

I. A. MILLIRON.
 PACKAGE FOR USE IN SENDING FRAGILE ARTICLES.
 APPLICATION FILED MAY 26, 1913.

1,107,339.

Patented Aug. 18, 1914.

Fig. 1.

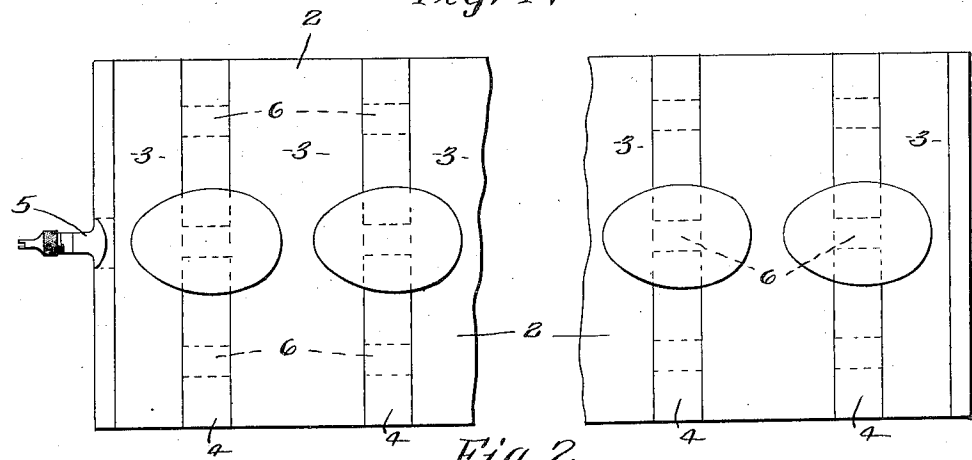


Fig. 2.

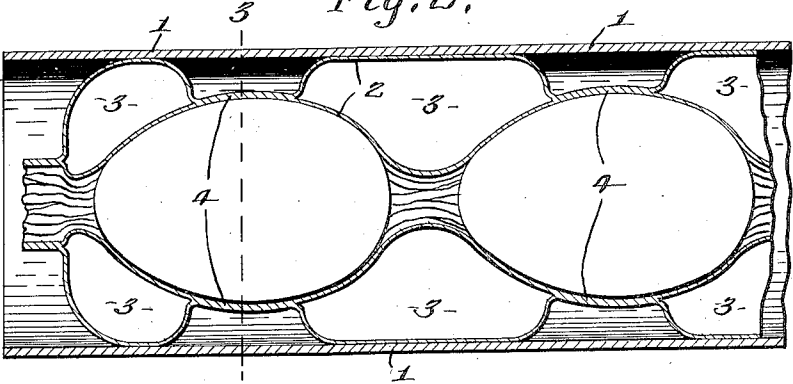


Fig. 3.

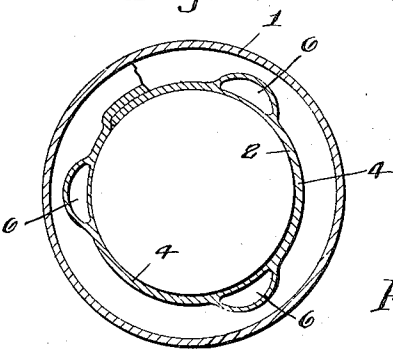


Fig. 5.

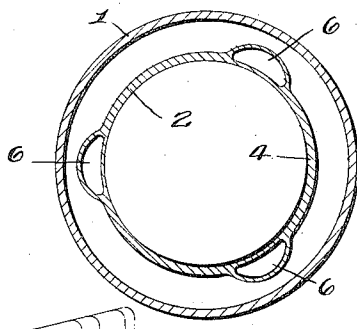
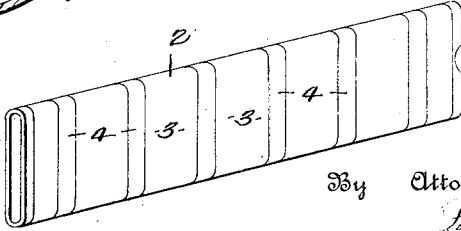


Fig. 4.



Witnesses:
Chas. Young
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UNITED STATES PATENT OFFICE.

IRA A. MILLIRON, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO
HAMMOCK EGG CARRIER COMPANY, A CORPORATION OF WEST VIRGINIA.

PACKAGE FOR USE IN SENDING FRAGILE ARTICLES.

1,107,339.

Specification of Letters Patent.

Patented Aug. 18, 1914.

Application filed May 26, 1913. Serial No. 769,858.

