

(No Model.)

L. M. NEMON.
BOTTLE CRATE.

No. 442,535.

Patented Dec. 9, 1890.

Fig. 1.

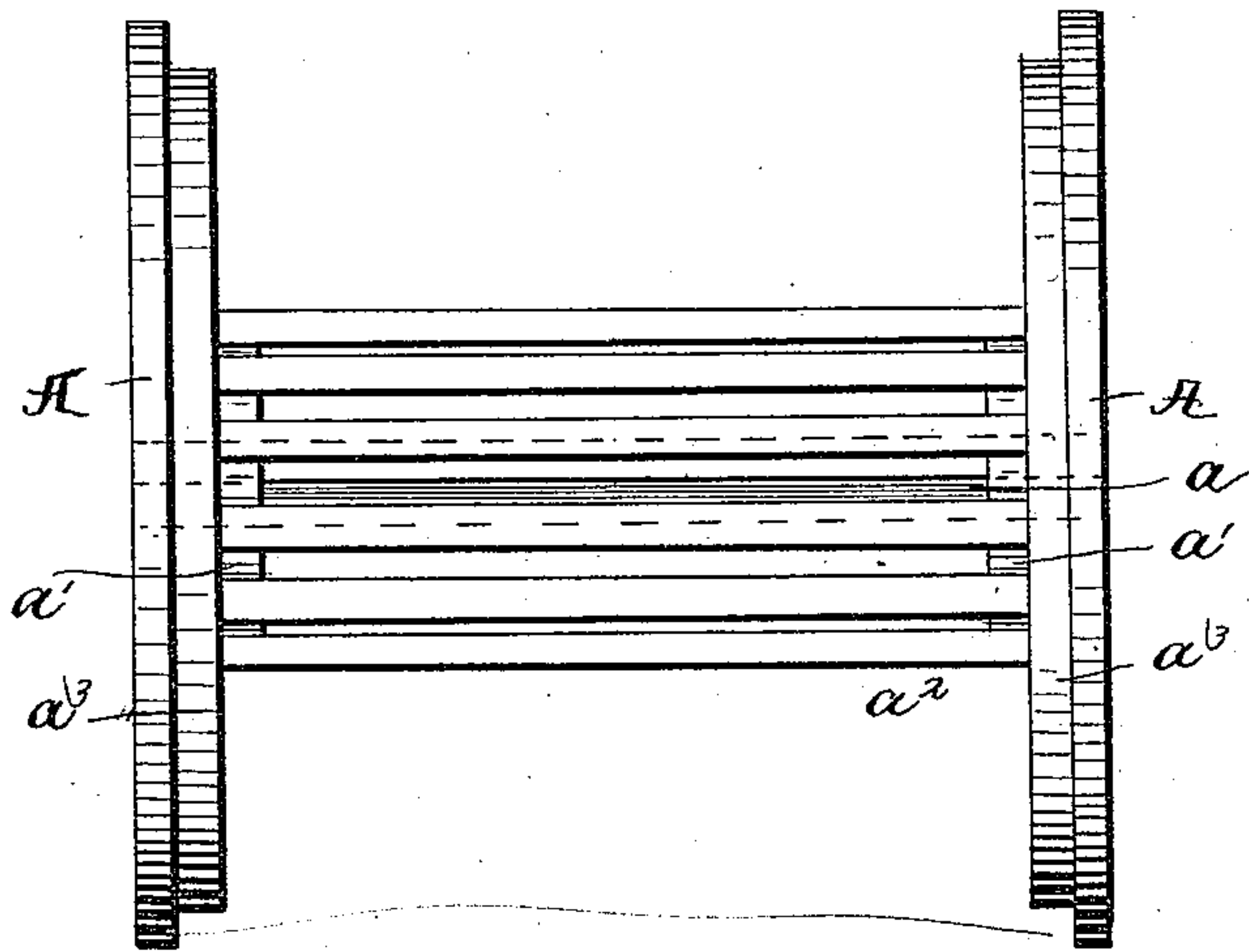
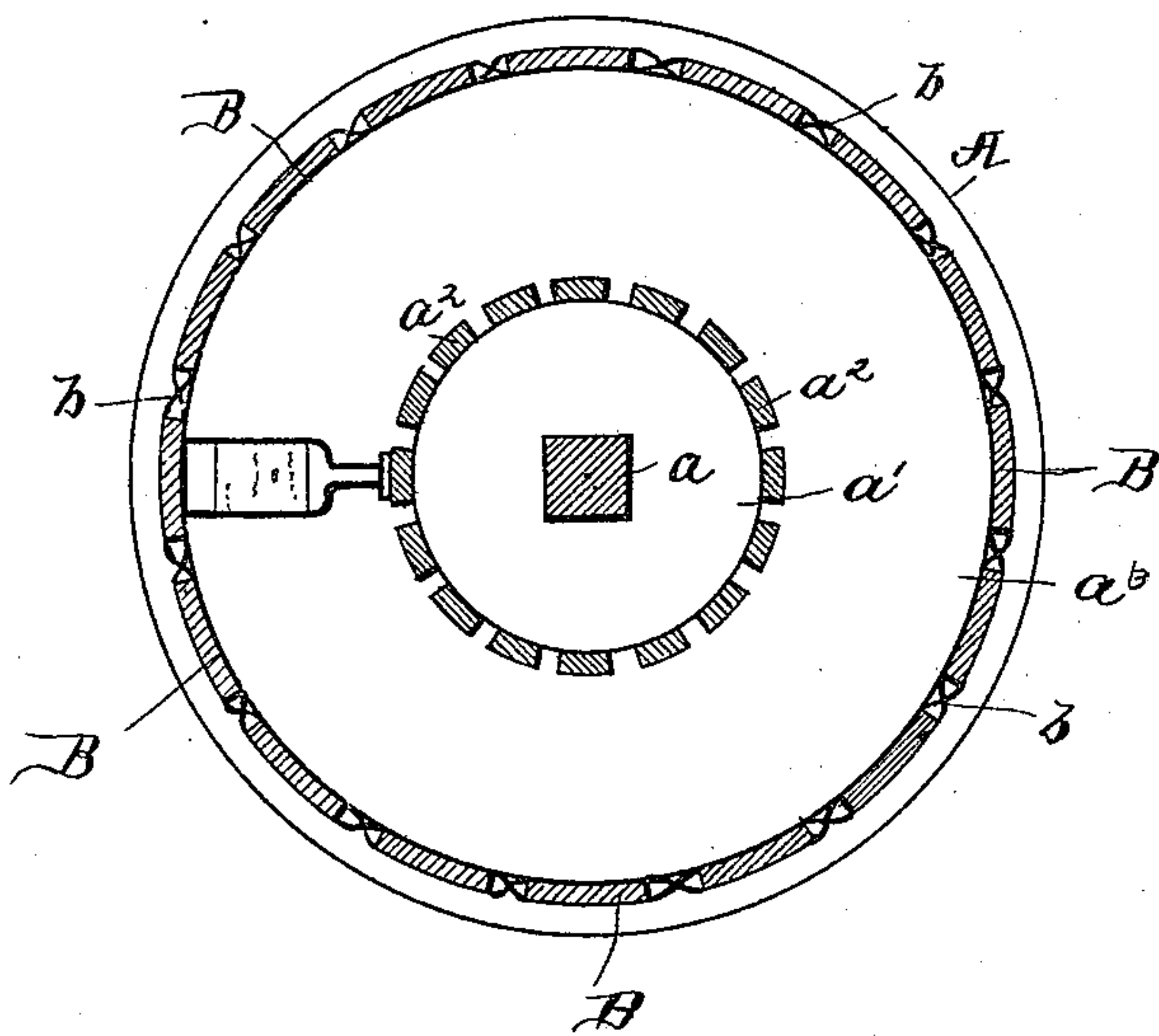


