Feb. 3, 1931. C. P. SHEPARD 1,791,004

SPOUT FOR SIRUP CONTAINERS

Filed March 26, 1928

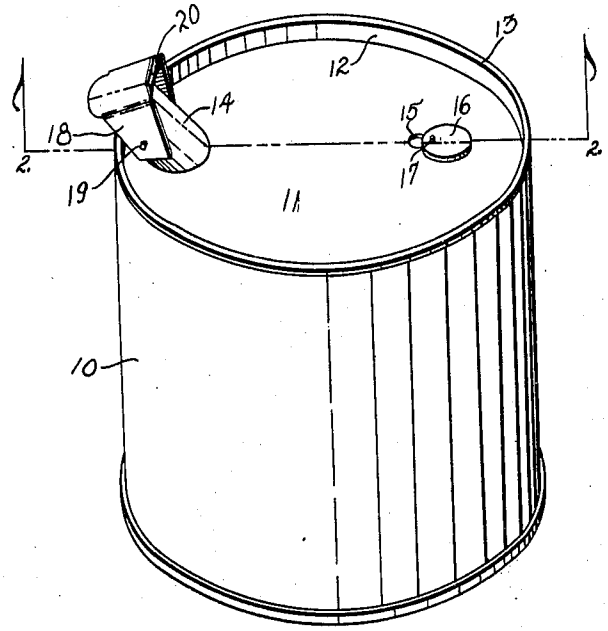


Fig. 1.

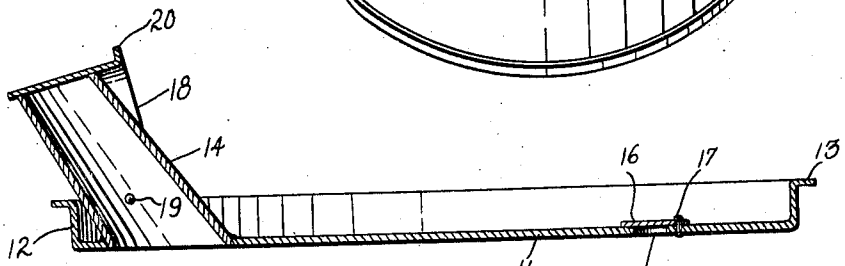


Fig. 2.

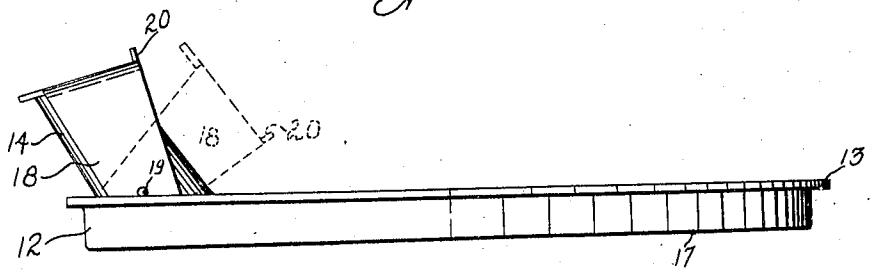


Fig. 3.

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UNITED STATES PATENT OFFICE

CLAYTON P. SHEPARD, OF DALLAS CENTER, IOWA, ASSIGNOR, BY MESNE ASSIGNMENTS, TO TRUSTEES OF THE UNIVERSAL UTILITY COMPANY, OF DALLAS CENTER, IOWA, A COMMON-LAW TRUST—NAMELY, EARNEST D. SHEPARD, M. M. SILKEBAKEN, AND CARRIE O. SILKEBAKEN, ALL OF DALLAS CENTER, IOWA

SPOUT FOR SIRUP CONTAINERS

Application filed March 26, 1928. Serial No. 264,931.

The object of this invention is to provide an improved removable cover for containers such as sirup cans and pails, which cover is equipped with a pouring spout to facilitate the removal of the contents of the container.

A further object is to provide improved means to prevent spilling and waste of the contents of a container in the removal of such containers.

