June 10, 1930. E. ABORN 1,762,207

COFFEEPOT CONSTRUCTION

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Fig. 1.

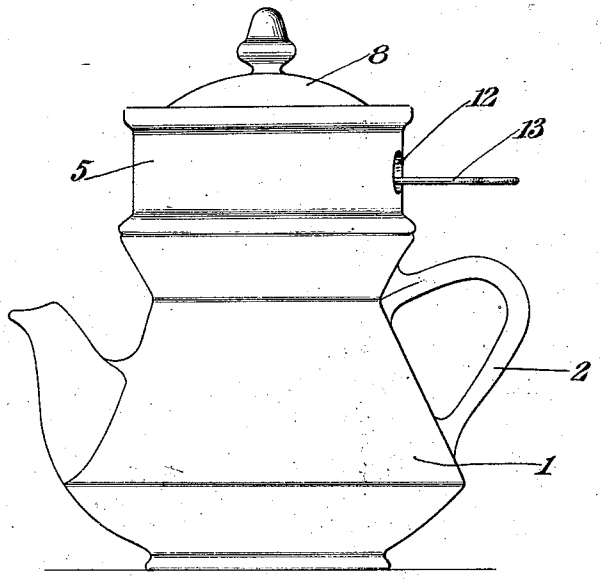
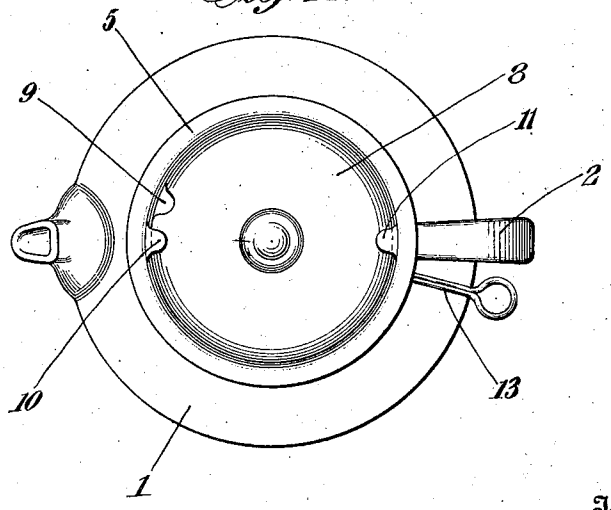


Fig. 2.



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Fig. 3.

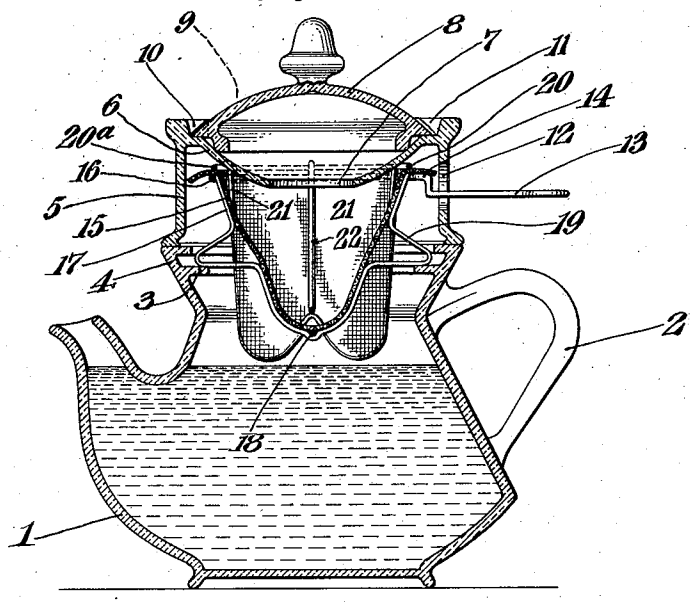
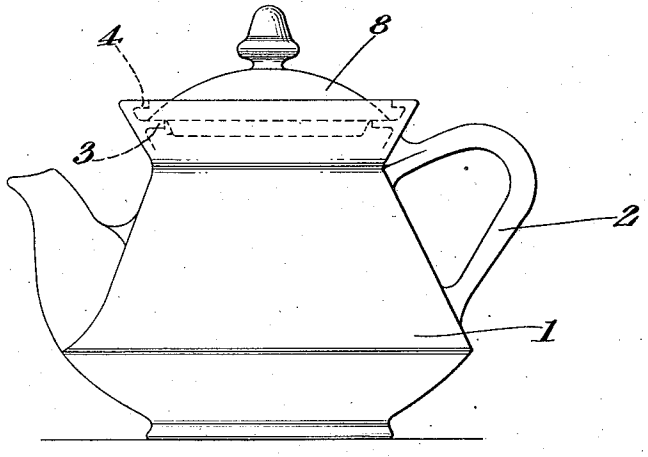


Fig. 4.



