G. W. Righter,

Bottle Box.

No. 28,606. Patented June 5, 1860.

Fig 1

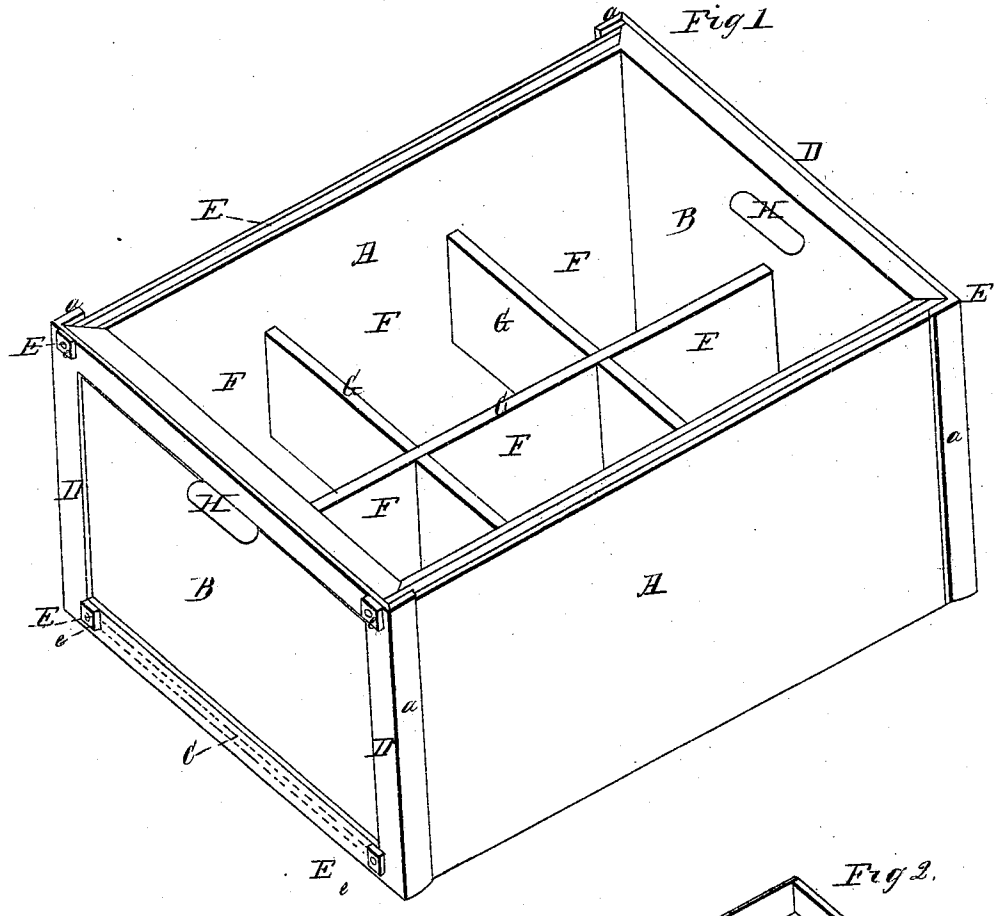
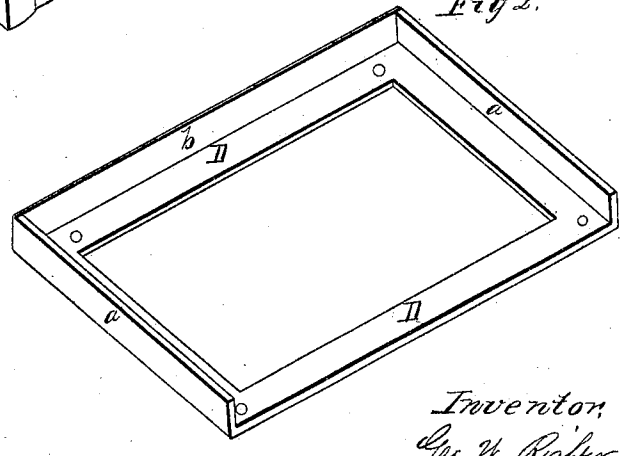


Fig 2.



Witnesses.
Stephen Urbach
Joseph D Evans

Inventor.
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UNITED STATES PATENT OFFICE.

GEORGE W. RIGHTER, OF PHILADELPHIA, PENNSYLVANIA.

PORTER-BOTTLE BOX.

Specification of Letters Patent No. 28,606, dated June 5, 1860.

To all whom it may concern:

Be it known that I, GEORGE W. RIGHTER, of the city of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Porter-Bottle Boxes, and that the following is a full and exact description of the same, reference being had to the accompanying drawings, which make a part of this specification, in which—

Figure 1, is a perspective view of the box. Fig. 2, is a similar view of one of the end castings C, detached from the box.

Like letters in both the figures represent the same parts of the box.

The nature of my invention and improvement consists in constructing a box, or case for the conveyance of bottles of porter, beer, mineral water, &c., by combining the bottom, sides and ends of the box with metallic frames by means of bolts which hold the several parts together in a strong and substantial manner without the use of nails or screws—the box being constructed in the manner I will hereafter fully describe.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

A, A, are the side pieces of the box, and B, B, the ends which are mitered to them.

C, is the bottom.

D, D, are malleable iron frames which have perpendicular flanges *a*, *a*, against which the sides A, A, bear; and a horizontal flange *b*, which is seen in Fig. 2, on which the bottom C rests.

E, E, E, E, are screw bolts which hold the several parts above described together as represented in Fig. 1. The said rods or bolts have nuts *e*, on one end and a head on the opposite end; but instead of having the nuts and heads, their ends may be merely riveted if desired, as, the box is not required to be taken apart before the wooden parts wear out.

The holes F, for holding the bottles, are formed in the usual way by half lapping the strips G, and inserting their ends in the sides and ends of the box. As this plan is well known a particular description is deemed unnecessary.

The holes H, H, in the ends B, B, are for the purpose of inserting the hands to lift the box.

I do not confine myself to connecting the sides A, A, and ends B, B, at the corners by means of miter joints, as, they may be connected by means of shoulders on the end pieces B, to form grooves between them and the flanges *a*, of the frames D, for the reception of the ends of the sides A, A. Or other modifications may be made in the mode of connecting the said pieces to suit the views of the constructor, and still the same result be obtained.

I have described the frames D, D, as being constructed of malleable iron, but they may be made of wrought iron strips, welded together, and the flanges turned on them if desired, or, they may be made of common cast iron, by making them of increased size, but as the latter mode would increase considerably the weight of the box, it is not recommended.

Having thus fully described the porter bottle box as invented or improved by me what I claim therein as new and desire to secure by Letters Patent is—

Combining and arranging the sides A, A, ends B, B, bottom C, and partition strips G, with the metallic frames D, D, and rods E, E, E, E, substantially in the manner and for the purpose set forth.

In testimony that the above is my invention, I, have hereunto set my hand and affixed my seal this 5th day of May 1860.

GEO. W. RIGHTER. [L. S.]

Witnesses:

STEPHEN URTICK,

JOSIAH D. EVANS.