

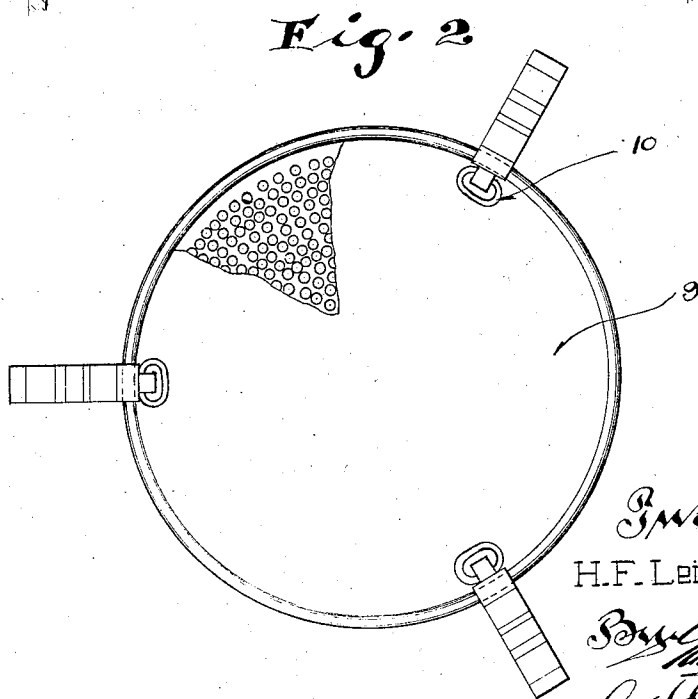
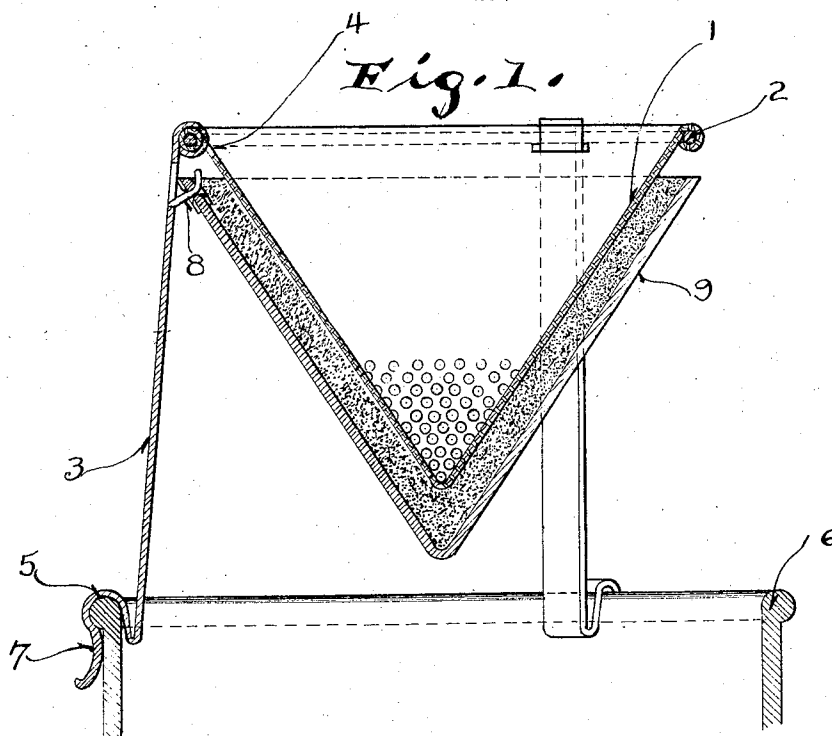
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H. F. LEICHTFUSS

STRAINER MECHANISM

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Inventor:

H.F. Leichtfuss

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Catharists

UNITED STATES PATENT OFFICE.

HERMAN F. LEICHTFUSS, OF MILWAUKEE, WISCONSIN.

STRAINER MECHANISM.

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This invention relates to strainer mechanism.

