No. 757,591. PATENTED APR. 19, 1904.

M. O. ANTHONY.

PACKING BOX.

APPLICATION FILED SEPT. 16, 1903.

NO MODEL.

Fig. 1.

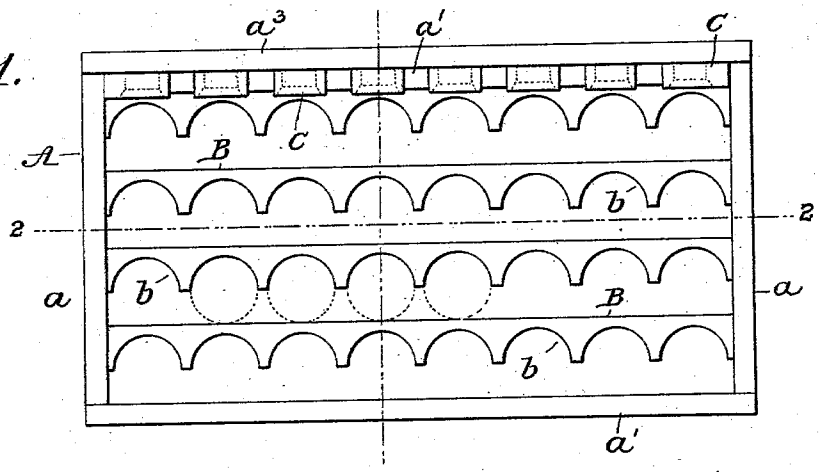



Fig. 2.

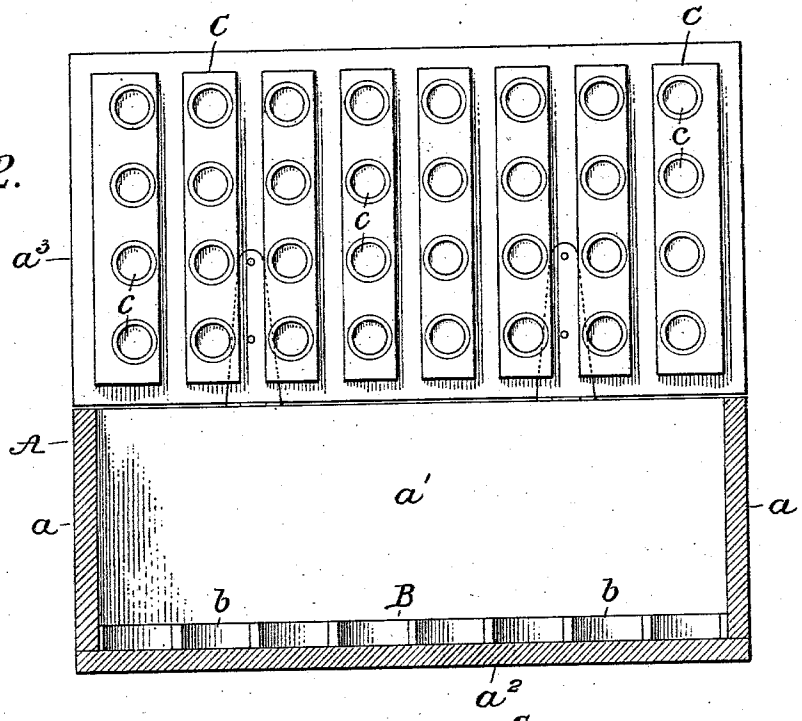
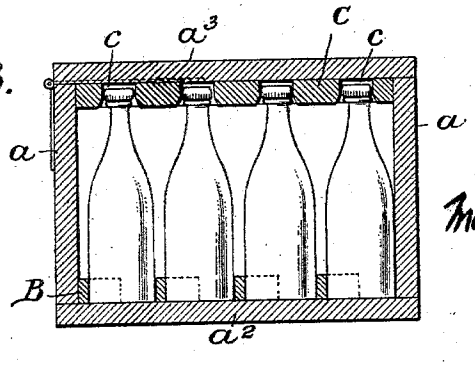



Fig. 3.




WITNESSES:

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No. 757,591. Patented April 19, 1904.

