

No. 823,030.

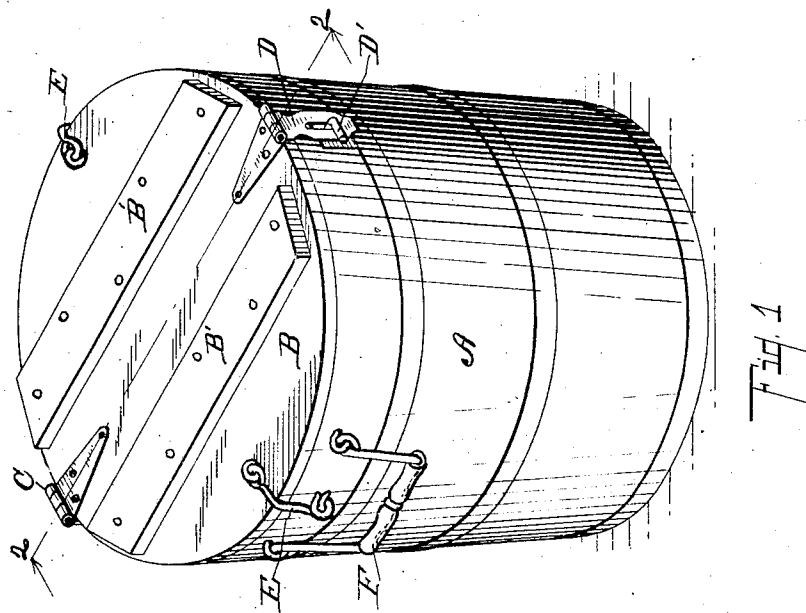
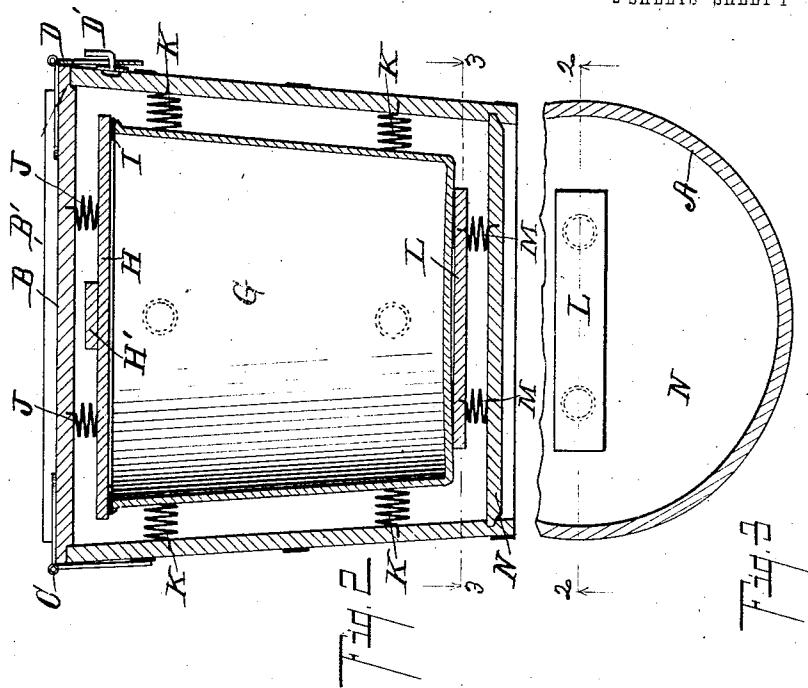
PATENTED JUNE 12, 1906.

S. M. BROWN.

PACKAGE FOR BUTTER.

APPLICATION FILED MAR. 18, 1901. RENEWED JAN. 25, 1906.

2 SHEETS—SHEET 1



Witnesses.

A. E. Houghton

Otis A. Earl

Inventor,

Samuel M. Brown

By Fred L. Chappelee
Att'y.

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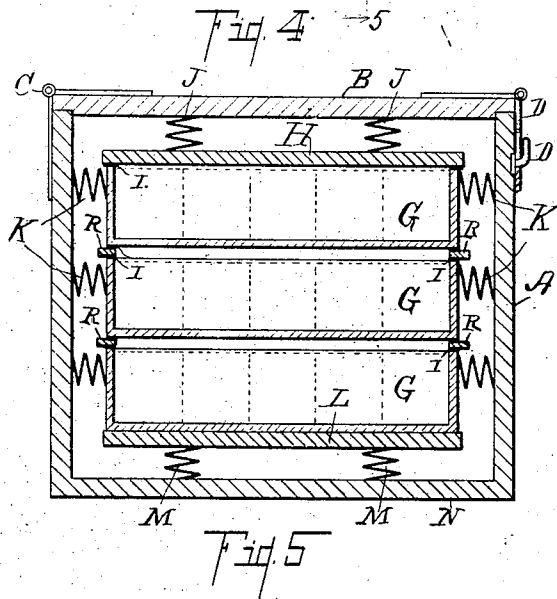
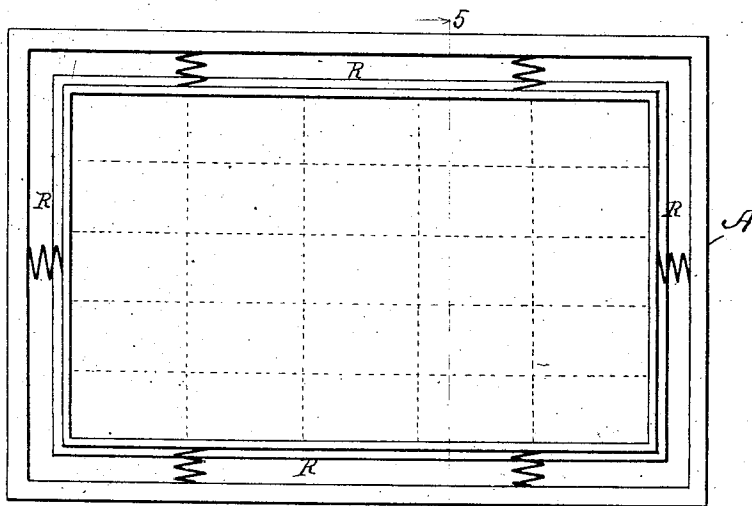
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2 SHEETS—SHEET 2



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UNITED STATES PATENT OFFICE.

