by the internal shoulder of the said section for containing sugar, a cover comprising a top having concentric flanges spaced apart to form a channel therebetween and a vertical portion fitting in the said channel, the said vertical portion fitting the cylindrical section and forming a closure therefor, means for hinging the cylindrical section to the receptacle, and means for hinging the cover to the said section.

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

JOSEPH KAUFER.

Witnesses:
DAVID OPPENHEIMER,
HAZEL TURNER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents Washington, D. C."