

(No Model.)

S. N. LONG.
HERMETICALLY SEALED BUCKET.

No. 496,835.

Patented May 2, 1893.

Fig. I.

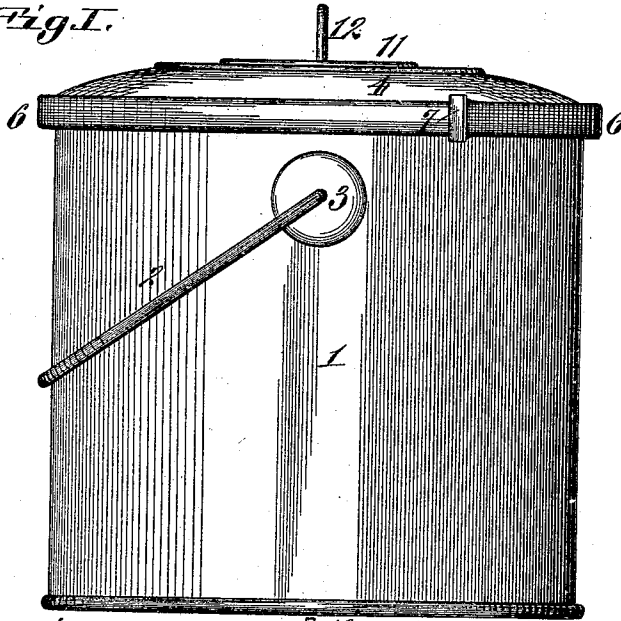


Fig. IV.

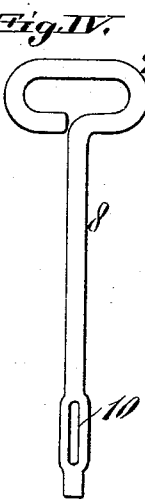


Fig. II.

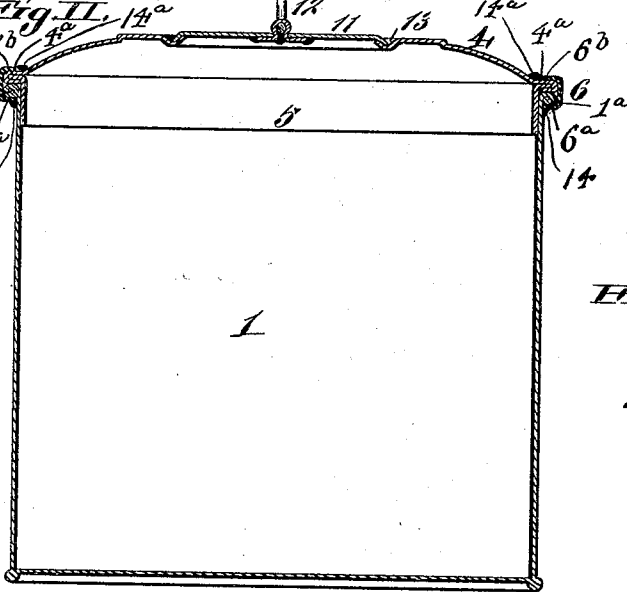
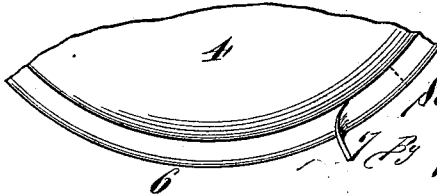


Fig. V.



Fig. III.



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UNITED STATES PATENT OFFICE.

SAMUEL N. LONG, OF ST. LOUIS, MISSOURI, ASSIGNOR TO THE S. N. LONG SYRUP COMPANY, OF SAME PLACE.

HERMETICALLY-SEALED BUCKET.

SPECIFICATION forming part of Letters Patent No. 496,835, dated May 2, 1893.

Application filed December 22, 1892. Serial No. 455,989. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL N. LONG, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Hermetically-Sealed Buckets, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a hermetically sealed bucket for sirups or canned goods, required to be kept perfectly air tight to prevent deterioration; and my invention consists in features of novelty hereinafter fully described and pointed out in the claim.

Figure I is a side elevation, illustrative of my invention. Fig. II is a vertical section, taken through the center of the bucket. Fig. III is a detail, top view of the bucket lid and the metal sealing strip, illustrating particularly the projecting, overlapping outer end of said strip. Fig. IV is a side elevation of the tool for removing the sealing strip from the bucket. Fig. V is a detail view, illustrating the manner in which the tool, shown in Fig. IV, removes the sealing strip; the tool in this figure being shown in transverse section across the slot in said tool.

In sirup, canned goods, &c., packages there is generally a total loss in the package after the original contents have been removed, and it is the object of my invention to provide a package that is not only excellent for containing the original goods, but is serviceable for further use after the original goods have been removed.

Referring to the drawings, 1 represents the bucket formed with a top bead 1^a and, provided with an ordinary bail 2, connected to the bucket by ears 3.

4 represents the lid of the bucket, which lid has a depending flange 5, that fits within the bucket and a horizontal flange 4^a that rests directly on the top bead.

To hermetically seal the lid to the bucket, I provide a strip 6 of very thin soft tin, or other suitable material, which I secure to the top bead of the bucket, and to the lid by soft solder, which solder will offer as little resistance

as possible, when it is desired to remove the strip 6. The strip 6 has a lower horizontal flange 6^a extending to the body of the bucket under the top bead, and an upper horizontal flange 6^b, extending to the body of the lid over the horizontal flange of the latter. The ends of the strip are made to overlap, and the outer end is bent outward, leaving a projecting point 7.

14 is the lower strip of solder securing the lower flange 6^a to the body of the bucket and 14^a is the upper strip of solder securing the upper flange 6^b to the body of the lid.

For the purpose of removing the strip 6, and giving access to the bucket, when it is desired to open the bucket, I provide a tool 8 with a handle 9 at one end, and a slot 10 at the other end. To remove the strip, the slot 10 is passed over the point 7 of the strip, and the tool being turned round and round, the strip is drawn from the bucket and coiled round the tool, as will appear most clearly in Fig. V. The solder used being very soft, and the strip being of thin tin, or other suitable material, the strip is easily removed, allowing the lid to be then withdrawn from the bucket.

In the manufacture and sealing of these buckets, the sealing strip is put on the buckets before the goods are packed, and to leave access for the insertion of the goods, I provide an opening in the center of the lid, covered by a cap 11 with a ring 12, the edge of which cap seats in a groove 13 of the lid, and said cap, when the bucket is filled, is sealed by filling the groove 13 with solder or other suitable sealing material.

By my invention a hermetic seal is provided for a bucket which is very effectual, and which at the same time can be easily removed when the contents of the bucket are to be used, after which the bucket is left in good condition for further use.

I claim as my invention—

The combination, with a bucket having a top bead, and a lid having a depending flange fitting within the bucket, and a horizontal flange resting directly on the top bead; of the removable closing strip, having a vertical

body-portion, a horizontal lower flange extending to the body of the bucket under the top bead, a horizontal upper flange extending to the body of the lid over the horizontal
5 flange of the latter, and an overlapping free end 7 for the application of the opening tool, a strip of solder sealing the lower flange to

the body of the bucket and a strip of solder sealing the upper flange to the body of the lid, substantially as described.

SAMUEL N. LONG.

In presence of—

E. S. KNIGHT,

ALBERT M. EBERSOLE.