

July 31, 1928.

1,678,726

W. S. GRANT

CONTAINER

Filed May 19, 1927

Fig. 1.

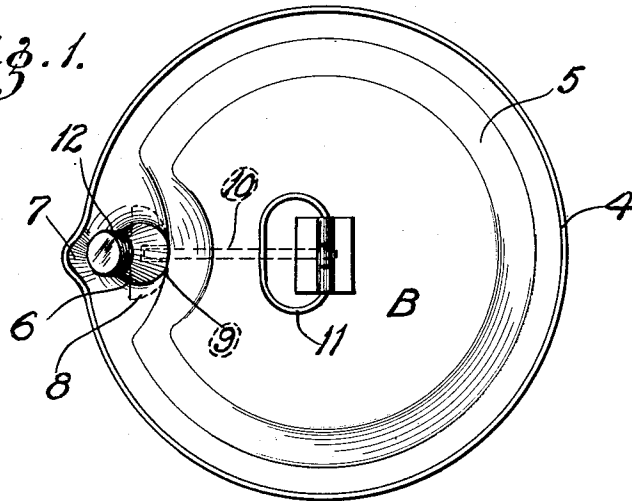


Fig. 2.

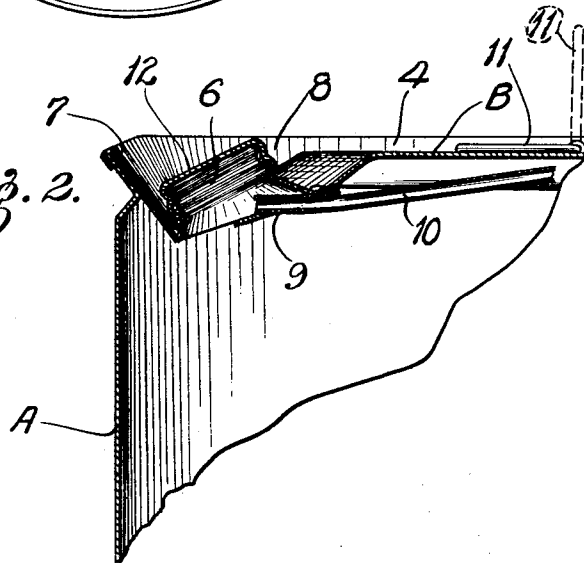
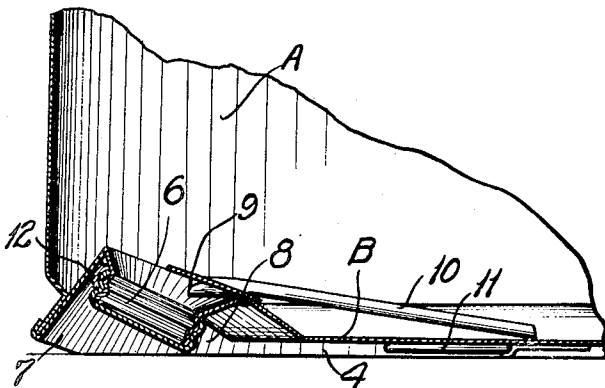


Fig. 3.



INVENTOR:
WALTER S. GRANT.

By *James L. Hopkins,*
ATTORNEY.

UNITED STATES PATENT OFFICE.

WALTER S. GRANT, OF ST. LOUIS, MISSOURI.

CONTAINER.

Application filed May 19, 1927. Serial No. 192,544.

My invention relates to improvements in containers and has for its object to provide a container for oil and the like which may be shipped by common carrier without crating.

The existing requirement regarding shipment, uncrated, of containers used for such purposes consists of a test prescribed by the Interstate Commerce Commission regulations, "Shipping Container Specification Number 39-C," namely, a single drop of the filled container upon a hard surface from a height of four feet.

In accomplishing this result, I have produced a container comprising a cylindrical body having a depressed top surrounded by a chime; a hinged carrying handle mounted at the center of said depressed top, which handle, when folded against the top, will be beneath the level of the plane of the top of the chime. In the chime a pouring lip is formed, and adjacent to the base of the pouring lip I provide a pouring nozzle, which is preferably mounted at an incline approximating that of the pouring lip. I also provide a baffle plate within the nozzle and a vent tube extending from a point within the nozzle to a point within the container.

