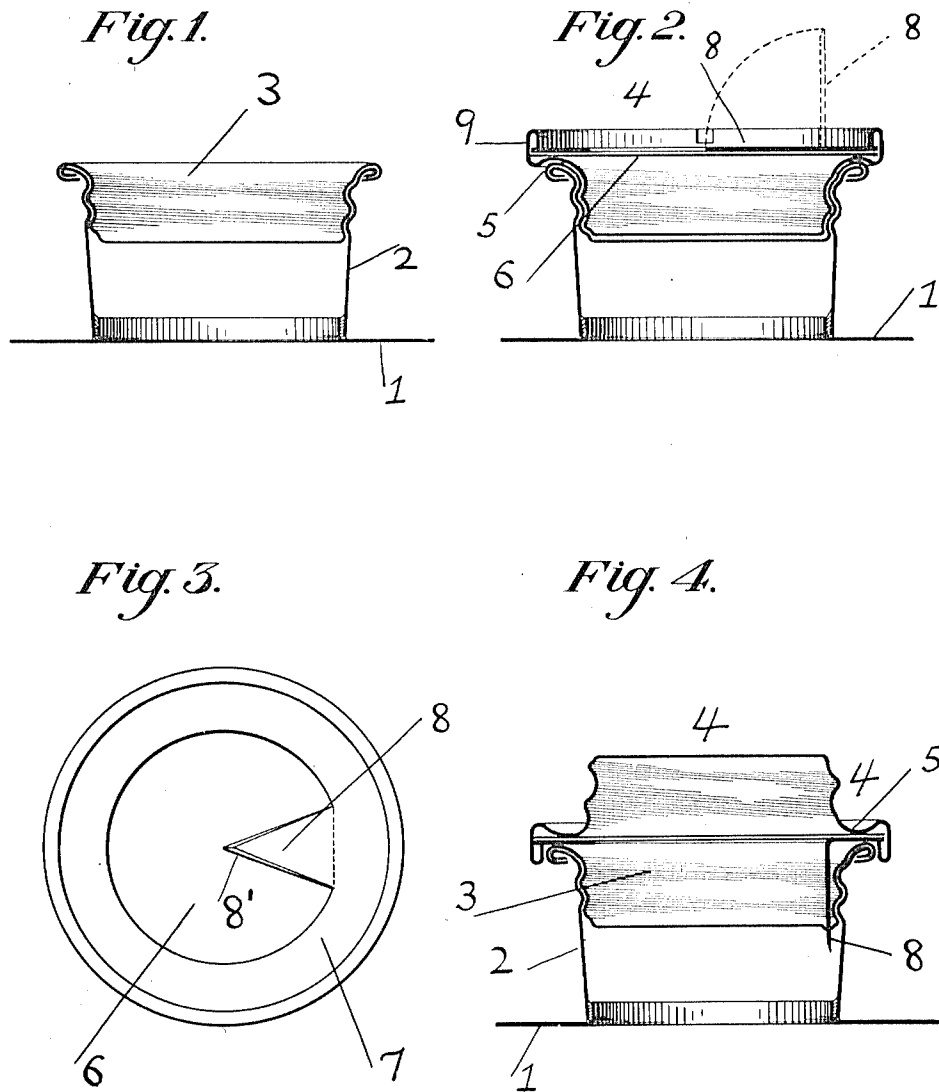


S. W. MILLIGAN & J. F. JACOBSEN.
 SEALING DEVICE FOR CANS, &c.
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1,040,726.

Patented Oct. 8, 1912.



Witnesses:
 John Darby
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UNITED STATES PATENT OFFICE.

STEPHEN W. MILLIGAN, OF ELIZABETH, AND JACOB F. JACOBSEN, OF NEWARK, NEW JERSEY, ASSIGNORS TO THE MANUFACTURERS CAN COMPANY, OF NEWARK, NEW JERSEY, A CORPORATION OF NEW JERSEY.

SEALING DEVICE FOR CANS, &c.

1,040,726.

Specification of Letters Patent.

Patented Oct. 8, 1912.

Application filed February 5, 1912. Serial No. 675,461.