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Fig. 5.

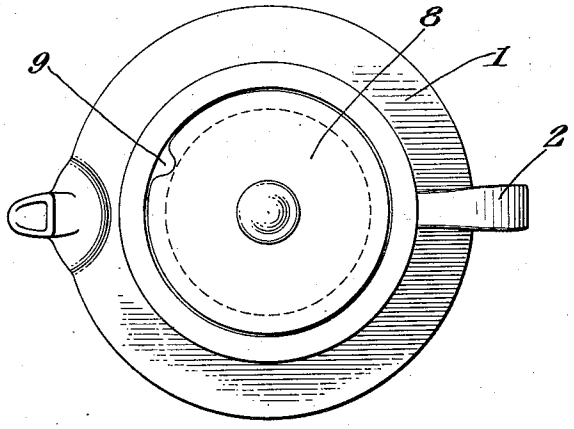


Fig. 6.

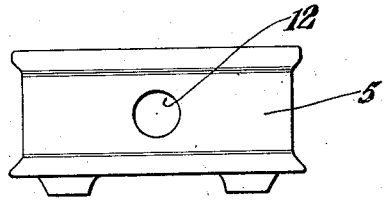
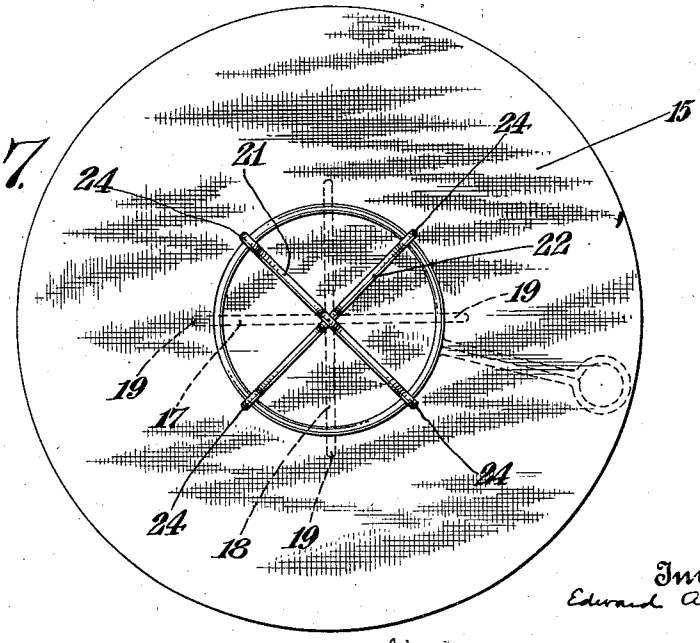


Fig. 7.



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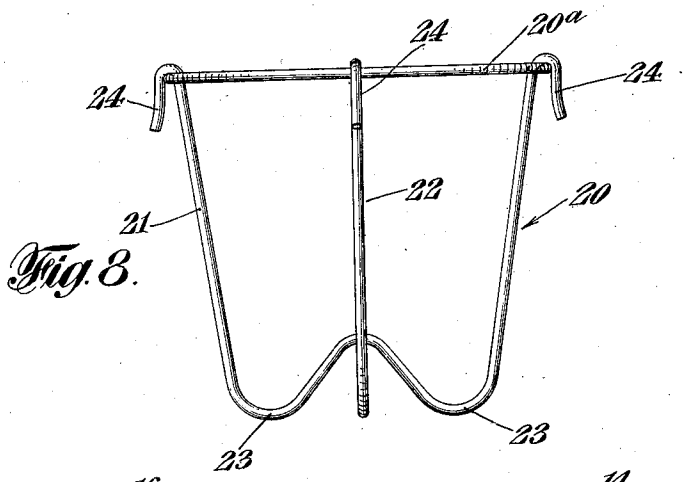


Fig. 8.

