

(No Model.)

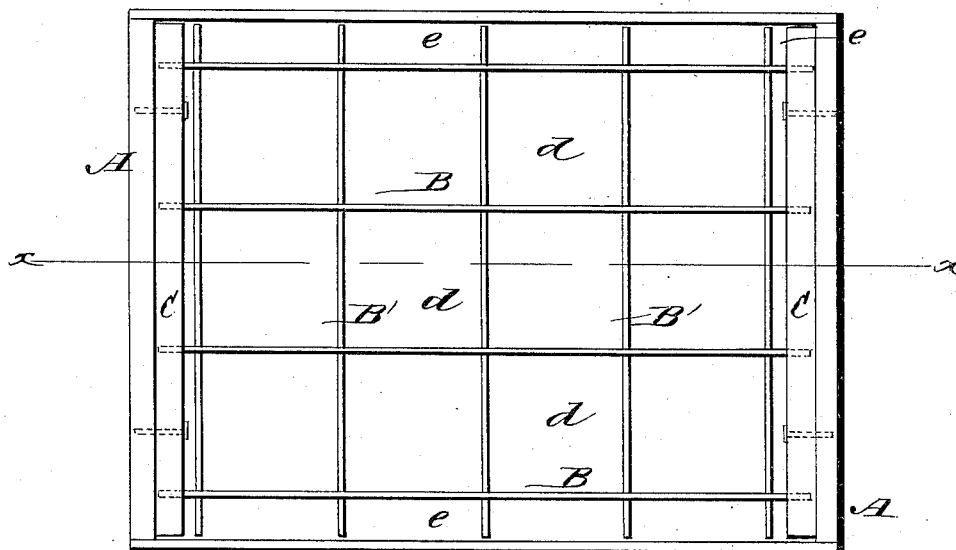
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PACKING BOX FOR BOTTLES.

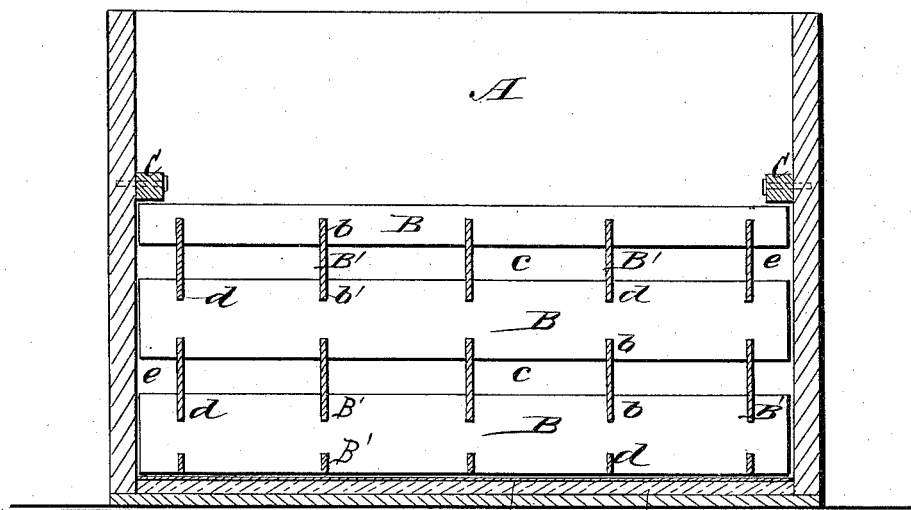
No. 306,533.

Patented Oct. 14, 1884.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*H. McArdle.*  
*C. Sedgwick*

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# UNITED STATES PATENT OFFICE.

JOHN C. SCHOENTHALER, OF ST. LOUIS, MISSOURI.

## PACKING-BOX FOR BOTTLES.

SPECIFICATION forming part of Letters Patent No. 306,533, dated October 14, 1884.

Application filed July 11, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN C. SCHOENTHALER, of the city and county of St. Louis, and State of Missouri, have invented a new and Improved Packing-Box for Bottles, of which the following is a full, clear, and exact description.

