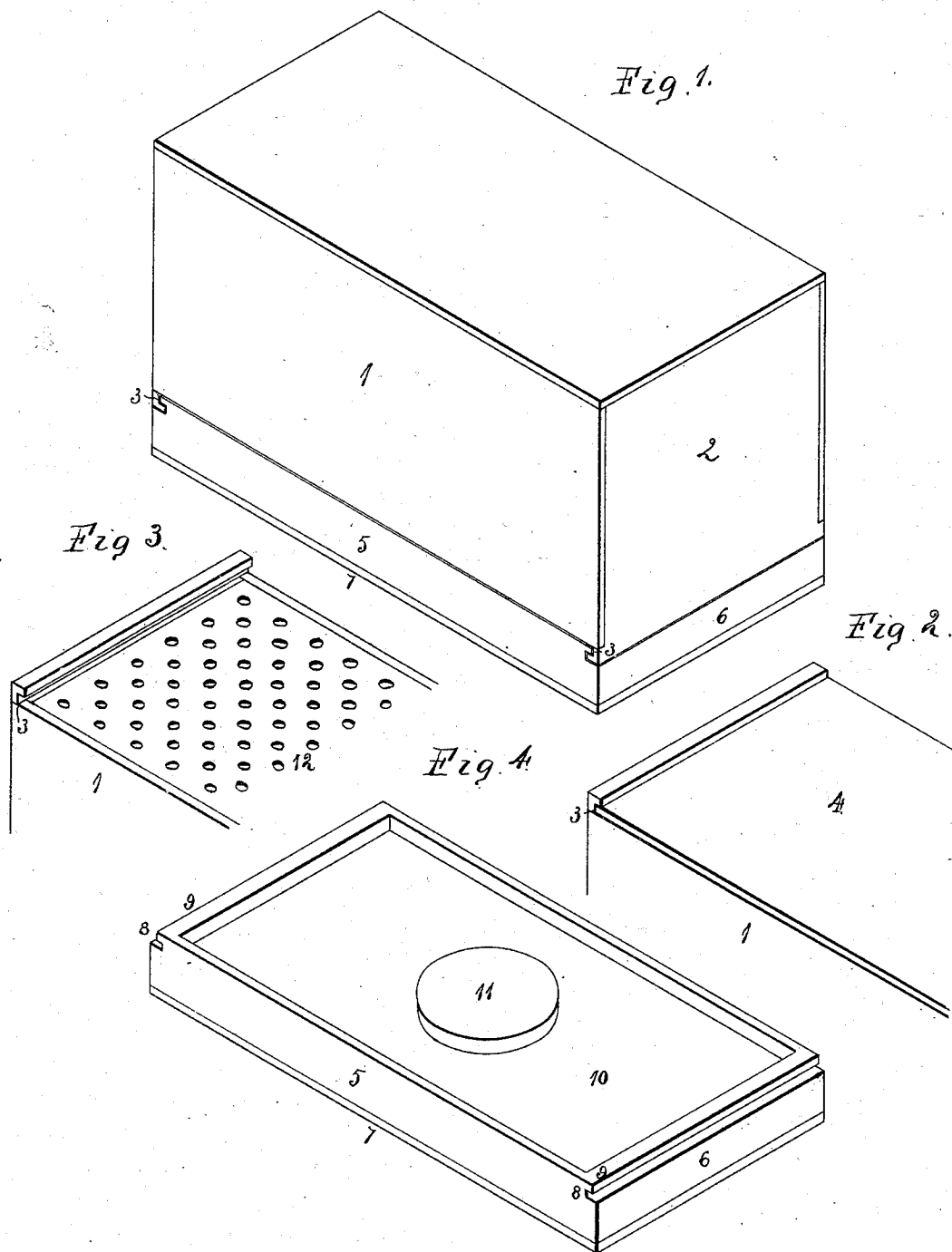


(No Model.)

J. H. BOWLEY.
SHIPPING CASE.

No. 509,839.

Patented Nov. 28, 1893.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH H. BOWLEY, OF MARENGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO
JOHN W. STOCKWELL, OF SAME PLACE.

SHIPPING-CASE.

SPECIFICATION forming part of Letters Patent No. 509,839, dated November 28, 1893.

Application filed June 26, 1893. Serial No. 478,870. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH H. BOWLEY, a citizen of the United States, residing at Marengo, in the county of McHenry and State of Illinois, have invented certain new and useful Improvements in Shipping-Cases, of which the following is a specification.

The object of this invention is to attach a receptacle to the bottom of a shipping case containing perishable goods in such a manner that it may be removable in order that it may be filled with ice, or the water emptied therefrom.

In the accompanying drawings, Figure 1, is an isometrical representation of a shipping case, with my attachment in position. Fig. 2, is an isometrical representation of a portion of the under side of the case, showing the bottom in position. Fig. 3, is a similar view in which the bottom has been removed. Fig. 4, is an isometrical representation of my attachment.

The shipping case shown in the accompanying drawings is designed more especially for holding eggs, but may be used for shipping fruit or other perishable goods and consists of the side 1, nailed or otherwise secured to the ends 2, the ends depending below the sides and provided with transverse grooves 3, in their inner faces. A bottom 4, slides in the grooves 3, formed in the ends 2, until its edges are flush with the sides of the case, and may be removed therefrom.

My attachment or improvement for containing ice is of the same size as the bottom of the shipping case being composed of sides 5, and ends 6, to which they are nailed, and a bottom 7, nailed to the sides and ends. The outer upper portion of the ends are provided with a groove 8, leaving a tongue 9,

which enters the groove 3, in the bottom of the shipping case, after the bottom of the case has been removed. Within this receptacle is placed a tank 10, of dimensions to properly fit the opening, the top being provided with a screw threaded cap 11.

The shipping case is provided with a permanent bottom 12, above the removable bottom which is perforated as shown at Fig. 3.

In using the case it is filled with the goods to be shipped and the cover secured in position. The tank is filled with ice, the screw cap 11, turned in position preventing leakage and placed within the wooden receptacle. The receptacle is then placed in its engagement with the bottom of the case, and the case is ready for shipment. By means of the removable tank it may be readily filled with ice, and at the end of its journey the water and ice are emptied therefrom.

In long shipments of eggs and fruit it is necessary that they be kept at about a certain degree of temperature in order that they arrive at their destination in the best possible shape, and by means of the shipping case herein shown and described, such shipments can be made without the employment of a refrigerator car and cheaper transportation had.

I claim as my invention—

In a shipping case the combination of a case proper having a perforated bottom and transverse guide ways, an extension fitted to the guide ways and a removable tank located in the extension having a removable cover.

JOSEPH H. BOWLEY.

Witnesses:

A. O. BEHEL,
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