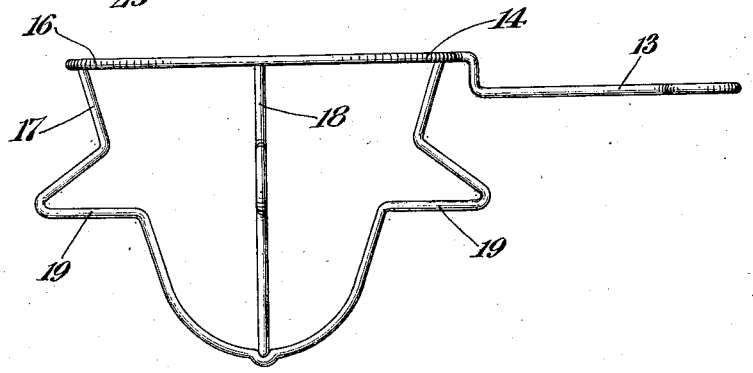


Fig. 9.

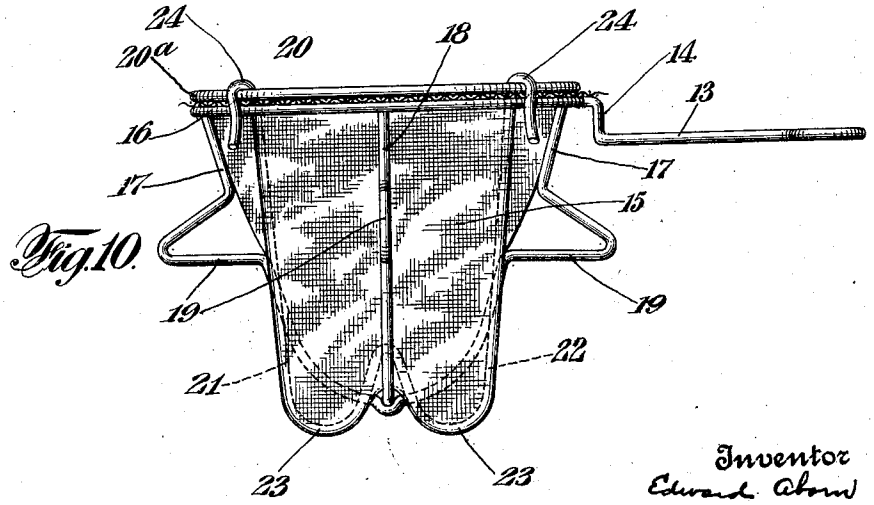


Fig. 10.

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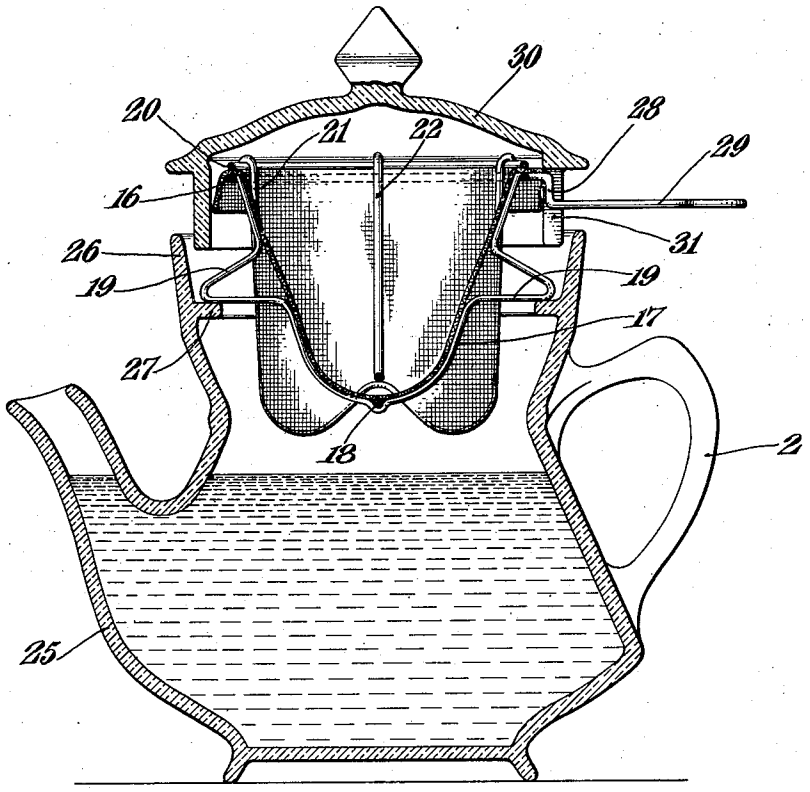
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Fig. 11.