This invention is designed as an improvement upon that for which Letters Patent No. 276,289 were granted me April 24, 1883, the object of which was the production of a superior packing-box for bottles and other articles liable to fracture, damage, &c., and that require protection for storage, shipping, and transportation purposes. In said patented invention I used a box or case the inner faces of the sides of which had vertically-cut slits or grooves in them to receive down within them the projecting ends of a series of thin strips of wood or slats arranged in separated rows, one above the other, each succeeding row crossing the one next adjacent to it, and the slats in the several rows being so arranged or spaced as to form vertical compartments between them for the bottles. This inner slatted construction virtually formed a crate having any number of compartments made up of flexible material, with a clearance-space between the sides of the outer slats and the sides of the box, to better cushion the bottles from the effects of sudden jar or concussion. To strengthen the joint of the series of slats where the several crossing rows rest on top of each other, the edges of the slats were notched to provide for the slats in each row engaging with the slats in the row above or below it. The box or case filled with this compartment packing or crate had a cushion for the bottles in its bottom, made of hay, straw, shavings, or other waste material covered by a strip of pasteboard, upon which the bottoms of the bottles rested. The invention shown in the accompanying drawings uses a like construction of compartment-crate within the box or case, and similar cushion in the bottom of the box for the bottles entered down within the compartments to rest upon; but I dispense with the vertical slits or grooves in the inner faces of the sides of the box for the overlapping ends of the slats to enter within, thus saving labor and nicety of fitting, and secure the compartment-crate, which is only made of

a depth to take in the bodies of the bottles, or thereabout, to its place by cleats or strips nailed to the inner faces of the ends or certain of the sides of the box immediately over the crate. This not only saves material, but before the box is used or filled with bottles and its lid is fastened down the compartment-crate or packing will be kept to its proper place by the cleats or strips, and there will be no tendency, as there is under my previous construction, when the lid gets loose, of the shavings or material used for the cushion in the bottom of the box to settle at either end thereof while the box is being transported from the box-factory to the place of use.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents the top of a bottle-packing box embodying my invention with the lid of the box removed, and Fig. 2 is a vertical section of the same on the line *xx* in Fig. 1.

A is the outer wooden box or casing, of rectangular form; and B, the longitudinal and B' the transverse thin strips of wood or veneer forming the compartment-crate or packing structure, said strips being arranged in longitudinal and transverse rows successively one upon the other, and the strips in each row being notched on their edges to interlock with the row of strips immediately above or below it, as at *b*, leaving spaces *c* between the rows for lightness, and said crossing rows of strips B B' being furthermore so arranged as to form compartments *d* for the bottles down between them, and with the ends of the strips projecting to leave clearance-spaces *e* between the outer strips and sides of the box A, all as described, and for the purposes hereinbefore named, and fully explained in my Letters Patent before cited; but the compartment-crate composed of the strips B B', instead of being fitted into grooves in the sides of the box, is simply fitted snugly within the box by making said strips of about or nearly the same length as the length and width of the interior of the box, and it is not made of the full depth of the box, but only sufficiently so, or thereabout, to cause the compartments *d* to inclose the bodies of the bottles, which is all

that is necessary to give the required protection. This construction saves both time, labor, and material. Said compartment crate or structure B B' rests, as in my patented box, 5 on a cushion, *f*, of hay, straw, shavings, or other soft and yielding flexible material, covered only by a piece or pieces of pasteboard, *g*, for the bottoms of the bottles to cushion upon. To keep this compartment structure B B' 10 down to its place on the cushions *f g*, cleats or strips C C are nailed on the inner faces of the ends of the box immediately above the slatted structure B B', so that there will be no tendency of the shavings or material *f*, used 15 for the cushion in the bottom of the box, to settle at either end while the box is being transported from the box-factory to the place of use.

Having thus fully described my invention, I claim as new and desire to secure by Letters 2 Patent—

The combination, with the box A, having a cushion of loose material in its bottom, of the series of crossing strips or slats B B', constructed to interlock at their edges, as described, and 2 constituting a compartment crate or structure arranged to fit freely within the box, but of less depth than it, and the holding-down strips or cleats C C, secured to the inner faces of the sides or ends of the box, substantially as shown 3 and described, and for the purposes herein set forth.

JOHN C. SCHOENTHALER.

Witnesses:

H. GEHNER,  
JNO. LEWIS.