

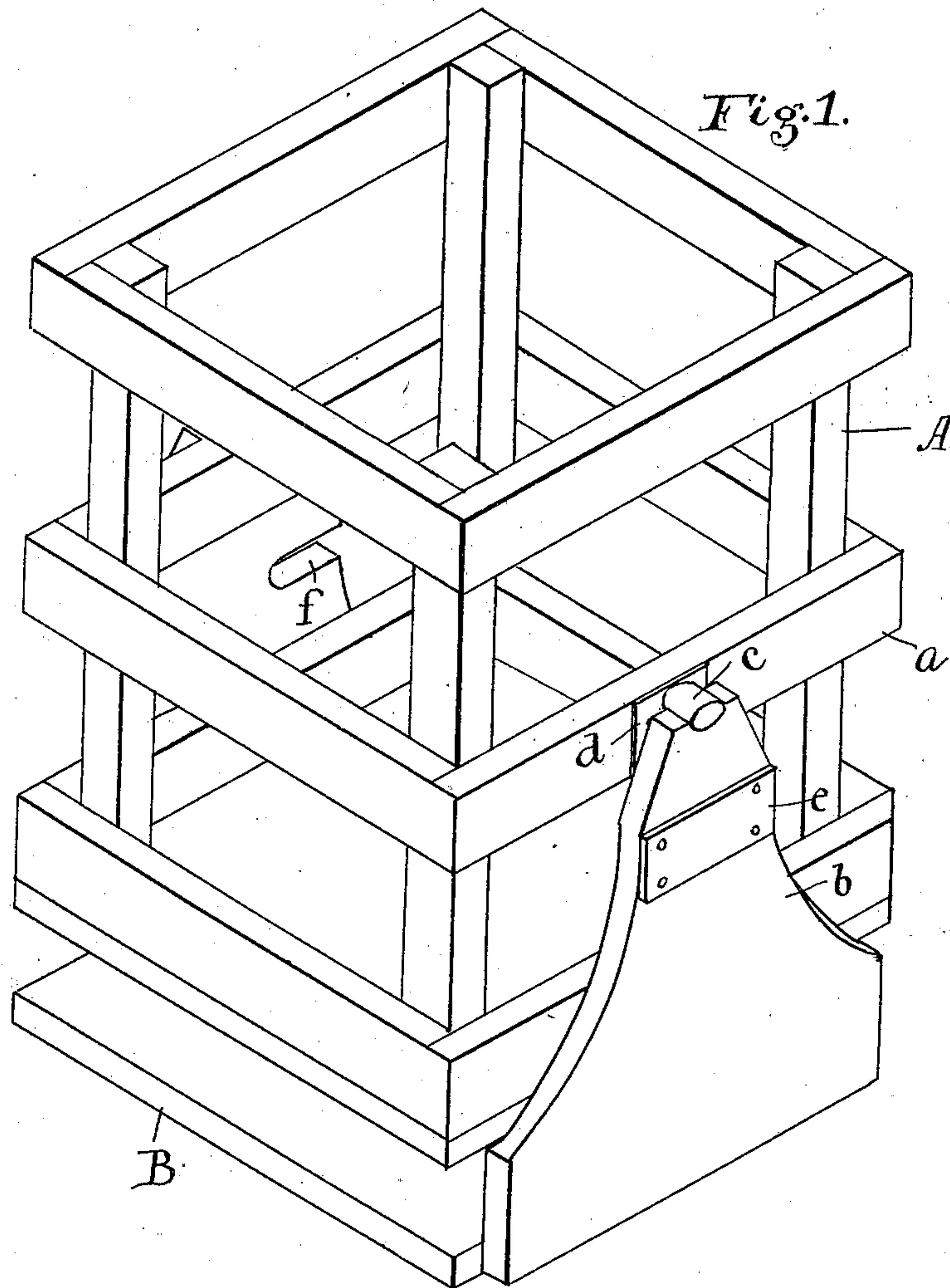
No. 686,177.

Patented Nov. 5, 1901.

