

E. BJELLAND.
SEAMING SHEET METAL CANS AND OPENING DEVICE FOR THE SAME.
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949,210.

Patented Feb. 15, 1910.

Fig. 1.

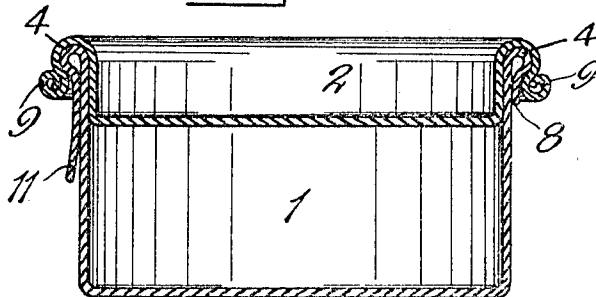


Fig. 2.

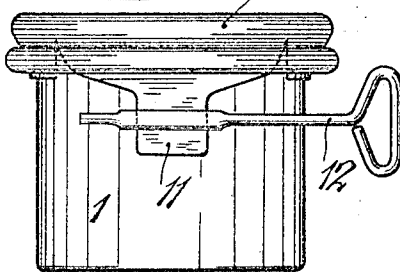
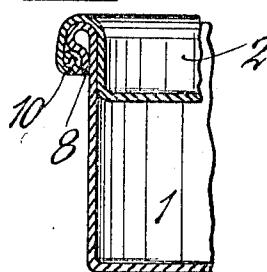


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

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SEAMING SHEET-METAL CANS AND OPENING DEVICE FOR THE SAME.

949,210.

Specification of Letters Patent.

Patented Feb. 15, 1910.

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To all whom it may concern:

Be it known that I, ERIK BJELLAND, master workman, a citizen of the Kingdom of Norway, residing at the city of Stavanger, Norway, have invented a new and useful Improvement in Seaming Sheet-Metal Cans and Opening Devices for the Same; and I do hereby declare the following to be a full, clear, and exact description of the same.

According to my present invention, I connect the cover and body of a can by means of a fold in such a manner that the cover may be removed without being deformed, and then again may be used for protecting the contents of the can against dust and air.

The invention is illustrated in the accompanying drawing, in which,

Figure 1 is a vertical section through a can body and through a cover fitted thereto; Fig. 2 is an end view of a can with attached cover, and in which the separation of the cover may be effected by means of an ordinary key for cans; and Fig. 3 illustrates a modified form of the fold connection.

The upper edge of the can body 1 is folded or rolled tightly so as to form an outer bead, roll or rim 4. In similar manner, the outer edge of the cover 2 is rolled together to form a roll or rim 9. After having placed the cover upon the can body and inserted the whole in a can folding or seaming machine, the roll 9 of the cover is gradually folded downward, so that it is successively bent to the position shown in Fig. 1, partly in beneath the upper edge roll 4 of the can body. When, in this manner, the center of the cover roll 9 has arrived a small distance beneath the center (or the outermost edge) of the roll 4 of the can body (shown in Fig. 1) the body (or can) and the cover are securely connected together. This fold connection has proved to hold completely tight, even under an inner pressure of about 3 atmospheres. Also the cover may be removed comparatively easily, without a special opening tool. The removing of the cover may be effected by pressing upward the edge roll 9 of the cover at any desired point. When the roll 9, at this single point, has been forced upward, so that its center is located somewhat above the center of the roll 4 of the can body, the roll 9 will rise all along the fold, until the cover finally springs off.

Thus it is not necessary to use an opening key. Further, it will be understood that the

cover, which in the manner described has been forced off from the can body without having been deformed, may be thereafter placed upon the can and forced down upon the same by hand, to the position shown in Figs. 1 and 2. However, it is found to be advantageous to have a device for the opening, because frequently the cover is folded or fitted to the can body so strongly, that it is difficult to remove the cover by hand alone. For the purpose set forth, I use the opening key 12 shown in Fig. 2, and I bend the edge of the upper roll 4 down along the side of the can body, as shown at 8, in Figs. 1 and 3. This shape of the bead enables the provision of a very simple opening device. As shown in Fig. 2, the bead edge 8 at one end of the can is provided with an extension forming a tongue or lip 11, which may be engaged by the key 12 and coiled thereon. During this coiling, the roll 9 gradually is forced upward, until the cover springs off.

Instead of the cover having a roll 9 turning outward, the roll may turn inward as illustrated at 10 in Fig. 3.

Having now described my invention, what I claim and desire to secure by Letters Patent is:

1. A vessel for food and the like adapted to be opened and resealed at will, comprising a can-body having its upper edge provided with a folded rim, and with an extension thereon forming a lifting, cover-displacement tongue for engagement with a key, and a cover also provided with a folded rim engaged with that of the body and having its center located below that of the rim of the can body and in position to be lifted by the said tongue when coiled.

2. A vessel for food and the like adapted to be opened and resealed at will, comprising a can-body having its upper edge provided with a folded rim, and with an extension thereon forming a lifting, cover-displacement tongue, and a cover also provided with a folded rim engaged with that of the body and having its center located below that of the rim of the can body and in position to be lifted by said tongue.

Signed at Stavanger Norway this 16th day of March A. D. 1909.

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