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FOLDING CLOTH FILTER FOR COFFEE PERCOLATORS

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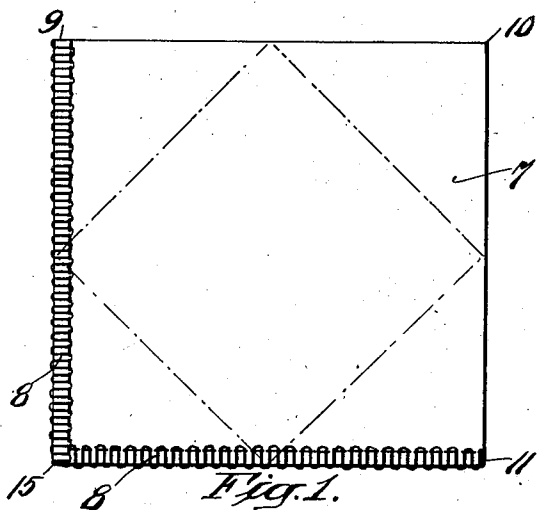


Fig. 1.

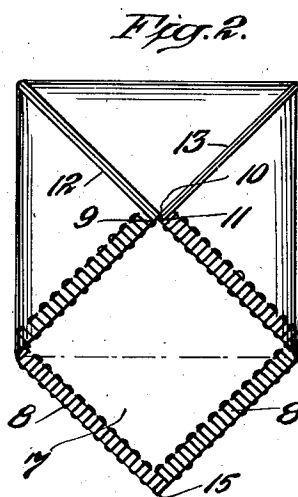


Fig. 2.

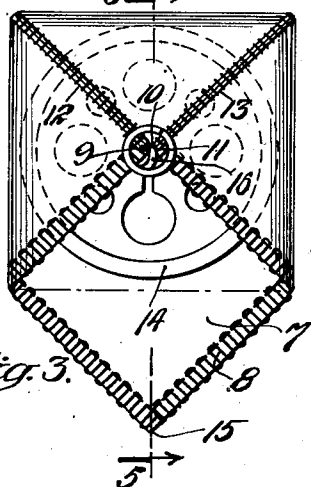


Fig. 3.

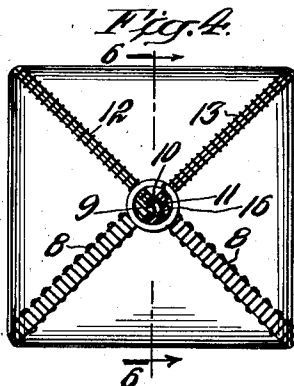


Fig. 4.

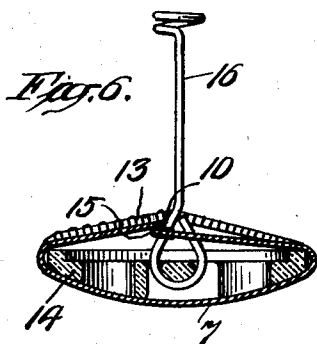
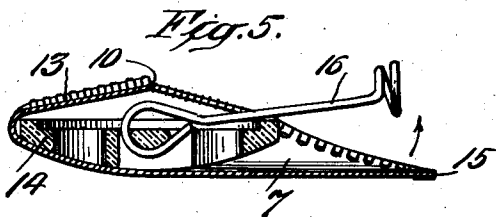


Fig. 5.



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FOLDING CLOTH FILTER FOR COFFEE PERCOLATORS

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5 Claims. (Cl. 210-162)

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The invention here disclosed relates to filters of the type used in coffee percolators.

These have usually consisted of a covering of filter cloth secured about a frame or holder.

Such constructions have required the use of a draw-string, elastic cord or equivalent, to close the cloth, usually in the form of a circular disc, securely about the support.

Objects of the present invention are to provide a filter structure which will eliminate the need for drawstrings, elastic cord and the like, and which in fact can be secured in place without special fastenings of any kind.

Also, it is a purpose of the invention to provide a filter which can be easily and inexpensively produced, which can be easily and quickly applied and which when applied will be held securely in place through and by reason of its own formation.

Other desirable objects and the novel features of invention are set forth or will appear in the course of the following specification.

The drawing accompanying and forming part of the specification illustrates a present practical embodiment of the invention. Structure, however, may be modified as regards the immediate illustration, all within the true and proper intent of the invention as hereinafter defined and claimed.

