

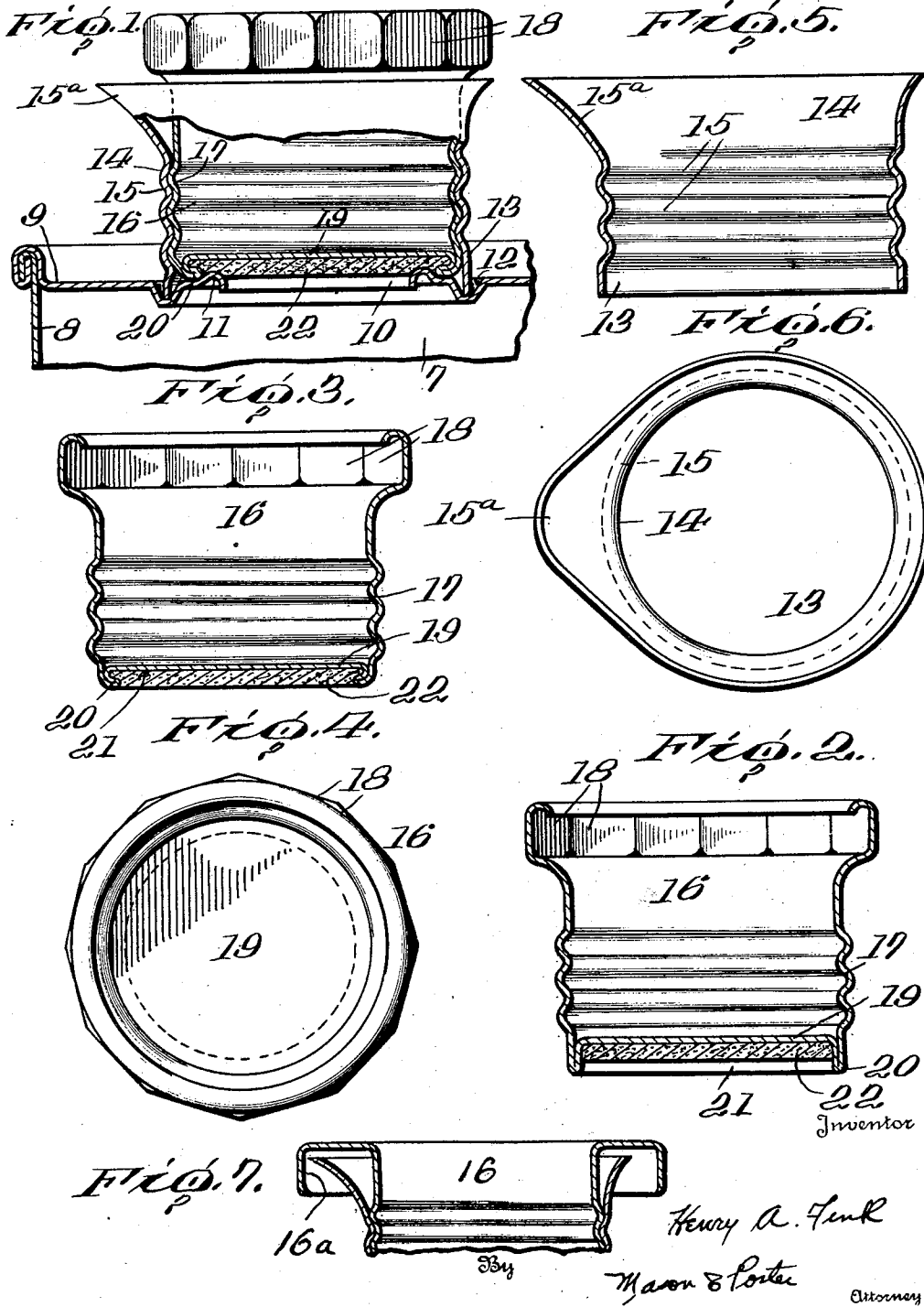
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CONTAINER

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CONTAINER

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1 Claim. (Cl. 220—39)

The invention relates to new and useful improvements in a container and more in particular to a container having a pouring spout attached thereto and a closure plug for hermetically closing said spout.

An object of the invention is to provide a container of the above type wherein the top end is shaped so as to provide a resilient sealing seat adapted to engage a gasket fixedly attached to the integrally closed end of the closure plug for hermetically sealing the container.