Objects of this invention are to provide a novel form of a strainer which is so constructed that a colander is supported by arms from a jar or crock, so as to leave both hands of the operator free, and in which provision is made for the suspension of a filter, felt, or other bag from these arms and closely adjacent to the colander, so that the colander will take up the weight of the material and allow the strained liquid to pass to the bag, thus permitting a rapid filtering action through the bag and preventing loading and clogging of the bag by the major portion of the solid parts of the material.

Further objects are to provide a very simple form of construction which may be cheaply manufactured and readily used, and to so form the parts that the arms or legs for supporting the colander are hinged upon the beaded portion of the colander. This construction permits the complete forming of the colander with its reenforcing upper ring and thereafter the positioning of the arms thereon.

An embodiment of the invention is shown in the accompanying drawings in which:—
Figure 1 is a vertical sectional view through the device;

Figure 2 is a view from the underside of the apparatus.

Referring to the drawings, it will be seen that a conical colander 1 is provided with a reenforcing marginal wire or ring 2 at its upper edge, about which the sheet portion or body portion of the colander is wrapped and soldered or otherwise secured.

The supporting arms 3 may be of strap metal and are folded or wrapped about the upper edge of the colander, so as to enclose the ring 2, and also the wrapped portion of the colander body. It is to be noted that it is merely necessary to form apertures 4 for the reception of these arms in order to effect this construction. The lower ends of the arms 3 are arched upwardly, as indicated at 5, so that they may snap over or rest upon the beaded edge or upper margin 6 of a container. The arched feet 5 are outwardly bent, as indicated at 7 in Figure 1, to facilitate the entrance of the edge 6.

Although the number of arms may be varied, it has been found that three arms

form ample support and security for the colander.

Each of these arms is provided with an inwardly and upwardly struck tongue 8. These tongues are adapted to support a felt or other filtering bag 9, such bag being provided with eyeleted apertures 10, through which the tongues 8 may pass. The bag may be readily detached from the tongues by slipping the eyeleted portions upwardly therefrom and may be washed or otherwise cleaned with the utmost facility.

It is to be particularly noted that the colander supports the weight of the material, that is to say, the major portion of the solid material suspended in the liquid to be strained and the initially strained liquid is permitted to freely flow to the felt bag. Thus, the surface of the felt bag is not covered by the solid particles but is exposed to the liquid and, consequently, very rapid filtering or straining action takes place.

It is to be noted further that the construction is such that an extensive surface is presented to the liquid and that the bag is held against folding or creasing, so that all of its portions are continuously effective under normal conditions.

Further, due to the conical shape of the bag, the liquid will drain down to the center of the outer side of the bag and, consequently, there is no danger of spilling the liquid over the edges of the receiving container.

Although the invention has been described in considerable detail, such description is intended as illustrative rather than limiting as the invention may be variously embodied and as the scope of such invention is to be determined as claimed.

I claim:

1. A straining mechanism, comprising a colander provided with a reenforcing marginal ring, a plurality of arms pivotally carried by said ring and adapted to extend downwardly therefrom, said arms having upwardly arched portions adapted to rest upon the upper edge of a container, each of said arms having supporting means intermediate their ends, and a filtering bag apertured to receive said supporting means, whereby said filtering bag may be suspended by said arms below said colander when said colander is supported above the mouth of a receiving vessel.

2. A colander adapted to be positioned

above a receiving vessel having an upper edge, said colander comprising a conical body portion provided with an upper marginal reenforcing ring, a plurality of arms
5 pivotally carried by said ring and extending downwardly and provided with arched feet adapted to receive the upper edge of the vessel, said arms having inwardly struck
tongues intermediate their ends and ad-

jacent their upper portions, and a filtering 10
sack having an eyeleted upper edge adapted to engage said arms.

In testimony that I claim the foregoing
I have hereunto set my hand at Milwaukee,
in the county of Milwaukee and State of 15
Wisconsin.

HERMAN F. LEICHTFUSS.