

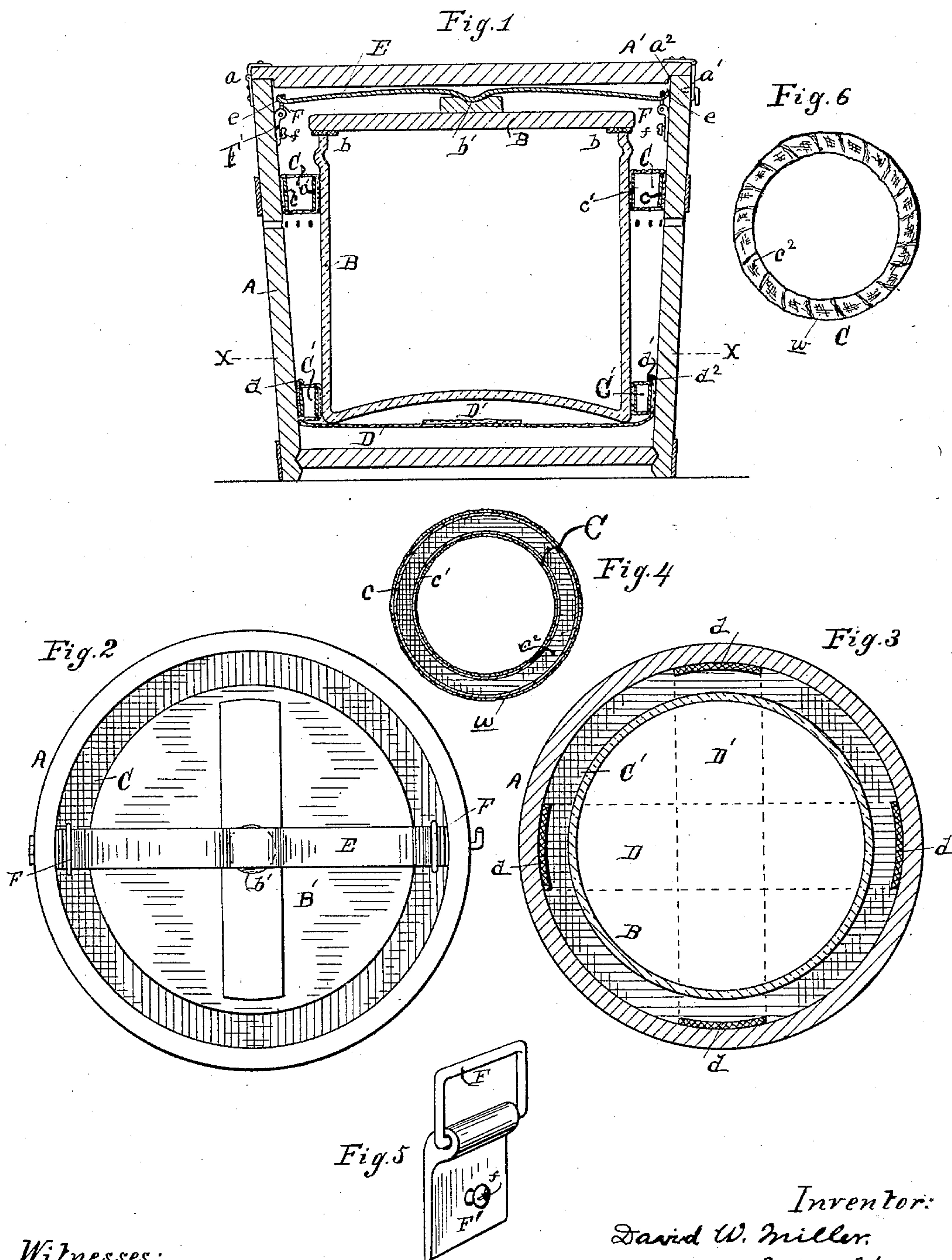
(No Model.)

D. W. MILLER.

BUTTER PACKAGE.

No. 390,388.

Patented Oct. 2, 1888.



Witnesses:
George H. Higgs
W. J. Smith

Inventor:
David W. Miller.
By Maxwell Wright
Attorney

UNITED STATES PATENT OFFICE.

DAVID W. MILLER, OF DETROIT, MICHIGAN.

BUTTER-PACKAGE.

SPECIFICATION forming part of Letters Patent No. 390,338, dated October 2, 1888.

Application filed April 18, 1888. Serial No. 271,025. (No model.)

To all whom it may concern:

Be it known that I, DAVID W. MILLER, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Butter-Packages; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to certain new and useful improvements in butter-packages, the design being to provide a jar which may be made air-tight for containing the butter, said jar so contained and supported in an inclosing-case as to be relieved of all liability of breakage in the ordinary handling of the package, while at the same time the jar is readily removable.

I carry out my invention as more fully illustrated in the drawings and more particularly hereinafter specified and set forth in the claims.

In the drawings, Figure 1 is a vertical section; Fig. 2, a plan view with the cover removed; Fig. 3, a cross-section along the line *x x* of Fig. 1. Fig. 4 is a sectional view of one of the combined hoops; Fig. 5, a separate view of the loop; Fig. 6, a plan view of one of the hoops.

A represents the inclosing-case, constructed in any suitable manner and provided with a cover, A', secured thereupon in any desired way, as by a hinge, *a*, and a hasp, *a'*.

