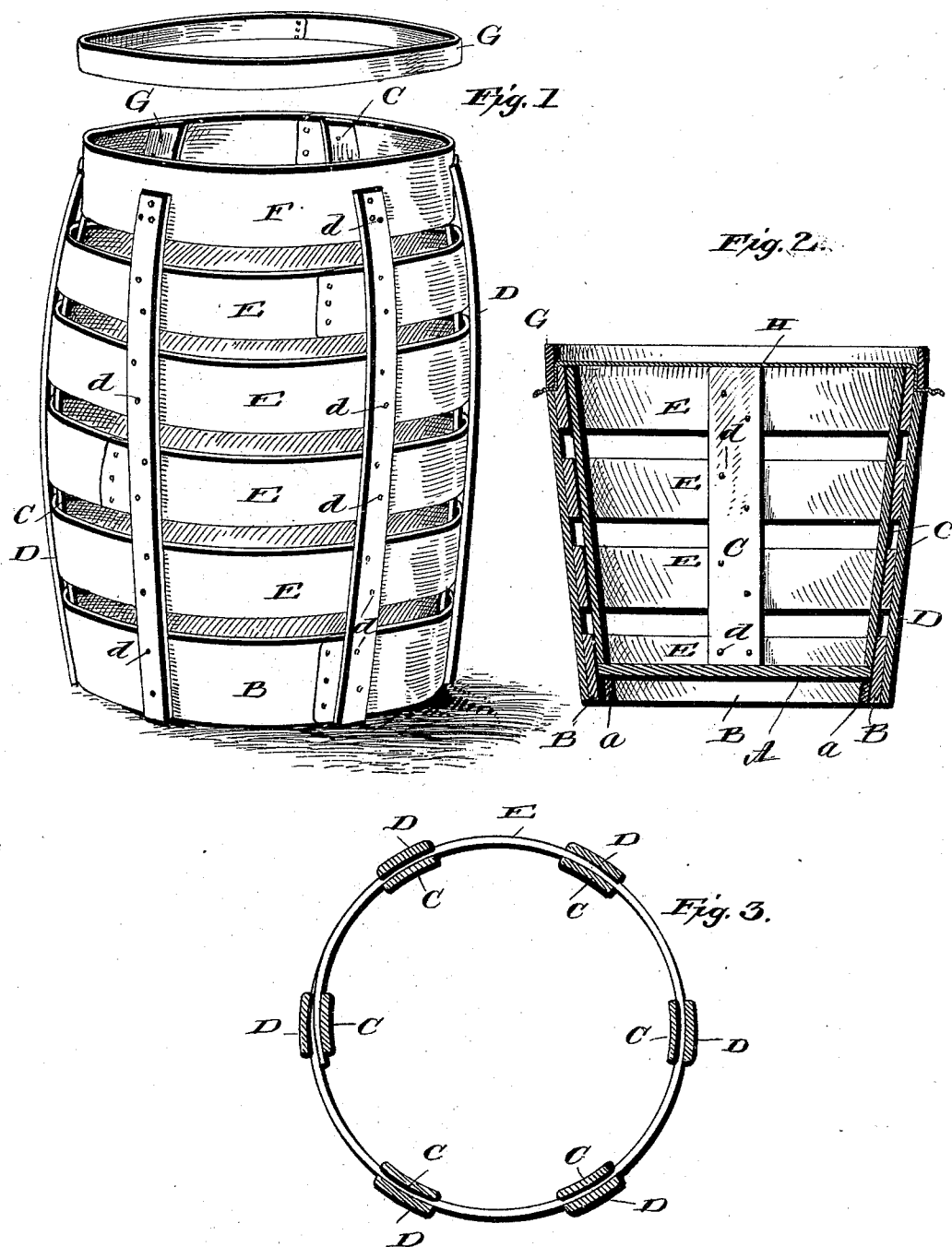


(No Model.)

H. ALLEN.
CRATE.

No. 519,222.

Patented May 1, 1894.



Witnesses:
L. C. Mills,
E. H. Bond

Inventor:
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UNITED STATES PATENT OFFICE.

HARVEY ALLEN, OF NORFOLK, VIRGINIA, ASSIGNOR OF ONE-HALF TO
JOHN J. SNYDER AND JOHN C. SNYDER, OF SAME PLACE.