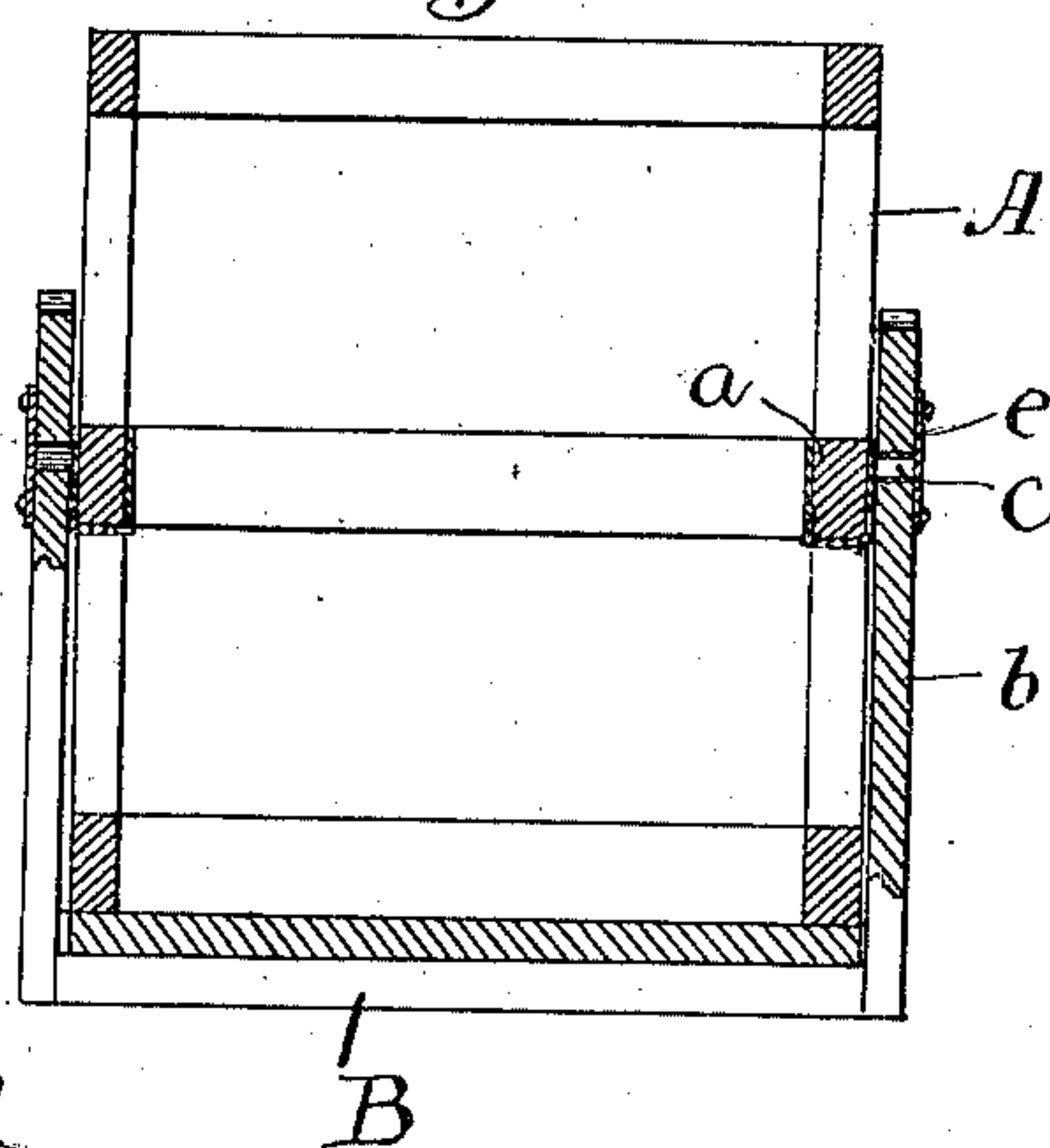
F. H. WILSON.  
TILTING CRATE.

(Application filed Aug. 26, 1901.)

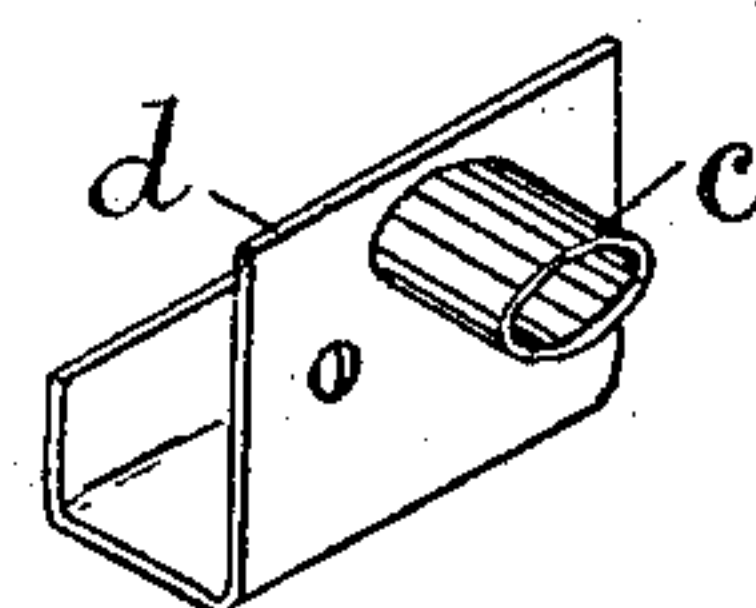
(No Model.)



