No. 745,875. PATENTED DEC. 1, 1903.

J. A. MAYHEW.

SUPPORT FOR STRAINER BAGS.

APPLICATION FILED MAY 11, 1903.

NO MODEL.

Fig. 1.

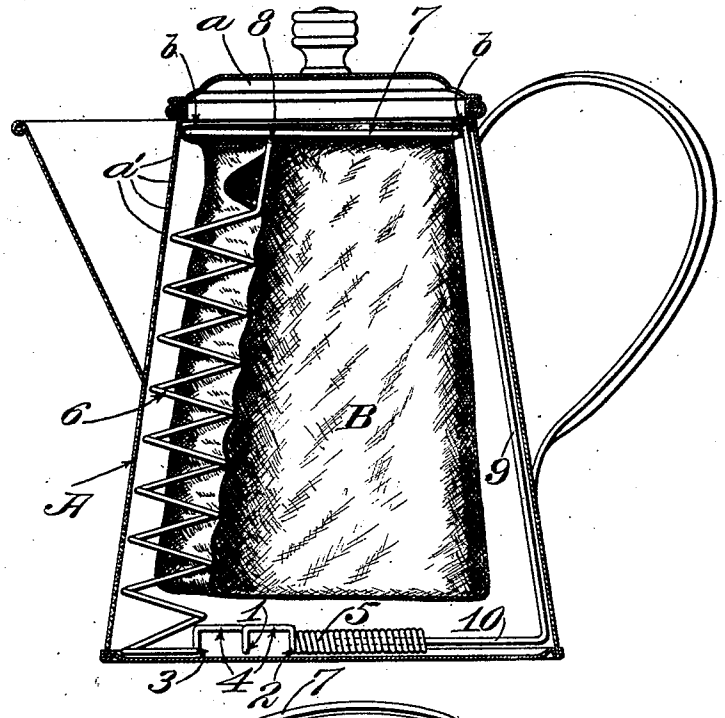


Fig. 2.

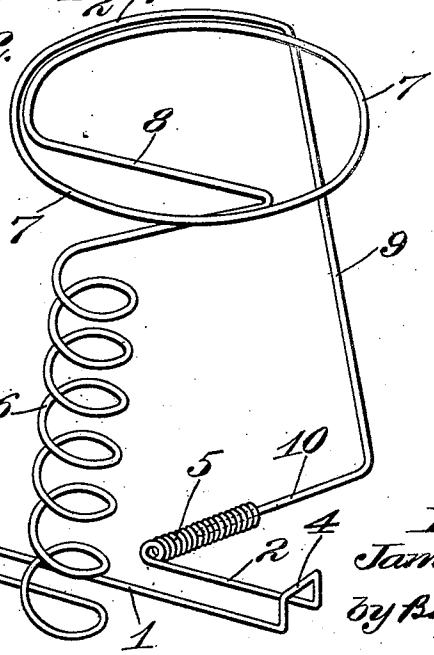
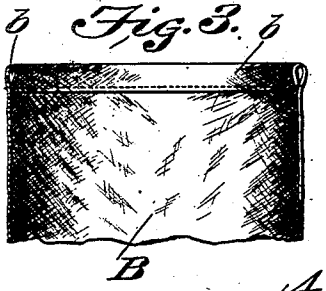


Fig. 3.



Witnesses:
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No. 745,875. Patented December 1, 1903.

UNITED STATES PATENT OFFICE.

JAMES A. MAYHEW, OF ST. LOUIS, MISSOURI.

SUPPORT FOR STRAINER-BAGS.

SPECIFICATION forming part of Letters Patent No. 745,875, dated December 1, 1903.

Application filed May 11, 1903. Serial No. 156,679. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. MAYHEW, a citizen of the United States, residing at St. Louis, Missouri, have invented a certain new and useful Improvement in Supports for Strainer-Bags, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a view showing the support in side elevation and the coffee pot and bag in section. Fig. 2 is a perspective view of the support, and Fig. 3 is a fragmentary sectional elevation of a strainer-bag.

This invention relates to improvements in supports for strainer-bags, and is more particularly a support adapted to be inserted within a coffee-pot or the like for the purpose of supporting the strainer-bag commonly employed for making drip-coffee.

One object of the invention is to provide a cheap and efficient support which can be readily inserted within and withdrawn from the coffee-pot, is firmly held within the pot, and can be adapted to pots of different sizes.

A further object is to provide such a support that the strainer-bag is prevented from undesirably obstructing the outlet from the coffee-pot and all of the liquid can be emptied from the pot without discharging the grounds from the strainer-bag.

To these ends and also to improve generally upon devices of the character indicated the invention consists in the various matters hereinafter described and claimed.

Referring now more particularly to the drawings, A represents a coffee-pot of the usual tapering construction, being smallest at the top, upon which the cover *a* fits, and *a'* refers to the outlet-openings from the pot.

B indicates the usual strainer-bag adapted to receive the ground coffee, said bag being provided at its open end with the customary hem *b*, open at its ends.