To all whom it may concern:

Be it known that we, STEPHEN W. MILLIGAN, residing in Elizabeth, county of Union, State of New Jersey, and JACOB F. JACOBSEN, residing in Newark, county of Essex, State of New Jersey, citizens of the United States, have invented certain new and useful Improvements in Sealing Devices for Cans, &c., of which the following is a specification.

This invention relates to a style of can sealing device disclosed in the application for Letters Patent, Ser. No. 672,199, filed January 19, 1912 by us. In the construction of that sealing device, there is a can spout of standard character except that it is tapered and adjacent its orifice has spun or impressed into it a screw thread. The sealing cap is a shallow cup shaped sheet metal member correspondingly tapered, having in its peripheral wall a corresponding screw thread and at its orifice an outwardly extending flange, so that the sealing member may be screwed into the spout and the flange spun over the flanged edge of the spout. There is also a tapered plug having in its peripheral wall a screw thread that is adapted to engage the thread of the spout to afford a temporary closure of the can and is also adapted to screw into the sealing member and to act to expand the same radially if it does not, when applied as above described, hermetically close the spout.

In the accompanying drawing: Figure 1 is a sectional view showing the spout and the sealing member applied thereto; Fig. 2, a like view showing the same parts with the plug screwed into the sealing member; Fig. 3, a plan view of the top of the plug; and Fig. 4, a sectional view showing the plug inverted upon the spout.

1 represents the top of the can, 2 the tapered threaded flanged spout and 3 the tapered flanged threaded sealing member applied thereto. The tapered threaded plug is indicated generally by 4. Its head is of such diameter as to overlie the edge of the sealing member and on the under edge of the part overlying the sealing member, there is thrown up an annular groove forming an upwardly extending annular rib 5 which acts to support a name plate 6 and a flat sheet metal ring 7 having an inwardly projecting cutter 8. The name plate 6 and ring

7 are held firmly in place by turning down upon them an upwardly extending flange 9 at the edge of the top of the plug, the flange 9 being of such dimensions that when so turned it leaves a counter sink in the head of the plug. This counter sink is of such dimension as that when the plug is inverted upon the sealing member, it will readily pass over or embrace the sealing member so that the upright flange formed by the turned over flange 9 serves as a guide in the rotation of the inverted plug upon the sealing member.

All the parts are made of sheet metal of suitable thickness and character and the ring 7 having the cutter 8 is made of heavier, harder sheet metal than the other parts and, preferably, the edge of the cutter 8 is chamfered as at 8'. The length of the cutter 8 is such that when it is turned up at right angles, as indicated in Figs. 2 and 4, and the plug is inverted upon the sealing cap, the point of the cutter can be forced through the bottom of the sealing cap, as shown in Fig. 4, and then by rotation of the head, the bottom of the cap may be cut out. The cutter may be then bent back into horizontal position and the screw plug used as a removable stopper for the opened can.

We claim:

1. A sealing device for cans comprising a flanged tapered threaded spout, a flanged tapered threaded cup shaped sealing member, the flange of which is adapted to be spun over the edge of the spout, and a tapered threaded plug adapted to screw into the thread of the spout and also into the thread of the sealing member and having a cutter secured at its top in normal flat or horizontal position, the cutter being adapted to be turned up into vertical position and of such length that when the cutter is turned up and the plug inverted on the sealing member the cutter may be forced through the bottom of the sealing member which by rotation of the plug may be cut out.

2. A sealing device for cans comprising a flanged tapered threaded spout, a flanged tapered threaded cup shaped sealing member, the flange of which is adapted to be spun over the flanged edge of the spout, a flanged tapered threaded plug adapted to screw into the thread of the spout and also into the thread of the sealing member and

having an upright flange around its upper edge forming a counter sink adapted to fit over the edge of the sealing member and a cutter secured at the bottom of said counter sink and projecting from adjacent the edge thereof inwardly in normal horizontal position and adapted to be turned up at right angles for the purpose described.

In testimony whereof, we have hereunto subscribed our names.

STEPHEN W. MILLIGAN.
JACOB F. JACOBSEN.

Witnesses:

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