The pouring nozzle is provided with the usual screw cap; when that screw cap or closure is seated in place, its top will be beneath the level of the plane of the top of the chime. The result of this construction is that the container, when filled with its proper contents, may be dropped, top down, upon a solid receiving surface, from a height of four feet repeatedly without creating a leak. I thus provide a container responding to the test required by the regulations of the Interstate Commerce Commission, above described.

Drawings.

In the drawings—

Figure 1 is a top plan view of the container embodying my invention.

Fig. 2 is a fragmental vertical mid-sectional view of the same.

Fig. 3 is a sectional view of a fragment showing the container upside down upon a

flat surface, with the chime protecting the pouring nozzle and carrying handle from injury.

Description.

The cylindrical body of my container I have indicated as A and the top as B. At its top the cylindrical body A is provided with a chime 4. Upon the head B and adjacent the inner face of the chime 4 is formed the annular gutter 5 for the reception of oils that may be spilled during the process of pouring same from nozzle 6, that nozzle 6 being mounted adjacent to the pouring lip 7 (formed in the chime 4), being set into a depression 8 formed in the head B. The nozzle 6 is provided with the screw cap or closure 12, and when that cap 12 is in place its highest point is beneath the level of the plane of the top of the chime 4, as shown in Figs. 2 and 3.

The flat central portion of the head B is effectually kept free from oil by reason of the conformation of the depression 8 and its communicating annular gutter 5, thus enabling the handle 11 to be kept either in folded or operative position without becoming soiled.

Within the pouring nozzle 6 is a transverse baffle plate 9. A vent-tube 10 extends from a point within the pouring nozzle 6 to a point within the cylindrical body A, and closely beneath the head B. At the center of the head B the carrying handle 11 is hinged, being so mounted that when in folded position it contacts with the top of the head B and is beneath the level of the plane of the top of the chime 4 so as to be protected from injury by said chime 4, as shown in Figs. 2 and 3.

While I have illustrated and described my invention embodied in a cylindrical container, many variations of form of that container may be made without departure from my invention as embodied in the following claims.

I claim:

1. A container comprising a body having a projecting chime at its top; a pouring lip formed in said chime; a pouring nozzle mounted in the head of the container in

proximity to said pouring lip; and an annular oil-receiving channel formed adjacent to said chime.

2. A container comprising a body having
5 a projecting chime at its top; a pouring lip formed in said chime; a pouring nozzle mounted in the head of the container in proximity to said pouring lip and inclined
10 to direct its flow substantially in the direction of flow of said pouring lip; and an annular oil-receiving channel formed adjacent to said chime.

3. A container comprising a body having
15 a projecting chime at its top; a pouring lip formed in said chime; a pouring nozzle mounted in the head of the container in proximity to said pouring lip; and an annular oil-receiving channel formed adjacent to said chime; in combination with a baffle-
20 plate mounted within said nozzle and a vent-tube extending from a point within the nozzle to a point within the container.

4. A container comprising a body having a projecting chime at its top; a pouring lip

formed in said chime; a pouring nozzle 25
mounted in the head of the container in proximity to said pouring lip and inclined to direct its flow substantially in the direction of flow of said pouring lip; and an
30 annular oil-receiving channel formed adjacent to said chime; in combination with a baffle-plate mounted within said nozzle and a vent-tube extending from a point within the nozzle to a point within the container.

5. A container comprising a body having 35
a projecting chime at its top; a pouring lip formed in said chime; a pouring nozzle mounted in the head of the container in proximity to said pouring lip; and an
40 annular oil-receiving channel formed adjacent to said chime; in combination with a baffle-plate mounted within said nozzle and a vent-tube extending from a point within the nozzle to a point within the container, and closely
45 beneath the head thereof.

In testimony whereof I have hereunto affixed my signature.

WALTER S. GRANT.