July 2, 1935. C. H. ROLLASON 2,006,963

CONTAINER

Filed May 5, 1933

Fig. 1.

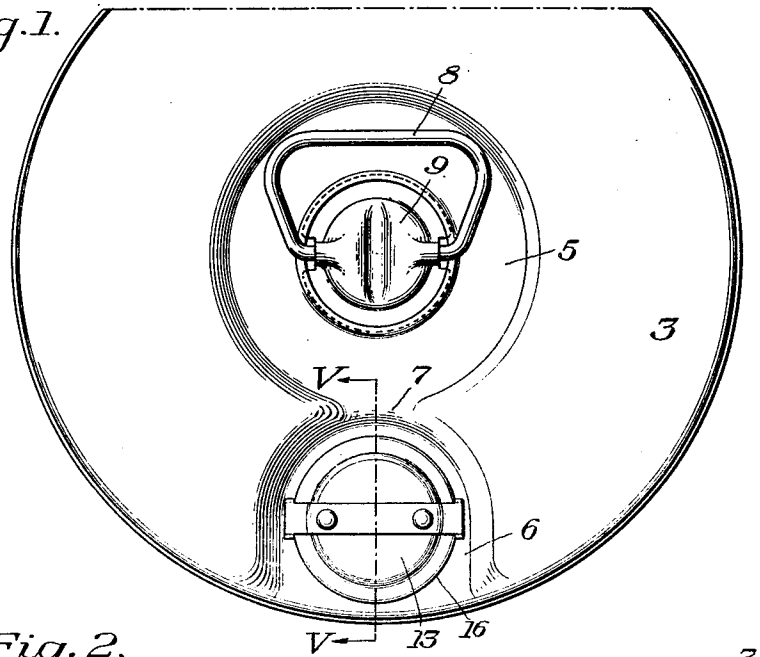


Fig. 2.

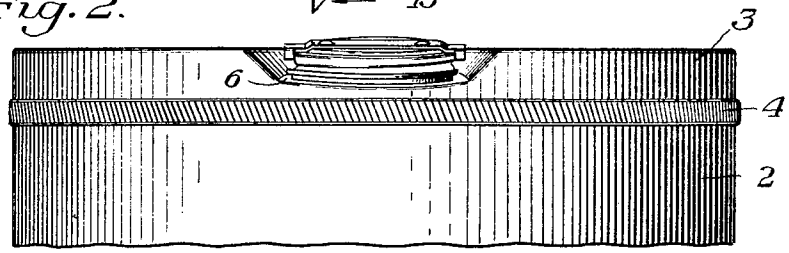


Fig. 3.

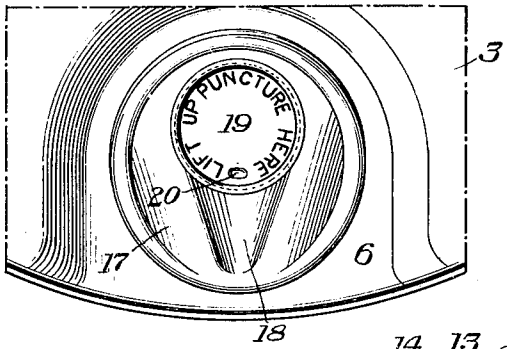


Fig. 4.

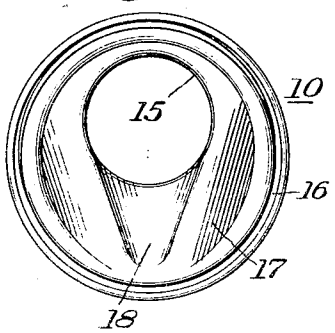
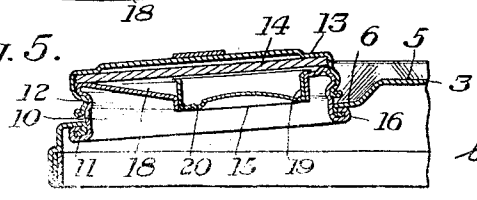


Fig. 5.



