

E. ECKART.

CAN.

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983,883.

Fig. 1.

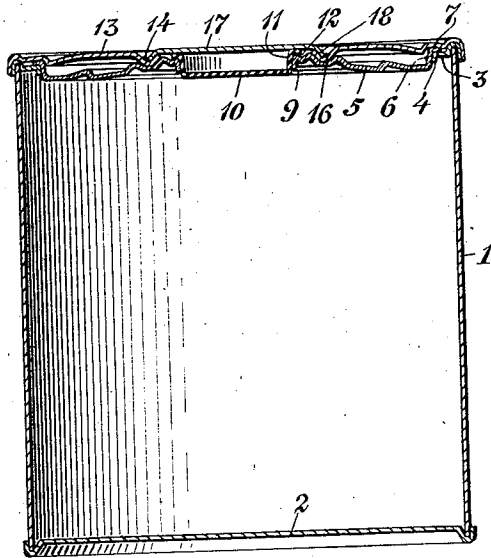


Fig. 2.

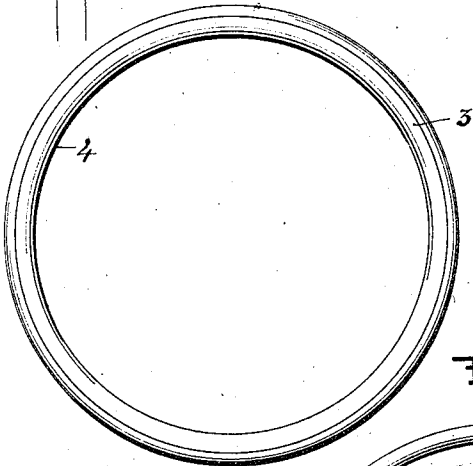


Fig. 3.

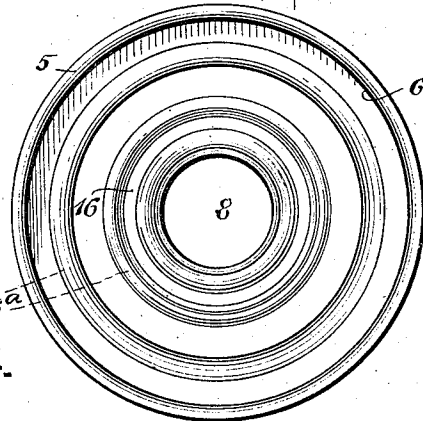


Fig. 4.

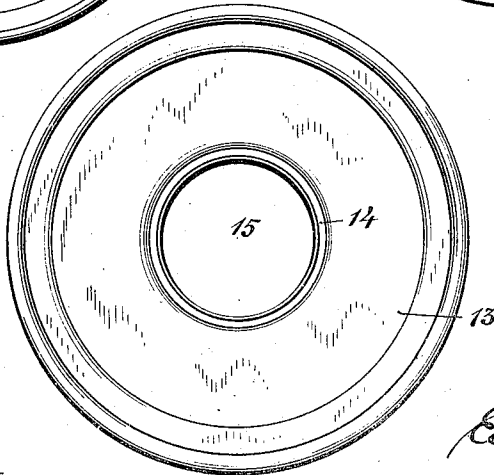


Fig. 5.

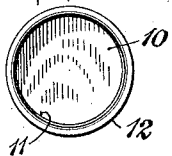
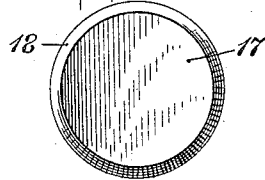


Fig. 6.



WITNESSES

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To all whom it may concern:

Be it known that I, EDMUND ECKART, a citizen of the United States, and resident of New Rochelle, Westchester county, State of New York, have invented certain new and useful Improvements in Cans, of which the following is a specification.

My invention relates to cans and has for its object to construct a can of large size and diameter so that a friction cover may be used in connection therewith without the danger of said cover being accidentally dislodged. In other words I provide an additional outside top preferably made of soft metal to prevent the said cover from being displaced by the pressure of the contents of the can against said cover from the inside.

My invention will be fully described hereinafter and the features of novelty will be pointed out in the appended claims.

Reference is to be had to the accompanying drawings in which—

Figure 1 is a central vertical section of a can constructed according to my invention; Fig. 2 is a plan view of the friction ring; Fig. 3 is a plan view of the friction cover; Fig. 4 is a similar view of the outer top cover; Fig. 5 is a plan view of a small friction cover used in my construction and Fig. 6 is a similar view of the closing cap used in my invention.

