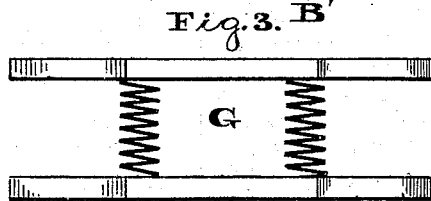
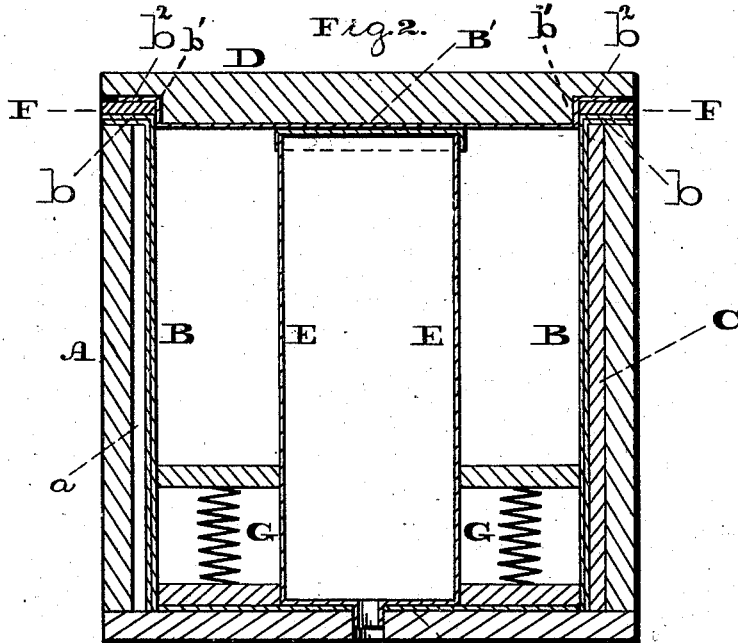
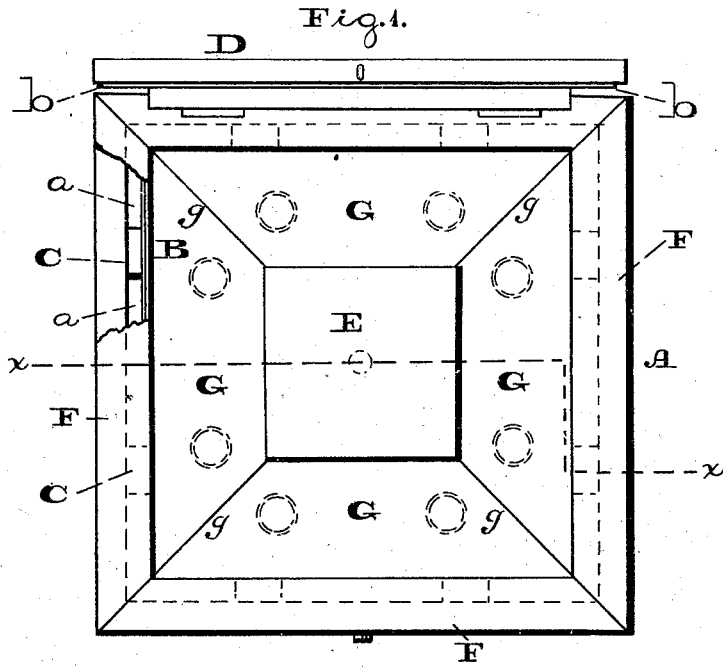


R. B. LAMB.

Refrigerating Transportation Cases.

No. 198,124.

Patented Dec. 11, 1877.



Witnesses:  
*Levin F. Brown,*  
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# UNITED STATES PATENT OFFICE.

RESTORE B. LAMB, OF CAMDEN, NEW JERSEY.

## IMPROVEMENT IN REFRIGERATING TRANSPORTATION-CASES.

Specification forming part of Letters Patent No. **198,124**, dated December 11, 1877; application filed October 13, 1877.

