

Patented Nov. 24, 1908.

Fig. 1.

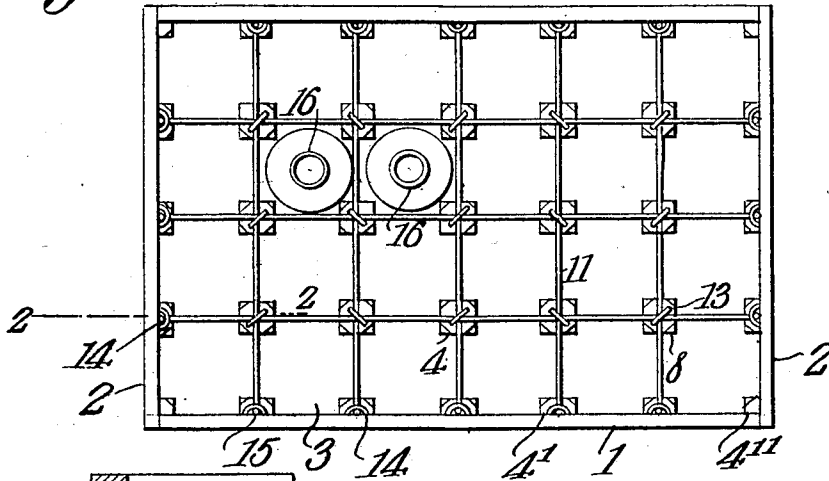


Fig. 2.

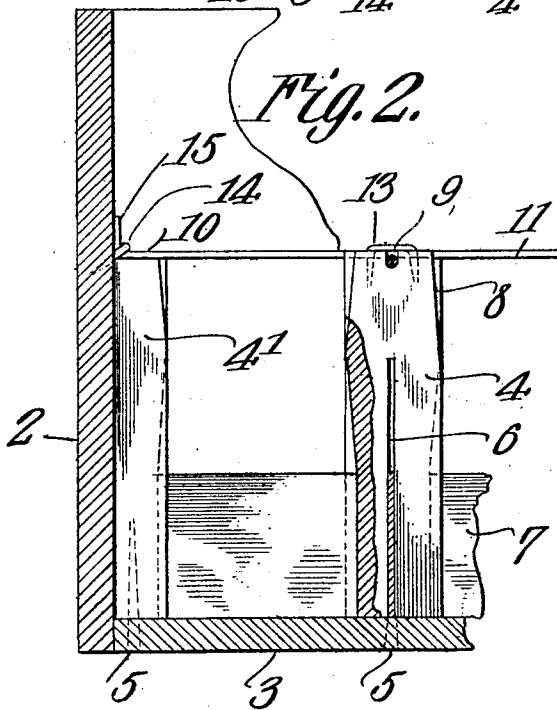
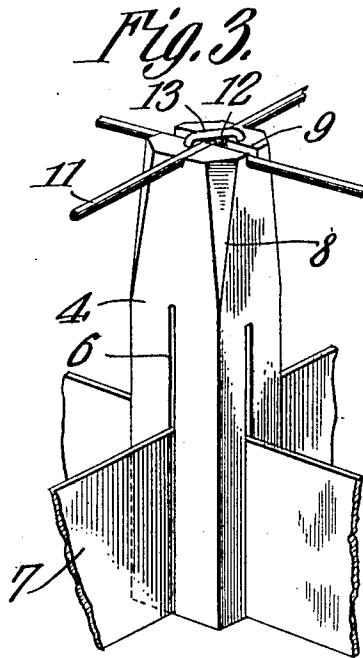


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

SIMON BECKER, OF SPARTANBURG, SOUTH CAROLINA.

BOTTLE CASE OR CRATE.

No. 904,829.

Specification of Letters Patent.

Patented Nov. 24, 1908.

Application filed November 25, 1907. Serial No. 403,788.

To all whom it may concern:

Be it known that I, SIMON BECKER, a citizen of the United States, residing at Spartanburg, in the county of Spartanburg and State of South Carolina, have invented a new and useful Bottle Case or Crate, of which the following is a specification.