SAMUEL M. BROWN, OF RICHLAND, MICHIGAN.

PACKAGE FOR BUTTER.

No. 823,030.

Specification of Letters Patent.

Patented June 12, 1908.

Application filed March 18, 1901. Renewed January 25, 1906. Serial No. 287,776.

To all whom it may concern:

Be it known that I, SAMUEL M. BROWN, a citizen of the United States, residing at the village of Richland, in the county of Kalamazoo and State of Michigan, have invented certain new and useful Improvements in Packages for Butter, of which the following is a specification.

This invention relates to improvements in packages or tubs for preserving butter and for similar purposes, it being very well adapted for the preservation of any articles which it is desired to preserve and protect from the variations of temperature of the outside atmosphere.

The objects of this invention are to provide a receptacle of glass, porcelain, or other suitable material which is supported within a tub in such a manner that there is an air space entirely surrounding the same with a minimum amount of contact with the exterior of the tub, so that the air shall serve as completely as an insulator or protector as it is possible to do in ordinary circumstances. I accomplish these objects of my invention by the devices and means described in this specification.

The invention is definitely pointed out and described in the claim.

The structure is fully illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of my improved butter tub or package. Fig. 2 is a vertical longitudinal sectional view taken on line corresponding to lines 2 2 of Figs. 1 and 3. Fig. 3 is a detail sectional view taken on line corresponding to line 3 3 of Fig. 2, the bottom support being shown in full lines. Fig. 4 is a plan view of a rectangular package made according to my invention, the covers being removed. Fig. 5 is a transverse detail sectional elevation of the modified structure, taken on a line corresponding to line 5 5 of Fig. 4.

In the drawings similar letters of reference refer to similar parts throughout the several views.

Referring to the lettered parts of the drawings, A is a tub, pail, or other exterior package which is provided with a suitable bottom N, which fits air-tight within the same and has a tight-fitting cover B, which is hinged at C and provided with a hasp D and a suitable catch D' on the side of the tub on the opposite side. Where the tub or package is of

large size, I also provide on the top of the same hooks E at intervals between the hasp and the hinge. Also when the tub or package is large it is desirable to brace the top by cross strips or cleats B' B'. Handles F are provided at the sides where the package is large, and it is needless to remark that on smaller sizes a bail can be provided or the handle omitted, for that matter, entirely.

Within the tub or casing I provide a glass jar G, although such jar might be made of porcelain. This is provided with a suitable cover H, having a cross-cleat H' in the large sizes, with a gasket between it and the top of the jar G. In the bottom of the tub or package I place a piece L, supported on helically-coiled springs M M, one end of which is secured to the bottom and the other end supporting the cross-piece L. In the smaller sizes the cross-piece L can be omitted and a single helically-coiled spring placed at the center.

Around the outside of the jar or inner case, and secured to the sides of the tub or package A are other helically-coiled springs K, located at intervals entirely around the jar, so that it is supported by springs at substantially an equal distance from the walls of the tub or package all around.

The cover H for the jar or inner package G I usually make of wood, though it also might be made of glass or other suitable material. On the cover B of the tub or package I place other helically-coiled springs J J, which are adapted to rest against the cover H', which is held securely in place by spring-pressure. Between the cover H and the jar G, I place a gasket I of rubber or other material suited to the purpose.

It will be observed from this arrangement of the parts that the jar or inner package is supported entirely separate from the outer package by coiled springs. It of course presents a very small conducting-surface to conduct heat to or from the inner package.

The number of springs can be increased or diminished according to the size of the package, it only being necessary to distribute them in such a manner that they go entirely around the same.

The springs J retain the cover in place and also retain the package in position. The package is thus supported so that it is relieved from all jolts, which would be likely to break the same. It is also supported so that it is practically entirely surrounded by air.

In Figs. 4 and 5 is illustrated a rectangular

or cubical package having a series of inner crystal packages which are separated from each other by a suitable frame R and are designed to hold butter in roll form or in "prints," as it is called. The frames between the sections permit the inner casings to be supported as though they were a single case, as in the structures appearing in Figs. 1 and 2.

From this statement it is clear that the structure can be somewhat modified without departing from my invention.

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

15 In a package of the class described the combination of the outer tub A provided with helically-coiled springs secured on all sides thereof and to the bottom projecting inwardly, an interior jar or receptacle G resting on the

bottom springs and contacting with the side springs, a cover H for the interior receptacle, a gasket I, for the said cover; a cover B for the outer tub secured thereto by suitable means, helically-coiled springs J on the outer cover B, to rest against the cover H on the jar within, whereby the inner jar or receptacle is supported by the said springs in such manner that it can freely move in any direction by the mere compression or expansion of the springs.

In witness whereof I have hereunto set my hand and seal in the presence of two witnesses.

SAMUEL M. BROWN. [L. s.]

Witnesses:

ANNA A. SANDY,
OTIS A. EARL.