

H. N. NEWLIN.
COFFEE AND TEA STRAINER.
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1,168,544.

Patented Jan. 18, 1916.

Fig. 1.

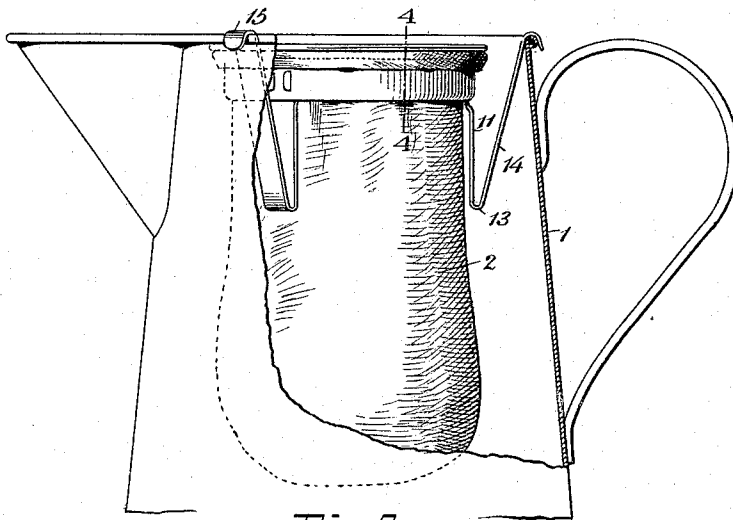


Fig. 2.

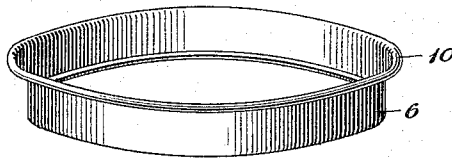


Fig. 3.

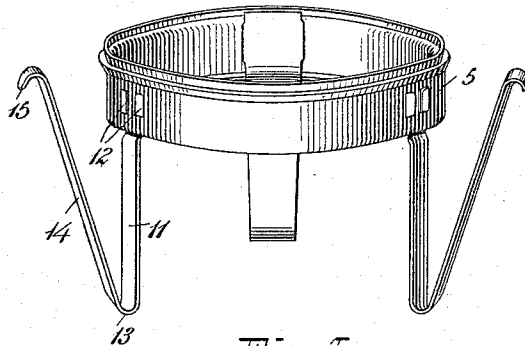
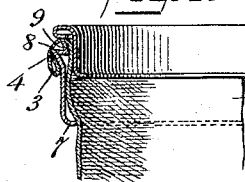


Fig. 4.



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COFFEE AND TEA STRAINER.

1,168,544.

Specification of Letters Patent.

Patented Jan. 18, 1916.

Application filed December 17, 1913. Serial No. 807,211.

To all whom it may concern:

Be it known that I, HARVEY N. NEWLIN, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, county of Kings, and State of New York, have invented a new and Improved Coffee and Tea Strainer, of which the following is a full, clear, and exact description.

This invention relates to improvements in straining devices, and particularly to a coffee and tea strainer, and has for an object to provide an improved structure which may be readily applied and removed from an article, and which may be readily assembled and disassembled.

A further object of the invention is to provide a straining device which is provided with a plurality of resilient arms or supports formed with bent-over ends, whereby the arms or supports may act as supporting hooks for the body of the strainer.

In carrying out the object of the invention it is evident that the strainer may be used in connection with any desired article. The device includes the use of a bag formed with a folded-over upper edge which is preferably provided with a line of stitching for holding the same in place. By thus providing a slightly enlarged part of the same material as the bag, the bag may be removed at any time and washed or cleaned in any desired manner. The upper end of the bag is designed to be threaded through a circular body or frame and clamped thereto by a clamping ring which will pinch the bag to the body or frame. Connected with the body or frame are a plurality of resilient arms formed with hooked portions at the end for hooking over or catching the sides of an article, whereby the entire device including the bag is supported.

In the accompanying drawing—Figure 1 is a side view of part of a coffee pot, certain parts being broken away for disclosing an embodiment of the invention arranged in the pot; Fig. 2 is a perspective view of the clamping ring; Fig. 3 is a perspective view of the supporting frame and the resilient supporting arms; Fig. 4 is a detailed fragmentary sectional view approximately on line 4—4 of Fig. 1.

Referring to the accompanying drawing by numeral 1 indicates a suitable pot or article in which the strainer is designed to be arranged. The straining medium used is a bag 2 formed of cloth or fabric of any de-

sired kind, and provided with a turned-over portion 3 (Fig. 4) which forms a thickened portion at the upper edge, and which may be provided with a line of stitching 4 for holding the same in place, if desired. The upper end of the bag 2 is designed to be threaded or passed through the frame 5 and folded thereover, as shown in Fig. 4. Clamping ring 6 is then placed within the mouth of the bag and thrust down until the same clamps the upper edge of the bag against frame 5. Frame 5 is formed with a turned-in edge 7 which acts as a bracing member, and also with a substantially beaded structure 8 which also acts as a bracing member and by its engagement with the turned over portion of the bag intermediate of its edge and the portion resting upon the frame assists in holding the bag on the frame. Ring 6 is also stiffened by an annular turned-over portion 10 which rests on top of the extension 9 when the ring is in position.

Rigidly secured to the frame 5 are a plurality of arms 11, three arms being shown in the drawing, but it will be evident that a greater or less number could be used without departing from the spirit of the invention. The end of the arms 11 contact with frame 5, and are made with a pair of cleats 12 which are thrust through suitable apertures formed in frame 5 and clenched as clearly shown in Fig. 3, whereby the arms 11 are rigidly secured to frame 5. However, if desired, arms 11 could be riveted or otherwise rigidly secured in place. From Figs. 1 and 3 it will be observed that the arms 11 extend downwardly from frame 5 and are bent at 13 so that the outer portion 14 will extend upwardly at an angle. The extreme upper end of portion 14 is bent over for forming a hook 15 which is adapted to rest upon the upper edge of article 1. The members 11 are made from resilient material and when free will spread as shown in Fig. 3 but may be collapsed or pressed against frame 5 when used in an article having a small mouth or opening.

What I claim is—

1. A strainer of the class described, comprising a ring-like frame having its upper end bent inwardly approximately at right angles and then upwardly and outwardly, a straining bag having its upper end passed through the frame and over the upper end of the same with its edge extending below

the upper bent portion of the frame, a clamping ring fitting in the mouth of the bag and clamping it in the frame, and means attached to the frame for suspending the
5 strainer in a vessel.

2. A strainer of the class described comprising a ring-like frame, having an exterior bead at its upper end, a plurality of supporting arms on the frame, said arms extending approximately vertically downward
10 from the frame, and then bent upwardly and outwardly and terminating in hooks adapted to engage the upper edge of a vessel

to support the strainer suspended in the vessel, a straining bag having its upper end 15 passed through the frame and folded over the upper end of the same, and a clamping ring fitting in the mouth of the bag and clamping the same in the said frame.

In testimony whereof I have signed my 20 name to this specification in the presence of two subscribing witnesses.

HARVEY N. NEWLIN.

Witnesses:

EUGENE MULLER,
W. H. NEWLIN.

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