In the drawings 1 is the body of the can which is provided with the usual bottom 2 secured thereto in any suitable manner as by soldering. A friction ring 3 is fastened to the upper open end of the can body and is formed with an inwardly extending annular flange 4. A friction cover 5 is arranged to fit within said friction ring 3 and is provided with a depressed portion 6, the wall of which is adapted to engage the flange 4 and frictionally maintain the cover in position. The cover 5 is further formed with a peripheral flange 7 which, when the cover is in position on the can extends over the ring 3 in a plane substantially parallel with that of said ring. The cover 5 is provided with a number of reinforcing rings 6* and has a central opening 8 having a downwardly projecting flange 9 similar to the flange 4. This opening 9 is adapted to receive a recessed or depressed friction cover 10 the wall 11 of which is arranged to frictionally engage the flange 9 and secure the cover 10 in position. The cover 10 is provided with a peripheral flange 12 similar to the flange 7.

13 is a top cover preferably made of soft metal such as thin tin plate commonly known as taggers tin and secured to the can body 1 in any suitable manner preferably by soldering. This cover extends over the friction cover 5 and engages the flange 7 thereof as clearly shown in Fig. 1. The said top cover 13 is formed with an annular depression 14 which surrounds a central opening 15 in said cover and is adapted to enter an annular recess 16 in the cover 5. The central opening 15 is in axial alinement with the opening 8 and is arranged to be closed by a closing cap 17. The said closing cap 17 extends over the friction cover 10 and engages the flange 12 thereof and further has its periphery bent or turned downward as indicated at 18 to enter the depression 14. The closing cap 17 is fastened in position to close the opening 15 by means of solder which is applied in the annular depression 14.

In manufacturing the can the friction ring 3 with the cover 5 therein and the top cover 13 are placed on the body, crimped and soldered on together, it being understood that the central opening 15 is free, the cap 17 not yet having been fastened in position. The can is now ready to receive the goods it is intended to contain, which goods are introduced through the opening 8, the cover 10 having been removed to make this possible. After the can has been filled the cover 10 is again forced into the opening 8 in which it is maintained by friction after which the cap 17 is soldered in position on the cover 13 to close the opening 15. The contents of the can are protected by the covers 5 and 10 during this soldering process so that in the case the can contains inflammable material the danger of said contents catching fire is entirely eliminated. After the closing cap has been secured in position the package is ready for shipment. The top cover 13 and closing cap 17 prevent the friction covers 5 and 10 from being accidentally forced from their respective openings by a pressure of the contents of the can from the inside. This double sealing of the can also precludes any possibility of leakage as every portion of said can is hermetically sealed.

When it is desired to use the contents of the can the relatively soft top cover 13 is cut out with a suitable tool, close around the edge of the can, so as to expose the friction covers 5 and 10. If a small opening is de-

sired the friction cover 10 alone is removed by inserting the end of a screw driver or a nail or a similar article under the flange 12 and forcing said cover out of said opening.
 5 If the can should contain paint or similar substance which requires stirring, or the insertion of a large brush, so that a large opening is preferable the cover 5 may be pried off by inserting the end of a nail or similar
 10 article under the flange 6.

With my improved construction I thus secure a can of large capacity which is perfectly sealed for shipment and in which the advantages of a friction cover are secured
 15 and in which either a large or a small opening is available. Should the contents of the can not be entirely used up in one operation, the can may be temporarily resealed by forcing the covers 5 and 10 back into their respective openings. The contents of the can
 20 are thus always protected against dust and deterioration and are absolutely secure during shipment or storage.

The reinforcing rings 6^a of the cover 5 serve to stiffen said cover so that it is possible to use it as a support to obtain the proper leverage in removing the small cover 10. This reinforcing of said cover 5 also prevents the can from springing which
 30 would tend to force the friction flange 9 outwardly and thus disturb a perfect closure.

Various modifications may be made without departing from the nature of my invention as defined in the claims.

I claim as my invention:

1. A receptacle comprising a body having an open end, a removable cover for closing said open end adapted to be frictionally held in position and provided with a central opening a second cover arranged to close
 40 said opening and to be frictionally maintained therein, a top secured to said body and provided with an opening in axial alignment with said central opening said top extending over said first named cover to prevent accidental displacement thereof and a closing cap adapted to close the opening in
 45 said top and to engage said second named cover to maintain it against accidental removal.

2. A receptacle comprising a body having an open end, a cover secured frictionally at said end and provided with a central opening, a second friction cover arranged to close
 50 said central opening, a cap superimposed on said central cover and projecting beyond the same peripherally, and an annular top, the outer edge of which is secured to the body while its inner edge is fitted between the
 55 first-named cover and the projecting periphery of the cap.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

EDMUND ECKART.

Witnesses:

JOHN RAABE,
 JOHN ZOELLNER.