March 18, 1924. 1,487,490

L. H. SUBLETT ET AL

MILK STRAINER

Filed April 15, 1922

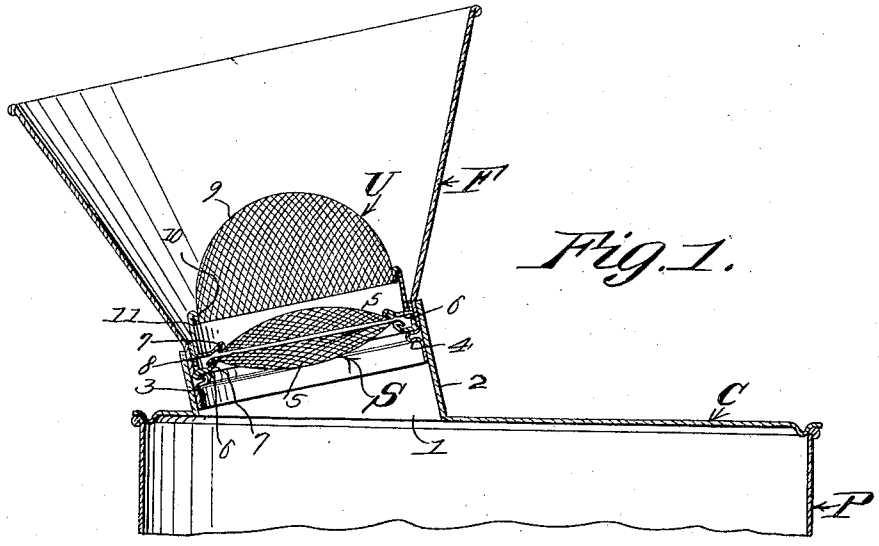
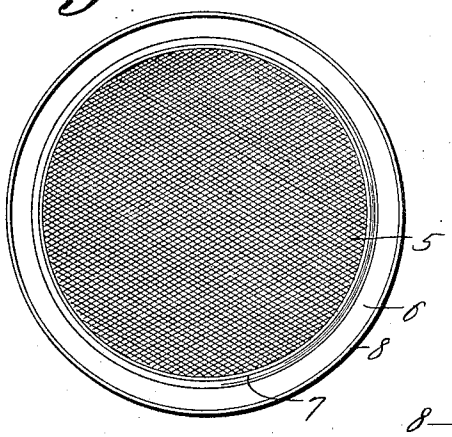



Fig. 1.

Fig. 2.



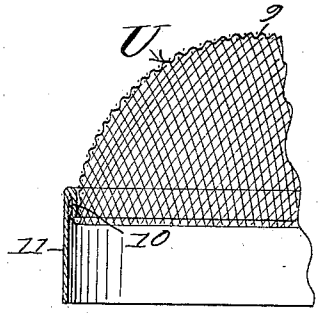




Fig. 4.

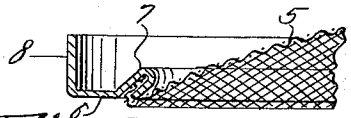



Fig. 3.

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# UNITED STATES PATENT OFFICE.

LEWIS H. SUBLETT AND EMIL B. PETERS, OF GEORGETOWN, KENTUCKY.

## MILK STRAINER.

Application filed April 15, 1922. Serial No. 553,141.

*To all whom it may concern:*

Be it known that LEWIS H. SUBLETT and EMIL B. PETERS, citizens of the United States, residing at Georgetown, in the county of Scott and State of Kentucky, have invented certain new and useful Improvements in Milk Strainers, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain improvements in milk strainers and is primarily an improvement on the milk strainers as disclosed in our pending application for milk strainers, filed July 13, 1921, Serial No. 484,366, and it is an object of the invention to provide a device of this general character having novel and improved means whereby the elements of the straining unit may be readily and conveniently applied in assembled or working relation.

Another object of the invention is to provide a novel and improved device of this character embodying an auxiliary or supplemental straining unit which serves as an anti-splashing medium.