Fig. 1 in the drawing is a plan view of the blank from which the filter is made, showing how the square of filter cloth is stitched or hemmed about two of its adjoining angularly related edges;

Fig. 2 is a plan view showing how three of the corners of the blank are turned inward and secured, leaving the stitched edges to form a deep entrance notch to the center of the article and a triangularly extending portion foldable inward as a flap for closing this open side of the pocket;

Fig. 3 is a plan view showing the support slipped into position in the pocket, and Fig. 4 is a similar view showing the flap tucked in to close the pocket and secure the material about the support;

Figs. 5 and 6 are cross sectional views, as on the lines 5-5 and 6-6 of Figs. 3 and 4, respectively, showing the support being slipped into position in the pocket and the pocket as finally closed and secured about the support.

As shown in Fig. 1, the blank from which the article is made is a square 7 of filter cloth. This square is stitched at 8 about two of its adjoining angularly related edges to provide the blank with two bound or finished edges.

The blank is then made up into the form of a

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flat, open-sided, rectangular pocket by folding the three unfinished corners 9, 10, 11, inward to the common center and securing the contiguous meeting edges by stitching them together at 12, 13.

This forms a substantially square, flat pocket or bag of a size to receive the disc-like support or holder 14, having a deep, V-shaped, triangular notch 14 at the open side, extending from the full width clear to the center of the bag.

Also with this construction and arrangement, the fourth, projecting corner 15 has finished side edges, and the edges of the inwardly extending V-notch also are finished.

Figs. 3 and 5 show how the support 14 can be readily inserted in through the wide-open side of the square pocket, and Fig. 6 shows how with the support fully in place the fourth, finished edge corner portion 15 can be folded in and tucked under the finished edges at the entrance notch to constitute a full and complete closure. In this final relation the edges of the notch and the closure flap fit closely about the stem 16 of the holder or support, to hold the filter in position on the support when the latter is reversed from the position shown in Fig. 6 and inserted in the percolator in the usual way.

While, because of its structure, the filter holds itself securely in place about the support, it can, when desired, be immediately and easily slipped off the support.

The device can be inexpensively produced, it packs in close, flat formation and is generally desirable for the purposes intended. Because of the absence of draw-strings, rubber bands or the like, it is easier to remove and keeps cleaner. Because of these factors it is practical to remove and wash, for repeated use, many times.

What is claimed is:

1. A coffee filter comprising a square of filter cloth having three of the corners of the same folded inward to a common center and secured in that relation in a flat, three-sided rectangular pocket, the fourth corner left unattached and thereby leaving that side of the pocket fully open across the full width of the rectangle formed by the three connected corners and said free corner thereby constituting a closure flap adapted to be secured by folding the same inward into the open side of the pocket so provided.

2. A coffee filter comprising a square of filter cloth having fold lines in the form of a smaller square with its corners at points bisecting the sides of the original square and providing four triangular corner flaps outside said fold lines,

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three of said corner flaps being folded inward flat over said inner rectangle and secured together forming a flat three-sided rectangular pocket open across the side of the rectangle where the fourth corner flap is located and the latter corner flap being foldable inwardly into said open side of the pocket to enclose a support inserted in the pocket to hold the filter distended.

3. A coffee filter comprising a rectangular pocket of filter cloth having triangular projections of three sides of the same secured together along lines diagonal of the rectangular body of the pocket, the pocket being open at the fourth side and having a triangular projection at said fourth side foldable inwardly as a closure to said open side.

4. A coffee filter comprising a rectangular pocket of filter cloth having triangular projections of three sides of the same secured together along lines diagonal of the rectangular body of the pocket, the pocket being open at the fourth side and having a triangular projection at said fourth side foldable inwardly as a closure to said open side, the three triangular projections meeting substantially at the center of the pocket and leaving a wide, deep, triangular notch extending from the full width of the open side to the center of the pocket and a support having a diameter substantially equal to said full width of the open side and entered into the

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pocket through said open side, said support having a stem extending out of the pocket at the inner end of said triangular notch and said fourth flap in its service as a closure extending inwardly into engagement with said stem.

5. A filter comprising a square of filter cloth having two of the contiguous angularly related side edges stitched to provide a finished corner portion, the other three corners of the square being folded inwardly to the common center and secured in this relation, forming a flat, square pocket open at the side where the finished corner is located and provided at said open side with finished edges extending as a triangular notch to the center portion of the open pocket and leaving the finished corner portion as a closure flap adapted to be folded inwardly into said notch and beneath the finished edges of said notch.

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The following references are of record in the file of this patent:

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