Sept. 29, 1936. F. LEWIN 2,055,693

CAPSULE FOR CONTAINERS

Filed Nov. 22, 1934

Fig: 1.

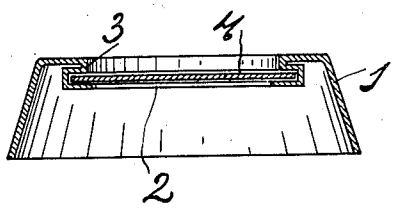


Fig: 3.

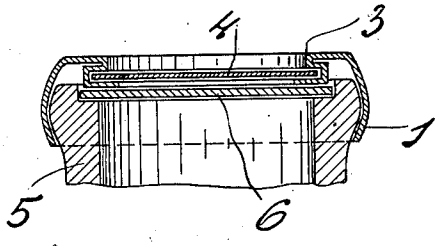


Fig: 2.

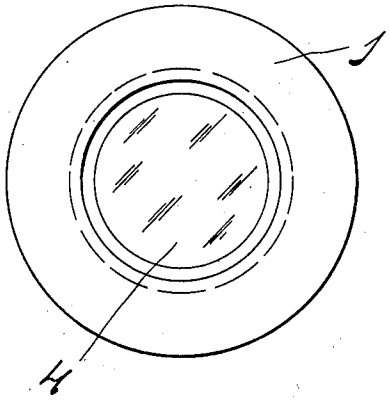
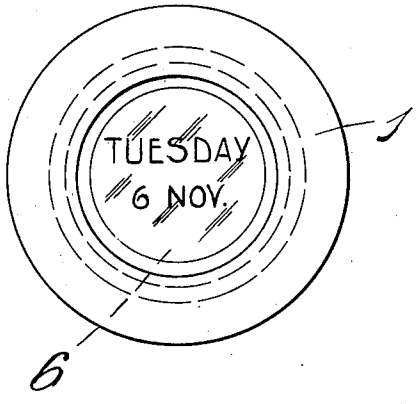


Fig: 4.



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UNITED STATES PATENT OFFICE

2,055,693

CAPSULE FOR CONTAINERS

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Application November 22, 1934, Serial No. 754,251

3 Claims. (Cl. 215—38)

The invention relates to containers such as bottles, jars or any form of container which is closable by means of a capsule or closure cap engaged upon the mouth of the container and retained thereon by pressing the skirt of the closure cap over a bead disposed about the container mouth, and is directed particularly to the provision of an improved form of such a capsule or closure cap.

Hitherto it has been customary to close a container by means of a capsule which had applied thereto, by stamping for example, any desired indication such as the name of a firm, the date of packing, and the like.

According to this present invention the advantage is gained that this stamping or production of indications upon the capsule or closure cap itself is no longer necessary, and for that purpose a capsule or closure cap is provided with a transparent portion through which a word or other indication applied to another closure member may be clearly visible.

A method of carrying out the invention is shown by way of example in the drawing hereto annexed.

In the drawing:

Figure 1 is an elevational cross section of a capsule;

Figure 2 is a plan of the same;

Figure 3 is an elevational cross section of a capsule in position upon the neck of a bottle; and

Figure 4 is a plan of the same.

The capsule or closure member may be formed of any material customarily used for the purpose, such as pliable metal, and as shown in the drawing the closure member is in the form of a cup-shaped member 1 preferably with the skirt thereof flaring outward and has an opening 2 in the end thereof.

In the embodiment illustrated the marginal portion about the opening 2 is folded upon itself to form an annular recess or frame 3 and effected by first folding the marginal portion about the opening to extend axially of the cap, preferably inwardly as shown, then radially outward and again axially inward after which it is folded radially inward to form the annular recess 3 for the engagement and supporting of a disk 4 at the peripheral portion thereof. The disk 4 is of transparent material, and it will be understood that this material may be of glass, mica, or of the material known as "Cellophane" or an equivalent product. The marginal portion about the opening folded radially outward preferably lies contiguous to the adjacent portion of the end of the cup member and prior to folding said portion radially inward the disk 4 is juxtaposed relative to the radially outwardly folded portion when the extremity of the marginal portion is folded over and clamped upon the peripheral portion of the transparent disk 4.

The closure means is particularly adapted for use in connection with milk bottles, and in applying the closure member thereto the mouth of the bottle is first closed in the customary manner by a disk 6 of cardboard or other material having impressed thereon in any manner any desired indication, for example the date of packing, as indicated in Figure 4 in the drawing, this disk being seated against an annular shoulder formed by a recess within the mouth of the bottle neck 5, as shown in Figure 3. After the disk 6 is seated in the bottle mouth the closure cap is engaged upon the bottle mouth with the folded portion at the opening in the end of the closure cap carrying the transparent disk engaging the recess within the bottle mouth and the disk 4 superposed to the disk 6 whereby the indications on the disk 6 may be readily observed through the transparent disk 4, when the skirt of the cup member is pressed over the bead about the mouth of the receptacle to retain the closure cap thereon.

What I claim is:

1. In a closure for the mouth of a bottle having a bead about the mouth, a disk of transparent material, a cup-shaped member of pliable material adapted to be engaged upon the bottle mouth and the skirt pressed about the mouth bead, said member having an opening in the end thereof with the marginal portion about said opening folded to extend axially of the cup member and then radially outwardly, said transparent disk being juxtaposed to said latter folded portion and the extremity of said marginal portion folded over the peripheral portion of said disk to unite the disk with the cup member.

2. In a closure for the mouth of a bottle having an annular recess within the mouth and an annular bead about the mouth, a disk of transparent material, a cup-shaped member of pliable material having an outwardly flaring skirt adapted to be engaged upon the bottle mouth and the skirt pressed about the mouth bead to retain the same upon the bottle mouth, said cup member having an opening in the end with the marginal portion about the opening folded to extend axially inward, then radially outward and axially inward and forming a portion to engage the recess within the bottle mouth, and said trans-

parent disk engaged within and the latter axially extending portion folded radially inward over the peripheral portion of said disk to secure the disk to and close the opening in the end of the cup member.

3. In closure means for the mouth of a bottle having an annular recess within the mouth and an annular bead about the mouth, a closure disk seated in the mouth recess and adapted to expose matter impressed upon a surface thereof, a disk of transparent material, a cup-shaped member of pliable material having an opening in the end of less diameter than the transparent disk with the marginal portion about said opening folded to extend axially inward, then radially outward and axially inward, and said transparent disk engaged in and said latter portion folded radially inward over the peripheral portion of the transparent disk to unite the transparent disk with and close the opening in the end of the cup member, and said cup member adapted to be engaged upon the bottle mouth and the skirt pressed about the mouth bead to retain the same upon the bottle mouth with the transparent disk carried thereby superposed to the disk seated in the mouth recess and expose the same through the transparent disk.

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