May 27, 1930. C. E. ARMSTRONG 1,760,228

MILK STRAINER

Filed Oct. 8, 1928

Fig. 1.

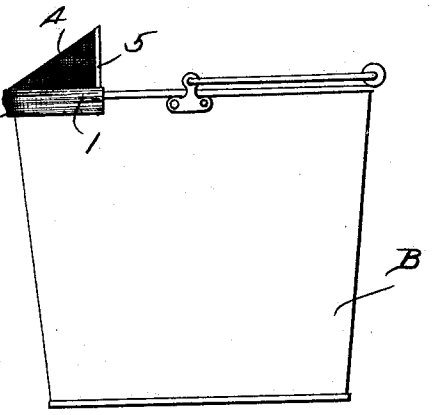


Fig. 2.

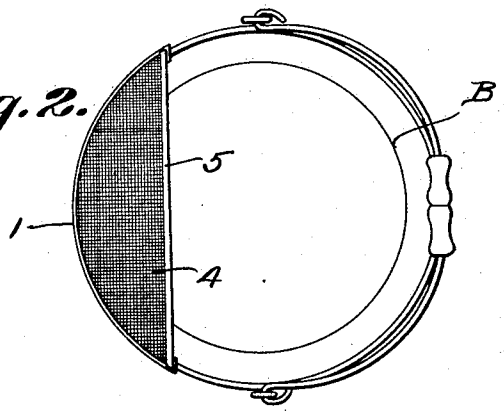
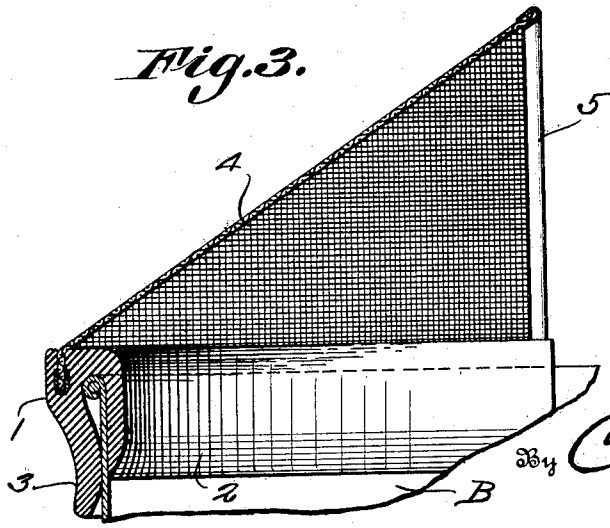


Fig. 3.



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UNITED STATES PATENT OFFICE

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MILK STRAINER

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This invention relates to a strainer for use in connection with buckets or the like whereby the liquid contents of the bucket or other container will be properly strained while being poured from the container and without danger of any portion of the unstrained liquid passing between the container and the strainer.

Another object is to provide a strainer which can be detachably connected to the edge portion of a container, the attaching means being simple and efficient and easily applied to and removed from the container.

Another object is to provide a strainer which can be produced at low cost, is durable in construction, and can be used efficiently with containers of different diameters.

With the foregoing and other objects in view which will appear as the description proceeds the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed without departing from the spirit of the invention.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings,

Figure 1 is a side elevation of a bucket having the strainer applied thereto.

Figure 2 is a top plan view thereof.

Figure 3 is an enlarged vertical section through the strainer and a portion of the bucket.

Referring to the figures by characters of reference, 1 designates a clip in the form of an elongated strip of vulcanized rubber or other suitable material of a resilient nature, this clip including inner and outer lips 2 and 3 that extend throughout the length of the clip. The outer lip is preferably though not necessarily larger than the inner lip 2.

A screen 4 of fine mesh wire fabric is extended longitudinally of the clip, the edges of this screen fabric being reinforced and protected by a marginal strip 5 of metal or the like. One edge of the screen fabric is embedded in the clip 1, said clip being molded and vulcanized about said edge so that the screen fabric and the clip are thus permanently connected

In using the strainer the clip is bowed to conform to the curvature of the edge of the bucket B or other container with which the strainer is to be used. Said clip is then forced downwardly so as to straddle the edge portion of the bucket and grip it firmly as shown in Figure 3.

As the clip is in contact with the inner and outer surfaces of the bucket throughout the length of the clip it will be obvious that when the bucket is tilted for the purpose of pouring the contents thereof, no portion of said contents can escape between the bucket and the clip. Instead all of the contents must pass through the strainer.

It will be understood of course that the angle of the screen fabric to the top of the container can be varied to suit the requirements of the user but in every case it is designed to mount the fabric in the clip as described and to so construct the clip that it can be easily placed in or removed from position and can be used with containers of different sizes.

As the strainer is readily detachable, it will not interfere with ordinary uses of the container B and it can be cleaned easily when necessary.

What is claimed is:

1. A strainer for use on containers of different sizes, including an elongated clip of rubber molded in one piece to form inner and outer lips for gripping the inner and outer surfaces respectively of a container inserted therebetween, thereby to form a sealing connection between the clip and container, and a screen fabric seated at one edge in the clip, the other edge of the screen fabric being extended across the clip from one end to the other, said clip and fabric being adapted to flex to permit adjustment of the clip to the curvature of the container to which it is applied.

2. A strainer for containers of different sizes including an elongated clip of rubber molded in one piece to form inner and outer lips for gripping the inner and outer surfaces

respectively of a container when inserted therebetween, thereby to form a sealing connection between the clip and container, and a transversely bowed screen fabric seated at one edge in the clip, the other edge of the screen fabric being extended across the clip from one end to the other, said fabric and clip being adapted to flex to adapt them to the contour of the container to which the strainer is applied.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

CHARLES E. ARMSTRONG.