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J. M. YOUNG

ATTACHMENT OF KEYS TO TEARING STRIP CANS

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Inventor.

John M. Young

By: Monday Clark, carpenter.
This invention relates broadly to the attachment of keys to tearing strip cans for engagement with the tongue to remove a portion set off by score lines to open the can, and more particularly to the attachment of such a device to cans of an irregular shape such as tobacco and like cans.

An important object of the invention is to provide a means at a low cost for removably attaching keys to cans that will require no soldering or welding, which will be efficient in operation, which may be readily and quickly attached by unskilled labor, which requires no special formation of the key and which permits of reattachment by the user upon occasion to prevent loss thereof.

Numerous other objects and advantages of the invention will be apparent as it is better understood from the following description, which, taken in connection with the accompanying drawings, discloses a preferred embodiment thereof.

Referring to the drawing:

Fig. 1 is a perspective view of a can and key attached thereto in accordance with my present invention.

Fig. 2 is a section taken substantially on line 2—2 of Fig. 1.

For the purpose of illustrating my invention, I have shown an irregular shaped can body 11 which is provided with encircling score lines 12 providing a tearing strip between them. This strip terminates in a tongue 13. The can body is provided with an end closure 14, which in the present instance is secured thereto by means of the usual double seamed or interfolded flanges 15. I have shown also on the drawing a key 16 for engaging the tongue 13 as a preliminary to the tearing away of the tearing strip.

It will, of course, be readily apparent as the invention is better understood that the particular structure of the can and key and the shape and location of the portion to be removed by the key are utterly unimportant from the standpoint of the present invention.

An attaching strip 17 is provided which is formed to embrace the key as shown at 18 (Fig. 2) and extends outwardly and downwardly therefrom on opposite sides as at 19 to the cover 14 to provide clearance for the flattened portion 21 of the key. The strip 17 extends outwardly from the key in both directions to the inside of the seam 15 and is of sufficient length to permit of die forming in accordance with the contour of the seam as at 22, the ends 23 having sufficient flexing strength to hold the parts in fixed relation. The key is positioned on the can within the depression of the end closure as shown in Fig. 1 with the handle thereof abutting the end or end curve as at 24. The attaching strip is snapped over the seam by reason of the spring flexing of the seam-grasping ends 23 and positioned against the handle as at 25, thereby preventing longitudinal movement of the key and securing the parts in fixed relation.

While it is possible to remove the attaching strip and the key by lifting one of the ends of the key, the preferred method of removal is to slide the strip along the seam and out of engagement with the key as shown by the dotted line position of the strip in Fig. 1.

It is thought that the invention and many of its attendant advantages will be understood from the foregoing description, and it will be apparent that various changes may be made in the form, construction and arrangement of the parts without departing from the spirit and scope of the invention or sacrificing all of its material advantages, the form hereinbefore described being merely a preferred embodiment thereof.

I claim:

1. A seamed tearing strip container having parallel upstanding seams, a key for opening said container and means removably securing said key to said container and having clamping engagement with said opposing parallel seams and being slidable thereon to permit removal of the key.

2. A seamed tearing strip container having a pair of parallel upstanding seams, a key for opening said container positioned against the body thereof within the depression formed by the seams and means removably securing said key to said container engaging the said parallel seams whereby together with said parallel seams, the key is
held from movement in all directions, said means being slidable into and out of key engaging position.

3. A can having double seamed ends, a portion set off by score lines and provided with a tongue adapted for engagement with a key to remove said portion to open said can, a key for engaging said tongue and means securing said key against the body and within the depression formed by the seam thereof, said means engaging the seam and being slidable into and out of key engaging position.  

JOHN M. YOUNG.