# UNITED STATES PATENT OFFICE.

MARK O. ANTHONY, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF, HENRY C. TRAUTE, AND JOHN R. NOLAN, OF NEW YORK, N. Y.

## PACKING-BOX.

SPECIFICATION forming part of Letters Patent No. 757,591, dated April 19, 1904.

Application filed September 16, 1903. Serial No. 173,383. (No model.)

*To all whom it may concern:*

Be it known that I, MARK O. ANTHONY, a citizen of the United States, and a resident of the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Packing-Boxes, of which the following is a specification.

The object of this invention is to provide a box or case of simple, efficient, and durable construction for the packing and transportation of bottles and the like, as will be hereinafter particularly described and claimed.

In the drawings, Figure 1 is a plan of a box embodying my invention, the lid being thrown open. Fig. 2 is a vertical section thereof as on the line 2 2 of Fig. 1. Fig. 3 is a transverse section of the box closed, showing bottles therein.

A represents a rectangular box or case comprising ends $a$, sides $a'$, a bottom $a^2$, and a hinged top or lid $a^3$. On the internal surface of the bottom are fixed at suitable intervals apart longitudinally-disposed bars B, each of which is provided along one of its edges with a series of open recesses or sockets $b$, preferably semicircular in form, for the reception of a portion of the basal ends of the bottles contained within the box. The bars are so arranged that their recessed edges face in the same direction and that the plane edges of the bars afford lateral stops for the bottles in the opposing recesses. Thus the bottles, slightly separated from each other, are effectually supported at their lower ends in parallel rows. On the inner surface of the lid is a series of transversely-disposed bars C, provided with sockets $c$, which correspond in number with the sockets in the bottom of the box and are so disposed relatively thereto that when the lid is closed down upon the box the sockets receive the stoppered heads of the respective bottles within the box, and thereby in conjunction with the bottom bars securely hold the bottles in place.

The sockets $c$ are of a diameter to embrace snugly the heads of the bottles and of a depth to insure their engagement with bottles which may vary slightly in height.

The outer edges of the sockets $c$ are preferably flared or beveled, as indicated, to facilitate the ready entrance of the bottle-heads therein when the lid is being closed.

The bars C are so spaced and arranged in respect to the end and side edges of the lid as to fit neatly into the open top of the box when the lid is down, thereby obviating liability of accidental displacement of the lid and increasing the firmness and rigidity of the structure as a whole. Moreover, the lid and bottom of the box are reinforced and materially strengthened by their respective bars. The bars B being also separated and the open recesses or sockets $b$ being formed therein, the bottom ends of the bottles are loosely received by said bars, so that the bottles may have slight vibratory movement. Thus the heads of the bottles as the same come into contact with the flared or beveled edges of the sockets $c$ when the lid is being closed will be guided readily into said sockets. The use of these bars adds very little to the cost of the ordinary box, while the described arrangement of the sockets therein permits the disposition of the adjacent bottles with very slight intervening spaces, thereby reducing to a minimum the dimensions of the box for a given quantity of bottles.

I claim—

1. A packing-box having on the inner side of its bottom a series of bars each of which is provided in one of its edges with a series of substantially semicircular open recesses or sockets for the reception of the bottom ends of bottles, said bars being separated from each other to loosely receive the bottom ends of the bottles and permit slight vibratory movement thereof, and a series of reinforcing-bars carried by the lid and provided with flaring recesses or sockets in line with those in the bottom of the box, said recesses or sockets being adapted to receive the tops of the bottles when the lid is closed to hold the bottles in place.

2. A packing-box provided on the inner side of its bottom with a series of separated bars having open recessed edges which afford rows of sockets to receive and support the bottom ends of bottles, and provided on the

inner side of its lid with a series of reinforcing-bars having recesses or sockets which are in line with those in the bottom of the box, and are adapted to receive the tops of the bottles when the lid is closed and thereby hold the bottles in place.

Signed at New York, in the county of New York and State of New York, this 14th day of September, A. D. 1903.

MARK O. ANTHONY

Witnesses:
ALFRED J. TALLEY,
OLGA DALEY.