CRATE.

SPECIFICATION forming part of Letters Patent No. 519,222, dated May 1, 1894.

Application filed February 20, 1894. Serial No. 500,900. (No model.)

To all whom it may concern:

Be it known that I, HARVEY ALLEN, a citizen of the United States, residing at Norfolk, in the county of Norfolk, State of Virginia, have invented certain new and useful Improvements in Crates, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in crates, baskets and the like designed for the shipment of fruits, vegetables and other articles where it is desired to provide a certain amount of ventilation and yet have the receptacle secure against depredation.

It has for its objects among others to provide a simple and cheap crate or basket which shall be durable and strong and the manufacture of which shall consume but little material and much of that being what might otherwise be waste. The receptacle, in whatever form it may be made, embodies a bottom, a plurality of hoops arranged at any desired distance apart, and vertical stays also arranged at any required distance apart, according to the character of the receptacle and the use to which it is to be put, the stays being arranged in pairs upon the inside and outside of the receptacle, those upon the inside extending to the top edge of the upper hoop while those upon the outside terminate at a distance from the said top edge to permit of the application of a removable hoop designed to hold a cloth over the contents of the receptacle; the top hoop is preferably arranged in a vertical plane so as to allow of the removable cloth-binding hoop being more easily applied, than were the said hoop inclined the same as the other hoops of the receptacle.

Other objects and advantages of the invention will hereinafter appear and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the let- of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a perspective view of a barrel constructed in accordance with my invention.
Figure 2 is a substantially central vertical sec-

tion through a basket embodying the invention. Fig. 3 is a cross section through Fig. 1.

Like letters of reference indicate like parts throughout the several views.

In carrying out my invention I take a bottom A of one or more pieces, it matters not, and to this bottom I secure the bottom hoop B in any suitable manner. To the inner face of this bottom hoop I secure a band or hoop α as shown in Fig. 2 upon which the bottom A rests as is shown in said Fig. 2.

C are the inner vertical stays which extend from the bottom A to the top of the barrel or basket as shown in Figs. 1 and 2.

D are the outer vertical stays extending from the lower edge of the bottom hoop B to within a short distance of the upper edge of the barrel or basket as seen in Figs. 1 and 2. The inner and outer stays are preferably arranged opposite to each other as seen in Fig. 3 but they may be otherwise arranged if found more expedient.

E are the hoops which may be arranged any suitable distance apart according to the amount of vent required in the receptacle, and these hoops are placed between the inner and outer stays and there held in any suitable manner, as by nails or other devices or means d which pass preferably through the inner and outer stays and the hoops, although they may be driven from both the inside and the outside of the receptacle into the hoops.

The top hoop F in the barrel shown in Fig. 1 is arranged with its outer surface in a vertical plane as is clearly shown so as to better receive the removable hoop G which is designed to be slipped over the upper edge thereof to retain a cloth or other cover in place over the contents of the barrel. When forced down this hoop G may rest upon the upper ends of the outer stays D as seen in Fig. 2. Instead of having the outer surface of the top hoop F in a vertical plane for its entire width it may sometimes be constructed with a vertical surface for the width of the hoop G only as seen in Fig. 2, the end attained is practically the same. The diameter of the hoop G is so proportioned to that of the upper hoop F that when the cloth H is placed in position some force will be required to drive on the said hoop G so that when it

is in position it will not become accidentally displaced.

The stays C and D may be of any suitable width and there may be more or less of them as the strength of the receptacle may require.

What I claim as new is—

1. A crate composed of a bottom, hoops arranged at a distance apart and vertical stays upon opposite sides of said hoops, the outer stays terminating at a distance from the upper edge of the top hoop, substantially as specified.

2. A crate composed of a bottom, hoops arranged at a distance apart and vertical stays in pairs, the inner ones extending to the top edge of the upper hoop and the outer ones

terminating at a distance therefrom, substantially as specified.

3. A crate composed of a bottom, hoops arranged at a distance apart and vertical stays in pairs, the inner ones extending to the top edge of the upper hoop and the outer ones terminating at a distance therefrom, the outer surface of the upper hoop above the upper ends of the outer stays being in a vertical plane, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

HARVEY ALLEN.

Witnesses:

TIBERIOUS G. J. CHURCH,
WILLIAM N. BELLE.