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A. S. RAWORTH

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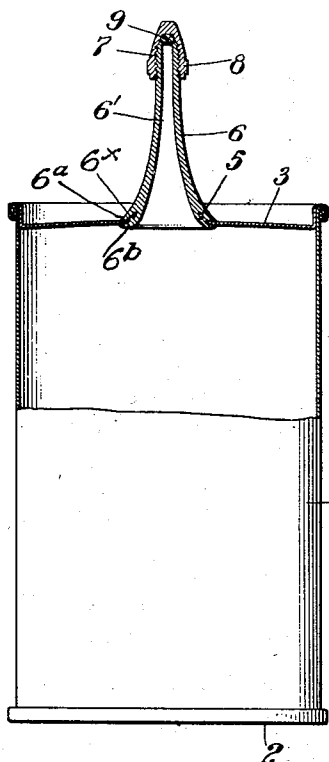


Fig. 1.

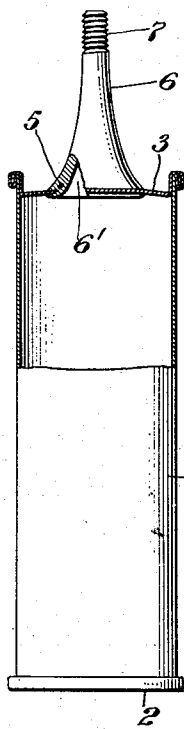


Fig. 2.

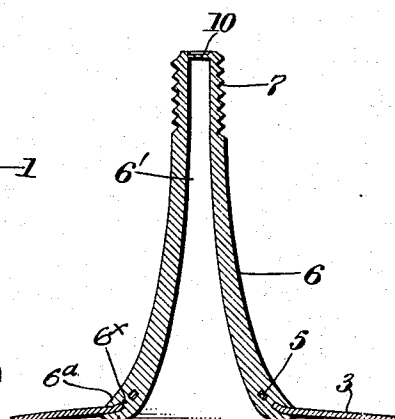


Fig. 3.

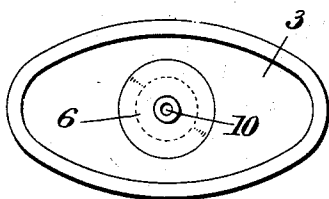


Fig. 4.

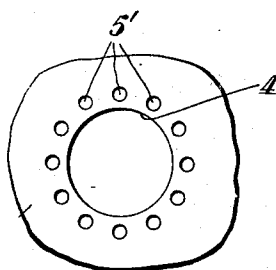


Fig. 5.

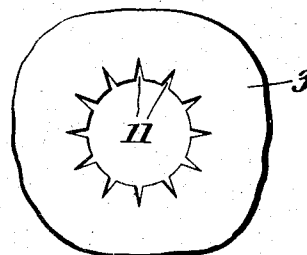


Fig. 6.

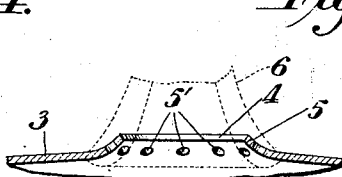


Fig. 7.

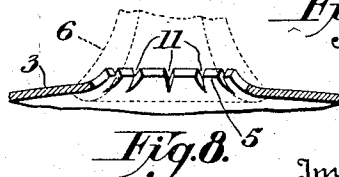


Fig. 8.

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## UNITED STATES PATENT OFFICE

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Application April 15, 1932, Serial No. 605,416  
In Great Britain November 18, 1931

6 Claims. (Cl. 221—56)

This invention relates to dispensers and more particularly to that type of dispenser known as hand oilers, and has for its object to provide a simple and efficient means of attaching a spout to the dispenser.

With the above and other objects in view, as will hereinafter appear, this invention consists in the combination, and arrangement of parts, hereinafter set forth and illustrated in the accompanying drawing of a preferred embodiment of the invention, from which the several features of the invention and the advantages attained thereby will be readily understood by those skilled in the art.