*To all whom it may concern:*

Be it known that I, RESTORE B. LAMB, of the city and county of Camden, and State of New Jersey, have invented a new and useful Improvement in Refrigerators for Transporting Fruit, Vegetables, &c., which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a top view, partly broken away, of the refrigerator open, embodying my invention. Fig. 2 is a vertical section thereof in line *x x*, Fig. 1. Fig. 3 is a side view of one of the spring-platforms.

Similar letters of reference indicate corresponding parts in the several figures.

My invention relates to a refrigerator adapted for the transportation of fruits, berries, vegetables, &c., the same having a lining of paper, which prevents the escape of the cold air and entrance of heat, and being also provided with a series of elastic platforms arranged within the main compartment around the ice-box, and adapted for the protective support of the more delicate fruits, substantially as hereinafter set forth and claimed.

Referring to the drawings, A represents the case of the refrigerator, the sides of whose inner face are lined with paper B, between which and the walls of the case there are secured, at intervals, cleats C, which leave air-spaces *a* between the case and lining, and support the lining. The cover D and bottom of the case are also lined with paper, as at B'. Within the case there is supported an upright ice or refrigerating chamber, E, having a lid, against which the cover D may bear, and a bottom opening for escape of the water of the melted ice.

The fruit, berries, vegetables, or other like perishable articles, are placed within the case A surrounding the chamber E, the latter being properly filled with ice or other refrigerating substance, and the cover D is then closed and secured, and in this condition the case and its contents may be readily transported.

It will be seen that the lining B is a good non-conductor of heat, and it causes the retention of the cold air within the case. It is easily worked, as it were, and applied. It is light and cheap, and the cold-air space is dry,

and it is easily cleansed, whereby a cheap, light, convenient, and reliable refrigerator for transportation or shipping is produced.

The upper ends of the side linings are bent, as at *b*, over the walls of the case, and clamped thereagainst by a top frame, F, which is secured to said walls, with the bent ends of the lining interposed. The lining of the cover is continued laterally, as at *b'*, from the lining *b* at the vertical joint between the central depending part of the cover and inner walls of the case, and when the cover is closed, said extension *b'* rests on the top F, thus closing the horizontal joint of the cover and walls, and as the cover will close on the case with a "snap," the several joints will be tight and secure.

For the shipment of delicate articles, such as early strawberries, I employ elastic platforms G, consisting of bearing-pieces supported on springs placed within the case on the bottom thereof. These platforms, as shown in the accompanying drawing, consist of upper and lower strips, with intermediate springs, the width of the strips being equal to the width of the space between the ice-box E and the inner walls of the refrigerating-compartment. As shown in Fig. 1, the upper strips of this series of spring-platforms surrounding the ice-chest constitute a continuous bottom, the dividing-lines of the same being indicated at *g*, in which the said lines are represented as radiating from the four corners of the ice-box. By this arrangement a better protective support will be afforded for the fruit than if the same were formed in an unbroken surrounding strip. The paper lining B will also be protected from injury from the boxes, which, without the spring-platforms, would frequently occur.

The boxes of berries or fruit will be placed on the platforms and packed in tiers, or otherwise disposed in the case to fill the cold-air space, and the yielding nature of the platforms prevents shaking, jarring, &c., to which the case will be subjected in transit, materially disturbing the contents of the boxes.

The platforms are made detachable from the case, so as to be removed when not required, and for purposes of cleansing and repairs.

Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the refrigerator-case A, and a central ice-chest, E, of the series of spring-platforms G, arranged around the chest so as to constitute a continuous spring bottom between the same and the lining B, the said independent platforms thus constituting a continuous bottom, being adapted to serve as protective supports for delicate fruits during transportation, as herein shown and described.

2. In combination with case A, provided with a paper lining, B, secured at *b* by strips F, the cover D, with paper lining extending vertically upward at *b*<sup>1</sup>, and horizontally outward at *b*<sup>2</sup> upon the rabbeted under edge of the said cover, which forms a close joint with the parts F and *b*, all as herein shown and specified.

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Witnesses:

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