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

LUTHER MORRISON NEMON, OF DUNBAR, PENNSYLVANIA.

BOTTLE-CRATE.

SPECIFICATION forming part of Letters Patent No. 442,535, dated December 9, 1890.

Application filed August 30, 1890. Serial No. 363,469. (No model.)

To all whom it may concern:

Be it known that I, LUTHER MORRISON NEMON, a citizen of the United States of America, residing at Dunbar, in the county of Fayette and State of Pennsylvania, have invented certain new and useful Improvements in Crates, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention pertains to certain new and useful improvements in crates, having for its object the provision of a new and improved crate for transporting bottles, the same being simple, cheap, and durable.

15 The invention comprises two corresponding circular end pieces or wheels connected together near their axial centers, and a flexible inclosing band or frame placed between said wheels for holding the bottles in place, substantially as hereinafter fully set forth, and particularly pointed out in the claim.

20 In the accompanying drawings, Figure 1 is a front elevation of my improved crate with the flexible inclosing-band removed. Fig. 2 is a vertical longitudinal sectional view thereof, showing said band in place.

Referring to the drawings, A A designate two circular end heads or wheels, which may be centrally connected together by a square axle
30 a. With each wheel is formed a central reduced hub a' , and to these hubs are secured spaced apart connecting cross bars or straps a^2 . When the latter are sufficiently secure, the axle may be dispensed with. A second reduced portion forms a rim a^3 on each wheel
35 near the outer edge thereof. The bottles to be shipped are placed in circular rows, the large ends of the bottles being adjacent to the rim a^3 , while the necks thereof are disposed against
40 the cross bars or straps a^2 , as shown. In this manner several bottles are placed on each wheel, and upon these bottles is placed a second series, and so on, according to the space

between the two end heads or wheels. After the bottles are thus positioned they are held 45 in place by a flexible band or series of cross bars or strips B encircling the outer rims a^3 and inclosing the bottles, the ends of said band being connected together. These bars or strips B are preferably flexible, connected 50 together by wire netting or strands b , as shown. Thus I am enabled to pack any number of bottles according to the size of the crate, and since the outer ends of the bottles are held away from the edges of the wheels the crate 55 can be rolled thereon in transporting the same.

When the crate is emptied or when being packed, it is placed on end similar to a barrel, and the bottles are then on their sides ready to be removed. 60

It will be seen that a crate thus constructed is very simple, cheap, and durable, and that bottles packed therein are securely held in place for transportation, and there being no jarring in moving the crate the bottles are not 65 liable to be readily broken or deranged, and a continuous free circulation of air is permitted throughout the crate around all bottles.

I claim as my invention—

The herein-described improved crate, consisting of two circular end heads or wheels 70 having each a central hub and a reduced portion forming an outer rim, a central axle connecting said end heads or wheels, spaced-apart cross-bars secured to said central hubs, and a 75 flexible band composed of spaced-apart bars and connecting-wires encircling said outer rim and inclosing the bottles in the crate, substantially as set forth.

In testimony whereof I affix my signature in 80 presence of two witnesses.

LUTHER MORRISON NEMON.

Witnesses:

J. S. CARROLL,
SAMUEL FARR.