G. H. Perkins.

Cap for Metal Cans.

No. 100,186. Patented Feb. 22, 1870.

Fig: 1

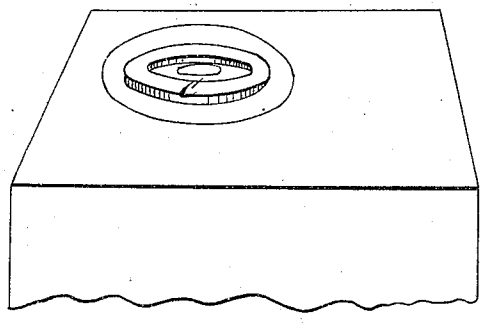


Fig: 3

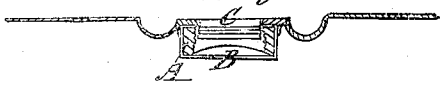
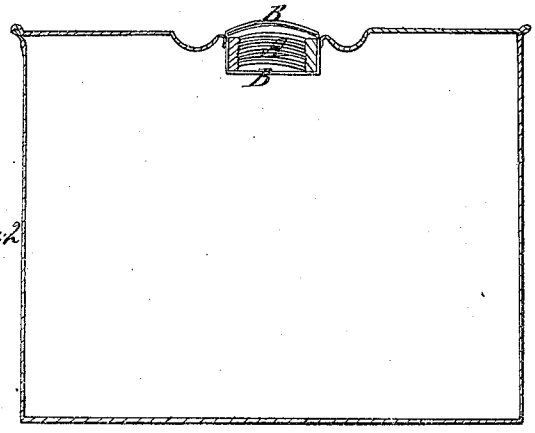


Fig: 2



Witnesses
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GEORGE H. PERKINS, OF BROOKLYN, NEW YORK.

Letters Patent No. 100,186, *dated February* 22, 1870.

IMPROVEMENT IN CAPS FOR METALLIC CANS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, GEORGE H. PERKINS, of the city of Brooklyn, in the county of Kings, and State of New York, have invented a new and useful Improvement in Mouth-Pieces or Caps for Metallic or other Cans; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, which are lettered to correspond with and form a part of the specification.

To enable the public to understand the nature of my said invention, and those who are skilled in the tinsmith's art to construct the same, I will describe it, as follows, to wit:

Figure 1 is a perspective drawing of the top of a tin or other can, having my improved mouth-piece or cap, which consists of three distinct parts, A, B, and C, arranged as shown more clearly in Figure 3, which is a vertical section of my improved mouth-piece or cap, A, when soldered in the top of the can.

Figure 2 is also a vertical section of a square can, having my compound mouth-piece A and B, with the male screw-cap C removed, in order to show the projecting upper edge B′ of the soft, thin sheet metal which constitutes the plug of the vessel or can, and which is supported on the inside by a more rigid metallic screw-ring, A, which is soldered to the soft sheet metal at the lower part thereof, and which is further secured by turning the upper edge B′ of the soft, thin sheet metal down upon the top of the ring A, as shown at fig. 3, preparatory to receiving the male screw-plug C.

By the use of an additional screw-ring, A, inside of the thin sheet metallic plug, I am enabled to use much thinner sheet metal for the inside cap or plug B, so that it can easily be cut away with an ordinary pen-knife, without breaking the same, as the ring A is sufficiently firm to receive an ordinary wooden spigot or plug, and to cut a thread upon the same, thereby holding it in its place without leakage of the contents of the can.

I am aware that thin sheet-brass or other metals have been used to seal or plug metallic cans, and I am also aware that screw-threads have been formed of sheet metal to constitute the nozzle of petroleum and other cans. In that case additional thin, soft metallic bottoms have to be attached to the lower part of the neck or nozzle to enable the can to be opened with an ordinary knife, or else the sheet metal must be made too thick or hard to be cut without injury to the knife or nozzle of the can, as is the case with the English nozzle.

Therefore, I do not claim forming screw-threads in or upon sheet-metal nozzles for cans; neither do I claim soft, thin sheet-brass for the nozzle of a can; but by my arrangement I am enabled to use a much lighter inside cap, B, formed in one piece of the thinnest sheet-brass, or even softer metal, such as lead or zinc, and yet retain all the rigidity and durability of any other apparatus of the kind, by simply arranging the throat of the can below the line of the top thereof, and inserting the rigid screw-ring A, which constitutes the novelty of my invention, and may be made of brass, or any other suitable metal that will cut a thread upon the spigot or faucet when inserted into the opening of the can, and thus prevent any leakage of its contents, excepting through the faucet. Therefore,

What I claim as novel and useful, and what I wish to secure by Letters Patent of the United States, is—

The combination of the mouth-piece or ring A, sheet-metal cap or plug B, and male screw-cap C, constructed substantially as described.

In testimony whereof I hereunto subscribe my name in the presence of two witnesses.

GEORGE H. PERKINS.

Witnesses:

ANNE S. MCLEAN,
JAMES P. MCLEAN.