

G. W. RUGGLES.  
PACKING CAN.  
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1,189,294.

Patented July 4, 1916.

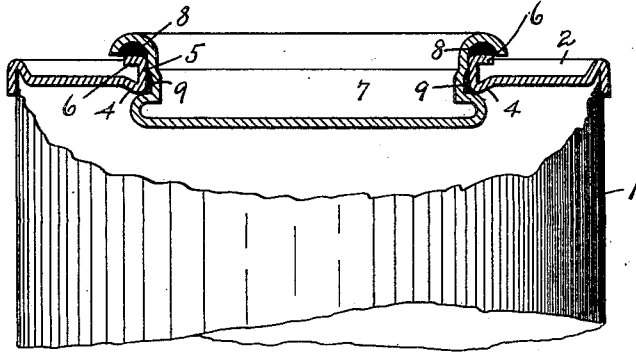


Fig. 1.

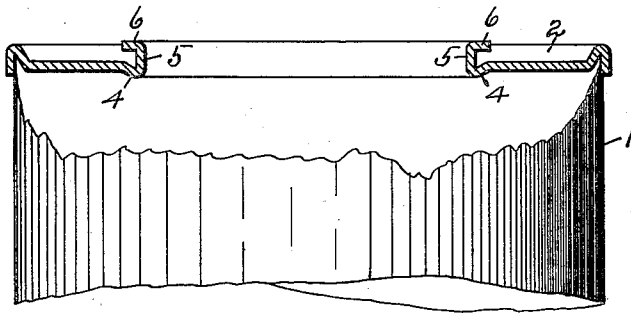


Fig. 2.

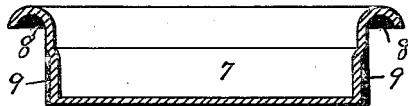


Fig. 3

Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## PACKING-CAN.

1,189,294.

Specification of Letters Patent.

Patented July 4, 1916.

Application filed February 23, 1915. Serial No. 9,808.

*To all whom it may concern:*

Be it known that I, GEORGE W. RUGGLES, a citizen of the United States, residing at Baltimore, in the State of Maryland, have  
5 invented certain new and useful Improvements in Packing-Cans, of which the following is a specification.

This invention relates to improvements in packing cans, and has for its object to  
10 provide a can with a top and cap so constructed that the said can may readily be hermetically sealed without the use of solder or similar material.

The invention consists of the novel construction and arrangement of the parts and combination of parts hereinafter more fully  
15 set forth in the following specification and pointed out in detail in the claims.

In the accompanying drawings,—Figure  
20 1 is an elevation, partly in section, of a packing can showing my invention applied thereto. Fig. 2 is a similar view to Fig. 1, with the cap removed therefrom. Fig. 3 is a detail vertical section of the cap before being  
25 expanded in the can.

Referring to the accompanying drawings, forming part of this specification, and in which like reference numerals designate like parts throughout the several views thereof,  
30 1 designates a packing can, which may be of any desired shape, and which is provided with a top 2 soldered to said can and having an opening through which the said can is filled in the process of packing. The  
35 metal around said opening is slightly depressed at 4 then bent upwardly at 5 and provided with an annular outwardly projecting flange 6 at the top thereof, which greatly strengthens the metal around said  
40 opening. The cap 7 has its upper edge rolled over to strengthen the said cap as well as to form a recess for the gasket 8; the lower end of the said cap 7 being slightly contracted to receive the gasket 9, which  
45 latter when fitted in position on the contracted end of the cap has its outer surface flush with the outer surface of the said cap. The gaskets 8 and 9 may be of rubber, cork, or other suitable material.

50 After the can has been filled, the cap 7 is forced down, by suitable machinery, into the opening in the top of the can with the gasket

8 resting upon the flange 6 and the gasket 9 impinging against the inner wall of the said opening. The lower end of the cap 7  
55 is then expanded, by a suitable tool, which draws the gasket 8 down tightly upon the flange 6 and forces the gasket 9 up tightly between the cap 7 and the side 5 of the opening, thereby forming an air-tight joint between the cap 7 and the top 2, and hermetically sealing the can. It will thus be seen that by having the lower end of the cap 2  
60 expanded, as shown in Fig. 1, it will be absolutely impossible to remove the said cap 65 without totally destroying the can.

Having thus described my invention, what I claim is:

1. The combination of a can having a top provided with an opening therein, the metal  
70 around said opening being depressed then turned upwardly and provided with a flange on its upper edge, and a cap adapted to fit within said opening and having its lower end expanded under the depressed edge of  
75 the opening of the said top.

2. The combination of a can having a top provided with an opening therein, the metal  
80 around said opening being depressed, then bent upwardly and provided with a flange at its upper end, a cap having flanged upper end and a contracted lower end, and having its lower end expanded under the depressed edge of the opening, a disk between the flange of the cap and the flange  
85 around the said opening, and a disk on the contracted lower end of the cap.

3. The combination of a can having a top provided with an opening therein, the metal  
90 around said opening being depressed then turned upwardly and provided with a flange on its upper edge, a cap adapted to fit within said opening and having its lower end expanded under the depressed edge of the opening of the said top, and a gasket be-  
95 tween said cap and said depressed edge of the can opening.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. RUGGLES.

Witnesses:

MAUDE M. AMOSS,  
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