

H. L. LEMON.
METAL PACKAGE.
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1,275,449.

Patented Aug. 13, 1918.

Fig. 1.

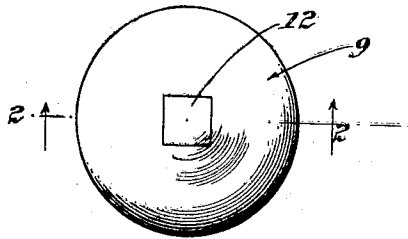


Fig. 2.

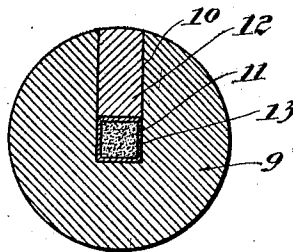


Fig. 3.



WITNESSES:

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METAL PACKAGE.

1,275,449.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HERBERT L. LEMON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Metal Packages, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawing, forming a part of this specification.

This invention relates to metal packages and more particularly to metal packages composed of Babbitt-metal, such as described in Patent No. 674,118, May 14, 1901.

In this type of metal packages the package is cored and a quantity of unmelted fluxing material is placed in the core and is confined therein by pouring in or plugging the aperture with other Babbitt-metal or other suitable material.

In the use of metal packages of this type it has been found that the fluxing material, covered and inclosed within the metal ingot as described in said patent, is subject at times to the absorption of moisture. This absorption has been found to take place when the metal has become cold or chilled and is thereafter heated. This absorption of the moisture by the fluxing material has resulted, when the metal is melted for final application to bearings or for other analogous uses, in blowing, which may possibly cause injury to the persons at work with the article, and in blow holes, segregations or the unequal flowing of the fluxing material, bubbles and other imperfections in the finished product, greatly reducing the usefulness and value of the metal package. The purpose of the fluxing material is to make the metal flow evenly and uniformly, but because of this absorption the purpose is defeated since the metal forms in lumps, some places being thicker than others, instead of flowing in an even and uniform consistency.

The object of the present invention is to overcome the defects above noted and to provide a metal package having a core of fluxing material which will be moisture-proof, and will therefore fill the requirements, and will result in an even and uniform consistency of metal when the package is melted.

In the drawings I have illustrated one embodiment of my invention, and in these drawings—

Figure 1 shows a plan view of the metal package;

Fig. 2 is a cross sectional view on the line 2—2 of Fig. 1, and

Fig. 3 is a perspective view showing the body of fluxing material.

As described in my prior patent, the metal package 9 which may be formed of Babbitt-metal or some other suitable metal, to be used in anti-friction bearings, is cored, as shown at 10, and a body of fluxing material 11 is placed within the core and is inclosed therein by plugging the recess with other Babbitt-metal, as indicated at 12, or with metal of the kind employed in the particular package being made, or other suitable material.

In order to prevent the absorption of moisture by the body of fluxing material, this body 11 is covered or coated with a thin layer 13 of moisture-proof fusible material, such, for instance, as paraffin or gelatin. These two substances are mentioned merely as illustrative of material suitable to this purpose, but any material which is fusible and moisture-proof, may be employed. By coating the fluxing material with such a substance it has been found that the absorption of moisture by that material is avoided, thereby overcoming the defects of the prior package.

While I have in the above specification described one embodiment which my invention may assume, it should be understood that modifications may be employed without departing from the spirit and scope of the invention as expressed by the following claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A metal ingot having a core consisting of a body of fluxing material, said body having a moisture-proof covering.

2. A Babbitt-metal ingot having a core consisting of a body of fluxing material, said body having a fusible moisture-proof covering.

3. A metal ingot having a core consisting

of a body of fluxing material, said body having a moisture-proof covering and being entirely surrounded by the metal.

4. A metal ingot having a core consisting
5 of a body of fluxing material, said body having a fusible moisture-proof covering and being entirely surrounded by metal.

5. A metal ingot having a recess, a body
10 of fluxing material having a fusible moisture-proof covering and adapted to be molded and cast with the ingot, placed within the recess, and a plug closing said recess and completing the inclosure of said body of fluxing material.

6. A metal ingot having a recess, a body 15 of fluxing material having a fusible moisture-proof covering, placed within the recess, and a metal plug of the same material as the ingot closing said recess and completing the inclosure of said body of fluxing 20 material.

In witness whereof, I have hereunto subscribed my name.

HERBERT L. LEMON.

Witnesses:

WILLIAM CHITTY,
EUGENE C. BINKLEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."