INVENTOR

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his attorneys

Patented July 2, 1935 2,006,963

UNITED STATES PATENT OFFICE

2,006,963

CONTAINER

Charles H. Rollason, Wheeling, W. Va.

Application May 5, 1933, Serial No. 669,528

12 Claims. (Cl. 221—11)

This invention relates to containers, and more particularly to containers for liquids which are adapted to be poured therefrom. The invention relates still more particularly to sheet metal containers adapted for manual handling and provided with spout means integral therewith.

It is desirable in containers such as sheet metal containers of the sizes adapted to be manually handled to provide means such as spout means, enabling easy pouring out of the contents of the containers, together with closure means for closing or sealing the container when desired. One such construction is described and claimed in my copending application Serial No. 669,527, filed May 5, 1933.

For certain types of containers one of the primary requisites is that the cost of manufacture shall be low and yet the container shall be capable of being quickly opened and the contents poured out in a stream. An unspouted opening in the container is not as satisfactory as an opening provided with spout means, and yet the provision of spout means of various sorts which have been proposed entails undesirable expense. Furthermore, the problem of sealing the container is complicated by the provision of spout means.

I provide a container having formed integrally, or substantially integrally, therewith spout means enabling easy pouring out of the contents of the container in a stream, together with closure means adapted to seal the container without the necessity of any manipulation or adjustment of the spout means. The spout means are preferably formed within a portion of the container adapted to receive the closure or cap, and a sealing portion or rim is preferably provided about the discharge opening and spout means so that when the cap is applied it will cooperate with such sealing portion or rim to seal the container.

Other details, objects and advantages of the invention will become apparent as the following description of a present preferred embodiment thereof proceeds.

In the accompanying drawing I have shown a present preferred embodiment of the invention, in which

Figure 1 is a partial top plan view of a container;

Figure 2 is a front elevational view of the upper part of the container shown in Figure 1;

Figure 3 is an enlarged plan view of a portion of the top of the container shown in Figure 1 but with the cap removed;

Figure 4 is a detail view of a portion of the container; and

Figure 5 is an enlarged cross-sectional view taken on the line V—V of Figure 1.

Referring more particularly to the drawing, a container 2 is provided, which container is preferably of sheet metal, and may be of any preferred or well known construction. A top 3 is connected with the body of the container 2 at 4. The connection effected at 4 is preferably more or less permanent in character as it is not contemplated that occasion will arise in use of the container for removal of the entire top 3.

The top 3 has communicating depressed portions 5 and 6 interconnecting at 7. The depressed portion 6 is open outwardly to permit draining. A handle member 8 is pivotally connected with the top 3 in any suitable manner, as by a fastening member 9. The construction thus far described may be of any desired type and no claim is made to such features broadly.

A projecting portion 10 is connected with the top 3 at 11. The projecting portion 10 is externally threaded at 12 for the reception of a cap 13 having therein a sealing gasket or washer 14.

At the outer part of the projecting portion 10 the material thereof extends generally inwardly or transversely of the projecting portion 10 and terminates in a discharge opening 15. The discharge opening 15 is of circular cross-section and is eccentric with respect to the portion 10, having its center positioned generally toward the center of the container from the center of the projecting portion. A sealing rim 16 is formed about the portion 10 at the outer extremity thereof, the gasket or washer 14 within the cap 13 serving, when the cap is screwed down on the projecting portion 10, to seal the container.

The material 17 within the sealing rim 16 is shaped to provide a depressed portion 18 providing a spout terminating adjacent the discharge opening 15. The spout 18 slopes toward the discharge opening and is narrower at its outer portion, that is to say, the portion nearer the periphery of the container, than at the inner portion which joins the discharge opening. The spout 18 terminates within and does not interrupt the sealing rim 16, so that, although the spout provides for pouring out the contents of the container in a controlled stream, it does not interfere with sealing of the container simply

by applying the cap 13 and screwing the same down on the projecting portion 10.

A frangible sealing member 19 is provided which is adapted to fit and seat within the discharge opening 15 and to be applied when the container is first filled. The frangible sealing member is preferably applied in such manner that it must be punctured in order to allow it to be removed. A depressed portion 20 is provided in the sealing member whereat the sealing member may be punctured by any suitable sharp tool and pried out.

