No. 674,118. Patented May 14, 1901.

H. L. LEMON.

BABBITT METAL PACKAGE.

(Application filed July 29, 1897.)

(No Model.)

FIG. 1.

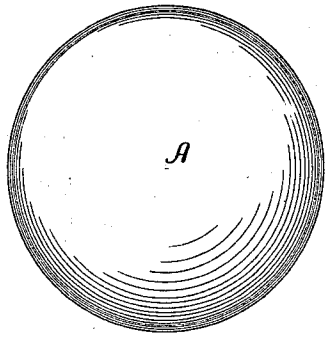
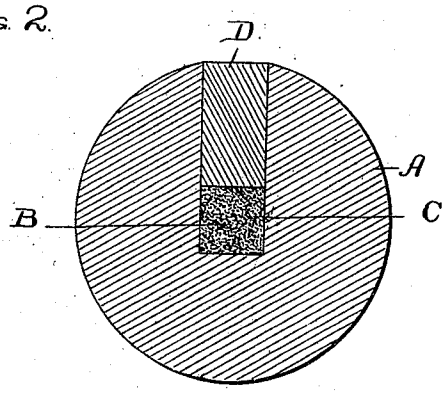


FIG. 2.



WITNESSES:

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HERBERT L. LEMON, OF CHICAGO, ILLINOIS.

BABBITT-METAL PACKAGE.

SPECIFICATION forming part of Letters Patent No. 674,118, dated May 14, 1901.

Application filed July 29, 1897. Serial No. 646,311. (No model.)

To all whom it may concern:

Be it known that I, HERBERT L. LEMON, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Babbitt-Metal Packages, of which the following is a specification.

It is now customary in putting up Babbitt metal for sale to mold it in ingots of a convenient size and at the time of molding to melt up and incorporate with it the flux which shall give it the desired flowing quality when it is again melted and cast into the journal-boxes in which it is to be finally used. This admixture of the flux does not affect the appearance of the metal so that the purchaser cannot be sure that the metal contains any flux, and, moreover, the melting of the flux for the purpose of mixing it with the metal results in injuring its quality and action, because it must in that case be again melted when the metal is finally cast, and the two meltings are apt to injure the flux, if they do not entirely deprive it of its power. By my invention I propose to unite the flux with the metal in such a manner as to enable the purchaser to know prior to using the metal and beyond a preadventure that the flux is present, and another object in view has been to avoid any melting of the flux prior to the final melting at the time the metal is applied to the journal-box in which it is to be used, so that the flux may then possess its full strength and virtue and be in condition to efficiently serve its purpose.

The nature of my invention will be fully understood from the description which I give below and from the accompanying drawings, wherein—

Figure 1 is an exterior view of an ingot containing my invention, and Fig. 2 is a central section thereof.

In said drawings, A represents the Babbitt metal, which I prefer to cast in spherical form, as that form presents no ends, sharp angles, or corners which are liable to be dented, broken off, or marred in handling or transportation. The ingot, however, may be shaped in any of the usual forms. At the time the ingot is molded into shape a recess C is formed therein in any suitable way, such recess extending from the outer surface toward the center of the ingot. In this recess a sufficient quantity of unmelted fluxing material B is placed and is then confined therein by pouring in or plugging with other Babbitt metal D sufficient to cover the flux and, if desired, to fill up the recess even with the outer surface of the ingot, so that the ingot then contains at its center a body of unmelted fluxing material sufficient when the ingot is melted to give a proper flow to all the metal embodied in it.

If a purchaser of the ingot is doubtful of the presence of the flux, he has only to bore into or break open the ingot to satisfy himself, or he will be able to detect it at the time of melting. The flux also will be more efficacious than it would be if melted and incorporated with the metal at the time the latter is molded into merchantable shape.

While I do not limit my invention to the employment of any particular kind of flux, I find suitable fluxes to be rosin and sal-ammoniac, mixtures of the two, or the said substances with other usual or suitable ingredients.

I claim—

1. The Babbitt-metal ingot provided with a recess C, a body of flux adapted to be melted and cast with the ingot and placed in said recess, and a plugging D of Babbitt closing said recess, and completing the inclosure of the flux, substantially as specified.

2. A Babbitt-metal ingot prepared and ready for being bodily melted, having an internal recess, a body of flux adapted to be melted and cast with the ingot, situated within said recess and having its outer surface below the exterior of the ingot, and means within the recess for covering and inclosing the flux, substantially as specified.

HERBERT L. LEMON.

Witnesses:
F. W. PERRY,
H. M. MUNDAY.