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Patented June 10, 1930 1,762,207

UNITED STATES PATENT OFFICE

EDWARD ABORN, OF EAST ORANGE, NEW JERSEY

COFFEEPOT CONSTRUCTION

Application filed March 22, 1928. Serial No. 263,814.

My invention relates particularly to an improved form of coffee pot construction whereby the same may be made and used more effectively than previously.

The object of my invention is to provide an improved construction over the filter coffeepot as shown and described in my Patent No. 1,400,047, granted December 26, 1922. More particularly, the object of my invention is to provide an improved means for holding the filter-cloth for receiving the coffee within the coffeepot. My object is especially to provide a frame for supporting the filter-cloth, which may be more readily manufactured and at a lower cost, and which will, furthermore, adjust itself so as to fit within the coffeepot provided for receiving the same. Hitherto, in manufacturing coffeepots of this type it has been found that the supporting fingers on the filter cloth retaining frame have been difficult to attach to the frame and were generally of such a character as to be difficult to fit within the coffeepot so as to support the frame securely and uniformly in place. Furthermore, the manufacture of the frame was expensive. Accordingly, I have provided a supporting frame in my present invention for receiving the coffee-supporting filter-cloth, which frame has laterally bent extensions therein which, furthermore, may be readily produced in the construction of the frame and which may be fitted readily to the interior of the coffeepot. This construction is such as to permit the automatic manufacture of the frame, also, because of the uniformity of the construction.

While my invention is capable of embodiment in many different forms, for the purpose of illustration I have shown only certain forms of the same in the accompanying drawings in which—

Fig. 1 is a side elevation of a coffeepot made in accordance with my invention;

Fig. 2 is a top plan view of the same;

Fig. 3 is a vertical section thereof;

Fig. 4 is a side elevation of the coffeepot showing the upper section removed;

Fig. 5 is a plan view of the coffeepot as shown in Fig. 4;

Fig. 6 is a side elevation of the removable section;

Fig. 7 is a plan view of the filter-cloth and one of the supporting frames for holding it;

Fig. 8 is a side elevation of the last-mentioned supporting frame;

Fig. 9 is a side elevation of the outer frame which encloses the same;

Fig. 10 is a side elevation of the two frames showing the filter-cloth held therein; and

Fig. 11 is a vertical section of a modified form of my invention.

In the drawings, I have shown a coffeepot 1 made of any desired material, having a handle 2. At the top of the coffeepot there is a frame-supporting-flange 3 and an upper flange 4 for supporting a removable section 5 adapted to be applied to the coffeepot when the coffee is being brewed. The removable section 5 has at the top thereof a funnel 6 with a central opening 7 for the introduction of the water into the coffeepot, and a cover 8 is adapted to be applied to the top of the removable section 5 during the brewing of the coffee, said cover having a notch 9 at one side thereof adapted to register with a projection 10 at the front of the removable section 5, and at the opposite side thereof a further projection 11, so that by turning the cover 8 the edges thereof may become locked under the projections 10 and 11. One side of the removable section 5 is, furthermore, provided with an opening 12 so that there may be inserted a handle 13 of an outer frame 14 designed to receive a filter-cloth 15 for retaining the coffee during the brewing thereof in the coffeepot 1. The frame 14 is made of bent wire including the handle 13, and adjacent to the handle 13 there is a ring 16, attached to the underside of which there are provided two crossed wires 17 and 18, each of which is provided with an outwardly bent or bowed V-shaped section 19 so that the four projections or fingers formed on the outer frame 14 may be adapted to rest upon the top of the flange 3 and be prevented from lateral displacement by and from catching under the flange 4 so as to fit in the coffeepot during the brewing of the coffee and yet be readily removable therefrom at all times.

In order to hold the filter-cloth 15 in place in the frame 14 there is provided an inner frame 20 having an upper ring 20ª and two crossed wires 21 and 22 arranged with downwardly bowed portions 23 to project the filter-cloth 15 downwardly between the crossed wires 17 and 18 of the outer frame. Also, at the top of each of the crossed wires 21 and 22 there is provided a hook 24 which is designed to receive within the same the ring 16 on the outer frame, together with the filter-cloth 15 folded over the same, so as to tightly secure the filter-cloth in place and hold the whole frame-work, including the filter-cloth, tightly in position while the coffee is contained therein during the brewing of the same.

