A. B. EVANS.

COFFEE STRAINER.

APPLICATION FILED APR. 4, 1912.

1,040,179. Patented Oct. 1, 1912.

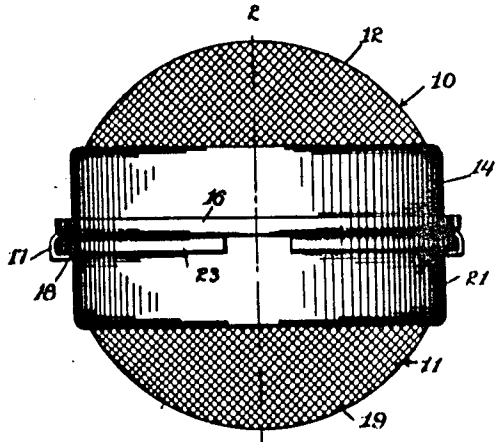


Fig. 1.

Fig. 2.

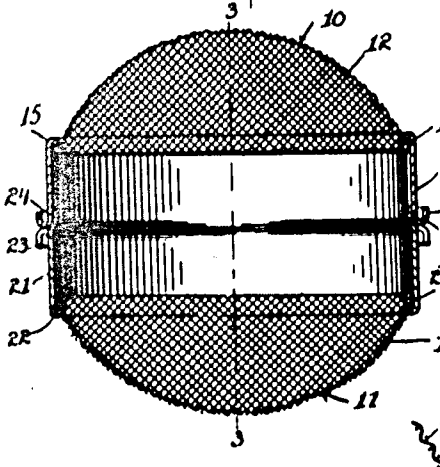
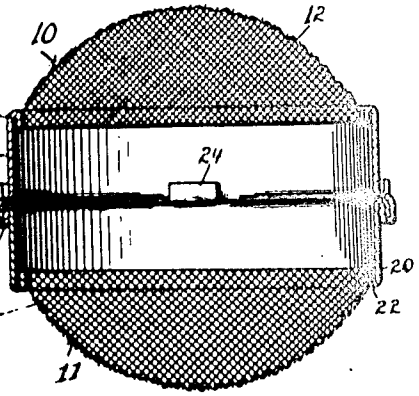


Fig. 3.



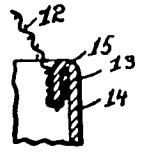


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

ANNA B. EVANS, OF CHESWOLD, DELAWARE.

COFFEE-STRAINER.

1,040,179. Specification of Letters Patent. Patented Oct. 1, 1912.

Application filed April 4, 1912. Serial No. 688,537.

To all whom it may concern:

Be it known that I, ANNA B. EVANS, a citizen of the United States, residing at Cheswold, in the county of Kent, State of Delaware, have invented certain new and useful Improvements in Coffee-Strainers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to coffee strainers and has for an object to provide a two piece reticulate or wire mesh ball which is adapted to hold ground coffee in a coffee pot, and will be composed of a few number of simple parts which are assembled without the use of solder in the manufacture or similar fastening agents, the primary end sought by this invention being to present a device of the above described character which may be manufactured more cheaply than ordinary devices of this character.

With the above object in view the invention consists of certain novel details of construction and combination of parts hereinafter fully described and claimed, it being understood that various modifications may be made in the minor details of construction within the scope of the appended claim.

In the accompanying drawing forming part of this specification:—Figure 1 is a front elevation of the device. Fig. 2 is a cross sectional view taken on the line 2—2 Fig. 1. Fig. 3 is a cross sectional view through the device taken on the line 3—3 Fig. 2. Fig. 4 is a fragmentary sectional view showing the manner of fastening the wire mesh elements to their respective imperforate bands.

Referring now to the drawing in which like characters of reference designate similar parts, the strainer is shown to comprise two reticulate members 10 and 11 which coöperate in forming a hollow wire mesh ball adapted to contain ground coffee, the ball being adapted to be submerged in a coffee pot in the usual manner, and hold the ground coffee against escape into the liquid.

In constructing the device the member 10 is formed from a hemispherical wire mesh element 12 the circular edge of which is bent to form an outwardly opening hook-like flange 13. A cylindrical imperforate metal band 14 is bent at one edge to form an inwardly opening hook-like flange 15 adapted to engage the flange of the wire mesh member, pressure then being applied to press both flanges into binding engagement with each other and prevent separation of the parts, the parts thus being secured together without the use of solder or similar fastening means. The free circular edge of the metal band is bent back upon itself to form an outwardly opening hook-like flange 16, and at diametrically opposite points in this flange spaced parallel slits are formed and the material therebetween straightened out to form straight tabs 17, these tabs being terminally bent inwardly and backwardly upon themselves to form inwardly opening hooks 18.

The member 11 is formed from a hemispherical wire mesh element 19 the circular edge of which is bent to form an outwardly opening hook-like flange 20. A metal band 21 is formed on one edge with an inwardly opening hook-like flange 22 which is pressed into binding engagement with the flange 20. The free circular edge of the band is rolled back upon itself to form an outwardly opening hook-like flange 23, and at diametrically opposite points in this flange spaced slits are formed and the material therebetween straightened out to form straight tabs 24.

Now suppose that the ground coffee has been placed in the member 11. The member 10 is now placed upon the member 11 with the hooks thereof engaging the outer faces of the tabs 24 of the member 11. Both members are now pressed together and rotated a half turn in opposite directions, the hooks 18 of the member 10 during this operation riding into engagement with the hook-like flange 16 of the member 11. Both members are now locked together and form a hollow wire mesh wall for the reception of the ground coffee. To separate the members the above operation is reversed.

What is claimed, is:—

A coffee strainer comprising reticulate members coöperating in forming a hollow ball, each member comprising a wire mesh element and a band having a rigid interlocking hook connection with said element, the circular free edges of both bands being rolled back and forming outwardly opening contacting hook-like flanges, there being parallel slits formed at diametrically opposite points in the hook-like flange of one of the

bands with the material therebetween straightened out and terminally rolled back to form hooks adapted to lockingly engage with the hook-like flange of the other band, and there being parallel slits formed at diametrically opposite points in the hook-like flange of the last named band with the material straightened out and forming straight tabs adapted to engage the inner surface of the first-named band.

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

ANNA B. EVANS.

Witnesses:
MARY B. COOPER,
MAMIE V. COOPER.