Referring to the drawing:

Fig. 1 is a view partially in section and partially in side elevation showing the improved container with its parts assembled.

Fig. 2 is a sectional view taken through the closure plug before the gasket is fixedly attached to the bottom end thereof.

Fig. 3 is a sectional view similar to Fig. 2, showing the closure plug after the gasket has been attached thereto.

Fig. 4 is a top plan view of the closure plug.

Fig. 5 is a vertical section view taken through the pouring spout before attachment to the container.

Fig. 6 is a top plan view of the same.

Fig. 7 is a view in vertical section of a slightly modified form of closure plug.

The invention relates particularly to a container which is provided with a pouring spout and a closure plug. The container is of the usual construction and includes a body portion having a top end seamed thereto. The top end has an opening through which the contents of the container may be dispensed and surrounding said opening is an annular raised bead which serves as a resilient sealing seat for the closure plug. The pouring spout has a breast portion with screw threads embossed therein and a pouring lip at its upper end. The diameter of the pouring spout is such that when attached to the top end of the container, the screw threaded breast portion completely surrounds the resilient sealing seat. The closure plug is provided with screw threads which are adapted to engage the threads on said breast. The closure plug is open at its upper end and is formed with a series of flattened portions around the periphery of the upper edge for aiding in turning plug. The plug has an integrally closed bottom, said bottom being inset from the lower edge of the plug to provide a recess for housing a sealing gasket. A sealing gasket is placed in the recess and the portion of the plug below the gasket is intumed to clamp the gasket in place in said recess.

When the closure plug is screwed down within the pouring spout, the annular seat on the container end will engage a portion of said gasket for hermetically sealing the container.

Referring more in detail to the drawing, a container embodying the improvements is indicated at 7, said container comprising a body portion 8 and having a top end 9 joined thereto in the well-known manner. The top end 9 is provided with an opening 10 and surrounding said opening is an annular raised bead 11. The bead serves as a resilient sealing seat. Circumferentially spaced outwardly from the sealing seat or bead 11 is a recess 12 which is adapted to receive the lower edge portion of a pouring spout 13. While the pouring spout is shown as being soldered within the recess 12 on the container for securing the same in place, it might be readily attached to the container in any other well-known manner. The pouring spout 13 is provided with a breast portion 14 which has screw threads 15 embossed therein. At the upper end of the pouring spout is a pouring lip 15a.

A closure plug 16 is provided for the pouring spout, said closure plug having screw threads 17 which are adapted to engage with the threads 15 on the pouring spout. The upper end of the closure plug 16 is open and is provided with a series of flattened portions 18 which serve to form a roughened hand grip for turning the closure plug when desired. The closure plug is provided at its lower end with an integral bottom 19, said bottom being inset from the lower edge 20 of the plug to provide a recess 21 for housing a sealing gasket 22 therein. After the sealing gasket 22 is placed within the recess 21 as indicated, the lower edge portion 20 of the closure plug which extends below the gasket is intumed to clamp the gasket in place. The portion 20 of the closure plug after the gasket is secured in place, is so dimensioned that when the closure plug is screwed into the spout, the gasket will engage the annular seat 11 on the can top and thus provide a hermetic seal for the container.

In the modified form of the invention shown in Fig. 7 of the drawing, the upper portion of the closure plug 16 extends outwardly and downwardly to form a recess 16a which is of sufficient diameter so as to completely cover and protect the upper end of the spout. This form of closure plug might be particularly advantageous in protecting the inner side of the pouring spout and lip from dust and foreign matters after a portion of the contents of the container has been used and the container reclosed.

From the above, it will be apparent that a container for dispensing oil or other fluid products has been devised wherein a gasket is attached to the lower end of a closure plug therefor by in-
5 turning the metal at the lower end.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent, is:—

10 A container including in combination a body portion having a top end attached thereto, said end having an opening and an annular bead surrounding said opening and forming a resilient sealing seat, a pouring spout attached to said container and surrounding said sealing seat, said

pouring spout being provided with a breast portion having screw threads embossed therein and with a pouring lip at its upper end, a closure plug for said pouring spout, said closure plug having screw threads for engagement with the threads
5 on said breast and an integral bottom, said bottom being inset from the lower edge of said plug to provide a gasket housing recess, and a gasket in said recess, the portion of the plug below the gasket being intumed to clamp the gasket in said
10 recess and permit said annular seat on the container end to engage said gasket.

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