The support comprises a base, which is here shown as composed of a central stretch 1, of wire, and which extends the whole width of the base, and of side stretches 2 and 3, of wire, which lie upon opposite sides of said central stretch and extend only about half the width of the base, the said central stretch 1 being connected at its opposite ends to the side stretches 2 and 3, respectively, by connectors 4, which are preferably bent upwardly, as shown. A sleeve 5 extends outwardly from the base-piece 2 in a line transverse the base, and extending from the base-piece 3 is an upright 6, which is preferably a coil. Supported by this upright is a supporting-ring 7, adapted to be received in the hem *b* of the strainer-bag, and a guard 8 extends across the space inclosed by said supporting-ring, said guard and coiled upright 6 being at what may be termed the "front" of the device—*i. e.*, the side of the same which lies adjacent the outlet of the coffee-pot when the device is in position. A second upright 9 extends downwardly from the said supporting-ring diametrically opposite the coiled upright 6, said upright 9 being a piece of wire which has its lower end 10 bent inwardly to enter the sleeve 5.

Preferably the entire device is made of a single piece of wire bent into the desired shape. As here shown, one free end of the wire is coiled to form the sleeve 5, and the wire extends laterally from the inner end of this coil to produce the base-piece 2. The wire is then bent upwardly, then inwardly, and then downwardly to produce the connector 4 and is then bent to extend substantially parallel to the base-piece 2 in order to form the central base-piece 1. The wire is again bent as previously described in order to form the other connector 4 and is then bent inwardly to extend substantially parallel with the said base-piece 1 and produce the base-piece 3. The base-piece 3 terminates at a point about opposite the before-mentioned sleeve 5, and the wire is then bent into the coiled upright 6, the end of the wire being then bent upwardly and laterally from the inner side of the coil and then carried substantially horizontally across to produce the guard 8, the wire being then bent into the supporting-ring 7 and then carried downwardly and bent to produce the upright 9 with its bent end 10.

By withdrawing the free end 10 from the sleeve 5 said end can be slipped into the hem of the bag, and the bag can be slipped along the wire until it is supported upon the sup-

porting-ring in a manner which will be readily apparent. The bag is so placed upon the ring that its body portion and the outlet from the coffee-pot are upon opposite sides of the guard 8, the coiled upright 6 being also intermediate the body portion of the bag and the side of the coffee-pot provided with the outlet. Thus the bag is prevented from falling against the outlet from the coffee-pot and in such manner obstructing the same. Furthermore, if the coffee-pot be tilted in order to pour every particle of liquid therefrom the front of the bag falls into the space between the upper end of the coil 6 and the guard 8, and thus forms a pocket in which the coffee-grounds will be caught, and thereby prevented from falling out of the open mouth of the bag.

The device being made of resilient wire, the base is compressible transversely, and in order to insert the support, with its bag, within the coffee-pot the base is compressed. After such insertion the base is permitted to expand, and as the supporting-ring 7 fits snugly within the upper portion of the pot and the resilient base expands and causes the uprights to contact with or lie close to the interior walls of the pot the support and bag are firmly held in position. Should it be desired to alter the height of the device, it is only necessary to compress or expand the coiled upright 6 and to correspondingly rebend the upright 9 in order to present the free end 10 at the proper point.

I am aware that minor changes in the construction, arrangement, and combination of the several parts of my device can be made and substituted for those herein shown and described without in the least departing from the nature and principle of my invention.

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

1. In a support for strainer-bags, the combination with a base, of an upright, and a bag-supporting ring above said upright and spaced from the top of the same; substantially as described.

2. In a support for strainer-bags, the combination with a base-support, of an upright, a bag-supporting ring above said upright and spaced from the top of the same, and a guard extending across the space inclosed by said ring, said guard also being above said upright and spaced from the same; substantially as described.

3. In a support for strainer-bags, a bag-supporting ring, and a coiled upright below the same and at the front thereof for keeping the walls of the bag out of the spout-opening; substantially as described.

4. In a support for strainer-bags, a base, a sleeve upon said base, an upright rising from said base, a bag-supporting ring supported upon said upright, and a second upright between said ring and base and having a free end entering said sleeve; substantially as described.

5. A strainer-bag support made of a single piece of wire, said wire being shaped into an upright, a bag-supporting ring, and a second upright, said uprights being upon diametrically opposite sides of said ring; substantially as described.

6. A strainer-bag support formed of a single piece of wire, said wire being formed into a base, a coiled sleeve upon said base, a coiled upright rising from the front of said base, a bag-supporting ring upon said upright, and a second upright depending from said ring and having its free end bent and adapted to enter said coiled sleeve upon said base; substantially as described.

7. In a support for strainer-bags, a bag-supporting ring, one end of the material forming said ring being bent to extend across the space inclosed by said ring, whereby a guard is produced, the bag being arranged upon said guard and ring to form a pocket in the bag when the pot is tilted; substantially as described.

8. A support for strainer-bags comprising a single piece of wire having one end formed into a coiled sleeve, a base extending from the inner end of said sleeve, a coiled upright rising from said base upon the side of the same opposite said sleeve, a substantially horizontal guard at the inner side of said coiled upright and extending across said upright, a bag-supporting ring inclosing the space across which said guard extends, a second upright depending from said ring, and a bent free end upon said second upright adapted to enter said coiled sleeve; substantially as described.

In testimony whereof I hereunto affix my signature, in the presence of two witnesses, this 7th day of May, 1903.

JAMES A. MAYHEW.

Witnesses:
GALES P. MOORE,
GEORGE BAKEWELL.