*Fig. 2.*



*Fig. 3.*



Witnesses:

Harry B. Russo  
Benj. C. Harsh

Inventor:  
Frederick H. Wilson  
by S. M. Bates  
his atty.



# UNITED STATES PATENT OFFICE.

FREDERICK H. WILSON, OF BRUNSWICK, MAINE.

## TILTING CRATE.

SPECIFICATION forming part of Letters Patent No. 686,177, dated November 5, 1901.

Application filed August 26, 1901. Serial No. 73,264. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK H. WILSON, a citizen of the United States of America, and a resident of Brunswick, county of Cumberland, State of Maine, have invented certain new and useful Improvements in Tilting Crates, of which the following is a specification.

My invention relates to a case for transporting and holding large bottles, jugs, &c., and it is more particularly designed to be used for shipping and holding bottles containing spring-water. Such water is usually sold in large bottles, and it is quite essential that the bottles should be easily tilted to decant the water when the latter is to be used.

According to my present invention I make a crate for containing the bottle supported in a base which serves as a steady support when the bottle is being transported and as a tilting support when the water is being drawn off.

The invention consists of the combination and arrangement of parts hereinafter set forth and claimed.

I illustrate my invention by means of the accompanying drawings, in which—

Figure 1 is a perspective view of the device when in actual use—that is, in its tilting position. Fig. 2 is a vertical section showing the crate resting on the base in position for transportation, and Fig. 3 is a detail view of the trunnion.

A represents a crate, which may be of any suitable form. As here shown, it is constructed in the common manner, with vertical posts and horizontal slats *a*. In connection with the crate, but separate from it, I provide a base B, with upward-projecting side pieces *b*, between which the crate is held. The crate is supported in its tilting position by means of trunnions *c*, one on each side and here shown as attached to the central bar of the crate. Each of these trunnions fits a suitable recess formed in the upper end of the projection *b*, and so held the crate may be easily tilted to decant the water from the contained bottle, which is not here shown.

The trunnion which I prefer to use and which forms one of the features of my device is that shown in Fig. 3. It consists of a piece of sheet metal *d*, bent to have a U-shaped cross-section to fit under the lower edge of

the bar of the crate and having a horizontally-projecting cylindrical trunnion *c*, extending out from one face. A trunnion thus made is easily applied and very strong.

When it is desired to transport the case, the crate is lifted from the recesses and placed on the base B, the trunnions sliding laterally into slots *f*, cut out from the side pieces from the edge inward, so that the crate rests centrally on the base. The crate may now be lifted and handled with the base, the trunnions being confined in the slots so far as vertical movement is concerned and serving to connect the crate with the base. Cleats *e* are here shown as fastened to the outside of the side pieces to protect the ends of the trunnions during transportation.

This case forms a very convenient and cheaply-constructed means of handling and using spring-water and other liquids which require to be frequently decanted.

Instead of an open crate, as here shown, a closed crate or case may be used.

I claim—

1. The herein-described holder for bottles, jugs, &c., consisting of a base having upward-projecting side pieces each having a vertical recess in its upper end, a crate having trunnions adapted to fit said recesses and to turn therein, said side pieces being provided with horizontal slots extending in from one edge for receiving said trunnions when the crate rests on the base.

2. The herein-described holder for bottles, jugs, &c., consisting of a base having upward-projecting side pieces, each having a recess in its upper end, a crate having horizontal side bars, a pair of trunnions each consisting of a sheet of metal bent with a U-shaped cross-section to fit the lower edge of said bar and having a lateral cylindrical projection from one of its faces, said trunnions being adapted to fit said recesses and to turn therein, said side pieces being provided with horizontal slots extending in from one edge for receiving the trunnions when the crate rests on the base.

Signed at Portland, Maine, this 21st day of August, 1901.

FREDERICK H. WILSON.

Witnesses:

SAMUEL D. PLUMMER,  
S. W. BATES.