To all whom it may concern:

Be it known that I, IRA A. MILLIRON, of New York city, in the county of New York and State of New York, have invented a certain new and useful Package for Use in Sending Fragile Articles, of which the following is a specification.

The object of my invention is to provide a package for use in sending small lots of eggs through the mails, or by similar carriers, where special care cannot be insured in handling the package and the latter must be of minimum weight in order to avoid excessive transportation charges.

The invention includes the parts, and combination of parts, to be hereinafter described, and particularly pointed out in the claims.

The invention is illustrated in the accompanying drawings in which:—

Figure 1 is a plan view of one form of wrapping element with the intermediate part broken away. Fig. 2 is a longitudinal sectional view through a section of the complete package; Fig. 3 is a sectional view on line 3—3, Fig. 2. Fig. 4 is a perspective view of a modified form of wrapping element; and Fig. 5 is a section of the complete package with the wrapper inflated.

The invention includes generally an outer container and an inflatable and deflatable wrapper for holding the articles to be shipped firmly and yet yieldingly within the container, and for cushioning the shocks to which the latter may be subjected.

In the form of the invention, disclosed in Fig. 2, the container 1, is shown as an ordinary cardboard mailing tube, but this element may be of other forms of constructions.

It is necessary that the container shall provide a chamber for receiving the wrapper and its contents, and that it shall be sufficiently light so as not to materially increase the weight of the package and that it shall be sufficiently rigid, or stiff, to limit the expansion of the wrapper, and to not readily collapse under the strains or blows which it might ordinarily receive in the handling thereof by the usual transportation agencies.

The common cardboard mailing tube subserves the purpose of such container in a highly efficient and satisfactory degree.

The wrapper 2 is made of some suitable flexible, air-tight material, as rubber and in the form shown in Figs. 1 and 2, is initially

flat and of oblong form and is provided with a plurality of transversely extending inflatable compartments 3 connected by web portions 4, which are separated from one another a distance greater than the length of an egg.

Any suitable means may be employed for inflating the wrapper. As shown herein a valve 5, substantially like that commonly associated with a bicycle tire is connected to one of the end compartments 3 and small ducts, or passageways, 6 are provided through the portions 4 for placing the compartments 3 in intercommunication. In making up the package, the wrapper in deflated form is folded about the eggs which are placed in the spaces 4 and the eggs so wrapped are then inserted in the container 1. Thereafter air is forced through the valve 5 into the compartments 3 which expand and completely fill the spaces between the eggs and the walls of the container, thus firmly and yieldably retaining the eggs against movement and efficiently cushioning the same from such shocks as may be received by the container in the handling thereof. The ends of the container are preferably closed after the wrapper has been inflated and the package is then ready for shipment. After the package reaches its destination, access is readily had to the contents by deflating the wrapper. Thereafter the wrapper may be confined in a small compass and returned to the shipper at slight cost.

The package is particularly designed for facilitating the shipment by parcel post of small lots of eggs from farmers, or poultry dealers, to their customers, but as will be appreciated, it may be used with advantage for other purposes.

Instead of making the wrapper of the shape illustrated in Fig. 1, it may be made of tubular form, as illustrated in Figs. 4 and 5.

What I claim is:—

1. A package for the shipment of eggs comprising a container and a wrapper inclosed thereby and including a plurality of spaced apart inflatable compartments.

2. A package for the shipment of eggs comprising a substantially rigid container and a wrapper removably held therein and comprising a plurality of spaced apart transversely extending inflatable compartments.

3. A package for the shipment of eggs comprising a tubular container and a wrapper removable therefrom and insertible therein through one end of the same said wrapper comprising a plurality of spaced apart double walled portions designed to be distended and other single walled portions arranged at one side of and extending parallel with the double walled portion.
4. In a package for the shipment of eggs, a substantially rigid container and a wrapper removably retained therein, said wrapper initially being substantially flat and comprising a plurality of spaced apart inflatable compartments and end and interposed substantially solid portions and means for inflating said compartments whereby the outer walls thereof will be pressed against the inner wall of the container and the inner walls of said compartment will cooperate

with the eggs for preventing the movement thereof axially of the container.

5. A package for the shipment of eggs comprising a container and a wrapper held therein and removable therefrom, said wrapper comprising a plurality of spaced apart inflatable compartments, and substantially solid portions interposed between the compartments, and means for inflating the compartments, substantially as and for the purpose described.

In testimony whereof, I have hereunto signed my name in the presence of two attesting witnesses, at New York city, in the county of New York, and State of New York, this 21st day of May, 1913.

IRA A. MILLIRON.

Witnesses:

S. DAVIS,
F. B. PICKARD.