In the modification of my invention shown in Fig. 11 I have made provisions for eliminating, if desired, the use of the removable section 5. For this purpose I may provide a coffeepot 25 having an upper substantially cylindrical portion 26 on the inside of which there is an annular flange 27 for supporting the laterally bent portions 19 of the above mentioned frame 17. The frame 17, as will be seen from Fig. 11, also has a downwardly bent portion 28 terminating in a horizontal handle 29 so as to permit a cover 30, having a slot 31, to fit down over the handle 29 to the desired depth.

In the brewing of the coffee in the coffeepot of the above construction, referring first to Figs. 1 to 10, a fresh filter cloth 15 is first inserted between the two frames 14 and 20, the two frames being locked together with the filter-cloth between the same by forcing the ring 16 up into the hooks 24. The required amount of coffee is now introduced into the filter-cloth 15 and the frames carrying the coffee are now inserted into the removable section 5 with the handle 13 projecting out through the hole therein. Or, if desired, the frames 14 and 20 carrying the coffee in the filter-cloth therein, may be inserted into the coffeepot and the removable section 5 applied to the coffeepot thereafter by passing the hole 12 over the handle 13. In either case the composite framework comprising the frames 14 and 20, will rest upon and fit against the flange 3 on the coffeepot so as to securely hold the framework in place during the brewing of the coffee. The water for the making of the coffee is introduced in the proper quantity through the opening 7 in the funnel 6 so that the water passes downwardly through the coffee in the filter-cloth 15 and thence eventually into the bottom of the coffeepot 1. The cover 8 is then applied. Furthermore, the level of the liquid in the coffeepot is such, as shown in the drawings, as to cause the water to drip from the filter-cloth through the plurality of downwardly bent portions 23 and the inner frame 20 so that a very quick action results from the dripping and so as to brew the coffee in a minimum amount of time without leaching out the undersirable constituents of the bean. When the coffee has been brewed the removable section 5 and the framework carrying the filter-cloth 15 are removed and the cover 8 may be applied to the coffeepot, as shown in Fig. 4, so as to make the coffee ready to be served from the coffeepot as desired.

In the modification of my invention shown in Fig. 11, the operation is just the same as previously described in conection with the other figures except that in this instance the brewing of the coffee takes place with the position of the parts as shown in Fig. 11, and after the coffee is brewed the framework is removed by means of the handle 29, and the lid 30 is then replaced so as to rest upon the top of the extension 26.

While I have described my invention above in detail I wish it to be understood that many changes may be made therein without departing from the spirit of the same.

I claim:

1. In combination, a coffeepot, a cover for the same, and a framework having downwardly directed members for supporting a coffee-filter-cloth in contact with said members, said members being bent or bowed outwardly along the framework and being out of contact with the cloth for supporting the same in the coffeepot, said coffeepot having a flange for receiving said bent portions thereon, and an upper flange for positioning said members above the first-mentioned flange, said flanges having a cover-receiving recess between them of smaller height than the extremities of the laterally bent portions of said members.

2. In combination a coffeepot, a cover for the same, and a framework having downwardly directed members for supporting a coffee-filter-cloth in contact with said members, said members being bent laterally in V-shaped extensions along the framework out of contact with the cloth for supporting the same in the coffeepot, said coffeepot having a flange for receiving said extensions thereon, and an upper flange for positioning said members above the first-mentioned flange, said flanges having a cover-receiving recess between them of smaller height than the extremities of the laterally bent portions of said members.

3. In combination, a coffeepot, a cover for the same, and a framework, comprising inner and outer interlocking frames, said outer frame having downwardly directed members for supporting a coffee-filter-cloth in contact with said members, said members being bent laterally along the framework out of contact with the cloth for supporting the same in the coffeepot, said coffeepot having a flange for receiving said bent portions thereon, and an upper flange for positioning said

members above the first-mentioned flange, said flanges having a cover-receiving recess between them of smaller height than the extremities of the laterally bent portions of said members.

4. In combination, a coffeepot, a cover for the same, and a framework, comprising inner and outer interlocking frames, said outer frame having downwardly directed members for supporting a coffee-filter-cloth in contact with said members, said members being bent laterally in V-shaped extensions along the framework out of contact with the cloth for supporting the same in the coffeepot, said coffeepot having a flange for receiving said extensions thereon, and an upper flange for positioning said members above the first-mentioned flange, said flanges having a cover-receiving recess between them of smaller height than the extremities of the laterally bent portions of said members.

In testimony that I claim the foregoing, I have hereunto set my hand this 20th day of March, 1928.

EDWARD ABORN.