B is the butter-jar, of any proper construction, made preferably to taper toward the base, and the case also, as this is a matter of convenience. The jar is provided with a removable cover, B', preferably having an elastic gasket, *b*, to fit upon the edge of the jar. To support the jar and hold it away from contact with the case, and moreover to cushion it carefully, securely, and economically to prevent breakage, is the important feature of my present invention, in connection with other features herein embraced. To this end I provide a suitable number of hoops, C C', &c., two being ordinarily sufficient, located between the jar and the case, as—for instance, toward the top and bottom of the jar. These hoops I construct each of two concentric hoops, *c c'*, which

may be made of ordinary band metal, one smaller in diameter than the other; or the hoops may be made of any other suitable material—as, for instance, the outer hoop may be made of wood or metal and the interior hoop of leather, rubber, &c. I do not intend to limit myself to any specific material, the object being to provide in connection with the concentric-hoop sections a yielding face, *w*, to relieve the jar. These hoops *c c'* are laid the one within the other, so that their circles are parallel, and in that condition they are wound with suitable fabric, *c''*, or inclosed therein. It will be convenient to wind the hoops spirally with a ribbon webbing. As thus wound the fabric will possess sufficient elasticity to render the combined hoop elastic, so that it will readily yield in a suitable degree to form an elastic and very desirable packing for the jar. The combined hoop will thus have the nature of a spring, and will readily and efficiently protect the jar, while at the same time it may be supported therein.

I do not confine myself to any special manner of supporting the combined hoops C C' within the case. The taper of the case may of itself be sufficient; or, if preferred, any other means of support may be employed.

It is desirable, in order to more effectually support the jar and prevent its forming contact with the bottom of the case, and also to interpose a yielding support for the jar, to provide supporting-bands D D', which may consist simply of ribbon webbing held in place in any proper manner to support the jar from beneath. For instance, these supporting-bands may be provided with loops *d* at their extremities, in which may be located cords or rods *d''*. So constructed the ends of the bands are located between the case and the bottom hoop, the loops projecting above the hoop, preventing the disengagement of the bands from their positions. This is a simple and convenient manner of construction; but I do not confine myself thereto.

The cover B' of the jar is engaged in place to form an air-tight jar in any proper manner. Thus it may be constructed with a recess, *b'*, to receive a bent projection of a cross-bar, E. To hold the cross-bar securely in place, and yet to allow suitable movement of the cover B', I

prefer to engage its extremities with loops F, having a movable engagement with a strap, F', movably engaged upon the inner surface of the case. The strap and loop have a hinged connection to permit the yielding of the loop in the direction of the cross-bar, while the strap, movably engaged upon the case as upon a rivet, f, permits of movement laterally. Movement in any direction is thus practically secured at the union of the loops and the cross-bar. The bar may be constructed with turned ends e, to engage the loops readily and as readily to be disengaged therefrom when access to the jar is desired. This forms a very convenient and efficient fastening for the jar-cover. The cover may thus be so kept in place as to form an air-tight butter-package, which will never be liable to leak brine or anything of that kind. Moreover, no odors from the cellar or elsewhere can gain admittance to the jar, so that the keeping of the butter in a perfectly wholesome and sweet shape is insured. The outer cover to the case I prefer to rabbet about the edge, as shown at a².

While I have described my invention as a butter-package, yet I would have it understood that I contemplate its use for any analogous use to which the package may be adapted. The glass jar will obviously preserve the contents, of whatever nature, from any taint from the wooden case as well as from odors from without. The elastic hoops and supports provide against all danger of breakage in transportation and other handling. This mode of supporting and packing the jar also takes away from the jar the vibration of the wood in handling, whereby the jar might be liable to break.

The cross-bar E, it will be understood, is in the nature of a spring. Should the package receive a blow on the top, the spring would afford elasticity and prevent breakage.

What I claim is—

1. The combination, with the jar and inclosing-case, of hoops located between the jar and case, said hoops each constructed of concen-

tric hoops covered with a fabric, substantially as described.

2. The combination, with the jar and inclosing-case, of hoops located between the jar and case, said hoops constructed of hoops laid one within the other and running substantially parallel with each other, and covered with a fabric wound spirally around said hoops, forming thus a combined elastic hoop, substantially as described.

3. The combination, with the jar and inclosing-case, of a cover for said jar, a cross-bar to fasten said cover in place, said bar removably engaged with movable loops F, and straps F', movably engaged upon the case, substantially as described.

4. The combination, with the jar and inclosing-case, of hoops located between the jar and case, and supporting-straps underneath the jar, said straps having their extremities held in place between one of the hoops and the case, substantially as described.

5. The herein-described hoop, consisting of hoops located one within another and secured together, said hoops being of different dimensions and running substantially parallel with each other, the said hoop having a yielding face, substantially as set forth.

6. The elastic hoop herein described, consisting of hoops located one within another, said hoops of different diameters and running substantially parallel with each other, and bound together by an inclosing fabric, substantially as set forth.

7. The combination, with the jar and inclosing-case, of a cover for said jar and a spring cross-bar to hold said cover in place and afford an elastic bearing thereupon, said bar removably engaged with movable fastenings engaged upon the case, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

DAVID W. MILLER.

Witnesses:

N. S. WRIGHT,
GEORGE H. HIGGS.