My invention consists in the construction, arrangement and combination of the various parts of the device, whereby the objects contemplated are attained as hereinfter more fully set forth, pointed out in my claims and illustrated in the accompanying drawings, in which:

Fig. 1 is a perspective view showing a container provided with a removable cover having a pouring spout constructed in accordance with my invention.

Fig. 2 is a diametrical section of the cover on the line 2—2 of Fig. 1.

Fig. 3 is a side elevation of the cover, the dotted lines showing the pivoted hood for the spout in open position.

It is a common practice to place sirups and other similar commodities on the market in cans or buckets having removable covers which are held in place by frictional contact with the walls of the container. Ordinarily the only method of removing the contents of the container is by taking off the cover and tipping the container to pour the contents therefrom and this is quite an unsatisfactory method, particularly where relatively large containers are involved or where the contents have a considerable degree of viscosity. This method often results in spilling considerable portions of the contents and creating an untidy condition of the container and adjacent objects. My invention contemplates a convenient arrangement designed to overcome these difficulties and conditions.

In the accompanying drawing, I have employed the numeral 10 to designate generally a container of the class hereinbefore mentioned, such for instance as a can or bucket which is open at its upper end. The cover which I have shown is of the same general type as those now in use and comprises a body portion 11 of substantially the same diameter as the internal diameter of the container 10 and formed with an upstanding peripheral flange 12 adapted to engage the wall of the container to hold the cover in place by frictional contact. The upstanding flange 12 usually is provided at its upper end with an outturned flange 13 which overlies the upper end of the container when the cover is in place.

The cover which I have here shown is formed with a spout 14 near one edge preferably arranged at an oblique angle and having its upper end extending beyond the vertical plane of the cover and its projections. The spout may be of any desired size, shape, and length and may be employed for removal of the contents of the container without the removal of the cover from the container.

To permit the contents to flow from the spout 14 when the container is tilted, an air hole 15 is formed in the body portion 11 of the cover for the entrance of air to replace what is removed through the spout. Ordinarily, the air hole 15 is covered by a disk 16 pivoted at 17 on the cover and adapted to be swung away from the hole, as shown in Fig. 1 during the pouring operation.

It is desirable to provide a means for covering the end of the spout 14 when it is not in use and for this purpose, I have provided a substantially U-shaped hood designated generally by the numeral 18. The hood is arranged to embrace the spout 14 and its arms are pivoted to the walls of the spout by rivets 19 or the like. The central portion of the hood 18, which preferably is somewhat larger than the open end of the spout, is designed to engage and cover said spout to prevent the entrance of foreign objects and the spout preferably is provided with an upstanding lip 20 at its upper rear side to facilitate the manual operation of moving it to its various positions.

The rear wall of the spout 14 preferably projects upwardly far enough that it is engaged by the closing portion of the hood just before the hood reaches its closed position, thereby causing a frictional contact

which is effective in holding the hood in closed position.

The hood 18 also may be employed for the purpose of cutting off the stream of liquid emerging from the spout, at the desired time.

The pivot 17 of the closing disk for the air vent hole 15 preferably is arranged on the side opposite to the spout 14 so that the force of gravity tends to move said disk to closing position while the container is still in tilted position at the close of the pouring operation.

Those who customarily use products which are packed in containers of this kind may find it advantageous to transfer my special cover from one container to another as each one is emptied, assuming that not all the containers will be equipped with my cover.

I claim as my invention:

1. In a cover lid for containers, an open ended spout extending from said lid and near the marginal edge of the same, a hood embracing said spout and pivotally mounted for closing the open end thereof at times, a passageway in said lid near the marginal edge of the same and diametrically opposite from said spout, and a disc pivoted near its marginal edge to said lid at a point beyond said passageway from said spout, capable of swinging by force of gravity to a position over said passageway when said lid is tipped to a position where said spout is downwardly from said passageway.

2. In a device of the class described, a detachable cover for a container, a spout secured to said cover, a yoke-shaped hood adapted to embrace said spout, the arms of said hood being pivoted to the walls of said spout, whereby the central portion of said hood may engage and close the mouth of said spout at times, an air inlet passageway in said lid at a point therein diametrically opposite from said spout, and a means for automatically closing said passageway when contents is being poured through said spout.

CLAYTON P. SHEPARD.