

H. W. PHELPS.
CAN NOZZLE SEAL.
APPLICATION FILED JAN. 11, 1912.

1,022,045.

Patented Apr. 2, 1912.

Fig. 1

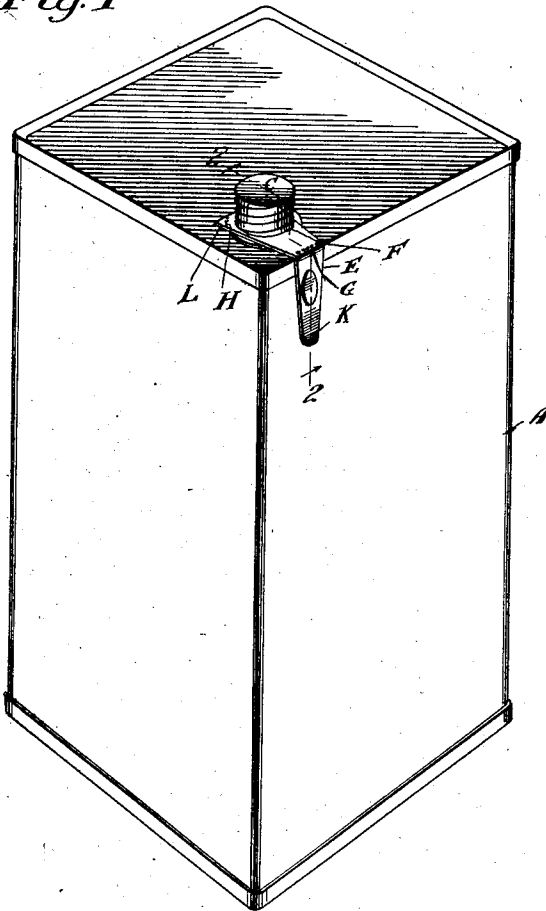


Fig. 3

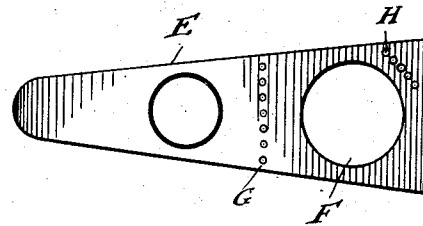
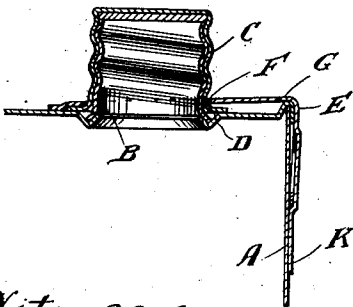


Fig. 2



Witnesses:

Wm. Sugar
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UNITED STATES PATENT OFFICE.

HENRY W. PHELPS, OF YONKERS, NEW YORK, ASSIGNOR TO AMERICAN CAN COMPANY,
OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

CAN-NOZZLE SEAL.

1,022,045.

Specification of Letters Patent.

Patented Apr. 2, 1912.

Application filed January 11, 1912. Serial No. 670,710.

To all whom it may concern:

Be it known that I, HENRY W. PHELPS, a citizen of the United States, residing in Yonkers, in the county of Westchester and State of New York, have invented a new and useful Improvement in Can-Nozzle Seals, of which the following is a specification.

This invention relates to seals for can nozzles of that kind wherein the seal consists of a strip of sheet metal, perforated to pass over the shouldered screw cap of the can nozzle above the said shoulder, and to be soldered to the can and broken at a weakened or tearing line. And the invention consists in such a perforated sealing strip provided with a weakened tearing line, and it further consists in providing such a sealing strip with two weakened tearing lines, so that it may be soldered at two points, one at each side of the can nozzle.

In the accompanying drawing which forms a part of this application, Figure 1 is a perspective view of a can and its nozzle, provided with one of the improved seals. Fig. 2 is a section, taken on the line 2—2 of Fig. 1. Fig. 3 is a view of the sealing strip itself before the same is applied to the nozzle and can.

In said drawing, A represents the can body, B is the can nozzle, C is the screw cap which screws down upon the nozzle to close the same and D is the shoulder or collar at the lower edge of the screw cap. The seal strip consists of a strip E of sheet metal, perforated at F with a hole large enough to pass over the screw cap C, but not large enough to permit the passage through it of the shoulder D of said cap.

G is a weakened line on the strip E, the same, in the instance illustrated, consisting of a row of perforations.

H is a second weakened line, consisting of a row of similar perforations.

To seal the can, the cap C is screwed down upon the nozzle, thus closing the can, and the perforation F of the strip E placed over the cap, and the small tag end of the sealing strip is bent down over the corner of the can and soldered to the can at K. And the strip is preferably also soldered to the can at the point L on the other side of the nozzle. The advantage of soldering the seal thus at two sides of the screw cap is that said cap is held firmly down against any loosening or unscrewing, which prevents any tendency to leak. Of course, if the seal shall be soldered at only one side, as, for example, at the point K, it will be effectively operative to prevent the cap from being removed, and thus achieve some of the advantageous results of my invention. I prefer, however, to construct the seal with two weakened lines and to secure it at two points to the can body, at opposite sides of the nozzle.

I claim:—

1. The seal for can nozzles, consisting of a strip of sheet metal perforated to pass over the screw cap down to the flange thereof, having the tail to be bent over the corner and soldered to the side of the can, and having a weakened line for severing from the can, substantially as specified.

2. The seal for can nozzles, consisting of a strip of sheet metal perforated to pass over the screw cap down to the flange thereof, having the tail to be bent over the corner and soldered to the side of the can, and having weakened lines for severing from the can, at each side of the nozzle, substantially as specified.

HENRY W. PHELPS.

Witnesses:

W. D. FOSTER,
C. W. GRAHAM.