This invention has relation to cases or crates for holding bottles and similar fragile vessels or articles and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a case or crate of novel construction the parts of which are substantially assembled and which are so disposed as to effectually cushion or resiliently support bottles or like articles in such manner as to prevent the bottles from coming in contact with each other and to prevent the same from breaking as a consequence of being subjected to jar or rough handling.

The crate or case consists primarily of a series of wooden posts which are spaced at suitable intervals apart upon the bottom of the case and secured thereto by means of nails or other securing devices passing through the bottom of the case. The lower portions of the said posts are provided with grooves which receive the ends of sheet metal partitions. The upper ends of the posts are provided with cruciform grooves which receive the intersecting portions of a wire fabric or mesh and securing devices are provided for holding the intersecting portions of the said fabric in position upon the ends of the posts.

In the accompanying drawing: Figure 1 is a top plan view of the case or crate. Fig. 2 is a vertical sectional view of a portion of the same and Fig. 3 is a perspective view of one of the posts with attaching parts.

The case or crate consists of the long sides 1 the short sides 2 and the bottom 3. The wooden posts 4 are arranged at suitable intervals upon the bottom 3 and are secured thereto by means of the nails 5 or other securing devices which pass transversely through the bottom 3 and enter the lower ends of the post. Some of the posts 4 are cut in half and are arranged against the sides 1 and 2 of the crate as at 4' while other posts are quartered and are arranged in the corners of the sides 1 and 2 as at 4''. The

sides of the posts 4 and 4' are provided with the vertically disposed grooves 6 which receive the ends of the sheet metal partitions 7. The upper portions of the corners of the posts are chamfered as at 8 and the upper ends of the posts 4 are provided with cruciform grooves 9. The upper ends of the posts 4' are grooved as at 10 while the upper ends of the posts 4'' are preferably devoid of grooves. A wire netting or fabric is formed by the intersecting wires 11, the points of intersection of which lie in the cruciform grooves 9 at the upper ends of the posts 4 and are held together by solder 12 and are held within the said grooves by means of the staples 13 which straddle the intersecting wires and have their legs driven in the upper ends of the said posts. The end portions of the wires 11 lie in the grooves 10 of the posts 4' and are held therein by means of the staples 14 which are preferably driven into the sides 1 and 2 of the crate. The extremities of the wires 11 are upwardly bent as at 15 and lie against the inner surfaces of the sides 1 and 2 of the crate. The spaces between the posts and in the fabric formed by the wires 11 are adapted to receive the bottles 16 or similar articles. The wires 11 hold the upper ends of the said posts in proper positions but permit of slight lateral movement of the upper portions of the posts by reason of their ductile or resilient qualities. The sides of the bottle 16 are adapted to engage the corners of the lower portions of the posts which are preferably made of wood and the said corners have a tendency to cushion the bottles to prevent breakage thereof. The chamfered ends 8 increase the area of space between the upper ends of the posts whereby the bottles may be more readily inserted in position between the posts. The staples 13 are preferably arranged at right angles to each other in rows lengthwise of the case so that the said staples are not liable to pull out when the case is filled with bottles and is turned up on either end. Thus a substantial structure is provided and the bottles so spaced apart that they cannot come in contact with each other and are effectually cushioned toward all of the sides of the case which may be subjected to severe jar or rough handling without the liability of breaking the bottles.

Having thus described my invention, what

I claim as new and desire to secure by Letters-Patent is:

A bottle case comprising a bottom, side and end walls, posts secured to the bottom
5 and against the side and end walls, the former having their upper ends provided with intersecting seats and their lower portions with longitudinal grooves, wires disposed in the seats and soldered together at
10 their points of intersection, the ends of the wires being upturned and secured to the side

and end walls, staples driven into the posts and spanning the crossed wires, and partitions held in the said grooves.

In testimony that I claim the foregoing 15 as my own, I have hereto affixed my signature in the presence of two witnesses.

SIMON BECKER.

Witnesses:

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