The invention consists in the details of construction and in the combination and arrangement of the several parts of our improved milk strainer whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of our invention will hereinafter be definitely claimed.

In order that our invention may be the better understood, we will now proceed to describe the same with reference to the accompanying drawings, wherein:

Figure 1 is a vertical sectional view taken through a milk strainer constructed in accordance with an embodiment of my invention and in applied position,

Figure 2 is a view in plan of one of the elements comprised in the straining unit,

Figure 3 is a fragmentary sectional view taken through the element illustrated in Figure 2, and

Figure 4 is a fragmentary section view of the supplemental screening unit.

As disclosed in the accompanying drawings, C denotes a cover or lid adapted to be mounted upon the upper or open face of the pail P. The lid or cover C is provided with an opening 1 defined by an outstanding annular flange 2, said flange 2 being herein disclosed as concentric to an axis arranged on an incline with respect to the cover or lid C.

F denotes a funnel shaped member having its restricted portion or neck 3 of a size to snugly fit within the flange 2 as clearly illustrated in Figure 1. The funnel F may be readily applied or removed as required and which is of particular advantage when cleansing.

The restricted portion or neck 3 at a point substantially midway its ends is provided with an inwardly disposed bead 4 extending entirely around said neck or portion 3 and concentric to the axis thereof. This bead is preferably pressed from said neck or restricted portion.

S denotes a screening unit and comprises two concavo-convex straining elements 5, the concave faces of which are opposed when the elements 5 are in applied position. Each of the elements 5, as herein disclosed, comprises a wire mesh of a desired gage and the peripheral portion of each of said elements 5 is secured to an annular member 6, the central portion of the element 5 extending through the central opening defined by said member 6. This connection as herein disclosed is effected by having the marginal portion of the member 5 clamped between the walls of a reversed flange 7, said flange being disposed on a desired incline to facilitate such connection.

The outer marginal portion of each of the members 6 is defined by a laterally directed continuous flange 8 disposed in the same general direction as the associated element 5 and which, when the unit S is applied, snugly engages within the restricted portion or neck 3 of the member F, a member 6 contacting with the bead 4 to assure the proper application and maintenance of the screening unit S.

U denotes a supplemental screening unit comprising a concavo-convex straining element 9 formed from a wire mesh of requisite gage. The marginal portion of the element 9 is clamped within the walls of the reversed flange 10 carried by an annular band or hoop 11. The band or hoop 11 is adapted to telescopically and snugly engage within the upstanding flange 8 of the upper or second applied element 5. This supplemental unit U effectively serves to prevent

splashing of the milk as the same is received within the member F.

From the foregoing description it is thought to be obvious that a milk strainer constructed in accordance with our invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that our invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason we do not wish to be understood as limiting ourselves to the precise arrangement and formation of the several parts herein shown in carrying out our invention in practice except as hereinafter claimed.

We claim:

1. A strainer of the class described, comprising in combination, a receiving member provided with an inwardly disposed bead and a straining unit insertible within said member and engageable with the bead, said unit comprising an annular member having its periphery defined by an outstanding flange, said flange having close contact with the inner wall of the member when the straining unit is in applied position, the inner marginal portion of the annular member being provided with a reversed flange, and a straining element extending through the central opening defined by the member, the marginal portion of said straining member being engaged between the walls of the reversed flange, said reversed flange being inclined.

2. A strainer of the class described comprising, in combination, a receiving member provided with an inwardly disposed bead and a straining unit insertible within said member and engageable with the bead, said unit comprising two straining elements, an annular member secured to the marginal portion of each of the elements and having its periphery defined by an outstanding flange, said flange having close contact with the inner wall of the member when the straining unit is in applied position, and a supplemental screening element having an annular member secured to the marginal portion thereof, said last named annular member telescopically engaging within the flange of one of the first named elements.

In testimony whereof we hereunto affix our signatures.

LEWIS H. SUBLETT.
EMIL B. PETERS.