The construction described provides a cheap and convenient pouring container having spout means formed integrally, or substantially integrally, therewith, which spout means do not require manipulation or adjustment and do not interfere with sealing of the container. The sealing portion surrounds the discharge opening and spout means so that the closure or cap may be applied over the spout means so as to close the discharge opening and seal the container.

While I have shown and described a present preferred embodiment of the invention, it is to be distinctly understood that the same is not limited thereto, but may be otherwise variously embodied within the scope of the following claims.

I claim:

1. A container comprising a projecting portion connected at its base with the container proper and having a discharge opening therethrough, the material of such projecting portion extending, in the direction toward the extremity thereof, generally inwardly thereof and toward the container proper and forming spout means.

2. A container having an outward projection which is externally threaded and the material of which extends generally inwardly of the projection and forms spout means, said projection having a discharge opening therethrough, and a cap adapted to be applied to said externally threaded projection, the external threading being in the same transverse zone as the spout means.

3. A container having a projecting cap-receiving portion connected at one end with the container proper, having a discharge opening therethrough and spout means therein and having a sealing rim at an intermediate portion of the material of the cap receiving portion, and a cap adapted to be applied to said portion and to cooperate with said sealing rim to seal the container, said cap receiving portion having cap retaining means intermediate its connection with the container proper and the sealing rim.

4. A container having a projecting portion having a discharge opening therethrough connected at one end with the container proper and having a portion of its material extending generally inwardly thereof and toward the container proper adjacent its other end and forming spout means.

5. A container having a projecting portion having a discharge opening therethrough connected at one end with the container proper and extending from such connection generally outwardly with respect to the container proper to form a sealing portion and thence generally inwardly and transversely of itself to form spout means, and a cap cooperating with said sealing portion.

6. A container having a projecting portion having a discharge opening therethrough connected at one end with the container proper and extending from such connection generally outwardly with respect to the container proper and thence generally transversely of itself, said generally transversely extending portion having a portion depressed generally toward the container proper to form spout means cooperating with the discharge opening.

7. A container having a discharge opening and having material adjacent said opening extending generally outwardly from said opening and then toward the container proper to connect with the same, said outwardly extending material having a portion depressed generally toward the container proper to form spout means cooperating with the discharge opening.

8. A container having a projecting portion having a discharge opening therethrough eccentric with respect thereto and whose center is positioned generally toward the center of the container from the center of the projecting portion, and spout means extending generally transversely of said projecting portion and cooperating with said discharge opening.

9. A container, comprising a cap-receiving portion, a discharge opening in said cap-receiving portion, spout means extending generally at right angles to said cap-receiving portion and within the same from adjacent said discharge opening, and a cap cooperating with said cap-receiving portion.

10. A container, comprising a cap-receiving portion, a discharge opening in said cap-receiving portion, spout means extending generally transversely of said cap-receiving portion from adjacent said discharge opening, a sealing rim surrounding the discharge opening and spout means, the sealing rim being remote from either extremity of the material of the cap receiving portion, and a cap cooperating with said cap-receiving portion and with said sealing rim to seal the container.

11. A sheet metal container comprising a container body member and a hollow extension member seamed to the container body member at one end and having the material thereof at its other end turned inwardly toward the axis of the extension member to form spout means and terminating in an opening of relatively small size.

12. A sheet metal container comprising a container body member and a hollow extension member seamed to the container body member at one end and having the material thereof at its other end turned inwardly toward the axis of the extension member and toward the body member to form spout means.

CHARLES H. ROLLASON.

CERTIFICATE OF CORRECTION. 3

Patent No. 2,006,963. July 2, 1935.

CHARLES H. ROLLASON.

It is hereby certified that the above numbered patent was erroneously issued to the inventor said "Rollason" whereas said patent should have been issued to Wheeling Steel Corporation, Wheeling, West Virginia, a corporation of Delaware, as assignee of the entire interest in said invention, as shown by the records of assignments in this office; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 6th day of August, A. D. 1935.

Leslie Frazer
Acting Commissioner of Patents.

(Seal)