In the drawing

Figure 1 is a front elevation partly in section to show the relation of the parts.

Figure 2 is a side elevation partly broken away.

Figure 3 is an enlarged sectional view taken through the center of the spout.

Figure 4 is a top plan view, and Figures 5, 6, 7 and 8 are detailed views showing different ways of forming the neck portion for keyed connection with the spout.

In one embodiment of this invention selected for illustration, 1 designates the body, 2 the bottom and 3 the top of a can or container which may be made of sheet-metal or any other suitable material. The top 3 is formed with a centrally located aperture 4 surrounded by an upturned portion or flange forming a neck 5 which is provided with a circular series of openings 5'. The spout 6 is die-cast onto the neck portion 5, the metal flowing around both sides of the neck to form inner and outer lips 6<sup>a</sup> and 6<sup>b</sup> and through the apertures 5' to form anchorage elements 6<sup>x</sup> which bind the lips 6<sup>a</sup> and 6<sup>b</sup> together in clamping engagement with the neck 5, as shown in Figure 3, thus producing a binding mechanical connection as well as a bond between the neck portion 5 and die-cast spout 6.

In the specific examples of the invention illustrated, the spout 6 is shown as being of an elongated character and of tapered form. The spout 6 has an outlet passageway 6' and is provided at its outer end with threads 7 which receive a cap-screw 8 provided with a suitable gasket 9.

The passageway 6' in the spout 6 is filled with a narrow thickness of metal 10 from which the spout is cast, to completely seal the receptacle. All that is required of the purchaser is to puncture the seal 10 with a pin or similar instrument and the can is ready for use.

In the modification shown in Figures 6 and 8, the circular series of openings surrounding the main aperture are in the form of V-shaped radial notches 11 which may be provided in place of the perforations 5'. It will be obvious that either form may be used.

From the foregoing description considered in connection with the accompanying drawing, the construction and several advantages of my improved dispenser will be fully and clearly understood. It is apparent that such a device has a wide variety of uses, and it is understood the elements employed may be varied. Therefore the privilege is reserved of resorting to all such legitimate changes as may be fairly embodied with the spirit and scope of the appended claims.

Having thus set forth the nature of the invention, what I claim herein is:—

1. A container for liquids comprising a hollow sheet-metal body having a main opening therein, and a tubular metal spout having a base portion formed with inner and outer lips embracing the body of said container around said opening and further formed with a series of spaced anchorages connecting said lips.

2. A container having a sheet-metal body portion, a base, a top having an aperture, a spout die-cast around said aperture, said spout having inner and outer lips engaging said top around said opening, and a series of spaced anchorages connecting said lips.

3. A container for liquids comprising a hollow sheet-metal body having a main opening therein, and a tubular spout die-cast to said hollow sheet-metal body around said aperture, said spout being formed with inner and outer lips which engage said body around said opening on the inner and outer sides of said body, and spaced anchoring elements connecting said lips.

4. A container for liquids comprising, a sheet-metal body having a neck portion, a series of openings in said neck portion, and a tubular metal spout die-cast to said neck portion, the metal from which said spout is cast flowing through said openings thereby forming a mechanical connection between said spout and said sheet-metal body.

5. A container comprising a hollow sheet-metal body having a main opening, the metal around said opening having anchoring formations therein, and a tubular metal spout die-cast to said sheet-metal body and having a base-portion formed about said anchoring formations, to provide a mechanical connection between said spout and said sheet-metal body.

6. A container having a body portion, a base, a sheet-metal top having an aperture, said top being provided with a series of anchoring keys arranged around said aperture, and a tubular metal spout die-cast to said top around said aperture, said spout having a base-portion formed about said anchoring keys, to provide an interlocking engagement between said die-cast spout and said sheet-metal top.

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