

G. A. Lloyd,

Fruit Box.

No. 107,070.

Patented Sept. 6. 1870.

Fig. 1

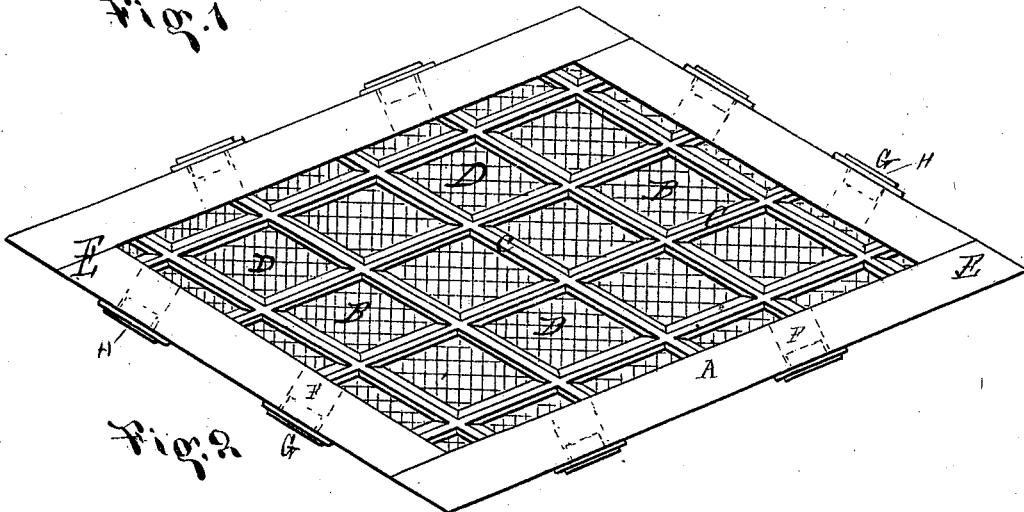


Fig. 2

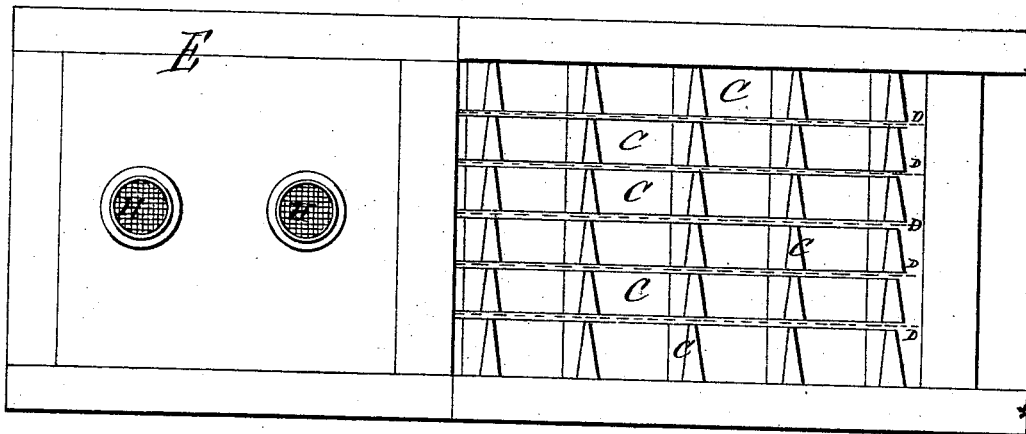
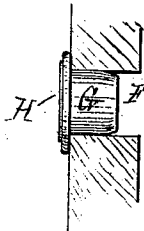


Fig. 3



Witnesses:

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Inventor:

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United States Patent Office.

GEORGE A. LLOYD, OF SAN FRANCISCO, CALIFORNIA.

Letters Patent No. 107,070, dated September 6, 1870.

IMPROVEMENT IN FRUIT-CARRYING BOXES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, GEORGE A. LLOYD, of the city and county of San Francisco, State of California, have invented certain new and useful Improvements in Fruit-Boxes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing and to the letters marked thereon.

This invention consists mainly in the employment of rubber for forming the cells of my box, as will be fully described hereinafter.

Referring to the drawing—

Figure 1 is a plan of a fruit-box embodying my invention, with the cover removed.

Figure 2 is a side elevation of same with the side A removed.

Figure 3 is a sectional view through the center of a ventilating-hole, showing the manner of securing the screens.

Like letters refer to like parts in each of the figures.

B are the diamond-shaped cells, the sides of which are formed by the India-rubber netting or grating C. Each grating consists of a single piece of India rubber.

D are the diaphragms separating the gratings C from each other.

The diaphragms D are made of wire-cloth, for the purpose of securing a circulation of air around the fruit, and are of a rhomboidal form, similar to the horizontal cross-section of the cells B, and of the size and shape of the inside of the box E, shown best in dotted lines in fig. 1.

The sides of the box are provided with ventilating-holes, into which holes are forced the tubes G, where they are retained by friction.

The outer ends of the tubes G are provided with a

wire-cloth screen H, for the purpose hereinbefore set forth.

It will be observed that the part of my invention that consists of the employment of India rubber for the sides of the cells, and of wire-cloth for the diaphragms, and the wire-cloth or perforated screens for the ventilating-holes, may be applied to fruit-boxes and cells of any form. Also, that the part of my invention that consists in the employment of the hereinbefore-described form of box-diaphragm and cell, may be used without regard to the material of which the cells and diaphragms are composed.

If desired, the box may be firmly secured and strengthened by hoop-iron binding or angle-plates at the corners.

By the employment of India rubber in constructing the gratings, an elastic seat or bed and surrounding for the fruit is obtained, affording great security against bruising or breaking fruit or eggs that may be packed in the cells, and, by making the gratings in one piece, great simplicity and durability are secured.

Each box may be constructed to hold a certain number of eggs, thereby saving the trouble of counting at the market.

Having thus described my invention,

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

1. The India-rubber gratings C, substantially as and for the purpose set forth.

2. The fruit-box described, consisting of the sides, cells, gratings, and diaphragm, when combined and arranged as described, for the purpose set forth.

In testimony whereof I have hereunto set my hand and seal.

Witnesses:

C. W. M. SMITH,
DAVID I. SMITH.

G. A. LLOYD. [L. s.]